Ministry of Forests, Mines and Lands
BC Geological Survey

Assessment Report
Title Page and Summary

TYPE OF REPORT [type of survey(s)]: Assessment Report for the Goatfell Property **TOTAL COST:** $210,786.30

AUTHOR(S): Aaron Higgs **SIGNATURE(S):** Aaron Higgs Digitally signed by Aaron Higgs DN: cn=Aaron Higgs, o=TerraLogic Exploration Inc., ou, email=aah@terralogicexploration.com, c=CA Date: 2012.11.29 15:48:20 -07'00'

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): None **YEAR OF WORK:** 2012

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S): 5419099

PROPERTY NAME: Goatfell

CLAIM NAME(S) (on which the work was done): 936618, 936616, 936617, 835429, 835430, 835431, 835432, 835433, 936621, 936622, 936623, 936626, 936627

COMMODITIES SOUGHT: Pb, Zn, Ag, Au

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN: 082FSE107, 082FSE998

MINING DIVISION: Fort Steele Mining Division **NTS/BCGS:** 082F01

LATITUDE: 49 ° 05 '00 " **LONGITUDE:** 116 ° 12 '30 " **(at centre of work)**

OWNER(S):
1) Eage Plains Resources Ltd. 2)

MAILING ADDRESS:
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Cranbrook, BC, V1C 2R7

OPERATOR(S) [who paid for the work]:
1) Purcell Range Exploration Ltd. 2)

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Suite 602, 2224-4th Ave South
Saskatoon, SK, Canada, S7K 5M5

PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):
Middle Proterozoic, Purcell Supergroup, Middle Aldrige Formation, Moyie INtrusins, Creston Formation, Moyie Fault, Spider Fault, Sullivan Tim, Kid Marker, SEDEX, tourmalinite alteration, sphalerite, galena, arsenopyrite

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: 24223, 24393, 14773, 16790, 18633, 19304, 21939, 23866, 23961

Next Page

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
GEOLOGICAL (scale, area)			
Ground, mapping	Yes and prospecting		
Photo interpretation			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for...)			
Soil	3370 samples, 213 analysis by lab, others XRF		
Silt	67, all analysis by XRF		
Rock	18 Assay, 30 Marker/Description		
Other			
DRILLING (total metres; number of holes, size)			
Core			
Non-core			
RELATED TECHNICAL			
Sampling/assaying			
Petrographic			
Mineralographic			
Metallurgic			
PROSPECTING (scale, area)			
PREPARATORY / PHYSICAL			
Line/grid (kilometres)			
Topographic/Photogrammetric (scale, area)			
Legal surveys (scale, area)			
Road, local access (kilometres)/trail			
Trench (metres)			
Underground dev. (metres)			
Other			
		TOTAL COST:	$210,786.30

GEOCHEMICAL AND GEOLOGICAL REPORT

on the

GOATFELL PROPERTY

BC Geological Survey
Assessment Report
33424

Volume I – Report

Fort Steele Mining Division, Southeastern British Columbia

N.T.S. 82F01

Latitude 49°05' N, Longitude 116° 12' W

Prepared for

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November 19, 2012

SUMMARY

The Goatfell property consists of one contiguous claim block of seventeen claims, covering approximately 7680 hectares in a north-south oriented block parallel with the favorable geologic stratigraphy and lying between Highway 3 and the US Border. . The property is owned 100% by Eagle Plains Resources with no underlying royalties or encumbrances. Purcell Range Exploration Ltd. may earn an undivided 60% interest in Eagle Plains' Goatfell Property by completing exploration expenditures of $3,000,000 making cash payments of $250,000 and issuance of 1,000,000 common shares to EPL over a four year period. The property has no underlying royalties or encumbrances.

The claims are well-situated with respect to infrastructure, with a high-pressure gas pipeline, high-voltage hydroelectric line, railway and major highway all located within or near property boundaries.

The property is located approximately 50 kilometers west of Cranbrook, near Yahk B.C. and has good access via a network of logging roads from Highway 3 between Creston and Cranbrook.

The Goatfell occurrence, consisting of scattered zinc-lead mineralization associated with tourmaline and albite alteration, is located along the CPR railway about 1.5km west of Carroll Creek. This occurrence includes an extensive area of tourmalinite float, 2.5 kms to the south of the Goatfell tourmalinite body which contains galena and sphalerite in an intensely brecciated tourmalinized matrix.

The occurrence lies within the Middle Proterozoic Purcell Supergroup, a thick succession of siliciclastic and lesser carbonate rocks. This sedimentary succession contains the Sullivan deposit, one of the world's largest massive sulphide sedimentary-exhalitive lead-zinc deposits which lies approximately 70 kms to the north. Stratigraphically, this deposit is hosted by the Aldridge Formation, at the Lower Aldridge/Middle Aldridge contact.

Four diamond-drill holes in the footwall of the Goatfell tourmalinite in 1988-89 were focused on testing the Sullivan time horizon (the projected Lower-Middle Aldridge contact). Minor tourmalinite and fracture controlled sphalerite and galena was intersected in these holes. No drilling has been conducted in the hanging wall of the Goatfell tourmalinite. In 1995, Inmet Mining Corporation conducted an EM geophysical survey and in 1996, White Knight Resources drilled 6 holes, totaling 2016 meters.

Some of the drill holes intersected tourmalinite and fracture-controlled lead and zinc. Following the 1996 drilling program, geologists on the project recommended additional drilling, though this work was never carried out.

2011 exploration on the Goatfell property consisted of of two airborne geophysical surveys that were flown in conjunction with four other properties in the Purcell Basin. An airborne EM survey (VTEM) was flown by GeoTech Limited, a geophysical contractor based in Aurora, Ontario. An airborne gravity gradiometry (AGG) survey was flown by Fugro Airborne Surveys of Mississauga, Ontario. The 138.1 line km VTEM survey was flown in one day (Oct. 19, 2011) and the 242.3 line km AGG survey was hampered by poor weather, being completed over a 3 day period between October 25th to October 27th, 2011. Total cost of the 2011 exploration program was $103,058.80.

In addition to the sedimentary exhalative target, increased activity in the area was precipitated by the discovery in late 2010 of gold-rich base-metal mineralization on the Iron Range project, associated with a major north-trending fault zone, by partners Eagle Plains and Providence Resources Corp.

The Goatfell property has many features in common with other mineralized zones and deposits in the Sullivan and Creston corridor areas; namely:

- A substantially thickened Middle Aldridge section.
- Presence of a lead-zinc soil geochemical response within the proposed graben at precisely the same stratigraphic level below the same "Moyie stratigraphic marker" that is associated with SEDEX mineralization at the Kid-Star property.
- Presence of substantial areas of tourmalinite alteration in "pipes" that cross-cut the favorable stratigraphy.
- The presence of typical slump and channel features representing thickening and disruption of strata adjacent to a graben or half-graben fault which may control deposition in a "third-order" sub-basin.
- Presence of a mineralized tourmalinite chaotic breccia of the type known previously at the Sullivan deposit.
- Presence of a large area of "footwall" style quartz-chlorite-sericite-pyrite alteration and quartz veins and stockworks containing galena and sphalerite.

The geological evidence from exploration programs on the Goatfell property is permissive for SEDEX deposits within the Middle Aldridge or Lower Aldridge units. The drilling of four exploration holes by Chevron Minerals Ltd. and partners and eight additional drill holes later has not disproven the original theory that SEDEX mineralization could occur at the Sullivan Time Horizon within the property, as this unit has not yet been intersected in the drilling.

A mineralizing event has been documented in the Middle Aldridge Formation on the adjacent Kid-Star property, where a SEDEX Pb-Zn-Ag deposit has been discovered. Strong geologic evidence suggests that this unit may be a more favorable and economically-attractive host. Recent work points to the onset of tectonic instability in the Goatfell area in the Creston structural corridor, occurring at "Kid" time, considerably later than the Sullivan time, and 917 m above the level of the Sullivan deposit in the Sullivan Corridor.

The 2012 exploration program on the Goatfell property consisted of a very large geochemical survey covering nearly the entire property along with geological mapping and prospecting. The focus of the geochemical sampling was to identify an anomalous horizon within the Middle Aldridge sediments that could be an indication of basinal sulphide mineralization. These horizons could then be followed up to vector towards potential SEDEX mineralization.

The goal of the geological mapping and prospecting was to identify and catalogue stratigraphic markers on the property and prospect for lead/zinc mineralization and other SEDEX indicators such as tourmalinite mineralization and/or albite alteration.

The program resulted in the collection of 3370 soil samples, 67 silts samples and 48 rock samples, 30 of which were either marker samples or for description and 18 sent away for laboratory analysis. All silt and soil samples were hung to dry on site, homogenized, prepared using a -80 mesh sieve and analyzed using a bench top Niton Xl3t XRF Analyzer. A collection of soil samples were sent to the laboratory to provide due diligence on our sampling methods and results.

Geological mapping was successful in cataloging and locating a number of geologic markers on the Goatfell property. A new marker that could not be matched to current standards was also located at sample AHGFR003 but it is known that it lies stratigraphically below the Moyie marker from previous mapping.

Geochemical sampling was successful identifying a number soil geochemical anomalies described in the 2012 Program Results section in the report. The most prominent of these anomalies is a large scale multi element anomaly of lead, zinc, copper, arsenic and iron in the northwestern portion of the grid. This anomaly and others warrant follow up work to determine if the source is linked to SEDEX style mineralization.

Although the 2012 exploration program did not return highly encouraging results, the Goatfell property remains well positioned to host SEDEX mineralization, with a large sequence of Middle Aldridge sediments, regional and local scale faulting and the presence of tourmalinite vents. The property also boasts excellent infrastructure, with a major highway and railway line running through the property, along with logging roads, which provide access to most of the property.

Total expenditures for the 2012 program came to $210,786.30.

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INTRODUCTION

Location And Access

The Goatfell property is located approximately 50 km southwest of Cranbrook, and 10 kilometers north-west of the town of Yahk (Figure 1). Access is via the Crowsnest Highway (Highway 3), which crosses the north part of the property, and a number of forestry and private roads. Road conditions generally allow access to the property by 2-wheel drive vehicle during the summer field season. The highway corridor also includes two natural gas pipelines and the CP railway branch line between Creston and Cranbrook.

Cranbrook is a major population center which provides supplies and services; the town is serviced by several daily air flights from Vancouver and Calgary.

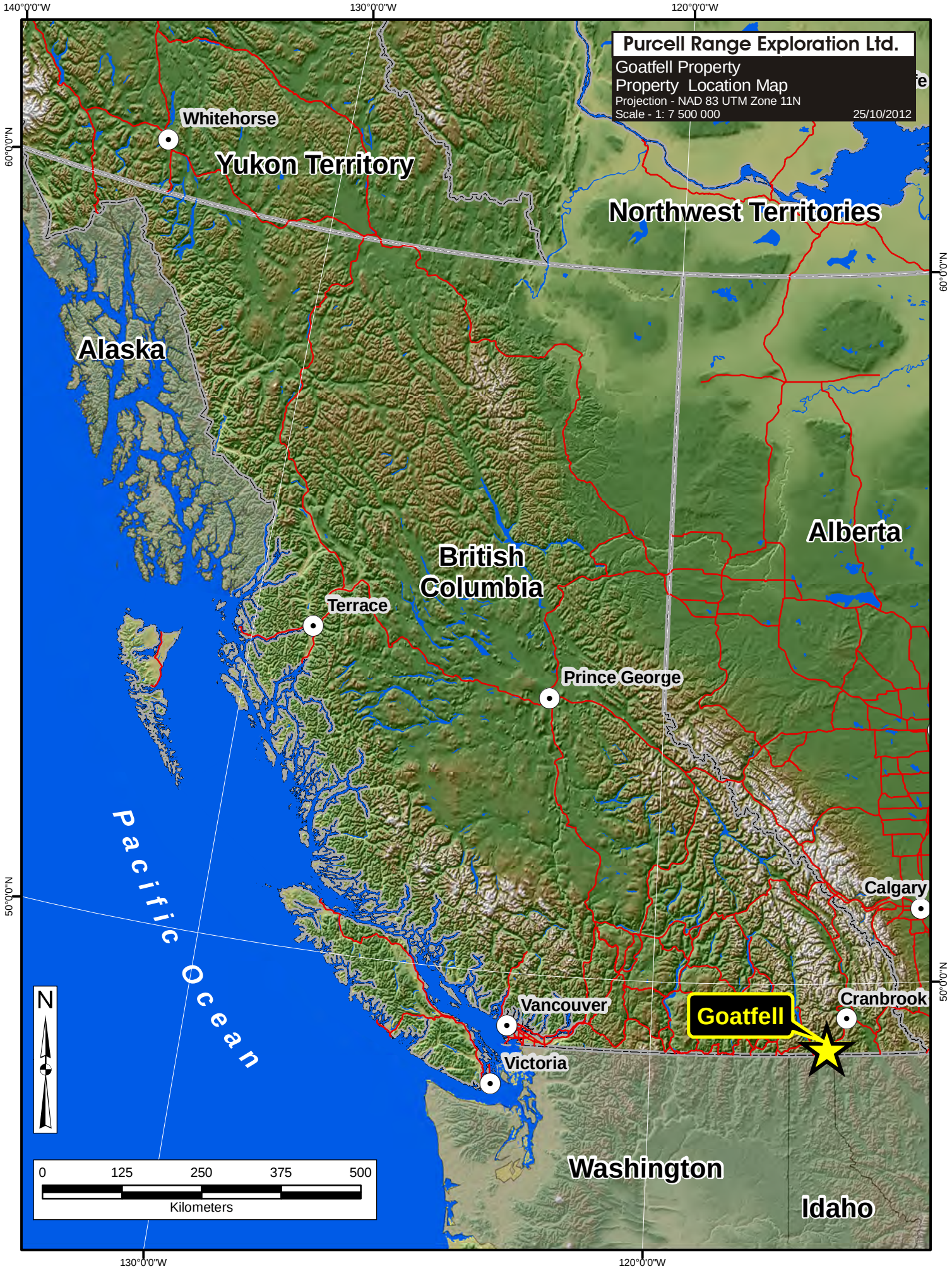
Property Tenure

The Goatfell property includes 17 claims covering approximately 7680 hectares. The claims have not been surveyed but claims can be located by reference to GPS coordinates measured in the field. There are no mining assets but there are two Minfile showings, Goatfell and Sha South, found on the property. There is adequate land for exploration and development purposes. There are no known environmental issues. Permits must be arranged with the local Mines Inspection personnel in Cranbrook before any program except surface mapping or sampling can proceed. The area lies within the native land claim of the Creston First Nations, part of the K'tunaxa Kinbasket group. Mineral titles are listed below in Table 1 and shown in accompanying Figure 2.

Eagle Plains Resources Ltd. optioned the property to Purcell Range Exploration Ltd., a subsidiary of 49 North Resources Inc. (FNR:TSXV), on September 19th, 2011 whereby Purcell Range Exploration Ltd. may earn an undivided 60% interest in Eagle Plains' Goatfell property. Under the terms of the agreement, Purcell will complete exploration expenditures of $3,000,000 make cash payments of $250,000 and issue 1,000,000 common shares to EPL over a four year period. The property has no underlying royalties or encumbrances.

Table 1 – List of Tenure

Tenure Number	Owner	NTS	Issue Date (MM/DD/YYYY)	Good To Date (MM/DD/YYYY)	Area (Ha)
835429	EPL (100%)	082F	10/8/2010	11/16/2014	507.36
835430	EPL (100%)	082F	10/8/2010	11/16/2014	507.49
835431	EPL (100%)	082F	10/8/2010	11/16/2014	507.62
835432	EPL (100%)	082F	10/8/2010	11/16/2014	507.74
835433	EPL (100%)	082F	10/8/2010	11/16/2014	338.57
936616	EPL (100%)	082F	12/7/2011	12/7/2012	528.42
936617	EPL (100%)	082F	12/7/2011	12/7/2012	422.9
936618	EPL (100%)	082F	12/7/2011	12/7/2012	507.2
936619	EPL (100%)	082F	12/7/2011	12/7/2012	507.29
936620	EPL (100%)	082F	12/7/2011	12/7/2012	465.39
936621	EPL (100%)	082F	12/7/2011	12/7/2012	507.96
936622	EPL (100%)	082F	12/7/2011	12/7/2012	508.11
936623	EPL (100%)	082F	12/7/2011	12/7/2012	169.37
936624	EPL (100%)	082F	12/7/2011	12/7/2012	508.25
936625	EPL (100%)	082F	12/7/2011	12/7/2012	508.38
936626	EPL (100%)	082F	12/7/2011	12/7/2012	508.5
936627	EPL (100%)	082F	12/7/2011	12/7/2012	169.53
				Total Area (ha)	7680.08


Purcell Range Exploration Ltd.
Goatfell Property
Property Location Map
Projection - NAD 83 UTM Zone 11N
Scale - 1: 7 500 000
25/10/2012
140°0'0"W
130°0'0"W
120°0'0"W
60°0'0"N
50°0'0"N
Whitehorse
Yukon Territory
Northwest Territories
Alaska
British Columbia
Alberta
Terrace
Prince George
Calgary
Vancouver
Goatfell
Cranbrook
Victoria
Pacific Ocean
Washington
Idaho
N
0
125
250
375
500
Kilometers

Purcell Range Exploration Ltd.

Goatfell Property

Figure 2 - Tenure Location Map

Projection - NAD 83 UTM Zone 11N

Scale - 1: 50 000 25/10/2012

554000

563000

5440000

5430000

936618

936616

936619

835429

936617

835430

835431

936620

835432

835433

936621

936622

936623

936624

936625

936626

936627

0 1,000 2,000 3,000 4,000

Meters

United States

Legend

- Goatfell Tenure
- Transmission Line
- Railway
- Contour
- Roads
- Stream
- USA
- Lake

Property History

Mining history in the Cranbrook area began with discovery of rich placer gold gravels on Wildhorse Creek, (1863), Moyie River, (1874) and Perry Creek, (1874). Hard rock exploration followed, with the discovery of the Sullivan polymetallic massive sulphide deposit in 1892 and the silver-lead-zinc rich St.Eugene vein deposit in 1893. Although the Sullivan deposit was not recognized as a world-class deposit for many years, and the mineralization of fine-grained base-metal sulphides initially proved troublesome to separate, the St.Eugene vein paid for all its development in the first year of production. The Sullivan mine, now shown to be a sedimentary exhalative ("SEDEX") deposit, and the St.Eugene mine led to the development of smelting facilities at Trail, B.C., which in turn, encouraged the exploration and development of many smaller mineral deposits in the area, and has provided a genetic and exploration model for these deposits and showings. The property was staked in 1984 by Gordon Leask, P.Eng., of White Knight Resources Ltd. to cover a tourmalinite altered zone in a geological setting similar to the Sullivan Mine. This occurrence had been recognized in 1977 by Ethier and Campbell. During 1985 prospecting and limited geological mapping was done (Leask, G., 1985). Exploration work specific to the Goatfell property is outlined below:

1986 Geological mapping was done which defined alteration areas and north trending faults, and suggested an east-west-trending "Graben" feature straddling the claim boundary between Goat 1 and Goat 2 claims.

1987 An option was taken on the property by Chevron Minerals Ltd. Chevron could acquire 65% interest in the property for $1.5 million exploration expenditures and $1.5 million in property option payments. An additional 35% interest could be purchased for $1.5 million, and the vendors would retain a 3% Net Smelter Return. Almost immediately, 50 per cent interest in the venture was farmed out by Chevron to Formosa Resources Corporation, who had participated in deep drilling projects elsewhere in the Purcell Basin "Sullivan" exploration play. Chevron were operators of the Joint Venture. A Transient EM-37 and ground magnetic survey was completed by Orequest/Quantec for the Joint Venture. In addition a rock geochemical program over the Aldridge rocks was done by Rob Edmunds, PhD..

1988 A major exploration program was initiated by Chevron for the Joint Venture. Three lines of magnetometer and VLF EM readings were taken to locate the Spider Fault. Geological mapping was done by Murray Hitzman, Ph.D, (Chevron) over 7 square kilometers. An 844 m diamond drilling program completed 2 holes of 391 and 453 meters to test the "Sullivan-time" horizon. Both holes intersected the Spider Creek fault zone and did not reach the target.

1989 Chevron completed a soil sampling grid of 53.5 line kilometers over the Goat and Sky properties, with 1,008 soils were tested for 9 elements by ICP and 57 rock samples were tested for 32 elements by ICP. About 2 km of road was built to 2 drill-sites. Drill-holes G-3 of 663.6 meters and hole G-4 of 498 meters, with a total of 1,161.6 meters were drilled using HQ and NQ sized core. Petrographic work was done on 20 thin-sections from both properties.

1990 Chevron Minerals Ltd. made a decision to close its Canadian exploration offices, and the property was returned to the Leask syndicates free of any encumbrances. The adjacent Kid-Star

property was drilled by Barkhor Resources and partners, resulting in the discovery of sedimentary-exhalative mineralization in the Middle Aldridge at what is now called "Kid" (stratigraphic) time.

1991 Additional geological work was done by Leask and associates; this included prospecting, soil geochemistry, and preparation of geological maps. The geochemical survey defined a significant lead-zinc response within a graben at a stratigraphic position comparable to the Kid property.

1992 Goldpac Investments Ltd. optioned the property, but relinquished the option in 1993

1995, Inmet Mining Corporation conducted an Crone Pulse EM geophysical survey totaling approximately 38.2 line kms. The survey failed to locate any significant conductors.

1995 White Knight Resources drilled 6 diamond drill holes, totaling 2016 m that targeted the favorable Kid-Star stratigraphy of the Middle Aldridge Formation. The drill holes intersected minor hydrothermal alteration.

2010 Eagle Plains Resources re-staked lapsed claims.

2011 Eagle Plains Resources completed two airborne geophysical surveys that were flown in conjunction with four other properties in the Purcell Basin. An airborne EM survey (VTEM) was flown by GeoTech Limited, a geophysical contractor based in Aurora, Ontario. An airborne gravity gradiometry (AGG) survey was flown by Fugro Airborne Surveys of Mississauga, Ontario. The 138.1 line km VTEM survey was flown in one day (Oct. 19, 2011) and the 242.3 line km AGG survey was hampered by poor weather, thus was completed over a 3 day period between October 25th to October 27th, 2011. Total cost of the 2011 exploration program was $103,058.80.

The VTEM survey was only able to identify one North-South trending magnetic lineament in the centre of the property. This could be spatially associated with the major North-South striking Spider Fault, found just to the west of the lineament. The gravity results were not as clear. The data was quite coarse, but a gravity high anomaly was found in the south-western portion of the property along with an smaller isolated one in correlation with the north-south trending VTEM anomaly in the centre of the property.

Table 2 – Historic Exploration Expenditures

Year	Operator	Program Cost
1984	Leask syndicates (estimate)	$10,000.00
1985	Leask syndicates	$15,506.47
1987	Chevron/Formosa (estimate)	$50,000.00
1988	Chevron/Formosa	$145,052.00
1989	Chevron/Formosa	$155,043.47
1991	Leask	$7,548.00
1995	Leask / Inmet	$226,606.00
2011	Eagle Plains Resources	$103,058.80
	Total*	**$712,814.74**

* NOTE: These are applied assessment expenditures only, and do not include administration costs, office overhead, or property payments.

GEOLOGY

Regional Geology

The property is situated in the Moyie Range of the Purcell Mountains, west of the Rocky Mountain Trench, and on the west flank of the Purcell Anticlinorium. In the Cranbrook area, the Purcell and Rocky Mountain Belt was thrust eastward during Mesozoic and Tertiary times. Major north to northeast-trending faults bound what appears to have been a Proterozoic depositional graben in an extensive clastic basin extending southward into Idaho and Montana in which the Belt-Purcell Supergroup was deposited. Reactivated (growth) faults may have had an influence on deposition of the numerous stratiform massive sulphide deposits, such as the world class Sullivan deposit and smaller North Star, Stemwinder and Kootenay King deposits in the Cranbrook-Fort Steele area. Later northeast-trending faults, such as the Cranbrook and Kimberley faults, may have been transform faults which offset "spreading centres"; these being the focus of major sedimentary exhalative deposits which are preceded by igneous activity and accompanied by areas of tourmaline and albite alteration.

Stratigraphy

Rocks in the area belong mainly to the Purcell Supergroup of Middle Proterozoic age, although Paleozoic Cambrian to Middle Devonian sedimentary rocks occur farther to the north and to the east. The stratigraphy of the Aldridge Formation is briefly summarized below.

The Aldridge Formation is a thick unit (3,500-4,500 meters) of quartzites, siltstones and argillites with graded bedding, rip-up clasts, sole marks, and other characteristics of "turbidite" deposition. The Formation is divided into Lower, Middle and Upper divisions. The lower division has a gradational contact with the Fort Steele Formation below, and consists of dark grey to black argillites, siltstones and quartzites (greywackes). The Middle Aldridge, comprises thick grey quartz-wacke units interbedded with laminated siltstone, and intruded by a number of thick, laterally continuous meta-gabbro sills (greenstone). Repetitive laminations in carbon bearing monolithologic sequences can be correlated for up to 300 km along strike, and are important "marker horizons". The Upper Aldridge includes 300-400 meters of rusty weathering grey argillite and laminated siltstone, and in some places two thick shallow-water dolomite horizons.

The Creston Formation, overlying the Upper Aldridge Formation, is a thick unit (1500 meters) of green, purple, and white quartzite, siltstone and argillite of intertidal to sub-aerial depositional origin, characterized by mud-cracks, ripple marks, rip-up clasts, load casts and scour and fill structures. Contact with the overlying carbonate unit is gradational.

Intrusive Activity

Several large sills of Purcell age are present in the region (Figure 3), but only the largest ones are shown on the accompanying geological map. These are common in the Aldridge Formations, (but may also be present in stratigraphically higher Proterozoic strata). The "Moyie Sills", predominantly gabbro in composition, have ages identical to the enclosing Aldridge strata (1433 Ma). Hoy (1983) suggests they were emplaced into un-compacted water-saturated sediments. Sulphide accumulations and veins are common adjacent to sill or dyke margins, and the Moyie intrusions are suggested to be part of a

thermal/hydrothermal and mineralizing event accompanying rifting in a graben controlled deep clastic basin or graben. A number of sill complexes are present, and rare lamprophyric (minette?) dykes of Cretaceous or Tertiary age also occur.

Other intrusive rocks have been mapped in the area; the nearest large intrusions are the Bayonne batholith, situated 25 kilometers northwest of Goatfell and a quartz monzonitic stock at Kiakho Creek, 30 kilometers northeast of the Goatfell property. Similar stocks also occur across the border in Idaho, about 10 kilometers to the south. Many of the Mesozoic intrusions are associated with mineral deposits or at least have a spatial relationship with mineral prospects.

Metamorphism

Greenschist facies regional (static) metamorphism has affected the Aldridge Formation but only weak foliation or recrystallization has resulted. Locally more intense thermal metamorphism has resulted in new biotite hornfelsing, particularly close to some of the Moyie Intrusions.

Structure

The property straddles a major fault, the Moyie fault, which is a steeply-dipping thrust fault with a southwest lateral component of movement about 10-15 kilometers. East of the fault, structure is a simple broad anticline. West of the fault, a number of north-trending reverse thrust faults interrupt a synclinal structure between the Creston valley anticline and the Purcell anticline (Hitzman, 1988). Many of the sills and/or dykes have accompanying shear zones.

Regional geology is shown by the accompanying map, Figure 3a.

Purcell Range Exploration Ltd.

Goatfell Property

Figure 3a - Regional Geology Map

Projection - NAD 83 UTM Zone 11N

Scale - 1: 150 000

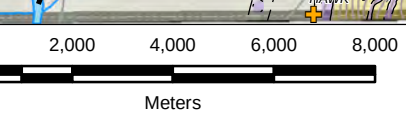
14/11/2012

540000 550000 560000 570000

5480000 5470000 5460000 5450000 5440000 5430000

COPPER KING (L.3835) STORM KING (L.3625) MALLANDAINE PASS ME LAVOLA CREEK MARK RACKI HOMESTAKE COLUMBIA RUNNING WOLF SHAKESPEARE MCINTOSH (ANNIE) PETRA YELLOW METAL BUCK PROSPECTOR'S DREAM (L.9772A) WELLINGTON PRINCESS (L.14285) GOLD RUN REAL THING (SURE THING) WEAVER CREEK WEAVER MOYIE RIVER CARIBOO LEW VENT DAVID MCNEIL BROOK COOPER ICE ROYAL CROWN HALL MB BEAR IRISHMAN LAMB GOLDEN CAP (L.5544) UNION JACK (L.5765) AMERICAN FLAG (L.5767) O-RAY (L.5768) MAPLE LEAF (L.5772) KEEPSAKE (L.5774) RHODESIA (L.5775) LA GRANDE (L.5776) CRACKER JACK (L.5778) BLUE RAIN LEADVILLE STAR (WEST) STAR KID 3 DAKOTA (L.5783) IDAHO (L.5784) PACIFIC (L.5786) TIGAR 1 SHA NORTH EMPIRE STATE AGNES (L.5790) NIAGARA CONSTELLATION (L.9699) ROW VIRGINIA (L.7055) SARAH MAY-BEE CRESTON SENASAEL SUN CRESTON HILL KITCHENER-SULLIVAN CRESTON CLAY ALICE (L.4104) GOAT MOUNTAIN OTTO SILVER LUCKY GREAT WAR KING HAWK AUREA BLACKMORE SHA SHA SOUTH OPTION GOATFELL

Mp-Am Mp-C Mp-Kl Mp-DC Mp-Cl Qt-al Mp-K Cm-E Cm-C Cm-C LCt-BMS Mp-Cm Mp-Au Mp-Cm Mp-M Mp-Alr



UNITED STATES

Refer to Figure 3b for geology Legend.
*Geology After Brown 2011.

Legend

- Mineral Occurrence
- Marker
- Tourmalinite
- Albite Alterations
- Fragmentals
- Hematite Alteration
- Goatfell Property
- Stream
- Contour
- USA

Goatfell Geology Legend

Quaternary

Qt-al — *Unconsolidated sediments: alluvium; colluvium; diamictite*

Tertiary

Ct-dia — *Diatreme: Lamprophyre sills and dykes in the Middle Aldridge Formation; brown weathering, carbonatized, large megacrysts and xenocrysts of phlogopite, amphibole, and pyroxene in a fine-grained, dark chloritic matrix; 10-80 percent by volume xenocrysts; sedimentary, lower crustal, and mantle xenocysts; possibly Cretaceous in age*

Lower Cretaceous

LCt-Rgn — *RYKERT BATHOLITH: Medium-grained, light-grey, biotite granite, monzogranite, and granodiorite; includes Shorty Peak pluton and gneissic rocks; zircon U-Pb date of 99 ± 3 Ma (Brown et al., 1995). Note: previously referred to as Kanisku batholith (Archibald et al., 1984) and Selkirk Crest complex (Reesor, 1993)*

LCt-BMS — *MOUNT SKELLY PLUTON: hornblende-biotite granite ; pale grey to white, massive, medium-grained, and potassium-feldspar megacrystic; local magmatic layering occurs.*

Early Cretaceous

ECt-WC — *WEST CRESTON GNEISS: Similar to Corn Creek gneiss; zircon U-Pb date of ~136 Ma (Brown et al., 1995)*

Ec-bx — *Chloritic microbreccia; cataclasite; mylonitic granitic rocks; pale green, chloritesericite-clay altered leucocratic granitoids*

Cretaceous

Ct-mu — *CORN CREEK AND WEST CRESTON GNEISS: " Mixed unit" (lit-par-lit gneiss): Meta-wacke and semi-pelite (Middle Aldridge Formation) intruded by mylonitic granite and pegmatite sills*

Cambrian

Cm-E — *EAGER FORMATION: Grey argillite, silty argillite, siltstone; buff weathering, silty limestone; rare bioclastic beds.*

Cm-C — *CRANBROOK FORMATION: Quartzite, limestone, calcite marble, dolomite marble, calc-silicate.*

Middle Proterozoic

Mp-MN — *MOUNT NELSON FORMATION: Undivided sedimentary rocks*

Mp-MNa — *MOUNT NELSON FORMATION: Thin-bedded to laminated argillite, phyllitic argillite, and siltstone; brown phyllite with quartz pebbles and granules; mauve to purple wacke and phyllitic siltstone; pale green sericitic phyllite; intercalated quartz gritstone of unit m MNq*

Mp-MNc — *MOUNT NELSON FORMATION: Calc-silicate*

Mp-MNdl — *MOUNT NELSON FORMATION: Lower dolomite: buff dolomite and minor grey limestone; thin-bedded to laminated*

Mp-MNdu — *MOUNT NELSON FORMATION: Upper dolomite: buff to grey dolomite, dolomite with quartz lenses and pods; minor blue-white, coarse to medium-grained quartzite and quartz gritstone layers up to 2 m thick*

Mp-MNp — *MOUNT NELSON FORMATION: Phyllitic argillite and siltstone with flattened siliceous quartz veins (or clasts?)*

Mp-MNq — *MOUNT NELSON FORMATION: Medium to thin-bedded d quartzite, white, grey, and green, blue quartz granules, rare white potassium-feldspar fragments; argillite; argillaceous siltstone; medium-bedded, wavy, lenticular bedding (possible equivalent to the Buffalo Hump Formation, Deer Trail Group, Washington; cf. Miller and Whipple, 1989)*

Mp-DC — *DUTCH CREEK FORMATION: Sedimentary rocks; green siltstone, argillite, stromatolitic dolomite, quartz wacke.*

Mp-DCa — *DUTCH CREEK FORMATION: Calcareous phyllite; laminated to microlaminated argillite; phyllitic siltstone; sericite schist; lenticular sandstone beds.*

Mp-DCd — *DUTCH CREEK FORMATION: Dolomite; dolomitic phyllite; clean dolomite with stromatolites; minor quartzite; mauve phyllite, argillite, and siltstone; dolomite breccia layers at the Leg Property*

Mp-DCs — *DUTCH CREEK FORMATION: Pale green chlorite-sericite phyllite with distinctive but minor mauve quartz arenite beds up to 2 m thick.*

Mp-V — *Unnamed Volcanic Unit: Basalt to andesite flows (and sills?); dull to olive-green volcanic wacke siltstone; thin to medium-bedded*

Mp-K — *KITCHENER FORMATION: Undivided meta-sedimentary rocks: thin-bedded, brown-weathering dolomitic silt stone and green argillite.*

Mp-Ka — *KITCHENER FORMATION: Graphitic phyllite; pyritic and rusty brown weathering*

Mp-Kd — *KITCHENER FORMATION: Dolomitic siltstone; dolomitic argillite; dolomite, commonly buff-weathering; argillite; siltstone; quartzite; green-tinged dolomitic siltstone near the base*

Mp-Kl — *KITCHENER FORMATION: LOWER: green and beige siltstone, dark grey argillite; dolomitic siltstone.*

Mp-Kla — *KITCHENER FORMATION: LOWER: green and beige siltstone, dark grey argillite; dolomitic siltstone. Grey carbonate member.*

Mp-Cu — *CRESTON FORMATION: UPPER: green siltstone; black or purple argillite and siltstone.*

Mp-Cm — *CRESTON FORMATION: MIDDLE: light grey, mauve , or purple, thin to medium-bedded quartz arenite; quartz wacke; lesser grey siltstone and argillite; white quartzite interbeds; lenticular bedding, ripples, cross-bedding, and mudcracks occur locally.*

Mp-Cl — *CRESTON FORMATION: LOWER: waxy-green to olive, tan-weathering, thin to thick-bedded to laminated argillite and siltstone; lesser fine-grained quartz wacke ; wavy bedding and abundant mudcracks common.*

Mp-C — *CRESTON FORMATION: Undivided meta-sedimentary rocks: light grey, mauve, or green siltstone and argillite ;thin to medium-bedded quartz arenite, quartz wacke ;lenticular bedding, ripples,cross-bedding, and mudcracks*

Mp-Au — *ALDRIDGE FORMATION: UPPER: rusty brown weathering, grey to dark grey, fissile to platy, laminated silty argillite and siltite.*

Mp-Am — *ALDRIDGE FORMATION: MIDDLE grey to rusty weathering, thick- to thin-bedded, quartzofeldspathic wacke, intercalated argillite and siltite,*

Mp-Alr — *ALDRIDGE FORMATION: "Ramparts Facies" member: light grey weathering, medium to thick-bedded, medium to fine-grained quartzite, quartz arenite and quartz wacke; locallenticular bedding and cross-bedding; rare rusty-brown quartz wacke layers towards base of the exposed section.*

Mp-Afr — *ALDRIDGE FORMATION: Fragmental rocks interpreted as sedimentary debris flows, breccias formed in dewatering pathways, mud volcano debris, and hydrothermal breccias: stratiform and discordant matrix- and framework-supported fragmental rocks consisting of angular to rounded quartzite clasts having a size range of <2mm to >2m.*

Mp-M — *MOYIE INTRUSTIONS: "Moyie sills": dark-green to black, medium to fine-grained gabbro and hornblende quartz diorite sills and dikes; several to hundreds of metres thick.*

Mp-Al — *ALDRIDGE FORMATION: LOWER: rusty brown weathering, thin- to medium-bedded, quartz wacke, quartz arenite.*

GeologicContacts

- Amphibolite
- Contact Approx
- Granitic
- Contact Assumed;
- Contact Compiler
- Contact Defined
- Contact Quaternary
- Contact Subdivided
- Fault Approximate
- Iron Range fault - IRFZ
- Fault Assumed
- Fault Defined
- Fault Normal Approximate
- Fault Normal Assumed
- Fault Normal Defined
- Fault_Reverse App; Fault Thrust_Approximate
- Fault_Reverse Assumed; Fault Thrust Ass
- Fault Thrust Defined

Folds

- Anticline Approximate
- Anticline_Approximate
- Anticline defined
- Anticline defined; Syncline defined
- Anticline overturned
- Anticline overturned
- Syncline approx
- Syncline approx
- Syncline defined
- Syncline overturned
- Syncline overturned

Figure 3B - Geology After D. Brown 2011

Property Geology

Geology of the Goatfell property (Figure 4) has been detailed by Hitzman, (1989) and Rebic (1989) for Chevron Minerals Ltd. Much of the following discussion has been condensed and paraphrased from their reports:

The Goatfell property is underlain by Proterozoic rocks of the Middle Aldridge and Creston Formations, comprised of a turbiditic succession of quartzites, siltites and argillites and intruded by gabbroic to dioritic Moyie sills and dykes. Also intruding this succession are one or more small Cretaceous to Early Tertiary aged lamprophyric dykes.

Stratigraphy

The property is underlain by meta-sedimentary rocks of Middle Proterozoic Lower and Middle Aldridge Formations, cut by a number of sills and/or dykes of basic composition (the Moyie Intrusions) and at least one lamprophyric dyke described as a "Minette".

The Lower Aldridge unit has not been mapped in outcrop on the property but was mapped on the adjacent Sky claim by Chevron. The lower Aldridge Formation includes thinly-bedded, rusty-weathering argillite, metasiltstone, metawacke and quartzite. The unit is difficult to distinguish from the lithologically similar Middle Aldridge Formation; elsewhere, the Middle Aldridge contact is defined where grey quartzite beds begin to predominate in the sequence, but on the Goatfell property, this differentiation is not possible, and the contact is estimated based on stratigraphic distances from the stratigraphic Middle Aldridge markers mapped on the Barb claim to the north and the Goat 3 claim to the south.

The Middle Aldridge Unit, underlying practically all of the property, includes thick meta-sedimentary turbidite beds of grey quartzite, greywacke, siltstone and argillite. The quartzites and wackes are most common, with beds from 0.25 to 4 meters thick. The stratigraphic markers are rhythmically laminated light and dark laminae that can be matched lamina for lamina over distances up to 300 kilometers in the basin. On Hazel Ridge on the Barb claim, the "Sundown" and "Moyie" markers were identified in outcrop and the "Park" marker was tentatively identified. Several un-identified markers were seen in drill-core. A listing of the markers and distances above the Sullivan Time Horizon is given below:

Table 3 – Purcell Basin Stratigraphic Markers

(After Brown et. al., 2011 GSC OF6153)

Marker Name	**Distance to Sullivan Time (LMC)**
Sundown	988m (Identified on property)
Kid	917m (Identified on Property)
Moyie	860m (Identified on property)
Park	677m (Tentative)
Lamb / Beehive	605m (Identified on property)
Hiawatha	475m (Identified on property)
Lois Creek	305m
Fringe	185m

Without these stratigraphic markers, it is impossible to ascertain the stratigraphic position of any feature. Considerable additional study of markers horizons in the area will be necessary to better define the Aldridge stratigraphy.

From the outcrop mapping and examination of the drill-core, it is evident that the Middle Aldridge Formation on the Goatfell claims has undergone a substantial thickening. This is regarded as evidence of the development of a "third order" sub-basin or graben-margin basin within which sedimentary exhalative mineralization might have accumulated. Near the northern tourmalinite, thick channeled sedimentary units occur at "Kid Time" near the Moyie marker. The suspected position of the mineralization adjacent to the Moyie marker is derived from the SEDEX mineralization at this stratigraphic position on the Kid-Star property to the north, the lead-zinc-bearing chaotic tourmalinite breccia in the proposed footwall, and the anomalously thick sedimentary prism located in this area above the Moyie marker, all of which suggest tectonic instability was initiated in this area slightly later than the Sullivan time.

Intrusive Rocks

Moyie sills are numerous in the claim area; these rocks vary from meta-gabbro to meta-diorite and are dark green fine to coarsely-crystalline. Most of the sills contain 40-60% hornblende, 15-40% plagioclase, 10-20% quartz, and accessory biotite, garnet, magnetite, apatite, sphene, rutile, leucoxene, carbonate, and epidote or clinozoisite. The sills are irregular in thickness and distribution and are up to 100 meters in thickness. They may contain pyrite, pyrhhotite and chalcopyrite, and occasionally galena

and sphalerite. In some cases, dykes may be present, and may give rise to dyke-sill intrusive complexes. These may be important spatially in the localization of mineralization. At the Sullivan deposit (see Appendix III) a broad intrusive arch has granophyric components that appear to be genetically related to some of the mineralization.

A meter-thick lamprophyre sill and a 30 cm wide dyke are present adjacent to the railway. Similar dykes noted by Rice (1941) at the Sullivan Mine were believed by him to be Tertiary in age.

Structure

According to Hitzman (1989) the property may be divided into three structural blocks:

1. An eastern block, east of the Moyie Fault; in this block sediments strike nearly north-south and dip moderately (40-45 degrees) to the west.

2. A central block, between the Moyie thrust Fault and the Spider Creek back-fault, in which sediments strike north south and dip 45-60 degrees (average 55 degrees) eastward.

3. A western block, west of the Spider Creek Fault, in which uppermost Middle Aldridge sediments strike North-northwest and dip 60-80 degrees east.

Movement on the Moyie Thrust is thought to be 12-15 kilometers of southeasterly-directed displacement. Offset on the Spider Creek fault is suggested to be 3,000 meters (right lateral) based on offset of marker beds within the Middle Aldridge Formation. The Spider Creek fault is up to 50 meters wide. The above-noted generalized structural interpretation is complicated by additional suspected north-trending faults east of the Spider Fault, and suspected east-west cross-faults, many of which are based on air-photo linears and thick channel-fill beds. One or more west-trending shears or faults were seen in the railway exposures near Carroll Creek. Minor folding of small magnitude was seen at the Sky tourmaline-sulphide zone and in drill core; this may be related to local slumps and fault structure.

Alteration and Mineralization

Two distinctive styles of alteration are present on the Goatfell Property: tourmaline alteration and quartz-chlorite-pyrite. Tourmaline is present in several areas on the claim block:

1. An oval-shaped area about 500 meters x 300 meters on the railway about 300 meters west of the Goat 1/Goat 2 Legal corner-post (north-central part of property). At this locality, alteration varies from moderately disseminated tourmaline needles to hard black cherty-looking rock which is essentially 100 percent fine, felted tourmaline with patches and fragments of sphalerite and galena.

2. A large area of tourmalinite float along the Spider Creek fault (Goatfell showing; Figure 4) and extending southward. This occurrence was not mapped in detail, but consists of a tourmalinite rock with chaotic fragments of quartz-chlorite-pyrite rock and of sphalerite and galena.

The tourmaline alteration is regarded as "early" boron metasomatism and is spatially associated with graben margins at many places in the Purcell basin, or as footwall-hosted vents or feeder-pipes at the Sullivan deposit.

Quartz-chlorite-pyrite alteration is noted as a bleached appearance in the Aldridge metasediments, particularly in the vicinity of the C.P. railway loop. The alteration extends about 1.2 kilometers southward along the Spider Creek fault, but narrows toward the eastern tourmalinite zone on the railway. Drillholes 1 and 2, from the 1988 program exhibit this alteration type along almost their entire length. The alteration is associated with hair-line greenish veins with calcite centers that cut the bedding at high angles. The green coloration is caused by sericite, chlorite and carbonate. Thin-section examination indicated that the pervasive bleaching associated with this alteration is caused by removal of biotite and some opaque minerals, re-crystallization of quartz and fine-grained mica, and addition of carbonate minerals. (Hitzman, 1989). This alteration cuts the contact metamorphic biotite.

The quartz-chlorite (sericite)-pyrite alteration is regarded as a later hydrothermal event, perhaps as "footwall" alteration associated with a feeder zone for sedimentary-exhalative mineralization. Mineralization on the property is, as yet, limited to numerous quartz veins seen in core, containing galena, sphalerite, pyrite, and chalcopyrite, with minor tetrahedrite or arsenopyrite, and elevated gold values, and significantly, as sulphide fragments in the tourmalinite pipe on the western part of the property.

Property Mineralization

Goatfell Occurrence

As described in Minfile: "The Goatfell occurrence is located along the CPR railway about 1.5 kilometres west of Carroll Creek. This occurrence includes an extensive area of tourmalinite float, 2.5 kilometres to the south of the Goatfell tourmalinite body. The float contains galena and sphalerite in an intensely brecciated tourmalinized matrix.

The occurrence lies within the Middle Proterozoic Purcell Supergroup, a thick succession of siliciclastic and lesser carbonate rocks. This sedimentary succession contains the Sullivan deposit (082FNE052), one of the world's largest massive sulphide sedimentary-exhalative lead-zinc deposits which lies approximately 70 kilometres to the north. Stratigraphically, this deposit is hosted by the Aldridge Formation, at the Lower Aldridge/Middle Aldridge contact.

The Goatfell occurrence is related to a body of tourmalinite (the Goatfell tourmalinite) that crosscuts Middle Aldridge sediments in the structural panel between the Spider and Moyie faults. The tourmalinization of the sediments varies, reflecting original lithologies, and is semi-concordant. The sediments are quartz wackes, quartzites and argillites.

The tourmalinite alteration zone is cut to the west by the Spider fault, a steeply eastward dipping reverse fault. A zone of silicification and muscovite alteration occurs in the hanging wall of the Spider fault and may be unrelated to the tourmalinite zone.

Four diamond-drill holes in the footwall of the Goatfell tourmalinite in 1988-1989 were focused on testing the Sullivan time horizon (the projected Lower-Middle Aldridge contact). Minor tourmalinite and fracture controlled sphalerite and galena was intersected in these holes. No drilling has been conducted in the hanging wall of the Goatfell tourmalinite.

An extensive area of tourmalinite float, containing galena and sphalerite within an intensely brecciated tourmalinized matrix, occurs about 2.5 kilometres to the south (Assessment Report 21939)".

Sha Showing

As described in Minfile: "The original Sha property was a large Cominco property situated to the south of the Goatfell property. The Sha South showing is now included in the Goatfell claims. Geology is essentially similar, with east-dipping Lower and Middle Aldridge meta-sediments cut by a number of north-trending faults, including the Kid Creek, Iron Mountain, Spider Creek, Hazel Creek and Moyie Faults, and intruded by Moyie dykes and sills. A great deal of assessment work including soil geochemical surveys and geophysical surveys have been done. Several coincident lead-zinc soil anomalies have been located. Minfile describes the showing as a geochemical anomaly as follows:

The Sha South geochemical anomaly is located on the (previous) Sha 29 and 30 claims, approximately 8 kilometres west of Yahk (Assessment Report 22057). Reconnaissance geophysical surveys by UTEM (University of Toronto electromagnetic) method disclosed several low-level conductors on the claims (Assessment Reports 17044, 18163, 18164). Earlier horizontal-loop electromagnetic and ground magnetic surveys had also shown several weak conductors and anomalies (Assessment Report 11210).

The area is underlain by the peri-cratonic Middle Proterozoic Purcell Supergroup, a thick succession of siliciclastic and lesser carbonate rocks. The claims are underlain by quartzitic turbidites and argillaceous siltstones of the Middle Aldridge Formation. No mineralization is reported, but spot highs of up to 200 parts per million lead and 250 parts per million zinc were found in soil samples (Assessment Reports 15025, 22057).

References: Assessment Reports No's 11210, 15109, 15025,18163, 16181, 17044, 17775, 17044, 18164. *22057, 23866, 23961 Minfile 82FSE 076,089".

Purcell Range Exploration Ltd.

Goatfell Property

Figure 4 - Property Geology / Station Location Map

Projection - NAD 83 UTM Zone 11N

Scale - 1: 50 000 15/11/2012

550000 552000 554000 556000 558000 560000 562000 564000

5446000 5444000 5442000 5440000 5438000 5436000 5434000 5432000 5430000 5428000

Mp-Am Mp-M Mp-Au Mp-Cl Mp-Cm Mp-Alr Mp-Afr Qt-al

SUNDOWN KID MONROE MOYIE FALLS BUTTE GRITTY HIAWATHA BEEHIVE MEADOWBROOK SHAFT LAMB GOATFELL OPTION SUN SHA SOUTH BLACKMORE R R+5 R3

0 1,500 3,000 4,500

Meters

N

UNITED STATES

Refer to Figure 3b for geology Legend.
*Geology After Brown 2011.

Legend

- 2012 Geostation
- Mineral Occurrence

Marker Lines

LAYER

- LMC
- Marker - Approximate
- Marker - Assumed
- Marker - Defined
- Marker - Unknown
- Tourmalinite
- Albite Alterations
- Fragmentals
- Hematite Alteration
- Goat Fell Property
- Contour
- USA

2012 WORK PROGRAM

The 2012 program on the Goatfell started on June 15 and continued intermittently until September 25. The field work was split into two blocks, one between June 25th and July 12 and the other between August 10th and 26th. The crew stayed in Yahk during the field portion of the program, traveling daily to the property by 4x4 truck and 4X4 ATV's. The property has an extensive logging road network which was supplemented with strategic older roads cleared during the program for ATV use.

The exploration program on the Goatfell property consisted of a very large geochemical survey covering nearly the entire property along with geological mapping and prospecting. A grid was set up consisting of directional lines at an azimuth of 80 degrees along with some contour lines in certain areas, all of which were designed to sample across stratigraphy. The lines were spaced 400 m apart with sample spacing every 25 m, the grid covering an area 4.5 km wide and 11 km long. The focus of the geochemical sampling was to identify an anomalous horizon within the Middle Aldridge sediments that could be an indication of basinal sulphide mineralization. These horizons could then be followed up to vector towards potential SEDEX mineralization.

The focus of the geological mapping and prospecting was to identify and catalogue stratigraphic markers on the property and prospect for lead/zinc mineralization and other SEDEX indicators such as tourmalinite mineralization and/or albite alteration. Particular focus was to the west of historic drill holes GF95-1-B and 1A, where more definition is needed to determine the drill depth to Sullivan time, if it exists at this locality. A summary of the geological mapping data can be found in Appendix VII.

All of the soil, silt and rock samples were located using a handheld GPS and all the pertinent data collected into digital palm pilot in the field. All of the data was downloaded to a database daily with Quality Assurance/Quality Control completed to fix any location or data errors. A summary of the sampling, XRF and analytical procedures can be found in Appendix III, the sample locations and descriptions in Appendix IV, and geochemical results in Appendices V and VI.

All of rock samples to be sent for assay were sent to ACME laboratories in Vancouver BC using Greyhound Couriers. All of the marker bed rock samples were sent to Dave Pighin, P.Geo., with High Grade Geological Consulting, who is the expert on Middle Aldridge marker identification. The field samples were cut and then matched to known standards from drill core. All silt and soil samples were hung to dry on site, homogenized, prepared using a -80 mesh sieve and analyzed using a bench top Niton Xl3t XRF Analyzer. A collection of soil samples were sent to the laboratory to provide due diligence on our sampling methods and results.

A total of 260 man days were spent on the property in the field, including sample preparation and analysis using the XRF.

Table 4 – Sampling Totals

Sample Type	Total
Rock Samples (Assay)	18
Rock Samples (Marker and Description)	30
Silt Samples	67
Soil Samples	3370
Soil Samples Sent to Lab	213

2012 PROGRAM RESULTS

Geological Mapping and Prospecting

Geological mapping was successful in cataloging and locating a number of geologic markers on the Goatfell property. A new marker that could not be matched to current standards was also located at sample AHGFR003 but it is known that it lies stratigraphically below the Moyie marker from previous mapping. A table compiling the geologic marker samples can be found below.

Table 5 – Geological Marker Sample Results

Station Number	Sample Number	UTM E	UTM N	UTM ZONE	GPS Accuracy	Matched Marker	Notes
CRGFG002	BKGFR001	556873	5439394	11N	7		Not good specimen
CRGFG023	CRGFR002	558686.76	5439378	11N	1		Can't match, but good specimen
CRGFG033	CRGFR004	558540	5438175	11N	0	Falls	
CRGFG035	CRGFR005	556954	5440642	11N	0	Sundown	Very good match
CRGFG057	CRGFR007	557032	5440937	11N	0	Sundown	
CRGFG080	CRGFR009	558639	5435098	11N	7	Sundown	
CRGFG086	CRGFR010	558587	5435450	11N		Kid	perfect match
CRGFG088	CRGFR011	558595	5435720	11N	8	Sundown	
CRGFG096	CRGFR012	558639	5435309	11N	40		Can't match specimen, no workable pattern
CRGFG089	CRGFR013	558622	5435725	11N	6		Can't match, but good specimen
CRGFG098	CRGFR014	558829	5436089	11N	8	Sundown	
CRGFG104	CRGFR015	559022	5436001	11N		Sundown	
CRGFG106	CRGFR016	559164	5435908	11N	11	Sundown	
CRGFG121	CRGFR017	556257	5440780	11N	5		No good
CRGFG133	CRGFR022	557895	5434013	11N	19	Butte	
CRGFG171	CRGFR024	557281	5436445	11N	19		Not a marker
CRGFG173	CRGFR025	557523	5436190	11N	12		No good
CRGFG179	CRGFR028	558646	5443189	11N	10	Moyie	perfect match

Station Number	Sample Number	UTM E	UTM N	UTM ZONE	GPS Accuracy	Matched Marker	Notes
CRGFG185	CRGFR029	557129	5438227	11N	9	Kid	perfect match
CRGFG186	CRGFR030	557225	5438202	11N	14		Not good specimen
CRGFG214	CRGFR038	555624	5441945	11N	6	Sundown	Very good match
CRGFG215	CRGFR039	555552	5441903	11N		Sundown	Very good match
CRGFG226	CRGFR043	558587	5433574	11N	20		can't match
CRGFG023	AHGFR003	558686.76	5439378	11N	1		Good specimen, but can't match with known id's, could be new marker that is below Moyie

Prospecting on the property unfortunately proved unsuccessful. No alteration signatures or mineralization of significance were encountered. Some float samples of tourmalinite were found during prospecting traverses, none of which were mineralized and never found in outcrop. None of the rock samples sent away for assay returned any anomalous values for elements of interest.

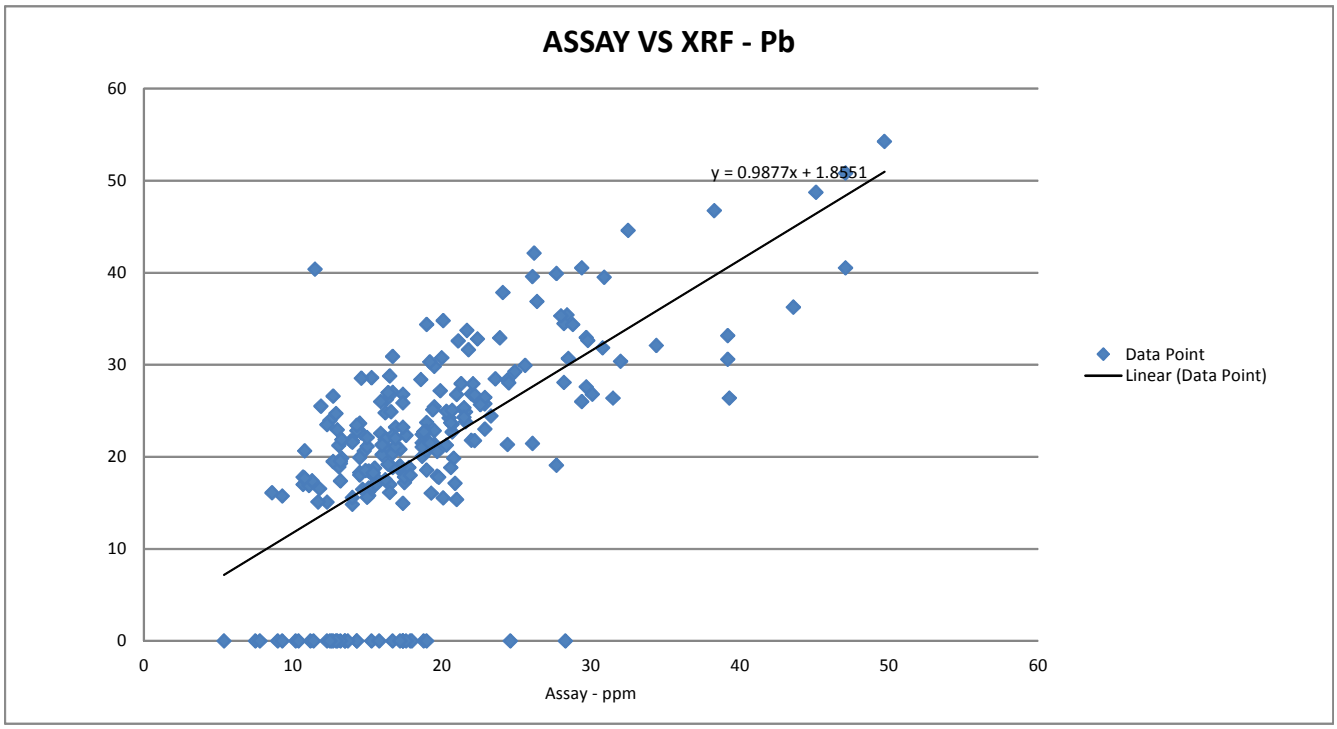
Geochemical Sampling

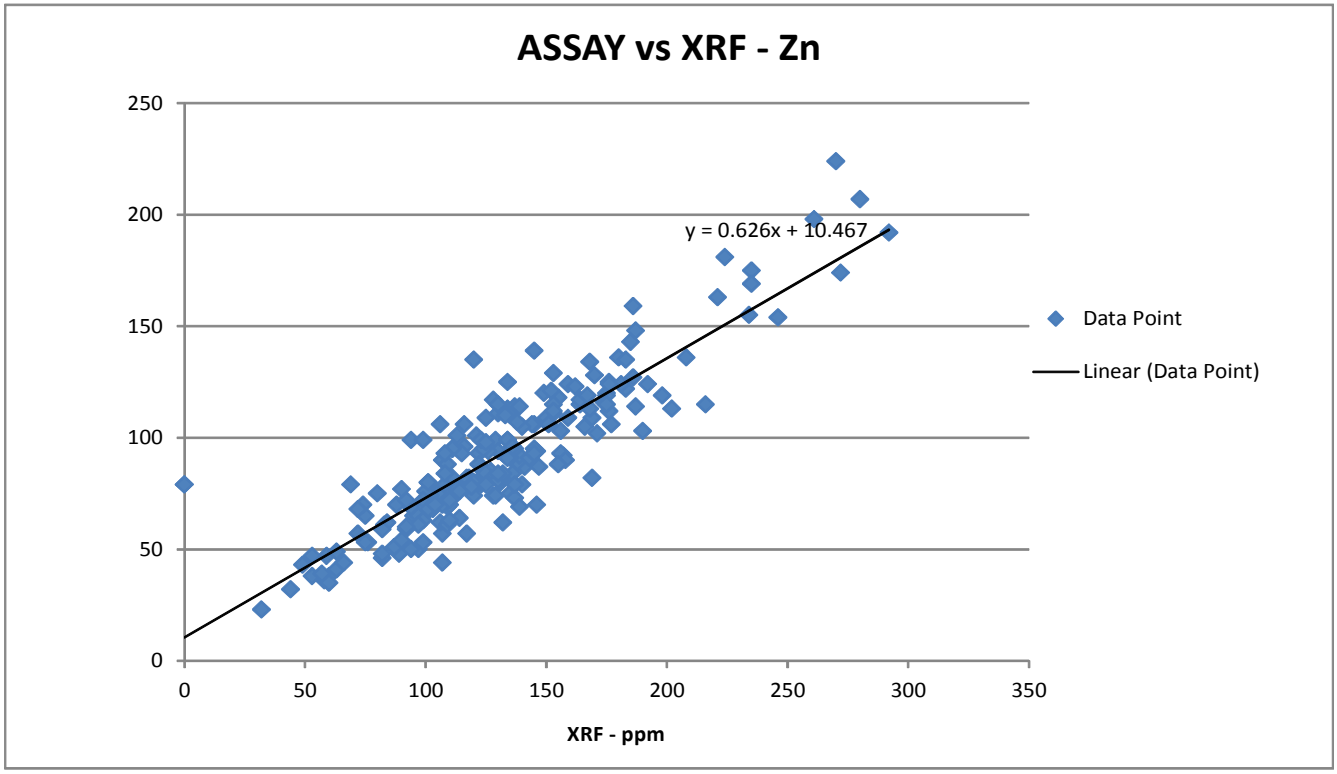
A total of 3370 soil samples and 67 silt samples were taken during the 2012 program. As described in the section above, a soil grid was laid out to to cover the most prospective part of the property with an orientation so that it cut stratigraphy. A total of 213 soil samples were sent to the lab for due diligence in comparison with the values received from the XRF. The values returned from the lab came in exactly where it is expected when compared with the XRF results. The two elements that we focus on are zinc and lead, which are well understood when it comes to XRF-Laboratory comparative results. Tables showing the comparison can be found below.

On top of the soils taken in 2012, historical soil samples from 1989 exploration programs were entered into the database and linked to geochemical results for elements of interest. This consisted of a total of 1027 soil samples which covered a tight grid over the historical Goatfell showing and surrounding area to the south along with another grid on the north side of the highway.. The grid totaled 2.3 km long and 1.4 km wide with 100 m spaced lines and 50 m spaced samples. The locations of these samples and their geochemical results can be found in Figures 5a-c and 6.

Of the 67 silt samples taken on the property, only one sample, CRGFS015, came back with anomalous results for elements of interest (Cu and Fe). No samples returned anomalous values for lead or zinc.

Table 6 – XRF vs Assay Results





The important thing to take from these charts is the slope of the trend line. For lead, the slope of the line shows a 0.98 relationship between Laboratory and XRF data. For zinc, the slope of the line shows a 0.63 relationship between Laboratory and XRF data. These values are exactly where they should be from previous studies conducted by TerraLogic Exploration and thus confirm the reliability of the XRF data.

Statistical analysis of the entire soil dataset was completed to get an understanding of background values on the property and what consists of anomalous signatures for elements of interest. A summary of the statistics for the elements of interest is found in the table below.

Table 7 – Geochemical Statistics

	Cu_ppm	**Pb_ppm**	**Zn_ppm**	**As_ppm**	**Fe_%**
Median	0	20.33	112	0	2.423318
Mean	6.651887	21.13393	117.7949	1.382135	2.399871
Standard Dev	17.24942	35.81775	52.86179	7.121257	0.60344
Minimum	0	0	0	0	0
Maximum	277.68	1075.64	785	249.38	5.710774
N=count	3423	3459	3482	3420	3482
countif null	59	23	0	62	0
countif=0	2865	597	7	3127	2
countif > 0	558	2862	3475	293	3480
50th percentile	0	20.335	112	0	2.423408
75th percentile	0	25.9175	143	0	2.719681
90th percentile	33.354	33.089	178	0	3.039971
95th percentile	42.985	39.395	202	11.671	3.246989
98th percentile	52.7758	49.6244	235.4	15.52	3.629409
99th percentile	58.2285	63.3244	280.4	21.0576	3.928888

The 2012 soil sampling identified some broad anomalous zones as well as a few isolated anomalies over short intervals. A summary of the anomalies of interest are as follows:

- Northwest of the Grid
  - This is a broad multi element anomaly consisting of a 1 km² signature of highly anomalous lead and zinc, with coincident anomalous arsenic, copper and iron.
  - This anomaly lies below the Hiawatha Marker within the Middle Aldridge meta-sediments
  - Four infill soil lines were completed during the program to confirm and further define the anomaly with 200 m spaced lines
  - One day of prospecting was spent over the anomaly. There is little to no outcrop in the area and no mineralization or alteration of interest was located.
  - Located over a minor magnetic anomaly from 2011 survey
- Very South of the Grid
  - The contour soil line at the very southern edge of the grid, as well as the line directly to the north, contains a multi element anomaly for a total of 500 m along the soil line. This anomaly consists of highly anomalous and anomalous values for lead, zinc, iron and arsenic.
  - The Spider Fault runs right through this anomaly
- Central Eastern part of the grid
  - Broad very moderate anomaly for zinc and iron in a northerly direction along the ridge
  - Coincident with a linear magnetic feature from the 2011 survey
  - Spent one day prospecting along the ridge, some float tourmalinite located, but no mineralization
- Other less prominent anomalies
  - Very eastern portion of line GFL018: Elevated lead values for lead and zinc over 350 m
  - Western side of line GFL017: Elevated values for lead and zinc over 100 m
  - Western portion of grid between Lamb/Beehive and Hiawatha markers: 4 small clusters of anomalous zinc and lead over 3.3 km along this stratigraphic zone.
  - Contamination from railway which historically carried ore from the Sullivan and was also built in some parts using waste rock form the mine.
    - Highly anomalous samples south of the Goatfell occurrence
    - Highly anomalous samples (including highest lead at 1075 ppm) in very northeast of grid

Purcell Range Exploration

Goatfell Property

Figure 5a - Geochemical Result Map

Pb ppm, Fe pct - Themed on Pb ppm

Projection - NAD 83 UTM Zone 11N

Scale - 1: 10 000

15/11/2012

INSET A

INSET B

553000 554000 555000 556000 557000 558000 559000 560000 561000

5442000 5440000 5438000 5436000 5434000 5432000

60 30 0 60 120 180 240 Meters

480 240 0 480 960 1,440 1,920 Meters

675 337.5 0 675 1,350 2,025 2,700 Meters

Legend

2012 Soil Sample results

Pb ppm, Fe pct - Themed on Pb ppm

- < 20.3 50th percentile
- 20.4 - 25.9 75th percentile
- 26.0 - 33.1 90th percentile
- 33.2 - 39.4 95th percentile
- > 39.5 98th percentile
- No Samples
- Mineral Occurrence

Marker Lines

- LMC
- Marker - Approximate
- Marker - Assumed
- Marker - Defined
- Marker - Unknown
- Tourmalinite
- Albite Alterations
- Fragmentals
- Hematite Alteration
- Stream
- Contour
- Highway
- Railway

Purcell Range Exploration

Goatfell Property

Figure 5b - Geochemical Result Map

Zn ppm

Projection - NAD 83 UTM Zone 11N

Scale - 1: 10 000

15/11/2012

556000

560000

5440000

5436000

5432000

INSET A

INSET B

Mp-Am
Mp-Cl
Mp-Au
Mp-Air
Mp-M
Mp-Cm
Qt-al

GOATFELL

Meters
0 200 400 800 1,200

Meters
0 1,500 3,000 4,500

Legend

2012 Soil Sample Results

Zn ppm

- < 112.0 50th percentile
- 112.1 - 143.0 75th percentile
- 143.1 - 178.0 90th percentile
- 178.1 - 202.0 95th percentile
- > 202.1 98th percentile
- No Samples
- Mineral Occurrence
- Tourmalinite
- Albite Alterations
- Fragmentals
- Hematite Alteration
- Contour
- Goat Fell Property

Marker Lines

- LMC
- Marker - Approximate
- Marker - Assumed
- Marker - Defined
- Marker - Unknown
- Railway
- Roads
- Stream

Refer to Figure 3b for geology Legend.
*Geology After Brown 2011.

Purcell Range Exploration

Goatfell Property

Figure 5c - Geochemical Result Map

Cu ppm

Projection - NAD 83 UTM Zone 11N

Scale - 1: 10 000

15/11/2012

INSET A

INSET B

Legend

2012 Soil Sample results

Cu ppm

- < 33.4 90th percentile
- 33.5 - 43.0 95th percentile
- > 43.1 98th percentile
- No Samples
- Mineral Occurrence
- Tourmalinite
- Albite Alterations
- Fragmentals
- Hematite Alteration
- Goat Fell Property

Marker Lines

- LMC
- Marker - Approximate
- Marker - Assumed
- Marker - Defined
- Marker - Unknown
- Railway
- Roads
- Contour
- Stream

Purcell Range Exploration L

Goatfell Property

Figure 6 - historic Geochemical Result Map

Pb ppm, Zn ppm - Themed on Pb ppm

Projection - NAD 83 UTM Zone 11N

Scale - 1: 5000 15/11/2012

556000 558000 560000

5444000 5442000 5440000

Mp-Am Mp-M Qt-al

GOAT01

Legend

Historic Geochem Results

Pb ppm, Zn ppm - Themed on Pb ppm

- > 20.3
- 20.4 - 25.9
- 26.0 - 33.1
- 33.2 - 39.4
- > 39.5
- No Sample
- Mineral Occurrence
- Tourmalinite
- Albite Alterations
- Fragmentals
- Hematite Alteration
- Goat Fell Property

Marker Lines

- LMC
- Marker - Approximate
- Marker - Assumed
- Marker - Defined
- Marker - Unknown
- Railway
- Roads
- Contour
- Stream

Refer to Figure 3b for geology Legend.
*Geology After Brown 2011.

N

0 500 1,000 1,500

Meters

Purcell Range Exploration Ltd.

Goatfell Property

Figure 7 - Geochemical Result Map - Silt Samples
Pb ppm, Zn ppm, Cu ppm
Projection - NAD 83 UTM Zone 11N
Scale - 1: 20 000 23/11/2012

553000 556000 559000

5444000 5441000 5438000 5435000

N

Mp-Am Mp-Cl Mp-Au Mp-M Mp-Alr Mp-Cm Qt-al

MUNROE MOYIE SUNDOWN KID BEEHIVE MEADOWBROOK SHAFT LAMB GOATFELL SHA SOUTH

AUGFS001 , 18,
AUGFS002 , 18,
JSGFS002 11.98, 22,
JSGFS001 11.27, 20, 25.39
CRGFS030 11.16, 21,
CRGFS031 10.33, 17,
CRGFS036 , 17,
CRGFS032 10.76, 18,
CRGFS037 11.46, 20,
CRGFS002 15.48, 49, 0
CRGFS033 , 14,
CRGFS038 , 16,
CRGFS039 10.25, 19,
CRGFS034 9.65, 15,
JSGFS003 , 18,
CRGFS040 , 17,
CRGFS035 10.88, 17,
CRGFS001 20.28, 59, 0
CRGFS003 21.07, 54, 0
CRGFS004 24.12, 56, 0
CRGFS005 32.42, 67, 0
CRGFS006 22.49, 78, 0
CRGFS007 0, 54, 39.94
CRGFS008 23.04, 45, 0
CRGFS009 21.19, 38, 0
CRGFS010 19.61, 54, 0
CRGFS011 16.34, 31, 0
CRGFS012 0, 65, 0
CRGFS013 22.73, 56, 0
CRGFS014 0, 46, 0
CRGFS015 23.45, 83, 72.4
CRGFS016 0, 66, 0
CRGFS017 0, 60, 0
CRGFS018 17.87, 57, 0
CRGFS019 17.31, 65, 0
CRGFS020 15.52, 51, 0
CRGFS021 26.53, 52, 0
CRGFS022 16.17, 71, 0
CRGFS023 25.45, 92, 0
CRGFS025 , 15,
CRGFS026 9.68, 16,
CRGFS027 9.79, 15,
CRGFS028 10.98, 21,
CRGFS029 9.84, 18,

0 355 710 1,420 2,130 2,840 Meters

Legend

- Soil Sample Locations
- Marker
- Goat Fell Property
- Mineral Occurrence

Marker Lines

- LMC
- Marker - Approximate
- Marker - Assumed
- Marker - Defined
- Marker - Unknown
- Tourmalinite
- Albite Alterations
- Fragmentals
- Hematite Alteration
- Roads
- Railway
- Stream
- Contour

INTERPRETATION AND CONCLUSIONS

The Goatfell property is well positioned to host SEDEX mineralization, with a large sequence of Middle Aldridge sediments, regional and local scale faulting and the presence of tourmalinite vents. The drilling of four exploration holes by Chevron Minerals Ltd. and partners has not disproven the original theory that SEDEX mineralization could occur at the Sullivan time horizon within the property, as this unit has not yet been intersected in the drilling to date. However, a mineralizing event has been documented in the Middle Aldridge Formation on the adjacent Kid-Star property, where a SEDEX Pb-Zn-Ag deposit has been discovered. Strong geologic evidence suggests that this unit may be a more favorable and economically-attractive host. Recent work points to the onset of tectonic instability in the Goatfell area of the Creston structural corridor, occurring at "Kid" time, slightly later than the Sullivan time, and 917 m above the level of the Sullivan deposit in the Sullivan Corridor.

Tourmalinite north of the area of 1995 drilling on the Goatfell property is evidence of the type of hydrothermal activity which could result in deposition of base metal sulphides. At the Sullivan orebody, base metal mineralization is concentrated along a north-south corridor and may be localized adjacent to the crosscutting Kimberley Fault.

The work in 2012 consisted of a large geochemical sampling program, along with property wide prospecting and mapping. The geochemical survey provided a broad coverage over nearly the entire property.

The geological mapping did not locate any mineralization or alteration that would indicate a basinal SEDEX mineralization system on the property. Marker beds were successfully located and documented on the property, better delineating the thickness of different stratigraphic horizons.

The geochemical survey identified a number of anomalous zones of interest described in the work section above. The most prominent anomaly is the large multi element anomaly in the northwest portion of the grid. The one day of prospecting could not locate a source for the anomaly, although infill lines completed between the initial lines confirmed the results and robust quality of the anomaly.

The anomaly at the very southern end of the grid is another of interest and would warrant follow up. Better definition of the anomalies would be warranted, along with prospecting and mapping of the region. A few of the smaller anomalies are of interest as well, as they could represent a tail end of a larger system, and warrant follow up work.

As described above, the horizon at Sullivan time remains to be drill tested on the property. This target is difficult to achieve however, with a projected drill depth that could be 1000 m or more. Although historic drilling documented marker horizons in the drill core, they were either not matched or the marker data wasn't recorded and so stratigraphic thicknesses of the units below the lowest markers identified on surface remains uncertain.

RECOMMENDATIONS

Based on the results from the 2012 exploration program, further work is recommended on the Goatfell Project as follows:

- Laboratory analysis of specific samples with elevated base metal values to test for the presence of gold, as seen in a similar setting on the Iron Range property to the west.
- Data compilation of all surficial and drill hole data, this would require a DGPS survey of existing infrastructure on the property;
- Geophysical techniques, both ground and airborne, have not proved extremely useful on the property and should be used with caution in the future; that being said, post processing of the existing geophysical data by a third party geophysical consultant could result in new / revised target definition, especially with the incorporation of new geological and geochemical data.
- Follow up of ground geochemical anomalies of interest should include
    - further definition of anomalies with tighter spaced geochemical sampling
    - mapping and prospecting to help identify possible source of anomalies
    - trenching of soil anomalies where warranted
- Following the groundwork, several diamond drill-holes will be necessary to test for:
    - the presence of the "Kid-Star" horizon in Middle Aldridge sediments within the proposed zone of structural dislocation and basin-thickening
    - Presence of the Sullivan time horizons
    - Ground geochemical anomalies

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GEOCHEMICAL AND GEOLOGICAL REPORT
on the
GOATFELL PROPERTY

Volume II - Appendices

Fort Steele Mining Division, Southeastern British Columbia

N.T.S. 82F01
Latitude 49°05' N, Longitude 116° 12' W

Prepared for:

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S7K 5M5

by

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V1C 2R7

November 6, 2012

Appendix I – Statement of Qualifications

Aaron A. Higgs, B. Sc.

I, Aaron Ashwell Higgs, B.Sc. do hereby certify that:

I am currently employed as a Geologist by TerraLogic Exploration Inc., with business location of Suite 200, 44-12th Ave S., Cranbrook, BC, V1C 2R7 (Telephone: 778-520-2000, email: aah@terralogicexploration.com

I graduated with a Bachelor of Science in Geology from the University of British Columbia in the year 2005.

I have worked as a Geologist in Western Canada for 8 years.

I am responsible for the preparation of this Technical Report entitled "2012 Assessment Report for the Goatfell Property", prepared for Purcell Range Exploration Ltd.

Dated at Cranbrook, British Columbia, Canada this 19th day of November, 2012.

Respectfully submitted

Aaron A. Higgs, B.Sc. (Geol)

Appendix II – Statement of Expenditures

2012 Goatfell Expenditures					
Exploration Work type	**Comment**	**Days**			**Totals**
Personnel (Name) / Position	**Field Days (list actual days)**	**Days**	**Rate**	**Subtotal**	
Aaron Higgs, Project Manager	Between June 15 and Sept 25, 2012	15.04	625	$9,400.00	
Clay Roehner, Geologist	Between June 15 and Sept 25, 2012	44.00	450	$19,800.00	
Ben Kary, Data Manager (Includes XRF Analysis work)	Between June 15 and Sept 25, 2012	65.25	425	$27,731.25	
Andreas Unterberger, Geotechnicians (Includes XRF Analysis work)	Between June 15 and Sept 25, 2012	61.50	375	$23,062.50	
James Rose, Geotechnicians (Includes XRF Analysis work)	Between June 15 and Sept 25, 2012	60.00	375	$22,500.00	
Linden Mazzei, Geotechnician	Between June 15 and Sept 25, 2012	17.50	375	$6,562.50	
				$109,056.25	**$109,056.25**
Office Studies	**List Personnel**	**Days**			
Project Management and Preparation	Aaron Higgs, Project Manager	10.00	$625.00	$6,250.00	
Report preparation	Aaron Higgs, Project Manager	3.50	$625.00	$2,187.50	
Project Preparation	Clay Roehner, Geologist	1.07	$375.00	$401.25	
Data Management	Ben Kary, Data Manager	2.67	$350.00	$934.50	
Data Entry and Project Preperation	Andreas Unterberger, Geotechnicians	2.10	$325.00	$682.50	
Report preparation	Nathan Taylor	2.50	$425.00	$1,062.50	
Land Access Research	Brenda Lovelette, Tenure Manager	0.67	$550.00	$368.50	
Data Entry	Blair Orr	1.11	$360.00	$399.60	
Equipment Preparation	Brad Robison	0.27	$525.00	$141.75	
Database Compilation	Chris Gallagher	1.60	$725.00	$1,160.00	
Project Preparation	Jim Ryley	0.13	$675.00	$87.75	
Data Entry	Lewis Jones	1.50	$350.00	$525.00	
				$14,200.85	**$14,200.85**
Contractors and Subcontractors					
Geological	High Grade Consulting			$5,625.00	
				$5,625.00	**$5,625.00**
Geochemical Surveying	**Number of Samples**	**No.**	**Rate**	**Subtotal**	
Soil			$0.00	$4,860.66	
Rock			$0.00	$628.74	
				$5,489.40	**$5,489.40**
Transportation		**No.**	**Rate**	**Subtotal**	
Airfare			$0.00	$834.58	
Taxi			$0.00	$29.90	
fuel			$0.00	$2,830.70	
Other				$159.20	
Repair and Maintenance				$20.00	
				$3,874.38	**$3,874.38**
Accommodation & Food	**Rates per day**				
Hotel			$0.00	$17,113.42	
Camp			$0.00	$4,375.69	
Meals	day rate or actual costs-specify		$0.00	$4,704.74	
				$26,193.85	**$26,193.85**
Geological and Geochemical					
Map Plotting			$0.00	$0.00	
Geological Supplies				$137.32	
Sampling Consumables	sample bags, tags, flagging, etc…			$1,787.22	
Land Notification				$389.98	
				$2,314.52	**$2,314.52**

Equipment Rentals			per month		
Trailer				180	
Sat Phone				416.38	
Sat Phone Airtime				23.84	
ATV - per month		0.20	2,500.00	500.00	
ATV side by side - per month		1.33	3,000.00	3,990.00	
ATV side by side - per month		1.10	3,000.00	3,300.00	
Chainsaw - per month		1.46	150.00	219.00	
Computer wi printer - per month		2.20	220.00	484.00	
Core Logging Facility - per day		7.00	75.00	525.00	
Field kits - per month		3.40	200.00	680.00	
Field kits - per month		2.60	200.00	520.00	
Field kits - per month		0.26	200.00	52.00	
Fieldhouse Accommodations - per day		10.00	30.00	300.00	
Level III First Aid Kit - per month		1.46	100.00	146.00	
Mileage per km-Unit#04		450.00	0.30	135.00	
Mileage per km-Unit#05		1,315.00	0.30	394.50	
Mileage per km-Unit#07		725.00	0.30	217.50	
Mileage per km-Unit#Chuck's truck		320.00	0.30	96.00	
Office Plotter		1.00	405.60	405.60	
Radio wi charger - per month		0.39	220.00	85.80	
Radio wi charger - per month		5.65	220.00	1,243.00	
Radio wi charger - per month		1.20	220.00	264.00	
Satellite phone wi charger - per month		1.33	250.00	332.50	
Satellite phone wi charger - per month		0.34	250.00	85.00	
Small tools construction kit - per month		0.94	100.00	94.00	
Trailer 5 Ton - per month - Unit #02		1.20	2,000.00	2,400.00	
Trimble GeoXT - per month		0.33	1,200.00	396.00	
Truck wi insurance - per month Unit#04		0.17	2,500.00	425.00	
Truck wi insurance - per month Unit#05		1.04	2,500.00	2,600.00	
Truck wi insurance - per month Unit#07		0.71	2,500.00	1,775.00	
Truck wi insurance - per month Unit#Chuck's truck		0.49	2,500.00	1,225.00	
XRF Niton XL3t - per month		2.07	6,600.00	13,662.00	
				$37,172.12	**$37,172.12**
Freight					
Greyhound Shipping				$210.72	
				$210.72	**$210.72**
TerraLogic Exploration Handling and Adminstration Fees					
				$6,649.21	**$6,649.21**
TOTAL Expenditures					**$210,786.30**

Appendix III – Geoechemical Protocol

3.1 – Sampling Techniques
3.2 - Analytical Techniques
3.3 - Software Used

3.1 Handling and Sampling Protocol

All 2012 samples were collected by TerraLogic Exploration Inc employees and sub-contractors. The sampling process is standardized and continually monitored for quality assurance and quality control. 4 types of samples were collected during the program, these include: drill core, rock, silt and soil samples. All samples are described in a digital form on a Palm Pilot in the field at the time of collection and also have a GPS location recorded at the site. Sample data was also recorded in field books and locations plotted on field maps as a backup to the digital forms. All of the 2012 soil and silt samples from the Goatfell program were prepared and analyzed using a Niton XRF handheld unit. All of the rock samples and a selection of soil samples were shipped via Greyhound directly to Acme Laboratories at 1020 Cordova St, East, Vancouver BC, V6A 4A3.

Rock Samples

Rock samples were collected where mineralization was noted. Transported rock materials were sampled as Float, Talus or Subcrop rock sample types, depending on the perceived distance the rock had traveled from its source. Rocks were collected from outcrops as fist sized Grab samples, or as Chip or Channel samples. A Chip sample is a series of continuous and representative samples taken over a set direction and length using a hammer and chisel. In each case rock samples are recorded on the digital forms with a spatial location and a variety of attributes which include: map unit, major rock type, minor rock type, colour fresh, colour weathered, texture, grain size, mineralization major and mineralization minor. All samples were shipped in plastic rice bags with locking plastic straps with unique identification numbers to prevent tampering during the chain of custody.

Soil Samples

Samplers conducted soil sampling traverses over both grids and contour lines. Soil lines were laid out using compass bearings and hip chains. Sample spacing during this program consisted of 25 meters apart. Soil samples were collected from pits dug with geo-tools to an average depth of 15-30 cm. Where possible the soil sample was collected from the B-Horizon of the soil profile. Attribute data collected for each soil sample included: sample size, quality, depth, slope of sample site, soil horizon, colour and other notes. Sample size is rated from 1-5 with one being much too small sample size and 5 being the perfect sample size, filling roughly ¾ of the sample bag. Quality of the sample rated from 1-5 with 1 being very poor quality and 5 being excellent quality. Factors that include: sample size, soil development and quality (the lack of organics), and depth of sample all contribute to the overall quality attribute.

Silt Samples

Samplers and geologists collected silt samples at any stream they crossed while on a soil line or traverse. Attribute data collected for each silt sample included: sample size, quality, depth, water velocity and tributary order. Samples size is rated on a scale of 1-5 with 1 being a very small sample and 5 being the perfect sample amount, filling roughly ¾ of the sample bag. Factors that include: sample size and silt quality (lack or pebbles or mud) contribute to the overall quality attribute.

Sample Handling and Shipping Procedure

All samples were brought back to the base in Yahk, BC; here soil and silt samples were arranged in order and hung to dry. Rock samples were also lined up in order of sampler and number. Samples with damaged bags or unclear labels were re-bagged and placed back into order. At the end of the program, a shipment was prepared. This would require one person going through each sample ensuring that all samples were in order and that any missing samples were accounted for with an empty bag marked with the sample number and "LS" for lost sample. The other person would record each sample number to be shipped. Once recorded, the samples were placed in rice bags labeled with the shipment number and addresses. Each shipping bag was kept under 25 kg. The list of samples was compared to the database and any discrepancies investigated. Once the list of samples to be shipped matched the database's records, the bags were sealed with a zip tie security seal. The bags were shipped by Greyhound Courier from Cranbrook, BC to the Acme Labs in Vancouver, BC.

Sample Preparation, Analysis and Security

All 2012 silt and soil samples were allowed to dry for approximately three days in preparation for XRF analysis. Once dry, samples were sieved through to -80 mesh and approximately 100 grams of the material was placed within a ziplock bag. The sample was analyzed, through the ziplock bag, for 60 seconds on a portable test stand. When complete, the sample material was returned to original kraft bag.

All of the rock samples and a selection of soil samples from the 2012 program were analyzed using ICP-MS (Mass Spectrometer), ICP-AES (Emission Spectrometer) and Fire Assay methods. The following methods were used during the program and are further described in section 3.2:

Rocks:

R200-500: Crush, split and pulverize 500 g rock to 200 mesh

1DX: 0.5 g Aqua Regia ICP-MS

G6: 30 g Fire Assay Fusion Au – AAS Finish

Soils and Silts

SS80: Dry at 60 C and sieve 100g to -80 mesh

1DX: 0.5 g Aqua Regia ICP-MS

3B: Fire Assay Fusion Au by ICP-ES

QAQC

No external standards were introduced during the 2012 program. Statistical analysis of the Internal laboratory QAQC data was completed and the results are consistent with all analytic procedures completed by Acme Analytical Labs Ltd. being within acceptable parameters.

3.2 Analytical Procedures

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METHOD SPECIFICATIONS
GENERAL SAMPLE PREPARATION METHODS

Receiving: Samples arrive via courier, post or by client drop-off; shipment inspected for completeness.

Sorting and Inspection: Samples sorted and inspected for quality of use (quantity and condition). Pulp samples inspected for homogeneity and fineness.

SOILS

SS80, S230, SSXX Drying and Sieving: Wet or damp soil samples are dried at 60°C (Air dried or 40°C if specified by the client). Soil and sediment sieved to -80 mesh (SS80) or -230 mesh (S230), unless client specifies otherwise (SSXX). Sieves cleaned by brush and compressed air between samples.

SP100, SCP100 Pulverizing: Soils are pulverized to -100 mesh ASTM with an option of using a mild-steel pulverizer (SP100) or a ceramic pulverizer (SCP100), per 100g.

ROCKS AND DRILL CORE

R200-250, R200-500, R200-1000: Rock and Drill Core crushed to 80% passing 10 mesh (2 mm), homogenized, riffle split (250g, 500g, or 1000g subsample) and pulverized to 85% passing 200 mesh (75 microns). Crusher and pulverizer are cleaned by brush and compressed air between routine samples. Granite/Quartz wash scours equipment after high-grade samples, between changes in rock colour and at end of each file. Granite/Quartz is crushed and pulverized as first sample in sequence and carried through to analysis.

P200, PSCB: Samples requiring pulverizing only are dried at 60°C and pulverized to 85% passing 200 mesh (75 microns), using a mild-steel pulverizer (P200), per 250g or a ceramic pulverizer (PSCB), per 100g.

M150, M200s: Rock and Drill Core are crushed, pulverized and sieved, save +150 and -150 mesh fractions (M150) or +200 and -200 mesh fractions (M200) for metallic Au or Cu analysis. Typically 500g samples are sieved.

HPUL: Rock and Drill Core are pulverized by using a mortar and pestle.

VEGETATION

PM1: Plant material is dried then milled to 1mm

VA475: Up to 0.1 kg of wet vegetation is ashed by heating to 475°C.

WWSH: Plant samples are washed with Type-1 water then dried at 60°C prior to analysis, per 100g.

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METHOD SPECIFICATIONS
GROUP 1D AND 1F – GEOCHEMICAL AQUA REGIA DIGESTION

Package Codes: 1D01 to 1D03, 1DX1 to 1DX3, 1F01 to 1F07
Sample Digestion: HNO3-HCl acid digestion
Instrumentation Method: ICP-ES (1D), ICP-MS (1DX, 1F)
Applicability: Sediment, Soil, Non-mineralized Rock and Drill Core

Method Description:

Prepared sample is digested with a modified Aqua Regia solution of equal parts concentrated HCl, HNO3 and DI H2O for one hour in a heating block of hot water bath. Sample is made up to volume with dilute HCl. Sample splits of 0.5g, 15g or 30g can be analyzed.

For 1F07, Lead isotopes (Pb_{204}, Pb_{206}, Pb_{207}, Pb_{208}) are suitable for geochemical exploration of U and other commodities where gross differences in natural to radiogenic Pb ratios, is a benefit. Isotope values can be reported in both concentrations and intensities. Sample splits of 0.25g, 0.5g, 15g or 30g can be analyzed.

Element	Group 1D Detection	Group 1DX Detection	Group 1F Detection	Upper Limit
Ag	0.3 ppm	0.1 ppm	2 ppb	100 ppm
Al*	0.01%	0.01%	0.01%	10%
As	2 ppm	0.5 ppm	0.1 ppm	10000 ppm
Au	2 ppm	0.5 ppb	0.2 ppb	100 ppm
B*^	20 ppm	20 ppm	20 ppm	2000 ppm
Ba*	1 ppm	1 ppm	0.5 ppm	10000 ppm
Bi	3 ppm	0.1 ppm	0.02 ppm	2000 ppm
Ca*	0.01%	0.01%	0.01%	40%
Cd	0.5 ppm	0.1 ppm	0.01 ppm	2000 ppm
Co	1 ppm	0.1 ppm	0.1 ppm	2000 ppm
Cr*	1 ppm	1 ppm	0.5 ppm	10000 ppm
Cu	1 ppm	0.1 ppm	0.01 ppm	10000 ppm
Fe*	0.01%	0.01%	0.01%	40%
Ga*	-	1 ppm	0.1 ppm	1000 ppm
Hg	1 ppm	0.01 ppm	5 ppb	50 ppm
K*	0.01%	0.01%	0.01%	10%
La*	1 ppm	1 ppm	0.5 ppm	10000 ppm
Mg*	0.01%	0.01%	0.01%	30%
Mn*	2 ppm	1 ppm	1 ppm	10000 ppm
Mo	1 ppm	0.1 ppm	0.01 ppm	2000 ppm

Element	Group 1D Detection	Group 1DX Detection	Group 1F Detection	Upper Limit
Na*	0.01%	0.001%	0.001%	5%
Ni	1 ppm	0.1 ppm	0.1 ppm	10000 ppm
P*	0.001%	0.001%	0.001%	5%
Pb	3 ppm	0.1 ppm	0.01 ppm	10000 ppm
S	0.05%	0.05%	0.02%	10%
Sb	3 ppm	0.1 ppm	0.02 ppm	2000 ppm
Sc	-	0.1 ppm	0.1 ppm	100 ppm
Se	-	0.5 ppm	0.1 ppm	100 ppm
Sr*	1 ppm	1 ppm	0.5 ppm	10000 ppm
Te	-	0.2 ppm	0.02 ppm	1000 ppm
Th*	2 ppm	0.1 ppm	0.1 ppm	2000 ppm
Ti*	0.01%	0.001%	0.001%	5%
Tl	5 ppm	0.1 ppm	0.02 ppm	1000 ppm
U*	8 ppm	0.1 ppm	0.05 ppm	2000 ppm
V*	1 ppm	2 ppm	2 ppm	10000 ppm
W*	2 ppm	0.1 ppm	0.05 ppm	100 ppm
Zn	1 ppm	1 ppm	0.1 ppm	10000 ppm
Be*	-	-	0.1 ppm	1000 ppm
Ce*	-	-	0.1 ppm	2000 ppm
Cs*	-	-	0.02 ppm	2000 ppm
Ge*	-	-	0.1 ppm	100 ppm
Hf*	-	-	0.02 ppm	1000 ppm
In	-	-	0.02 ppm	1000 ppm
Li*	-	-	0.1 ppm	2000 ppm
Nb*	-	-	0.02 ppm	2000 ppm
Rb*	-	-	0.1 ppm	2000 ppm
Re	-	-	1 ppb	1000 ppb
Sn*	-	-	0.1 ppm	100 ppm
Ta*	-	-	0.05 ppm	2000 ppm
Y*	-	-	0.01 ppm	2000 ppm
Zr*	-	-	0.1 ppm	2000 ppm
Pt*	-	-	2 ppb	100 ppm
Pd*	-	-	10 ppb	100 ppm
Pb_{204}	-	-	0.01 ppm	10000 ppm
Pb_{206}	-	-	0.01 ppm	10000 ppm
Pb_{207}	-	-	0.01 ppm	10000 ppm
Pb_{208}	-	-	0.01 ppm	10000 ppm

* Solubility of some elements will be limited by mineral species present.
^Detection limit = 1 ppm for 15g / 30g analysis.

Limitations:

Au solubility can be limited by refractory and graphitic samples.

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METHOD SPECIFICATIONS
GROUP 3B AND G6 – PRECIOUS METALS BY FIRE ASSAY FUSION

Package Codes: 3B01 to 3B04, G601 to G614
Sample Digestion: Lead-collection fire assay fusion
Instrumentation Method: ICP-ES (3B, G6), ICP-MS (3B-MS), AA (3B, G6), Gravimetric (G6)
Applicability: Rock, Drill Core

Method Description:

Prepared sample is custom-blended with fire-assay fluxes, PbO litharge and a Ag inquart. Firing the charge at 1050 ^{o}C liberates Ag ± Au ± PGEs that report to the molten Pb-metal phase. After cooling the Pb button is recovered, placed in a cupel and fired at 950 ^{o}C to render a Ag ± Au ± PGEs dore bead. The bead is digested for ICP analysis or weighed and parted in ACS grade HNO_3 to dissolve Ag leaving a Au sponge. Au is weighed for Gravimetric determination; ACS grade HCl is added dissolving the Au ± PGE sponge for Instrument determination.

Element	3B Detection	3B Upper Limit	3B-MS Detection	3B-MS Upper Limit
Au	2 ppb	10000 ppb	1 ppb	10000 ppb
Pt	3 ppb	10000 ppb	0.1 ppb	10000 ppb
Pd	2 ppb	10000 ppb	0.5 ppb	10000 ppb

Element	G6 (Inst) Detection	G6 (Inst) Upper Limit	G6 (Grav) Detection	G6 (Grav) Upper Limit
Ag	--	--	50 g/t	1 ton
Au	0.005 g/t	10 g/t	0.9 g/t	1 ton
Pt	0.01 g/t	100 g/t	--	--
Pd	0.01 g/t	100 g/t	--	--

Note:
*Sulphide-rich samples require a 15g or smaller sample for proper fusion.

QUALITY CONTROL: DEFINITIONS AND GUIDELINES FOR INTERPRETATION

Acme Analytical Laboratories core product is analytical data. Therefore Acme has invested heavily into proprietary software and professional staff to ensure we produce the highest quality data. Acme uses a detailed and comprehensive quality system to minimize errors and maximize the reliability of our analytical results. This system applies a tiered approach to the application of quality systems in our laboratories. These tiers are layered in the following manner;

1. ISO 9001 and 17025 documentation, training and standard operating procedures. This forms the framework of the application of each specific method in the laboratory.
2. The use of instrument calibration standards. These solutions are analyzed before any other solutions to establish the factors required to convert raw instrument data into concentration values.
3. QC validation solutions. These solutions are analyzed with client samples to validate each run and to confirm that each analytical run has been performed correctly. These are typically inserted immediately before and immediately after client sample solutions.
4. Reference materials, replicates and blanks. These samples are inserted into randomly assigned positions within each rack as generated by our proprietary LIMS system so that they are analyzed with the client solutions. Their purpose is to provide a final verification of the entire sample handling process. These samples are made up of the following categories:
    - Sample preparation blank;
    - Sample preparation replicate;
    - Analytical blank;
    - Analytical replicate;
    - Certified Reference Material (CRM);
    - Internal Reference Material (IRM).
5. Data review and validation. This is the final layer that is made up of sophisticated proprietary software and professional personnel reviewing the data. The following steps are applied;
    a. Software validation. Proprietary software is used to review the data for specific problems and to perform a series of rational checks upon the data. Data values are flagged and given specific colors, red for fail and amber for warning. Operators must take action on failures and log their actions.
    b. Rack level validation is performed by the instrument operator that analyzed the samples. At Acme, this person is a Chemist or other person with substantial and equivalent experience. This can only occur when the data has passed the software validation. The operator reviews the rack QC and validates the rack of samples if all QC samples pass.
    c. Method level validation. This validation is performed by the senior department Chemist. This review examines all racks analyzed by a specific method. Its purpose is to identify any trends or unusual results that are not apparent when only looking at a single rack of data.
    d. Final Job validation. This is performed by a Certified Assayer or equivalent senior person. This person has access to all the data from multiple analytical methods to check and compare. This is the person that ultimately signs the final certificate.

This document provides a detailed description of Acme's application of Reference materials, Replicates and Blanks.

The Use of Analytical Blanks and Preparation Blanks

Acme uses two types of blanks in the sample analysis stream for drill and rock samples. The first is a preparation blank that is collected from the cleaning sand or rock used between each and every job to clean the crushing and pulverizing equipment prior to starting another client's samples. It also separates different jobs from the same client that may have been separated due to large differences in composition or grade. This blank appears as the first sample in each job, with results reported in the QC section of the certificate under the heading Prep Wash. The analytical results from this blank are used to monitor contamination during the preparation process. The second blank is an analytical blank which is inserted during analysis to monitor reagent contamination and is reported in the QC section of the certificate as BLK.

If the Client chooses to insert blank material, they must be previously certified by a minimum of 4 ISO 9001 accredited laboratories. The nominal maximum value for acceptance will be up to 1% of the preceding sample up to a maximum of 15ppb (preceding sample of 1,500ppb). For preceding samples above this range, additional cleaning rock must be run through equipment prior to these samples and repeat analysis will be at the cost of the client. In some cases, higher rates of contamination can occur. This is typically due to mineral types that contain higher levels of water of hydration (clay minerals). Our operators are trained to recognize this and use cleaning sand between such samples. Since this additional cleaning step carries an added cost, we do our best to contact the client to confirm these actions.

The Use of Replicates

Acme uses analytical and preparation replicates on drill samples to track reproducibility of the analytical and preparation processes. Data for both types of replicates is provided with each certificate at no charge. Replicate precision varies with concentration from 100% or greater error at or near the detection limit for the method, down to the method precision at concentrations greater than 10 times the detection limit.

If clients choose to submit blind replicates please note that replicates on drill samples may not meet the same reproducibility criteria as CRM's/IRM's because the drill samples may not be as homogeneous as an aggressively prepared and mixed standard.

The presence of native gold can also cause serious reproducibility problems. Where the presence of coarse gold is suspected, the parties should discuss more appropriate analytical and preparation techniques that can mitigate these problems.

The Use of Certified Standard Reference Materials (CRM's)

Acme uses CRM's whenever possible to track analytical accuracy and precision for each method. If a CRM is not available or of such high cost that they are not practical, Acme uses internal reference materials (IRM's) that are either synthetically made or certified by performing round robin analyses by several laboratories. If an IRM is used, Acme routinely validates their concentrations using CRM's when they are available.

For concentrations above 10 times the detection limit expected geochemical exploration sample precision is 15% for methods such as 1D and 1E. Ore grade expected precision is 7% at levels greater than 10 times the detection limit for methods such as 7AR and 7TD. Exact precision is method, element and standard quality dependent, so acceptance criteria for individual standard and method combinations are determined on a minimum of 30 replicates measured during the course of routine analyses at a single laboratory. It should be noted that the

expected precision for gold in methods such as Group 3 and Group 6 are difficult to predict due to the heterogeneous distribution of gold in many materials.

Client Field Replicates

Field replicate precision is a measure of the sampling process and natural variability within the sample media; they are not suited for determining analytical precision.

Client's Use of Blind or Hidden Internal Standards

Acme encourages and strongly recommends the use of blind client standards and we recognize that their use is an important component of project data evaluation and acceptance. It is Acme's policy to reanalyze any sample batch that contains a failed customer standard, free of charge, under the following conditions;

- The client supplies Acme with the certification documentation for the standard or proof of certification parameters such as, but not limited to; method of analysis, number of participating laboratories, range of data in the round robin.
- Standards must come from an accredited manufacturer such as CANMET, CDN Labs, Ore Research, Rocklabs or WCM. Certification criteria/method of analysis should be considered before determining if a standard is applicable to a method.
- The analytical result falls outside 3 standard deviations of a population of no less than 30 values determined using a single analytical method (good laboratory practice indicates that 1 value between 2 and 3 SD's is acceptable, while 2 consecutive values will call for reanalysis. In the above description, Acme refers to the standard deviation of values determined over the course of these minimum 30 routine analytical measurements at a single lab, and not the value quoted in the certification sheet for the standard. This definition includes error associated with both the analytical technique, as well as error in the certified value, and is therefore a robust measure of a CRMs performance under a particular set of analytical conditions. In addition, individual standard values that fall outside 3 standard deviations but still lie within the certified error of the material will not be considered to have failed QC validation and costs for requested repeat analyses will be borne by client.
- The failed standard is brought to our attention within 90 days of the initial reporting of the analytical results.

If the reanalysis of a batch or rack is requested by the client due to a Standard failure and the only analytical result that changes significantly is the result for the Standard, the client will be charged for the reanalysis of the rack or batch as this indicates heterogeneity of the Standard itself. In addition, if both samples AND standards are unchanged upon reanalysis, the client will bear the cost of said reanalysis.

Some additional considerations should be noted;

- Variability of a standard material is additive to the analytical method error. Therefore, a poorly prepared standard will increase the total standard deviation realized.
- Selection of an appropriate standard that is both mineralogically and compositionally similar to the samples it is to be analyzed with is of critical importance.
    - If the standard has a different matrix then it would not be unusual if the only sample failing the performance criteria is the standard itself.
    - If the standard has a concentration that is not in a useful concentration range, then unexpected results can occur. For instance, if the concentration of the standard is too high, the laboratory may consistently reanalyze this standard under the assumption that the result is highly anomalous and therefore requires another check. This will waste money and time.

Determination of Method Confidence Limits to be Used for Pass/Fail Criteria

When referring to the Standard Certificate, neither the 95% confidence interval nor the standard deviation quoted in the certificate should be used to calculate control limits or to fail a batch of samples. The 95% confidence interval (normally appearing on the front page of a certificate) is a measure of the certainty of the accuracy of the recommended value. It does not relate to the expected precision during routine use. In addition, it does not account for variations controlled by the limitations imposed by a particular digestion method.

The control limits used to determine the passing or failing of batch data should be calculated from the data that is generated by the laboratory itself (see section "Client use of Blind or Hidden Internal Standards" above for details). Each laboratory provides Standards analyzed with each batch, for this purpose.

Whenever possible, the client should discuss their quality program with the laboratory prior to the start of the project. In this way, any difference in interpretation may be discussed and agreed to in advance.

3.3 Software

The following is a list of software used in the field and writing of this report:

- Arc GIS 9.3
- Microsoft Office
- Pendragon Forms
- Open Office
- Adobe Acrobat 9

Appendix IV – Sample Locations and Descriptions

4.1 – Rock Samples
4.2 - Soil Samples
4.3 - Silt Samples

Appendix 4.1 - Rock Samples

Sample Number	Sample Year	Sample Date	Sample Type	Sample Purpose	Location Method	UTM E	UTM N	UTM ZONE	GPS Accurracy	Major Rock Type	Minor Rock Type	Colour Fresh	Colour Weathered	Grainsize	Texture	Description
AHGFR001	2012	17-Aug-12	FLOAT	ASSAY	GPS	554613	5440508	11N		Quartzite						quartzite or si altered rock with possible trace sulphides
AHGFR002	2012	17-Aug-12	GRAB	ASSAY	GPS	554728	5440472	11N		Sandstone						speckled med grained sandstone with minor sulphides, py?, hem?
AHGFR003	2012	15-Sep-12	GRAB	MARKER BED	GPS	558686.76	5439377.5	11N	1	Siltstone						
BKGFR001	2012	17-Jun-12	GRAB	MARKER BED	GPS	556873	5439394	11N	7	Siltstone			rusty		banded	
BKGFR002	2012	22-Jun-12	GRAB	DESCRIPTION	GPS	558756	5438570	11N								
BKGFR004	2012	22-Jun-12	GRAB	ASSAY	GPS	556997	5441266	11N	8	Volcanic		green	rusty	fine	veined	
CRGFR001	2012	12-May-12	GRAB	MARKER BED	GPS	556985.34	5439400.8	11N	1	Siltstone						Albite alteration?
CRGFR002	2012	13-May-12	GRAB	MARKER BED	GPS	558686.76	5439377.5	11N	1	Siltstone						
CRGFR003	2012	11-May-12	GRAB	ASSAY	GPS	557865	5441408	11N	12	Siltstone			rusty			Pyrite min
CRGFR004	2012	20-Jun-12	GRAB	MARKER BED	GPS	558540	5438175	11N		Siltstone		grey	rusty	fine-medium	banded	
CRGFR005	2012	20-Jun-12	GRAB	MARKER BED	GPS	556954	5440642	11N		Siltstone		dark grey	grey	fine	banded	
CRGFR006	2012	25-Jun-12	GRAB	ASSAY	GPS	557029	5437470	11N		Gabbro		green	dark grey	fine	intrusive	
CRGFR007	2012	25-Jun-12	GRAB	MARKER BED	GPS	557032	5440937	11N		Siltstone	Sandstone	greyish	rusty	fine-medium	sandy	
CRGFR008	2012	11-May-12	GRAB	ASSAY	GPS	557492	5435283	11N		Siltstone	Sandstone	dark grey	rusty	fine	sandy	Wx min
CRGFR009	2012	12-May-12	GRAB	MARKER BED	GPS	558639	5435098	11N	7	Siltstone		dark grey	grey	fine	gritty	Float on crop
CRGFR010	2012	12-May-12	GRAB	MARKER BED	GPS	558587	5435450	11N		Siltstone		dark grey	rusty	fine	banded	
CRGFR011	2012	12-May-12	GRAB	MARKER BED	GPS	558595	5435720	11N	8	Siltstone		dark grey	dark grey	fine	banded	
CRGFR012	2012	13-May-12	GRAB	MARKER BED	GPS	558639	5435309	11N	4	Siltstone		dark grey	rusty	fine	gritty	
CRGFR013	2012	12-May-12	GRAB	MARKER BED	GPS	558622	5435725	11N	6	Siltstone		dark grey	dark grey	fine	banded	
CRGFR014	2012	14-May-12	GRAB	MARKER BED	GPS	558829	5436089	11N	8	Siltstone		dark grey	rusty	fine	banded	
CRGFR015	2012	14-May-12	GRAB	MARKER BED	GPS	559022	5436001	11N		Siltstone		dark grey	rusty	fine	banded	
CRGFR016	2012	14-May-12	GRAB	MARKER BED	GPS	559164	5435908	11N	11	Siltstone		dark grey	rusty	fine	banded	
CRGFR017	2012	14-May-12	GRAB	MARKER BED	GPS	556257	5440780	11N	5	Siltstone	Sandstone	brownish	rusty	fine	sandy	
CRGFR018	2012	15-May-12	GRAB	ASSAY	GPS	560574	5439049	11N	5	Siltstone		greenish	greenish	fine	gritty	Chlorite alt?
CRGFR019	2012	15-May-12	GRAB	ASSAY	GPS	560466	5438911	11N	5	Siltstone		light grey	brownish	fine	banded	Dirty quartz. Illminite?
CRGFR020	2012	15-May-12	GRAB	ASSAY	GPS	560359	5438912	11N	5	Siltstone		grey green	dark grey	fine	gritty	Chlorite alt
CRGFR021	2012	16-May-12	float	ASSAY	GPS	557827	5438842	11N	12	Unknown		black	black	fine		Tourmalinite?
CRGFR022	2012	17-May-12	GRAB	MARKER BED	GPS	557895	5434013	11N	19	Siltstone		dark grey	rusty	fine	banded	
CRGFR023	2012	17-May-12	float	ASSAY	GPS	557438	5434258	11N	7	Unknown		black	black	very fine	clast within	Tour float
CRGFR024	2012	21-May-12	float	DESCRIPTION	GPS	557281	5436445	11N	19	Siltstone		dark grey	grey	fine	banded	
CRGFR025	2012	21-May-12	GRAB	MARKER BED	GPS	557523	5436190	11N	12	Siltstone		dark grey	rusty	fine	banded	
CRGFR026	2012	10-May-12	GRAB	DESCRIPTION	GPS	559201	5428307	11N	1	Sandstone	Siltstone	light grey	grey	fine	sandy	
CRGFR027	2012	10-May-12	GRAB	DESCRIPTION	GPS	558888	5428253	11N	1	Siltstone		light grey	grey	fine	sandy	Vein and envelope material
CRGFR028	2012	11-May-12	GRAB	MARKER BED	GPS	558646	5443189	11N	1	Siltstone		dark grey	grey	fine	banded	
CRGFR029	2012	12-May-12	GRAB	MARKER BED	GPS	557129	5438227	11N	9	Siltstone		dark grey	reddish	fine	banded	
CRGFR030	2012	12-May-12	GRAB	MARKER BED	GPS	557225	5438202	11N	14	Siltstone		dark grey	reddish	fine	banded	
CRGFR031	2012	14-May-12	GRAB	DESCRIPTION	GPS	560223	5435307	11N	8	Siltstone	Phyllite	grey	grey	fine	altered	Type
CRGFR032	2012	14-May-12	GRAB	DESCRIPTION	GPS	560232	5435650	11N	12	Siltstone		grey	grey	fine	banded	Interesting pseudo marker
CRGFR033	2012	16-May-12	float	DESCRIPTION	GPS	554606	5440535	11N	8	Siltstone	Sandstone	reddish	grey	fine	sandy	Near anomaly
CRGFR034	2012	16-May-12	float	ASSAY	GPS	554699	5440543	11N	8	Siltstone	Sandstone	light grey	light grey	fine	gritty	Outcrop above pb anomaly

Sample Number	Sample Year	Sample Date	Sample Type	Sample Purpose	Location Method	UTM E	UTM N	UTM ZONE	GPS Accurracy	Major Rock Type	Minor Rock Type	Colour Fresh	Colour Weathered	Grainsize	Texture	Description
CRGFR035	2012	17-May-12	GRAB	ASSAY	GPS	555153	5440659	11N	8	Siltstone		grey	rusty	fine	gritty	Outcrop above pb anomoly
CRGFR036	2012	17-May-12	GRAB	ASSAY	GPS	555212	5440665	11N	15	Sandstone	Siltstone	milky	grey	fine	sandy	Above pb anomoly
CRGFR037	2012	17-May-12	GRAB	ASSAY	GPS	558604	5438385	11N	15	Sandstone	Siltstone	grey	brownish	fine	sandy	Zn/pb anomoly
CRGFR038	2012	18-May-12	GRAB	MARKER BED	GPS	555624	5441945	11N	6	Siltstone		grey	grey	fine	banded	May be deformed
CRGFR039	2012	18-May-12	GRAB	MARKER BED	GPS	555552	5441903	11N		Siltstone		grey	grey	fine	banded	
CRGFR040	2012	18-May-12	GRAB	ASSAY	GPS	554708	5442153	11N	16	Breccia	Unknown	grey	rusty	grit	brecciated	Liitle pod of competent rubble
CRGFR041	2012	18-May-12	float	ASSAY	GPS	555231	5442084	11N	4	Breccia		dark grey	dark grey	fine-medium	brecciated	
CRGFR042	2012	18-May-12	GRAB	ASSAY	GPS	555265	5442054	11N	4	Siltstone		milky	rusty	fine	altered	
CRGFR043	2012	22-May-12	GRAB	MARKER BED	GPS	558587	5433574	11N	2	Siltstone		grey	rusty	fine	banded	

Appendix 4.2 - Soil Sample Descriptions

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
1A 0W	Mp-Am	1989	6/28/1989	MAP	558557	5442683	11N	
1A 100W	Qt-al	1989	6/28/1989	MAP	558466	5442685	11N	
1A 150W	Qt-al	1989	6/28/1989	NO SAMPLE	558405	5442674	11N	
1A 200W	Qt-al	1989	6/28/1989	MAP	558356	5442664	11N	
1A 250W	Qt-al	1989	6/28/1989	MAP	558305	5442665	11N	
1A 300W	Qt-al	1989	6/28/1989	MAP	558256	5442666	11N	
1A 350W	Qt-al	1989	6/28/1989	MAP	558205	5442664	11N	
1A 400W	Qt-al	1989	6/28/1989	MAP	558156	5442664	11N	
1A 50W	Mp-Am	1989	6/28/1989	MAP	558514	5442683	11N	
1B 0W	Mp-Am	1989	6/28/1989	MAP	558631	5442784	11N	
1B 100W	Mp-Am	1989	6/28/1989	MAP	558536	5442786	11N	
1B 150W	Mp-Am	1989	6/28/1989	MAP	558487	5442787	11N	
1B 200W	Mp-Am	1989	6/28/1989	MAP	558436	5442785	11N	
1B 250W	Qt-al	1989	6/28/1989	MAP	558385	5442785	11N	
1B 300W	Qt-al	1989	6/28/1989	MAP	558333	5442787	11N	
1B 350W	Qt-al	1989	6/28/1989	MAP	558282	5442787	11N	
1B 400W	Qt-al	1989	6/28/1989	MAP	558131	5442788	11N	
1B 450W	Qt-al	1989	6/28/1989	MAP	558087	5442789	11N	
1B 500W	Qt-al	1989	6/28/1989	MAP	558033	5442789	11N	
1B 50W	Mp-Am	1989	6/28/1989	MAP	558587	5442784	11N	
1B 550W	Qt-al	1989	6/28/1989	MAP	557987	5442789	11N	
1B 600W	Qt-al	1989	6/28/1989	MAP	557936	5442790	11N	
1B 650W	Qt-al	1989	6/28/1989	MAP	557884	5442789	11N	
1C 0W	Mp-Am	1989	6/28/1989	MAP	558584	5442884	11N	
1C 100W	Mp-Am	1989	6/28/1989	MAP	558487	5442885	11N	
1C 150W	Mp-Am	1989	6/28/1989	MAP	558436	5442884	11N	
1C 200W	Mp-Am	1989	6/28/1989	MAP	558387	5442885	11N	
1C 250W	Mp-Am	1989	6/28/1989	MAP	558338	5442885	11N	
1C 300W	Mp-Am	1989	6/28/1989	MAP	558283	5442885	11N	
1C 350W	Qt-al	1989	6/28/1989	MAP	558239	5442886	11N	
1C 400W	Qt-al	1989	6/28/1989	MAP	558195	5442887	11N	
1C 450W	Qt-al	1989	6/28/1989	MAP	558138	5442887	11N	
1C 500W	Qt-al	1989	6/28/1989	MAP	558088	5442888	11N	
1C 50W	Mp-Am	1989	6/28/1989	MAP	558535	5442884	11N	
1C 550W	Qt-al	1989	6/28/1989	NO SAMPLE	558000	5442876	11N	
1C 600W	Qt-al	1989	6/28/1989	MAP	557926	5442866	11N	
1C 650W	Qt-al	1989	6/28/1989	MAP	557878	5442866	11N	
1C 700W	Qt-al	1989	6/28/1989	MAP	557828	5442866	11N	
1C 750W	Qt-al	1989	6/28/1989	MAP	557775	5442866	11N	
1C 800W	Qt-al	1989	6/28/1989	MAP	557728	5442866	11N	
1C 850W	Qt-al	1989	6/28/1989	MAP	557678	5442865	11N	
1D 1000W	Qt-al	1989	6/28/1989	MAP	557834	5443034	11N	
1D 650W	Mp-Am	1989	6/28/1989	MAP	558188	5443026	11N	
1D 700W	Mp-Am	1989	6/28/1989	NO SAMPLE	558138	5443027	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
1D 750W	Qt-al	1989	6/28/1989	MAP	558088	5443028	11N	
1D 800W	Qt-al	1989	6/28/1989	MAP	558035	5443029	11N	
1D 850W	Qt-al	1989	6/28/1989	MAP	557987	5443030	11N	
1D 900W	Qt-al	1989	6/28/1989	MAP	557933	5443032	11N	
1D 950W	Qt-al	1989	6/28/1989	NO SAMPLE	557884	5443033	11N	
1E 1000W	Qt-al	1989	6/28/1989	MAP	557759	5443135	11N	
1E 1050W	Qt-al	1989	6/28/1989	MAP	557711	5443137	11N	
1E 1100W	Qt-al	1989	6/28/1989	MAP	557658	5443135	11N	
1E 1150W	Qt-al	1989	6/28/1989	NO SAMPLE	557603	5443136	11N	
1E 1200W	Qt-al	1989	6/28/1989	MAP	557553	5443135	11N	
1E 1250W	Qt-al	1989	6/28/1989	MAP	557506	5443135	11N	
1E 1300W	Qt-al	1989	6/28/1989	MAP	557453	5443135	11N	
1E 700W	Mp-Am	1989	6/28/1989	MAP	558057	5443133	11N	
1E 750W	Mp-Am	1989	6/28/1989	MAP	558007	5443133	11N	
1E 800W	Mp-Am	1989	6/28/1989	MAP	557958	5443134	11N	
1E 850W	Qt-al	1989	6/28/1989	MAP	557906	5443134	11N	
1E 900W	Qt-al	1989	6/28/1989	MAP	557857	5443135	11N	
1E 950W	Qt-al	1989	6/28/1989	MAP	557808	5443135	11N	
1F 1000W	Qt-al	1989	6/28/1989	MAP	557713	5443237	11N	
1F 1050W	Qt-al	1989	6/28/1989	MAP	557664	5443239	11N	
1F 1100W	Qt-al	1989	6/28/1989	MAP	557618	5443238	11N	
1F 1150W	Qt-al	1989	6/28/1989	MAP	557567	5443238	11N	
1F 1200W	Qt-al	1989	6/28/1989	MAP	557517	5443238	11N	
1F 1250W	Qt-al	1989	6/28/1989	MAP	557464	5443237	11N	
1F 1300W	Qt-al	1989	6/28/1989	NO SAMPLE	557385	5443239	11N	
1F 1350W	Qt-al	1989	6/28/1989	NO SAMPLE	557293	5443244	11N	
1F 1400W	Qt-al	1989	6/28/1989	MAP	557208	5443248	11N	
1F 1450W	Qt-al	1989	6/28/1989	MAP	557158	5443249	11N	
1F 1500W	Qt-al	1989	6/28/1989	MAP	557106	5443249	11N	
1F 1550W	Qt-al	1989	6/28/1989	MAP	557055	5443251	11N	
1F 750W	Mp-Am	1989	6/28/1989	MAP	557963	5443237	11N	
1F 800W	Mp-Am	1989	6/28/1989	NO SAMPLE	557920	5443237	11N	
1F 850W	Mp-Am	1989	6/28/1989	MAP	557863	5443238	11N	
1F 900W	Mp-Am	1989	6/28/1989	MAP	557813	5443238	11N	
1F 950W	Mp-Am	1989	6/28/1989	MAP	557763	5443238	11N	
1G 1000W	Mp-Am	1989	6/28/1989	MAP	557705	5443348	11N	
1G 1050W	Mp-Am	1989	6/28/1989	MAP	557653	5443349	11N	
1G 1100W	Mp-M	1989	6/28/1989	NO SAMPLE	557602	5443350	11N	
1G 1150W	Qt-al	1989	6/28/1989	NO SAMPLE	557557	5443350	11N	
1G 1200W	Qt-al	1989	6/28/1989	MAP	557511	5443349	11N	
1G 1250W	Qt-al	1989	6/28/1989	MAP	557460	5443350	11N	
1G 1300W	Qt-al	1989	6/28/1989	MAP	557409	5443350	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
1G 1350W	Qt-al	1989	6/28/1989	MAP	557359	5443350	11N	
1G 1400W	Qt-al	1989	6/28/1989	MAP	557307	5443351	11N	
1G 700W	Mp-Am	1989	6/28/1989	MAP	558017	5443346	11N	
1G 750W	Mp-Am	1989	6/28/1989	MAP	557962	5443348	11N	
1G 800W	Mp-Am	1989	6/28/1989	MAP	557915	5443347	11N	
1G 850W	Mp-Am	1989	6/28/1989	NO SAMPLE	557860	5443346	11N	
1G 900W	Mp-Am	1989	6/28/1989	MAP	557812	5443348	11N	
1G 950W	Mp-Am	1989	6/28/1989	MAP	557759	5443348	11N	
1H 1000W	Mp-M	1989	6/28/1989	MAP	557560	5443440	11N	
1H 1050W	Mp-M	1989	6/28/1989	MAP	557514	5443440	11N	
1H 1100W	Mp-Am	1989	6/28/1989	MAP	557459	5443441	11N	
1H 1150W	Qt-al	1989	6/28/1989	MAP	557407	5443441	11N	
1H 1200W	Qt-al	1989	6/28/1989	MAP	557358	5443443	11N	
1H 1250W	Qt-al	1989	6/28/1989	MAP	557308	5443443	11N	
1H 1300W	Qt-al	1989	6/28/1989	MAP	557260	5443443	11N	
1H 1350W	Qt-al	1989	6/28/1989	MAP	557207	5443444	11N	
1H 1400W	Qt-al	1989	6/28/1989	MAP	557157	5443444	11N	
1H 1450W	Qt-al	1989	6/28/1989	MAP	557108	5443444	11N	
1H 1500W	Qt-al	1989	6/28/1989	NO SAMPLE	557077	5443445	11N	
1H 1550W	Qt-al	1989	6/28/1989	NO SAMPLE	557038	5443445	11N	
1H 1600W	Qt-al	1989	6/28/1989	MAP	557005	5443444	11N	
1H 1650W	Qt-al	1989	6/28/1989	MAP	556958	5443445	11N	
1H 1700W	Qt-al	1989	6/28/1989	MAP	556910	5443446	11N	
1H 1750W	Qt-al	1989	6/28/1989	MAP	556860	5443445	11N	
1H 1800W	Qt-al	1989	6/28/1989	MAP	556810	5443446	11N	
1H 1850W	Qt-al	1989	6/28/1989	MAP	556760	5443447	11N	
1H 1900W	Qt-al	1989	6/28/1989	MAP	556712	5443446	11N	
1H 1950W	Qt-al	1989	6/28/1989	MAP	556663	5443448	11N	
1H 2000W	Qt-al	1989	6/28/1989	MAP	556615	5443447	11N	
1H 650W	Mp-Am	1989	6/28/1989	MAP	557912	5443438	11N	
1H 700W	Mp-Am	1989	6/28/1989	MAP	557859	5443438	11N	
1H 750W	Mp-Am	1989	6/28/1989	MAP	557806	5443440	11N	
1H 800W	Mp-Am	1989	6/28/1989	MAP	557754	5443439	11N	
1H 850W	Mp-Am	1989	6/28/1989	MAP	557705	5443440	11N	
1H 900W	Mp-Am	1989	6/28/1989	MAP	557656	5443440	11N	
1H 950W	Mp-Am	1989	6/28/1989	MAP	557608	5443440	11N	
1I 0W	Mp-Am	1989	6/28/1989	MAP	558567	5443514	11N	
1I 1000W	Mp-Am	1989	6/28/1989	MAP	557571	5443531	11N	
1I 100W	Mp-Am	1989	6/28/1989	MAP	558449	5443516	11N	
1I 1050W	Mp-M	1989	6/28/1989	NO SAMPLE	557505	5443532	11N	
1I 1100W	Mp-M	1989	6/28/1989	MAP	557448	5443533	11N	
1I 1150W	Mp-Am	1989	6/28/1989	MAP	557407	5443534	11N	
1I 1200W	Mp-Am	1989	6/28/1989	MAP	557357	5443535	11N	
1I 1250W	Mp-Am	1989	6/28/1989	MAP	557304	5443536	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
1I 1300W	Qt-al	1989	6/28/1989	MAP	557258	5443537	11N	
1I 1350W	Qt-al	1989	6/28/1989	MAP	557210	5443538	11N	
1I 1400W	Qt-al	1989	6/28/1989	MAP	557157	5443538	11N	
1I 1450W	Qt-al	1989	6/28/1989	MAP	557107	5443539	11N	
1I 1500W	Qt-al	1989	6/28/1989	MAP	557057	5443540	11N	
1I 150W	Mp-Am	1989	6/28/1989	MAP	558401	5443517	11N	
1I 1550W	Qt-al	1989	6/28/1989	MAP	557013	5443541	11N	
1I 1600W	Qt-al	1989	6/28/1989	MAP	556963	5443541	11N	
1I 1650W	Qt-al	1989	6/28/1989	NO SAMPLE	556914	5443543	11N	
1I 1700W	Qt-al	1989	6/28/1989	NO SAMPLE	556864	5443542	11N	
1I 1750W	Qt-al	1989	6/28/1989	MAP	556821	5443539	11N	
1I 1800W	Qt-al	1989	6/28/1989	MAP	556771	5443542	11N	
1I 1850W	Qt-al	1989	6/28/1989	MAP	556723	5443543	11N	
1I 1900W	Qt-al	1989	6/28/1989	MAP	556674	5443544	11N	
1I 1950W	Qt-al	1989	6/28/1989	MAP	556626	5443545	11N	
1I 2000W	Qt-al	1989	6/28/1989	MAP	556576	5443547	11N	
1I 200W	Mp-Am	1989	6/28/1989	MAP	558352	5443518	11N	
1I 250W	Mp-Am	1989	6/28/1989	MAP	558306	5443518	11N	
1I 300W	Mp-Am	1989	6/28/1989	MAP	558253	5443520	11N	
1I 350W	Mp-Am	1989	6/28/1989	MAP	558206	5443520	11N	
1I 400W	Mp-Am	1989	6/28/1989	MAP	558151	5443522	11N	
1I 450W	Mp-Am	1989	6/28/1989	MAP	558104	5443523	11N	
1I 500W	Mp-Am	1989	6/28/1989	MAP	558056	5443524	11N	
1I 50W	Mp-Am	1989	6/28/1989	MAP	558502	5443515	11N	
1I 550W	Mp-Am	1989	6/28/1989	NO SAMPLE	558004	5443524	11N	
1I 600W	Mp-Am	1989	6/28/1989	MAP	557954	5443524	11N	
1I 650W	Mp-Am	1989	6/28/1989	MAP	557905	5443525	11N	
1I 700W	Mp-Am	1989	6/28/1989	MAP	557862	5443526	11N	
1I 750W	Mp-Am	1989	6/28/1989	MAP	557803	5443527	11N	
1I 800W	Mp-Am	1989	6/28/1989	MAP	557757	5443528	11N	
1I 850W	Mp-Am	1989	6/28/1989	MAP	557709	5443529	11N	
1I 900W	Mp-Am	1989	6/28/1989	MAP	557660	5443530	11N	
1I 950W	Mp-Am	1989	6/28/1989	MAP	557618	5443530	11N	
1J 0W	Mp-Am	1989	6/28/1989	MAP	558535	5443570	11N	
1J 1000W	Mp-Am	1989	6/28/1989	MAP	557550	5443602	11N	
1J 100W	Mp-Am	1989	6/28/1989	MAP	558446	5443573	11N	
1J 1050W	Mp-Am	1989	6/28/1989	MAP	557500	5443603	11N	
1J 1100W	Mp-M	1989	6/28/1989	MAP	557450	5443604	11N	
1J 1150W	Mp-M	1989	6/28/1989	MAP	557398	5443607	11N	
1J 1200W	Mp-Am	1989	6/28/1989	MAP	557351	5443607	11N	
1J 1250W	Mp-Am	1989	6/28/1989	MAP	557299	5443610	11N	
1J 1300W	Mp-Am	1989	6/28/1989	MAP	557248	5443611	11N	
1J 1350W	Mp-Am	1989	6/28/1989	MAP	557200	5443613	11N	
1J 1400W	Qt-al	1989	6/28/1989	MAP	557153	5443614	11N	
1J 1450W	Qt-al	1989	6/28/1989	MAP	557103	5443616	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
1J 1500W	Qt-al	1989	6/28/1989	MAP	557055	5443618	11N	
1J 150W	Mp-Am	1989	6/28/1989	MAP	558397	5443574	11N	
1J 1550W	Qt-al	1989	6/28/1989	MAP	557001	5443620	11N	
1J 1600W	Qt-al	1989	6/28/1989	MAP	556949	5443621	11N	
1J 1650W	Qt-al	1989	6/28/1989	MAP	556903	5443623	11N	
1J 1700W	Qt-al	1989	6/28/1989	MAP	556854	5443625	11N	
1J 1750W	Qt-al	1989	6/28/1989	MAP	556804	5443626	11N	
1J 1800W	Qt-al	1989	6/28/1989	MAP	556761	5443627	11N	
1J 200W	Mp-Am	1989	6/28/1989	MAP	558349	5443576	11N	
1J 250W	Mp-Am	1989	6/28/1989	MAP	558299	5443577	11N	
1J 300W	Mp-Am	1989	6/28/1989	MAP	558248	5443579	11N	
1J 350W	Mp-Am	1989	6/28/1989	MAP	558197	5443581	11N	
1J 400W	Mp-Am	1989	6/28/1989	MAP	558148	5443582	11N	
1J 450W	Mp-Am	1989	6/28/1989	MAP	558101	5443584	11N	
1J 500W	Mp-Am	1989	6/28/1989	MAP	558048	5443586	11N	
1J 50W	Mp-Am	1989	6/28/1989	MAP	558495	5443572	11N	
1J 550W	Mp-Am	1989	6/28/1989	MAP	557994	5443588	11N	
1J 600W	Mp-Am	1989	6/28/1989	MAP	557949	5443589	11N	
1J 650W	Mp-Am	1989	6/28/1989	MAP	557896	5443591	11N	
1J 700W	Mp-Am	1989	6/28/1989	MAP	557851	5443593	11N	
1J 750W	Mp-Am	1989	6/28/1989	MAP	557798	5443594	11N	
1J 800W	Mp-Am	1989	6/28/1989	MAP	557747	5443596	11N	
1J 850W	Mp-Am	1989	6/28/1989	MAP	557700	5443597	11N	
1J 900W	Mp-Am	1989	6/28/1989	MAP	557648	5443599	11N	
1J 950W	Mp-Am	1989	6/28/1989	MAP	557598	5443601	11N	
1K 0W	Mp-Am	1989	6/28/1989	MAP	558531	5443660	11N	
1K 1000W	Mp-Am	1989	6/28/1989	MAP	557537	5443695	11N	
1K 100W	Mp-Am	1989	6/28/1989	MAP	558433	5443663	11N	
1K 1050W	Mp-Am	1989	6/28/1989	MAP	557487	5443697	11N	
1K 1100W	Mp-Am	1989	6/28/1989	MAP	557438	5443699	11N	
1K 1150W	Mp-M	1989	6/28/1989	MAP	557387	5443701	11N	
1K 1200W	Mp-Am	1989	6/28/1989	MAP	557339	5443703	11N	
1K 1250W	Mp-Am	1989	6/28/1989	MAP	557289	5443704	11N	
1K 1300W	Mp-Am	1989	6/28/1989	MAP	557239	5443706	11N	
1K 1350W	Mp-Am	1989	6/28/1989	MAP	557188	5443707	11N	
1K 1400W	Mp-Am	1989	6/28/1989	MAP	557139	5443709	11N	
1K 1450W	Mp-Am	1989	6/28/1989	MAP	557089	5443712	11N	
1K 1500W	Qt-al	1989	6/28/1989	MAP	557038	5443714	11N	
1K 150W	Mp-Am	1989	6/28/1989	MAP	558386	5443664	11N	
1K 1550W	Qt-al	1989	6/28/1989	MAP	556991	5443716	11N	
1K 1600W	Qt-al	1989	6/28/1989	MAP	556938	5443718	11N	
1K 1650W	Qt-al	1989	6/28/1989	MAP	556889	5443720	11N	
1K 1700W	Qt-al	1989	6/28/1989	MAP	556841	5443722	11N	
1K 1750W	Qt-al	1989	6/28/1989	MAP	556790	5443724	11N	
1K 1800W	Qt-al	1989	6/28/1989	MAP	556755	5443725	11N	
1K 1850W	Qt-al	1989	6/28/1989	MAP	556702	5443726	11N	
1K 1900W	Qt-al	1989	6/28/1989	MAP	556641	5443727	11N	

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1K 1950W	Qt-al	1989	6/28/1989	NO SAMPLE	556590	5443728	11N	
1K 2000W	Qt-al	1989	6/28/1989	MAP	556538	5443729	11N	
1K 200W	Mp-Am	1989	6/28/1989	NO SAMPLE	558335	5443666	11N	
1K 2050W	Qt-al	1989	6/28/1989	NO SAMPLE	556480	5443730	11N	
1K 2100W	Qt-al	1989	6/28/1989	MAP	556427	5443731	11N	
1K 2150W	Qt-al	1989	6/28/1989	MAP	556380	5443732	11N	
1K 250W	Mp-Am	1989	6/28/1989	MAP	558286	5443668	11N	
1K 300W	Mp-Am	1989	6/28/1989	MAP	558232	5443671	11N	
1K 350W	Mp-Am	1989	6/28/1989	MAP	558184	5443672	11N	
1K 400W	Mp-Am	1989	6/28/1989	MAP	558137	5443674	11N	
1K 450W	Mp-Am	1989	6/28/1989	MAP	558086	5443676	11N	
1K 500W	Mp-Am	1989	6/28/1989	MAP	558037	5443678	11N	
1K 50W	Mp-Am	1989	6/28/1989	MAP	558482	5443662	11N	
1K 550W	Mp-Am	1989	6/28/1989	MAP	557988	5443679	11N	
1K 600W	Mp-Am	1989	6/28/1989	MAP	557936	5443681	11N	
1K 650W	Mp-Am	1989	6/28/1989	MAP	557888	5443683	11N	
1K 700W	Mp-Am	1989	6/28/1989	MAP	557837	5443685	11N	
1K 750W	Mp-Am	1989	6/28/1989	MAP	557787	5443686	11N	
1K 800W	Mp-Am	1989	6/28/1989	MAP	557736	5443688	11N	
1K 850W	Mp-Am	1989	6/28/1989	MAP	557689	5443689	11N	
1K 900W	Mp-Am	1989	6/28/1989	MAP	557637	5443692	11N	
1K 950W	Mp-Am	1989	6/28/1989	MAP	557587	5443693	11N	
1L 0W	Mp-Am	1989	6/28/1989	MAP	558456	5443791	11N	
1L 1000W	Mp-Am	1989	6/28/1989	MAP	557409	5443813	11N	
1L 100W	Qt-al	1989	6/28/1989	MAP	556268	5443837	11N	
1L 1050W	Mp-Am	1989	6/28/1989	MAP	557460	5443812	11N	
1L 1100W	Mp-Am	1989	6/28/1989	MAP	557512	5443811	11N	
1L 1150W	Mp-Am	1989	6/28/1989	MAP	557562	5443809	11N	
1L 1200W	Mp-Am	1989	6/28/1989	MAP	557609	5443809	11N	
1L 1250W	Mp-Am	1989	6/28/1989	MAP	557658	5443807	11N	
1L 1300W	Mp-Am	1989	6/28/1989	MAP	557711	5443806	11N	
1L 1350W	Mp-Am	1989	6/28/1989	MAP	557758	5443806	11N	
1L 1400W	Mp-Am	1989	6/28/1989	MAP	557813	5443804	11N	
1L 1450W	Mp-Am	1989	6/28/1989	MAP	557861	5443803	11N	
1L 1500W	Mp-Am	1989	6/28/1989	MAP	557907	5443802	11N	
1L 150W	Qt-al	1989	6/28/1989	MAP	556456	5443834	11N	
1L 1550W	Mp-Am	1989	6/28/1989	MAP	557956	5443801	11N	
1L 1600W	Mp-Am	1989	6/28/1989	MAP	558006	5443800	11N	
1L 1650W	Mp-Am	1989	6/28/1989	MAP	558055	5443799	11N	
1L 1700W	Mp-Am	1989	6/28/1989	MAP	558105	5443798	11N	
1L 1750W	Mp-Am	1989	6/28/1989	MAP	558203	5443796	11N	
1L 1800W	Mp-Am	1989	6/28/1989	MAP	558255	5443795	11N	
1L 1850W	Mp-Am	1989	6/28/1989	MAP	558304	5443794	11N	
1L 1900W	Mp-Am	1989	6/28/1989	MAP	558357	5443793	11N	
1L 1950W	Mp-Am	1989	6/28/1989	MAP	558412	5443792	11N	

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1L 2000W	Qt-al	1989	6/28/1989	MAP	556487	5443833	11N	
1L 200W	Qt-al	1989	6/28/1989	MAP	556559	5443832	11N	
1L 2050W	Qt-al	1989	6/28/1989	MAP	556415	5443835	11N	
1L 2100W	Qt-al	1989	6/28/1989	MAP	556368	5443836	11N	
1L 2150W	Qt-al	1989	6/28/1989	MAP	556318	5443837	11N	
1L 250W	Qt-al	1989	6/28/1989	MAP	556644	5443830	11N	
1L 300W	Qt-al	1989	6/28/1989	MAP	556706	5443828	11N	
1L 350W	Qt-al	1989	6/28/1989	NO SAMPLE	556762	5443827	11N	
1L 400W	Qt-al	1989	6/28/1989	MAP	556813	5443826	11N	
1L 450W	Qt-al	1989	6/28/1989	MAP	556861	5443824	11N	
1L 500W	Qt-al	1989	6/28/1989	MAP	556917	5443824	11N	
1L 50W	Mp-Am	1989	6/28/1989	MAP	558151	5443797	11N	
1L 550W	Qt-al	1989	6/28/1989	MAP	556962	5443823	11N	
1L 600W	Qt-al	1989	6/28/1989	MAP	557014	5443822	11N	
1L 650W	Mp-Am	1989	6/28/1989	MAP	557061	5443820	11N	
1L 700W	Mp-Am	1989	6/28/1989	MAP	557111	5443819	11N	
1L 750W	Mp-Am	1989	6/28/1989	MAP	557162	5443819	11N	
1L 800W	Mp-Am	1989	6/28/1989	MAP	557262	5443816	11N	
1L 850W	Mp-Am	1989	6/28/1989	NO SAMPLE	557213	5443818	11N	
1L 900W	Mp-M	1989	6/28/1989	MAP	557311	5443815	11N	
1L 950W	Mp-M	1989	6/28/1989	MAP	557360	5443814	11N	
1M 0W	Mp-Am	1989	6/28/1989	MAP	558513	5443906	11N	
1M 1000W	Mp-Am	1989	6/28/1989	MAP	557523	5443919	11N	
1M 100W	Mp-Am	1989	6/28/1989	MAP	558414	5443908	11N	
1M 1050W	Mp-Am	1989	6/28/1989	MAP	557473	5443920	11N	
1M 1100W	Mp-Am	1989	6/28/1989	MAP	557423	5443920	11N	
1M 1150W	Mp-Am	1989	6/28/1989	MAP	557374	5443921	11N	
1M 1200W	Mp-Am	1989	6/28/1989	MAP	557324	5443922	11N	
1M 1250W	Mp-M	1989	6/28/1989	MAP	557275	5443922	11N	
1M 1300W	Mp-Am	1989	6/28/1989	MAP	557225	5443923	11N	
1M 1350W	Mp-Am	1989	6/28/1989	MAP	557176	5443923	11N	
1M 1400W	Mp-Am	1989	6/28/1989	MAP	557126	5443924	11N	
1M 1450W	Mp-Am	1989	6/28/1989	MAP	557077	5443925	11N	
1M 1500W	Mp-Am	1989	6/28/1989	MAP	557027	5443925	11N	
1M 150W	Mp-Am	1989	6/28/1989	MAP	558364	5443908	11N	
1M 1550W	Mp-Am	1989	6/28/1989	MAP	556978	5443926	11N	
1M 1600W	Mp-Am	1989	6/28/1989	MAP	556928	5443927	11N	
1M 1650W	Mp-Am	1989	6/28/1989	MAP	556879	5443927	11N	
1M 1700W	Qt-al	1989	6/28/1989	MAP	556829	5443928	11N	
1M 1750W	Qt-al	1989	6/28/1989	MAP	556780	5443929	11N	
1M 1800W	Qt-al	1989	6/28/1989	MAP	556730	5443929	11N	
1M 1850W	Qt-al	1989	6/28/1989	MAP	556681	5443930	11N	
1M 1900W	Qt-al	1989	6/28/1989	MAP	556631	5443930	11N	
1M 1950W	Qt-al	1989	6/28/1989	MAP	556581	5443931	11N	
1M 2000W	Qt-al	1989	6/28/1989	MAP	556532	5443932	11N	
1M 200W	Mp-Am	1989	6/28/1989	MAP	558315	5443909	11N	

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1M 2050W	Qt-al	1989	6/28/1989	MAP	556482	5443932	11N	
1M 2100W	Qt-al	1989	6/28/1989	MAP	556433	5443933	11N	
1M 2150W	Qt-al	1989	6/28/1989	MAP	556383	5443934	11N	
1M 250W	Mp-Am	1989	6/28/1989	MAP	558265	5443909	11N	
1M 300W	Mp-Am	1989	6/28/1989	MAP	558216	5443910	11N	
1M 350W	Mp-Am	1989	6/28/1989	MAP	558166	5443911	11N	
1M 400W	Mp-Am	1989	6/28/1989	MAP	558117	5443911	11N	
1M 450W	Mp-Am	1989	6/28/1989	MAP	558067	5443912	11N	
1M 500W	Mp-Am	1989	6/28/1989	MAP	558018	5443913	11N	
1M 50W	Mp-Am	1989	6/28/1989	MAP	558464	5443907	11N	
1M 550W	Mp-Am	1989	6/28/1989	MAP	557968	5443913	11N	
1M 600W	Mp-Am	1989	6/28/1989	MAP	557919	5443914	11N	
1M 650W	Mp-Am	1989	6/28/1989	MAP	557869	5443915	11N	
1M 700W	Mp-Am	1989	6/28/1989	MAP	557820	5443915	11N	
1M 750W	Mp-Am	1989	6/28/1989	MAP	557770	5443916	11N	
1M 800W	Mp-Am	1989	6/28/1989	MAP	557721	5443916	11N	
1M 850W	Mp-Am	1989	6/28/1989	MAP	557671	5443917	11N	
1M 900W	Mp-Am	1989	6/28/1989	MAP	557622	5443918	11N	
1M 950W	Mp-Am	1989	6/28/1989	MAP	557572	5443918	11N	
2A 0W	Mp-Am	1989	1/11/1989	MAP	559144.68	5439796.32	11N	
2A 1000W	Mp-Am	1989	1/11/1989	MAP	558167.78	5439582.63	11N	
2A 100W	Mp-Am	1989	1/11/1989	MAP	559046.99	5439774.95	11N	
2A 1050W	Mp-Am	1989	1/11/1989	MAP	558118.93	5439571.95	11N	
2A 1100W	Mp-Am	1989	1/11/1989	MAP	558070.09	5439561.26	11N	
2A 1150W	Mp-Am	1989	1/11/1989	MAP	558021.24	5439550.58	11N	
2A 1200W	Mp-Am	1989	1/11/1989	MAP	557972.4	5439539.9	11N	
2A 1250W	Mp-Am	1989	1/11/1989	MAP	557923.55	5439529.21	11N	
2A 1300W	Mp-Am	1989	1/11/1989	MAP	557874.71	5439518.53	11N	
2A 1350W	Mp-Am	1989	1/11/1989	MAP	557825.86	5439507.84	11N	
2A 1400W	Mp-Am	1989	1/11/1989	MAP	557777.02	5439497.16	11N	
2A 150W	Mp-Am	1989	1/11/1989	MAP	558998.15	5439764.26	11N	
2A 200W	Mp-Am	1989	1/11/1989	MAP	558949.3	5439753.58	11N	
2A 250W	Mp-Am	1989	1/11/1989	MAP	558900.46	5439742.9	11N	
2A 300W	Mp-Am	1989	1/11/1989	MAP	558851.61	5439732.21	11N	
2A 350W	Mp-Am	1989	1/11/1989	MAP	558802.76	5439721.53	11N	
2A 400W	Mp-Am	1989	1/11/1989	MAP	558753.92	5439710.84	11N	
2A 450W	Mp-Am	1989	1/11/1989	MAP	558705.07	5439700.16	11N	
2A 500W	Mp-Am	1989	1/11/1989	MAP	558656.23	5439689.47	11N	
2A 50W	Mp-Am	1989	1/11/1989	MAP	559095.84	5439785.63	11N	
2A 550W	Mp-Am	1989	1/11/1989	MAP	558607.38	5439678.79	11N	
2A 600W	Mp-Am	1989	1/11/1989	MAP	558558.54	5439668.11	11N	
2A 650W	Mp-Am	1989	1/11/1989	MAP	558509.69	5439657.42	11N	
2A 700W	Mp-Am	1989	1/11/1989	MAP	558460.85	5439646.74	11N	
2A 750W	Mp-Am	1989	1/11/1989	MAP	558412	5439636.05	11N	
2A 800W	Mp-Am	1989	1/11/1989	MAP	558363.16	5439625.37	11N	
2A 850W	Mp-Am	1989	1/11/1989	MAP	558314.31	5439614.68	11N	
2A 900W	Mp-Am	1989	1/11/1989	MAP	558265.47	5439604	11N	

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2A 950W	Mp-Am	1989	1/11/1989	MAP	558216.62	5439593.32	11N	
2B 0W	Mp-Am	1989	1/11/1989	MAP	559126	5439889.84	11N	
2B 1000W	Mp-Am	1989	1/11/1989	MAP	558146.99	5439686.02	11N	
2B 100W	Mp-Am	1989	1/11/1989	MAP	559028.1	5439869.46	11N	
2B 1050W	Mp-Am	1989	1/11/1989	MAP	558098.04	5439675.83	11N	
2B 1100W	Mp-Am	1989	1/11/1989	MAP	558049.09	5439665.64	11N	
2B 1150W	Mp-Am	1989	1/11/1989	MAP	558000.14	5439655.45	11N	
2B 1200W	Mp-M	1989	1/11/1989	MAP	557951.19	5439645.25	11N	
2B 1250W	Mp-Am	1989	1/11/1989	MAP	557902.24	5439635.06	11N	
2B 1300W	Mp-Am	1989	1/11/1989	MAP	557853.29	5439624.87	11N	
2B 1350W	Mp-Am	1989	1/11/1989	MAP	557804.34	5439614.68	11N	
2B 1400W	Mp-Am	1989	1/11/1989	MAP	557755.38	5439604.49	11N	
2B 150W	Mp-Am	1989	1/11/1989	MAP	558979.14	5439859.27	11N	
2B 200W	Mp-Am	1989	1/11/1989	MAP	558930.19	5439849.08	11N	
2B 250W	Mp-Am	1989	1/11/1989	MAP	558881.24	5439838.88	11N	
2B 300W	Mp-Am	1989	1/11/1989	MAP	558832.29	5439828.69	11N	
2B 350W	Mp-Am	1989	1/11/1989	MAP	558783.34	5439818.5	11N	
2B 400W	Mp-Am	1989	1/11/1989	MAP	558734.39	5439808.31	11N	
2B 450W	Mp-Am	1989	1/11/1989	MAP	558685.44	5439798.12	11N	
2B 500W	Mp-Am	1989	1/11/1989	MAP	558636.49	5439787.93	11N	
2B 50W	Mp-Am	1989	1/11/1989	MAP	559077.05	5439879.65	11N	
2B 550W	Mp-Am	1989	1/11/1989	MAP	558587.54	5439777.74	11N	
2B 600W	Mp-Am	1989	1/11/1989	MAP	558538.59	5439767.55	11N	
2B 650W	Mp-Am	1989	1/11/1989	MAP	558489.64	5439757.36	11N	
2B 700W	Mp-Am	1989	1/11/1989	MAP	558440.69	5439747.16	11N	
2B 750W	Mp-Am	1989	1/11/1989	MAP	558391.74	5439736.97	11N	
2B 800W	Mp-Am	1989	1/11/1989	MAP	558342.79	5439726.78	11N	
2B 850W	Mp-Am	1989	1/11/1989	MAP	558293.84	5439716.59	11N	
2B 900W	Mp-Am	1989	1/11/1989	MAP	558244.89	5439706.4	11N	
2B 950W	Mp-Am	1989	1/11/1989	MAP	558195.94	5439696.21	11N	
2C 0W	Mp-Am	1989	1/11/1989	MAP	559108.41	5439991.26	11N	
2C 1000W	Mp-Am	1989	1/11/1989	MAP	558130.14	5439783.92	11N	
2C 100W	Mp-Am	1989	1/11/1989	MAP	559010.58	5439970.53	11N	
2C 1050W	Mp-Am	1989	1/11/1989	MAP	558081.23	5439773.55	11N	
2C 1100W	Mp-Am	1989	1/11/1989	MAP	558032.31	5439763.18	11N	
2C 1150W	Mp-M	1989	1/11/1989	MAP	557983.4	5439752.81	11N	
2C 1200W	Mp-M	1989	1/11/1989	MAP	557934.49	5439742.45	11N	
2C 1250W	Mp-M	1989	1/11/1989	MAP	557885.57	5439732.08	11N	
2C 1300W	Mp-Am	1989	1/11/1989	MAP	557836.66	5439721.71	11N	
2C 1350W	Mp-Am	1989	1/11/1989	MAP	557787.75	5439711.35	11N	
2C 1400W	Mp-Am	1989	1/11/1989	MAP	557738.83	5439700.98	11N	
2C 150W	Mp-Am	1989	1/11/1989	MAP	558961.67	5439960.16	11N	
2C 200W	Mp-Am	1989	1/11/1989	MAP	558912.75	5439949.79	11N	
2C 250W	Mp-Am	1989	1/11/1989	MAP	558863.84	5439939.43	11N	
2C 300W	Mp-Am	1989	1/11/1989	MAP	558814.93	5439929.06	11N	
2C 350W	Mp-Am	1989	1/11/1989	MAP	558766.01	5439918.69	11N	
2C 400W	Mp-Am	1989	1/11/1989	MAP	558717.1	5439908.32	11N	

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2C 450W	Mp-Am	1989	1/11/1989	MAP	558668.19	5439897.96	11N	
2C 500W	Mp-Am	1989	1/11/1989	MAP	558619.27	5439887.59	11N	
2C 50W	Mp-Am	1989	1/11/1989	MAP	559059.49	5439980.9	11N	
2C 550W	Mp-Am	1989	1/11/1989	MAP	558570.36	5439877.22	11N	
2C 600W	Mp-Am	1989	1/11/1989	MAP	558521.45	5439866.85	11N	
2C 650W	Mp-Am	1989	1/11/1989	MAP	558472.53	5439856.49	11N	
2C 700W	Mp-Am	1989	1/11/1989	MAP	558423.62	5439846.12	11N	
2C 750W	Mp-Am	1989	1/11/1989	MAP	558374.71	5439835.75	11N	
2C 800W	Mp-Am	1989	1/11/1989	MAP	558325.79	5439825.39	11N	
2C 850W	Mp-Am	1989	1/11/1989	MAP	558276.88	5439815.02	11N	
2C 900W	Mp-Am	1989	1/11/1989	MAP	558227.97	5439804.65	11N	
2C 950W	Mp-Am	1989	1/11/1989	MAP	558179.05	5439794.28	11N	
2D 0W	Mp-Am	1989	1/11/1989	MAP	559095.7	5440098.93	11N	
2D 1000W	Mp-Am	1989	1/11/1989	MAP	558118.65	5439885.89	11N	
2D 100W	Mp-Am	1989	1/11/1989	MAP	558997.99	5440077.63	11N	
2D 1050W	Mp-Am	1989	1/11/1989	MAP	558069.8	5439875.24	11N	
2D 1100W	Mp-Am	1989	1/11/1989	MAP	558020.95	5439864.59	11N	
2D 1150W	Mp-Am	1989	1/11/1989	MAP	557972.1	5439853.93	11N	
2D 1200W	Mp-M	1989	1/11/1989	MAP	557923.24	5439843.28	11N	
2D 1250W	Mp-M	1989	1/11/1989	MAP	557874.39	5439832.63	11N	
2D 1300W	Mp-Am	1989	1/11/1989	MAP	557825.54	5439821.98	11N	
2D 1350W	Mp-Am	1989	1/11/1989	MAP	557776.69	5439811.33	11N	
2D 1400W	Mp-Am	1989	1/11/1989	MAP	557727.83	5439800.67	11N	
2D 150W	Mp-Am	1989	1/11/1989	MAP	558949.14	5440066.97	11N	
2D 200W	Mp-Am	1989	1/11/1989	MAP	558900.29	5440056.32	11N	
2D 250W	Mp-Am	1989	1/11/1989	MAP	558851.43	5440045.67	11N	
2D 300W	Mp-Am	1989	1/11/1989	MAP	558802.58	5440035.02	11N	
2D 350W	Mp-Am	1989	1/11/1989	MAP	558753.73	5440024.37	11N	
2D 400W	Mp-Am	1989	1/11/1989	MAP	558704.88	5440013.71	11N	
2D 450W	Mp-Am	1989	1/11/1989	MAP	558656.03	5440003.06	11N	
2D 500W	Mp-Am	1989	1/11/1989	MAP	558607.17	5439992.41	11N	
2D 50W	Mp-Am	1989	1/11/1989	MAP	559046.84	5440088.28	11N	
2D 550W	Mp-Am	1989	1/11/1989	MAP	558558.32	5439981.76	11N	
2D 600W	Mp-Am	1989	1/11/1989	MAP	558509.47	5439971.11	11N	
2D 650W	Mp-Am	1989	1/11/1989	MAP	558460.62	5439960.45	11N	
2D 700W	Mp-Am	1989	1/11/1989	MAP	558411.77	5439949.8	11N	
2D 750W	Mp-Am	1989	1/11/1989	MAP	558362.91	5439939.15	11N	
2D 800W	Mp-Am	1989	1/11/1989	MAP	558314.06	5439928.5	11N	
2D 850W	Mp-Am	1989	1/11/1989	MAP	558265.21	5439917.85	11N	
2D 900W	Mp-Am	1989	1/11/1989	MAP	558216.36	5439907.19	11N	
2D 950W	Mp-Am	1989	1/11/1989	MAP	558167.5	5439896.54	11N	
2E 0W	Qt-al	1989	1/11/1989	MAP	559076.93	5440203.55	11N	
2E 1000W	Mp-Am	1989	1/11/1989	MAP	558087.56	5440001.16	11N	
2E 100W	Qt-al	1989	1/11/1989	MAP	558979.04	5440183.13	11N	
2E 1050W	Mp-Am	1989	1/11/1989	MAP	558038.92	5439989.6	11N	
2E 1100W	Mp-Am	1989	1/11/1989	MAP	557990.27	5439978.05	11N	
2E 1150W	Mp-Am	1989	1/11/1989	MAP	557941.63	5439966.49	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
2E 1200W	Mp-M	1989	1/11/1989	MAP	557892.98	5439954.94	11N	
2E 1250W	Mp-M	1989	1/11/1989	MAP	557844.33	5439943.38	11N	
2E 1300W	Mp-Am	1989	1/11/1989	MAP	557795.69	5439931.83	11N	
2E 1350W	Mp-Am	1989	1/11/1989	MAP	557747.04	5439920.27	11N	
2E 1400W	Mp-Am	1989	1/11/1989	MAP	557698.39	5439908.72	11N	
2E 150W	Mp-Am	1989	1/11/1989	MAP	558930.1	5440172.92	11N	
2E 200W	Mp-Am	1989	1/11/1989	MAP	558881.15	5440162.71	11N	
2E 250W	Mp-Am	1989	1/11/1989	MAP	558832.2	5440152.49	11N	
2E 300W	Mp-Am	1989	1/11/1989	MAP	558783.26	5440142.28	11N	
2E 350W	Mp-Am	1989	1/11/1989	MAP	558734.31	5440132.07	11N	
2E 400W	Mp-Am	1989	1/11/1989	MAP	558685.36	5440121.86	11N	
2E 450W	Mp-Am	1989	1/11/1989	MAP	558636.42	5440111.65	11N	
2E 500W	Mp-Am	1989	1/11/1989	MAP	558587.47	5440101.44	11N	
2E 50W	Qt-al	1989	1/11/1989	MAP	559027.99	5440193.34	11N	
2E 550W	Mp-Am	1989	1/11/1989	MAP	558538.52	5440091.23	11N	
2E 600W	Mp-Am	1989	1/11/1989	MAP	558489.58	5440081.02	11N	
2E 650W	Mp-Am	1989	1/11/1989	MAP	558440.63	5440070.81	11N	
2E 700W	Mp-Am	1989	1/11/1989	MAP	558391.69	5440060.6	11N	
2E 750W	Mp-Am	1989	1/11/1989	MAP	558330.8	5440058.93	11N	
2E 800W	Mp-Am	1989	1/11/1989	MAP	558282.15	5440047.38	11N	
2E 850W	Mp-Am	1989	1/11/1989	MAP	558233.5	5440035.82	11N	
2E 900W	Mp-Am	1989	1/11/1989	MAP	558184.86	5440024.27	11N	
2E 950W	Mp-Am	1989	1/11/1989	MAP	558136.21	5440012.71	11N	
2F 0W	Qt-al	1989	1/11/1989	MAP	559051.35	5440304.58	11N	
2F 1000W	Mp-Am	1989	1/11/1989	MAP	558074.13	5440092.34	11N	
2F 100W	Qt-al	1989	1/11/1989	MAP	558953.63	5440283.35	11N	
2F 1050W	Mp-Am	1989	1/11/1989	MAP	558025.27	5440081.73	11N	
2F 1100W	Mp-Am	1989	1/11/1989	MAP	557976.41	5440071.12	11N	
2F 1150W	Mp-Am	1989	1/11/1989	MAP	557927.55	5440060.51	11N	
2F 1200W	Mp-M	1989	1/11/1989	MAP	557878.68	5440049.89	11N	
2F 1250W	Mp-M	1989	1/11/1989	MAP	557829.82	5440039.28	11N	
2F 1300W	Mp-Am	1989	1/11/1989	MAP	557780.96	5440028.67	11N	
2F 1350W	Mp-Am	1989	1/11/1989	MAP	557732.1	5440018.06	11N	
2F 1400W	Mp-Am	1989	1/11/1989	MAP	557683.24	5440007.45	11N	
2F 150W	Qt-al	1989	1/11/1989	MAP	558904.76	5440272.74	11N	
2F 200W	Qt-al	1989	1/11/1989	MAP	558855.9	5440262.13	11N	
2F 250W	Qt-al	1989	1/11/1989	MAP	558807.04	5440251.52	11N	
2F 300W	Qt-al	1989	1/11/1989	MAP	558758.18	5440240.91	11N	
2F 350W	Qt-al	1989	1/11/1989	MAP	558709.32	5440230.29	11N	
2F 400W	Qt-al	1989	1/11/1989	MAP	558660.46	5440219.68	11N	
2F 450W	Mp-Am	1989	1/11/1989	MAP	558611.6	5440209.07	11N	
2F 500W	Mp-Am	1989	1/11/1989	MAP	558562.74	5440198.46	11N	
2F 50W	Qt-al	1989	1/11/1989	MAP	559002.49	5440293.96	11N	
2F 550W	Mp-Am	1989	1/11/1989	MAP	558513.88	5440187.85	11N	
2F 600W	Mp-Am	1989	1/11/1989	MAP	558465.02	5440177.24	11N	
2F 650W	Mp-Am	1989	1/11/1989	MAP	558416.16	5440166.62	11N	
2F 700W	Mp-Am	1989	1/11/1989	MAP	558367.29	5440156.01	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
2F 750W	Mp-Am	1989	1/11/1989	MAP	558318.43	5440145.4	11N	
2F 800W	Mp-Am	1989	1/11/1989	MAP	558269.57	5440134.79	11N	
2F 850W	Mp-Am	1989	1/11/1989	MAP	558220.71	5440124.18	11N	
2F 900W	Mp-Am	1989	1/11/1989	MAP	558171.85	5440113.56	11N	
2F 950W	Mp-Am	1989	1/11/1989	MAP	558122.99	5440102.95	11N	
2G 0W	Qt-al	1989	1/11/1989	MAP	559030.42	5440404.65	11N	
2G 1000W	Mp-Am	1989	1/11/1989	MAP	558053.76	5440189.87	11N	
2G 100W	Qt-al	1989	1/11/1989	MAP	558932.76	5440383.17	11N	
2G 1050W	Mp-Am	1989	1/11/1989	MAP	558004.93	5440179.13	11N	
2G 1100W	Mp-Am	1989	1/11/1989	MAP	557956.09	5440168.39	11N	
2G 1150W	Mp-Am	1989	1/11/1989	MAP	557907.26	5440157.65	11N	
2G 1200W	Mp-Am	1989	1/11/1989	MAP	557858.43	5440146.91	11N	
2G 1250W	Mp-M	1989	1/11/1989	MAP	557809.6	5440136.17	11N	
2G 1300W	Mp-M	1989	1/11/1989	MAP	557760.76	5440125.43	11N	
2G 1350W	Mp-Am	1989	1/11/1989	MAP	557711.93	5440114.69	11N	
2G 1400W	Mp-Am	1989	1/11/1989	MAP	557663.1	5440103.95	11N	
2G 150W	Qt-al	1989	1/11/1989	MAP	558883.92	5440372.43	11N	
2G 200W	Qt-al	1989	1/11/1989	MAP	558835.09	5440361.7	11N	
2G 250W	Qt-al	1989	1/11/1989	MAP	558786.26	5440350.96	11N	
2G 300W	Qt-al	1989	1/11/1989	MAP	558737.42	5440340.22	11N	
2G 350W	Qt-al	1989	1/11/1989	MAP	558688.59	5440329.48	11N	
2G 400W	Qt-al	1989	1/11/1989	MAP	558639.76	5440318.74	11N	
2G 450W	Qt-al	1989	1/11/1989	MAP	558590.92	5440308	11N	
2G 500W	Qt-al	1989	1/11/1989	MAP	558542.09	5440297.26	11N	
2G 50W	Qt-al	1989	1/11/1989	MAP	558981.59	5440393.91	11N	
2G 550W	Qt-al	1989	1/11/1989	MAP	558493.26	5440286.52	11N	
2G 600W	Qt-al	1989	1/11/1989	MAP	558444.43	5440275.78	11N	
2G 650W	Mp-Am	1989	1/11/1989	MAP	558395.59	5440265.04	11N	
2G 700W	Mp-Am	1989	1/11/1989	MAP	558346.76	5440254.3	11N	
2G 750W	Mp-Am	1989	1/11/1989	MAP	558297.93	5440243.56	11N	
2G 800W	Mp-Am	1989	1/11/1989	MAP	558249.09	5440232.82	11N	
2G 850W	Mp-Am	1989	1/11/1989	MAP	558200.26	5440222.09	11N	
2G 900W	Mp-Am	1989	1/11/1989	MAP	558151.43	5440211.35	11N	
2G 950W	Mp-Am	1989	1/11/1989	MAP	558102.59	5440200.61	11N	
2H 0W	Qt-al	1989	1/11/1989	MAP	559008.59	5440512.01	11N	
2H 1000W	Mp-Am	1989	1/11/1989	MAP	558034.24	5440286.95	11N	
2H 100W	Qt-al	1989	1/11/1989	MAP	558911.15	5440489.5	11N	
2H 1050W	Mp-Am	1989	1/11/1989	MAP	557985.53	5440275.69	11N	
2H 1100W	Mp-Am	1989	1/11/1989	MAP	557936.81	5440264.44	11N	
2H 1150W	Mp-Am	1989	1/11/1989	MAP	557888.09	5440253.19	11N	
2H 1200W	Mp-Am	1989	1/11/1989	MAP	557839.37	5440241.93	11N	
2H 1250W	Mp-M	1989	1/11/1989	MAP	557790.66	5440230.68	11N	
2H 1300W	Mp-M	1989	1/11/1989	MAP	557741.94	5440219.43	11N	
2H 1350W	Mp-Am	1989	1/11/1989	MAP	557693.22	5440208.18	11N	
2H 1400W	Mp-Am	1989	1/11/1989	MAP	557644.5	5440196.92	11N	
2H 150W	Qt-al	1989	1/11/1989	MAP	558862.44	5440478.25	11N	
2H 200W	Qt-al	1989	1/11/1989	MAP	558813.72	5440466.99	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
2H 250W	Qt-al	1989	1/11/1989	MAP	558765	5440455.74	11N	
2H 300W	Qt-al	1989	1/11/1989	MAP	558716.28	5440444.49	11N	
2H 350W	Qt-al	1989	1/11/1989	MAP	558667.57	5440433.24	11N	
2H 400W	Qt-al	1989	1/11/1989	MAP	558618.85	5440421.98	11N	
2H 450W	Qt-al	1989	1/11/1989	MAP	558570.13	5440410.73	11N	
2H 500W	Qt-al	1989	1/11/1989	MAP	558521.42	5440399.48	11N	
2H 50W	Qt-al	1989	1/11/1989	MAP	558959.87	5440500.75	11N	
2H 550W	Qt-al	1989	1/11/1989	MAP	558472.7	5440388.22	11N	
2H 600W	Qt-al	1989	1/11/1989	MAP	558423.98	5440376.97	11N	
2H 650W	Qt-al	1989	1/11/1989	MAP	558375.26	5440365.72	11N	
2H 700W	Qt-al	1989	1/11/1989	MAP	558326.55	5440354.46	11N	
2H 750W	Mp-Am	1989	1/11/1989	MAP	558277.83	5440343.21	11N	
2H 800W	Mp-Am	1989	1/11/1989	MAP	558229.11	5440331.96	11N	
2H 850W	Mp-Am	1989	1/11/1989	MAP	558180.39	5440320.71	11N	
2H 900W	Mp-Am	1989	1/11/1989	MAP	558131.68	5440309.45	11N	
2H 950W	Mp-Am	1989	1/11/1989	MAP	558082.96	5440298.2	11N	
2I 0W	Qt-al	1989	1/11/1989	MAP	558989.48	5440608.44	11N	
2I 1000W	Mp-Am	1989	1/11/1989	MAP	558012.48	5440395.22	11N	
2I 100W	Qt-al	1989	1/11/1989	MAP	558891.78	5440587.12	11N	
2I 1050W	Mp-Am	1989	1/11/1989	MAP	557963.63	5440384.56	11N	
2I 1100W	Mp-Am	1989	1/11/1989	MAP	557914.78	5440373.9	11N	
2I 1150W	Mp-Am	1989	1/11/1989	MAP	557865.93	5440363.24	11N	
2I 1200W	Mp-Am	1989	1/11/1989	MAP	557817.08	5440352.57	11N	
2I 1250W	Mp-M	1989	1/11/1989	MAP	557768.23	5440341.91	11N	
2I 1300W	Mp-M	1989	1/11/1989	MAP	557719.38	5440331.25	11N	
2I 1350W	Mp-Am	1989	1/11/1989	MAP	557670.53	5440320.59	11N	
2I 1400W	Mp-Am	1989	1/11/1989	MAP	557621.68	5440309.93	11N	
2I 150W	Qt-al	1989	1/11/1989	MAP	558842.93	5440576.46	11N	
2I 200W	Qt-al	1989	1/11/1989	MAP	558794.08	5440565.8	11N	
2I 250W	Qt-al	1989	1/11/1989	MAP	558745.23	5440555.14	11N	
2I 300W	Qt-al	1989	1/11/1989	MAP	558696.38	5440544.48	11N	
2I 350W	Qt-al	1989	1/11/1989	MAP	558647.53	5440533.82	11N	
2I 400W	Qt-al	1989	1/11/1989	MAP	558598.68	5440523.15	11N	
2I 450W	Qt-al	1989	1/11/1989	MAP	558549.83	5440512.49	11N	
2I 500W	Qt-al	1989	1/11/1989	MAP	558500.98	5440501.83	11N	
2I 50W	Qt-al	1989	1/11/1989	MAP	558940.63	5440597.78	11N	
2I 550W	Qt-al	1989	1/11/1989	MAP	558452.13	5440491.17	11N	
2I 600W	Qt-al	1989	1/11/1989	MAP	558403.28	5440480.51	11N	
2I 650W	Qt-al	1989	1/11/1989	MAP	558354.43	5440469.85	11N	
2I 700W	Qt-al	1989	1/11/1989	MAP	558305.58	5440459.19	11N	
2I 750W	Qt-al	1989	1/11/1989	MAP	558256.73	5440448.53	11N	
2I 800W	Mp-Am	1989	1/11/1989	MAP	558207.88	5440437.86	11N	
2I 850W	Mp-Am	1989	1/11/1989	MAP	558159.03	5440427.2	11N	
2I 900W	Mp-Am	1989	1/11/1989	MAP	558110.18	5440416.54	11N	
2I 950W	Mp-Am	1989	1/11/1989	MAP	558061.33	5440405.88	11N	
2J 0W	Qt-al	1989	1/11/1989	MAP	558970.38	5440701.24	11N	
2J 1000W	Mp-Am	1989	1/11/1989	MAP	557992.37	5440492.64	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
2J 100W	Qt-al	1989	1/11/1989	MAP	558872.58	5440680.38	11N	
2J 1050W	Mp-Am	1989	1/11/1989	MAP	557943.47	5440482.21	11N	
2J 1100W	Mp-Am	1989	1/11/1989	MAP	557894.57	5440471.78	11N	
2J 1150W	Mp-Am	1989	1/11/1989	MAP	557845.67	5440461.35	11N	
2J 1200W	Mp-Am	1989	1/11/1989	MAP	557796.77	5440450.92	11N	
2J 1250W	Mp-Am	1989	1/11/1989	MAP	557747.87	5440440.5	11N	
2J 1300W	Mp-M	1989	1/11/1989	MAP	557698.97	5440430.07	11N	
2J 1350W	Mp-Am	1989	1/11/1989	MAP	557650.07	5440419.64	11N	
2J 1400W	Mp-Am	1989	1/11/1989	MAP	557601.17	5440409.21	11N	
2J 150W	Qt-al	1989	1/11/1989	MAP	558823.68	5440669.95	11N	
2J 200W	Qt-al	1989	1/11/1989	MAP	558774.78	5440659.52	11N	
2J 250W	Qt-al	1989	1/11/1989	MAP	558725.88	5440649.09	11N	
2J 300W	Qt-al	1989	1/11/1989	MAP	558676.98	5440638.66	11N	
2J 350W	Qt-al	1989	1/11/1989	MAP	558628.08	5440628.23	11N	
2J 400W	Qt-al	1989	1/11/1989	MAP	558579.18	5440617.8	11N	
2J 450W	Qt-al	1989	1/11/1989	MAP	558530.28	5440607.37	11N	
2J 500W	Qt-al	1989	1/11/1989	MAP	558481.38	5440596.94	11N	
2J 50W	Qt-al	1989	1/11/1989	MAP	558921.48	5440690.81	11N	
2J 550W	Qt-al	1989	1/11/1989	MAP	558432.48	5440586.51	11N	
2J 600W	Qt-al	1989	1/11/1989	MAP	558383.58	5440576.08	11N	
2J 650W	Qt-al	1989	1/11/1989	MAP	558334.68	5440565.65	11N	
2J 700W	Qt-al	1989	1/11/1989	MAP	558285.78	5440555.22	11N	
2J 750W	Qt-al	1989	1/11/1989	MAP	558236.88	5440544.79	11N	
2J 800W	Mp-Am	1989	1/11/1989	MAP	558187.98	5440534.36	11N	
2J 850W	Mp-Am	1989	1/11/1989	MAP	558139.08	5440523.93	11N	
2J 900W	Mp-Am	1989	1/11/1989	MAP	558090.18	5440513.5	11N	
2J 950W	Mp-Am	1989	1/11/1989	MAP	558041.28	5440503.07	11N	
2K 0W	Qt-al	1989	1/11/1989	MAP	558908.26	5440802.73	11N	
2K 1000W	Mp-Am	1989	1/11/1989	MAP	557932.07	5440585.8	11N	
2K 100W	Qt-al	1989	1/11/1989	MAP	558810.64	5440781.04	11N	
2K 1050W	Mp-Am	1989	1/11/1989	MAP	557883.26	5440574.96	11N	
2K 1100W	Mp-Am	1989	1/11/1989	MAP	557834.45	5440564.11	11N	
2K 1150W	Mp-Am	1989	1/11/1989	MAP	557785.64	5440553.26	11N	
2K 1200W	Mp-Am	1989	1/11/1989	MAP	557736.83	5440542.42	11N	
2K 1250W	Mp-M	1989	1/11/1989	MAP	557688.02	5440531.57	11N	
2K 1300W	Mp-M	1989	1/11/1989	MAP	557639.22	5440520.72	11N	
2K 1350W	Mp-Am	1989	1/11/1989	MAP	557590.41	5440509.88	11N	
2K 1400W	Mp-Am	1989	1/11/1989	MAP	557541.6	5440499.03	11N	
2K 150W	Qt-al	1989	1/11/1989	MAP	558761.83	5440770.19	11N	
2K 200W	Qt-al	1989	1/11/1989	MAP	558713.02	5440759.35	11N	
2K 250W	Qt-al	1989	1/11/1989	MAP	558664.21	5440748.5	11N	
2K 300W	Qt-al	1989	1/11/1989	MAP	558615.4	5440737.65	11N	
2K 350W	Qt-al	1989	1/11/1989	MAP	558566.59	5440726.81	11N	
2K 400W	Qt-al	1989	1/11/1989	MAP	558517.78	5440715.96	11N	
2K 450W	Qt-al	1989	1/11/1989	MAP	558468.97	5440705.12	11N	
2K 500W	Qt-al	1989	1/11/1989	MAP	558420.16	5440694.27	11N	
2K 50W	Qt-al	1989	1/11/1989	MAP	558859.45	5440791.89	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
2K 550W	Qt-al	1989	1/11/1989	MAP	558371.36	5440683.42	11N	
2K 600W	Qt-al	1989	1/11/1989	MAP	558322.55	5440672.58	11N	
2K 650W	Qt-al	1989	1/11/1989	MAP	558273.74	5440661.73	11N	
2K 700W	Qt-al	1989	1/11/1989	MAP	558224.93	5440650.88	11N	
2K 750W	Mp-Am	1989	1/11/1989	MAP	558176.12	5440640.04	11N	
2K 800W	Mp-Am	1989	1/11/1989	MAP	558127.31	5440629.19	11N	
2K 850W	Mp-Am	1989	1/11/1989	MAP	558078.5	5440618.34	11N	
2K 900W	Mp-Am	1989	1/11/1989	MAP	558029.69	5440607.5	11N	
2K 950W	Mp-Am	1989	1/11/1989	MAP	557980.88	5440596.65	11N	
2L 0W	Qt-al	1989	1/11/1989	MAP	558877.53	5440898.16	11N	
2L 1000W	Mp-Am	1989	1/11/1989	MAP	557904.4	5440667.89	11N	
2L 100W	Qt-al	1989	1/11/1989	MAP	558780.22	5440875.13	11N	
2L 1050W	Mp-Am	1989	1/11/1989	MAP	557855.74	5440656.38	11N	
2L 1100W	Mp-Am	1989	1/11/1989	MAP	557807.09	5440644.87	11N	
2L 1150W	Mp-Am	1989	1/11/1989	MAP	557758.43	5440633.35	11N	
2L 1200W	Mp-Am	1989	1/11/1989	MAP	557709.77	5440621.84	11N	
2L 1250W	Mp-M	1989	1/11/1989	MAP	557661.12	5440610.33	11N	
2L 1300W	Mp-M	1989	1/11/1989	MAP	557612.46	5440598.81	11N	
2L 1350W	Mp-Am	1989	1/11/1989	MAP	557563.81	5440587.3	11N	
2L 1400W	Mp-Am	1989	1/11/1989	MAP	557515.15	5440575.79	11N	
2L 150W	Qt-al	1989	1/11/1989	MAP	558731.56	5440863.62	11N	
2L 200W	Qt-al	1989	1/11/1989	MAP	558682.9	5440852.11	11N	
2L 250W	Qt-al	1989	1/11/1989	MAP	558634.25	5440840.59	11N	
2L 300W	Qt-al	1989	1/11/1989	MAP	558585.59	5440829.08	11N	
2L 350W	Qt-al	1989	1/11/1989	MAP	558536.93	5440817.57	11N	
2L 400W	Qt-al	1989	1/11/1989	MAP	558488.28	5440806.05	11N	
2L 450W	Qt-al	1989	1/11/1989	MAP	558439.62	5440794.54	11N	
2L 500W	Qt-al	1989	1/11/1989	MAP	558390.96	5440783.03	11N	
2L 50W	Qt-al	1989	1/11/1989	MAP	558828.87	5440886.65	11N	
2L 550W	Qt-al	1989	1/11/1989	MAP	558342.31	5440771.51	11N	
2L 600W	Qt-al	1989	1/11/1989	MAP	558293.65	5440760	11N	
2L 650W	Qt-al	1989	1/11/1989	MAP	558244.99	5440748.49	11N	
2L 700W	Mp-Am	1989	1/11/1989	MAP	558196.34	5440736.97	11N	
2L 750W	Mp-Am	1989	1/11/1989	MAP	558147.68	5440725.46	11N	
2L 800W	Mp-Am	1989	1/11/1989	MAP	558099.03	5440713.95	11N	
2L 850W	Mp-Am	1989	1/11/1989	MAP	558050.37	5440702.43	11N	
2L 900W	Mp-Am	1989	1/11/1989	MAP	558001.71	5440690.92	11N	
2L 950W	Mp-Am	1989	1/11/1989	MAP	557953.06	5440679.41	11N	
2M 0W	Qt-al	1989	1/11/1989	MAP	558851.65	5440991.97	11N	
2M 1000W	Mp-Am	1989	1/11/1989	MAP	557878.27	5440762.79	11N	
2M 100W	Qt-al	1989	1/11/1989	MAP	558754.31	5440969.05	11N	
2M 1050W	Mp-Am	1989	1/11/1989	MAP	557829.6	5440751.33	11N	
2M 1100W	Mp-Am	1989	1/11/1989	MAP	557780.93	5440739.87	11N	
2M 1150W	Mp-Am	1989	1/11/1989	MAP	557732.26	5440728.41	11N	
2M 1200W	Mp-Am	1989	1/11/1989	MAP	557683.59	5440716.95	11N	
2M 1250W	Mp-M	1989	1/11/1989	MAP	557634.92	5440705.49	11N	
2M 1300W	Mp-M	1989	1/11/1989	MAP	557586.25	5440694.03	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
2M 1350W	Mp-Am	1989	1/11/1989	MAP	557537.58	5440682.57	11N	
2M 1400W	Mp-Am	1989	1/11/1989	MAP	557488.91	5440671.11	11N	
2M 150W	Qt-al	1989	1/11/1989	MAP	558705.64	5440957.59	11N	
2M 200W	Qt-al	1989	1/11/1989	MAP	558656.97	5440946.13	11N	
2M 250W	Qt-al	1989	1/11/1989	MAP	558608.3	5440934.67	11N	
2M 300W	Qt-al	1989	1/11/1989	MAP	558559.63	5440923.21	11N	
2M 350W	Qt-al	1989	1/11/1989	MAP	558510.97	5440911.76	11N	
2M 400W	Qt-al	1989	1/11/1989	MAP	558462.3	5440900.3	11N	
2M 450W	Qt-al	1989	1/11/1989	MAP	558413.63	5440888.84	11N	
2M 500W	Qt-al	1989	1/11/1989	MAP	558364.96	5440877.38	11N	
2M 50W	Qt-al	1989	1/11/1989	MAP	558802.98	5440980.51	11N	
2M 550W	Qt-al	1989	1/11/1989	MAP	558316.29	5440865.92	11N	
2M 600W	Qt-al	1989	1/11/1989	MAP	558267.62	5440854.46	11N	
2M 650W	Mp-Am	1989	1/11/1989	MAP	558218.95	5440843	11N	
2M 700W	Mp-Am	1989	1/11/1989	MAP	558170.28	5440831.54	11N	
2M 750W	Mp-Am	1989	1/11/1989	MAP	558121.61	5440820.08	11N	
2M 800W	Mp-Am	1989	1/11/1989	MAP	558072.94	5440808.62	11N	
2M 850W	Mp-Am	1989	1/11/1989	MAP	558024.27	5440797.16	11N	
2M 900W	Mp-Am	1989	1/11/1989	MAP	557975.6	5440785.7	11N	
2M 950W	Mp-Am	1989	1/11/1989	MAP	557926.94	5440774.25	11N	
2N 0W	Qt-al	1989	1/11/1989	MAP	558824.15	5441077.69	11N	
2N 1000W	Mp-Am	1989	1/11/1989	MAP	557848.11	5440860.14	11N	
2N 100W	Qt-al	1989	1/11/1989	MAP	558726.55	5441055.94	11N	
2N 1050W	Mp-Am	1989	1/11/1989	MAP	557799.3	5440849.26	11N	
2N 1100W	Mp-Am	1989	1/11/1989	MAP	557750.5	5440838.38	11N	
2N 1150W	Mp-Am	1989	1/11/1989	MAP	557701.7	5440827.51	11N	
2N 1200W	Mp-Am	1989	1/11/1989	MAP	557652.9	5440816.63	11N	
2N 1250W	Mp-M	1989	1/11/1989	MAP	557604.09	5440805.75	11N	
2N 1300W	Mp-M	1989	1/11/1989	MAP	557555.29	5440794.87	11N	
2N 1350W	Mp-Am	1989	1/11/1989	MAP	557506.49	5440783.99	11N	
2N 1400W	Mp-Am	1989	1/11/1989	MAP	557457.69	5440773.12	11N	
2N 150W	Qt-al	1989	1/11/1989	MAP	558677.75	5441045.06	11N	
2N 200W	Qt-al	1989	1/11/1989	MAP	558628.94	5441034.18	11N	
2N 250W	Qt-al	1989	1/11/1989	MAP	558580.14	5441023.3	11N	
2N 300W	Qt-al	1989	1/11/1989	MAP	558531.34	5441012.43	11N	
2N 350W	Qt-al	1989	1/11/1989	MAP	558482.54	5441001.55	11N	
2N 400W	Qt-al	1989	1/11/1989	MAP	558433.73	5440990.67	11N	
2N 450W	Qt-al	1989	1/11/1989	MAP	558384.93	5440979.79	11N	
2N 500W	Qt-al	1989	1/11/1989	MAP	558336.13	5440968.91	11N	
2N 50W	Qt-al	1989	1/11/1989	MAP	558775.35	5441066.81	11N	
2N 550W	Qt-al	1989	1/11/1989	MAP	558287.33	5440958.04	11N	
2N 600W	Mp-Am	1989	1/11/1989	MAP	558238.52	5440947.16	11N	
2N 650W	Mp-Am	1989	1/11/1989	MAP	558189.72	5440936.28	11N	
2N 700W	Mp-Am	1989	1/11/1989	MAP	558140.92	5440925.4	11N	
2N 750W	Mp-Am	1989	1/11/1989	MAP	558092.12	5440914.53	11N	
2N 800W	Mp-Am	1989	1/11/1989	MAP	558043.32	5440903.65	11N	
2N 850W	Mp-Am	1989	1/11/1989	MAP	557994.51	5440892.77	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
2N 900W	Mp-Am	1989	1/11/1989	MAP	557945.71	5440881.89	11N	
2N 950W	Mp-Am	1989	1/11/1989	MAP	557896.91	5440871.02	11N	
2O 0W	Qt-al	1989	1/11/1989	MAP	558793.42	5441184.44	11N	
2O 1000W	Mp-Am	1989	1/11/1989	MAP	557819.63	5440957.01	11N	
2O 100W	Qt-al	1989	1/11/1989	MAP	558696.04	5441161.7	11N	
2O 1050W	Mp-Am	1989	1/11/1989	MAP	557770.94	5440945.64	11N	
2O 1100W	Mp-Am	1989	1/11/1989	MAP	557722.25	5440934.27	11N	
2O 1150W	Mp-Am	1989	1/11/1989	MAP	557673.56	5440922.9	11N	
2O 1200W	Mp-Am	1989	1/11/1989	MAP	557624.87	5440911.53	11N	
2O 1250W	Mp-M	1989	1/11/1989	MAP	557576.18	5440900.16	11N	
2O 1300W	Mp-M	1989	1/11/1989	MAP	557527.49	5440888.79	11N	
2O 1350W	Mp-M	1989	1/11/1989	MAP	557478.8	5440877.41	11N	
2O 1400W	Mp-Am	1989	1/11/1989	MAP	557430.11	5440866.04	11N	
2O 150W	Qt-al	1989	1/11/1989	MAP	558647.35	5441150.33	11N	
2O 200W	Qt-al	1989	1/11/1989	MAP	558598.66	5441138.95	11N	
2O 250W	Qt-al	1989	1/11/1989	MAP	558549.97	5441127.58	11N	
2O 300W	Qt-al	1989	1/11/1989	MAP	558501.28	5441116.21	11N	
2O 350W	Qt-al	1989	1/11/1989	MAP	558452.59	5441104.84	11N	
2O 400W	Qt-al	1989	1/11/1989	MAP	558403.91	5441093.47	11N	
2O 450W	Qt-al	1989	1/11/1989	MAP	558355.22	5441082.1	11N	
2O 500W	Qt-al	1989	1/11/1989	MAP	558306.53	5441070.73	11N	
2O 50W	Qt-al	1989	1/11/1989	MAP	558744.73	5441173.07	11N	
2O 550W	Mp-Am	1989	1/11/1989	MAP	558257.84	5441059.36	11N	
2O 600W	Mp-Am	1989	1/11/1989	MAP	558209.15	5441047.98	11N	
2O 650W	Mp-Am	1989	1/11/1989	MAP	558160.46	5441036.61	11N	
2O 700W	Mp-Am	1989	1/11/1989	MAP	558111.77	5441025.24	11N	
2O 750W	Mp-Am	1989	1/11/1989	MAP	558063.08	5441013.87	11N	
2O 800W	Mp-Am	1989	1/11/1989	MAP	558014.39	5441002.5	11N	
2O 850W	Mp-Am	1989	1/11/1989	MAP	557965.7	5440991.13	11N	
2O 900W	Mp-Am	1989	1/11/1989	MAP	557917.01	5440979.76	11N	
2O 950W	Mp-Am	1989	1/11/1989	MAP	557868.32	5440968.38	11N	
2P 0W	Qt-al	1989	1/11/1989	MAP	558767.54	5441286.34	11N	
2P 1000W	Mp-Am	1989	1/11/1989	MAP	557795.07	5441053.33	11N	
2P 100W	Qt-al	1989	1/11/1989	MAP	558670.3	5441263.03	11N	
2P 1050W	Mp-Am	1989	1/11/1989	MAP	557746.45	5441041.68	11N	
2P 1100W	Mp-Am	1989	1/11/1989	MAP	557697.82	5441030.03	11N	
2P 1150W	Mp-Am	1989	1/11/1989	MAP	557649.2	5441018.38	11N	
2P 1200W	Mp-Am	1989	1/11/1989	MAP	557600.57	5441006.73	11N	
2P 1250W	Mp-Am	1989	1/11/1989	MAP	557551.95	5440995.08	11N	
2P 1300W	Mp-M	1989	1/11/1989	MAP	557503.33	5440983.43	11N	
2P 1350W	Mp-M	1989	1/11/1989	MAP	557454.7	5440971.78	11N	
2P 1400W	Mp-Am	1989	1/11/1989	MAP	557406.08	5440960.13	11N	
2P 150W	Qt-al	1989	1/11/1989	MAP	558621.67	5441251.38	11N	
2P 200W	Qt-al	1989	1/11/1989	MAP	558573.05	5441239.73	11N	
2P 250W	Qt-al	1989	1/11/1989	MAP	558524.43	5441228.08	11N	
2P 300W	Qt-al	1989	1/11/1989	MAP	558475.8	5441216.43	11N	
2P 350W	Qt-al	1989	1/11/1989	MAP	558427.18	5441204.78	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
2P 400W	Qt-al	1989	1/11/1989	MAP	558378.55	5441193.13	11N	
2P 450W	Qt-al	1989	1/11/1989	MAP	558329.93	5441181.48	11N	
2P 500W	Mp-Am	1989	1/11/1989	MAP	558281.31	5441169.83	11N	
2P 50W	Qt-al	1989	1/11/1989	MAP	558718.92	5441274.68	11N	
2P 550W	Mp-Am	1989	1/11/1989	MAP	558232.68	5441158.18	11N	
2P 600W	Mp-Am	1989	1/11/1989	MAP	558184.06	5441146.53	11N	
2P 650W	Mp-Am	1989	1/11/1989	MAP	558135.44	5441134.88	11N	
2P 700W	Mp-Am	1989	1/11/1989	MAP	558086.81	5441123.23	11N	
2P 750W	Mp-Am	1989	1/11/1989	MAP	558038.19	5441111.58	11N	
2P 800W	Mp-Am	1989	1/11/1989	MAP	557989.56	5441099.93	11N	
2P 850W	Mp-Am	1989	1/11/1989	MAP	557940.94	5441088.28	11N	
2P 900W	Mp-Am	1989	1/11/1989	MAP	557892.32	5441076.63	11N	
2P 950W	Mp-Am	1989	1/11/1989	MAP	557843.69	5441064.98	11N	
2Q 0W	Qt-al	1989	1/11/1989	MAP	558743.28	5441383.38	11N	
2Q 1000W	Mp-Am	1989	1/11/1989	MAP	557771.18	5441148.82	11N	
2Q 100W	Qt-al	1989	1/11/1989	MAP	558646.07	5441359.92	11N	
2Q 1050W	Mp-Am	1989	1/11/1989	MAP	557722.58	5441137.1	11N	
2Q 1100W	Mp-Am	1989	1/11/1989	MAP	557673.97	5441125.37	11N	
2Q 1150W	Mp-Am	1989	1/11/1989	MAP	557625.37	5441113.64	11N	
2Q 1200W	Mp-Am	1989	1/11/1989	MAP	557576.76	5441101.91	11N	
2Q 1250W	Mp-Am	1989	1/11/1989	MAP	557528.16	5441090.18	11N	
2Q 1300W	Mp-M	1989	1/11/1989	MAP	557479.55	5441078.46	11N	
2Q 1350W	Mp-M	1989	1/11/1989	MAP	557430.95	5441066.73	11N	
2Q 150W	Qt-al	1989	1/11/1989	MAP	558597.47	5441348.2	11N	
2Q 200W	Qt-al	1989	1/11/1989	MAP	558548.86	5441336.47	11N	
2Q 250W	Qt-al	1989	1/11/1989	MAP	558500.26	5441324.74	11N	
2Q 300W	Qt-al	1989	1/11/1989	MAP	558451.65	5441313.01	11N	
2Q 350W	Qt-al	1989	1/11/1989	MAP	558403.05	5441301.28	11N	
2Q 400W	Qt-al	1989	1/11/1989	MAP	558354.44	5441289.56	11N	
2Q 450W	Mp-Am	1989	1/11/1989	MAP	558305.84	5441277.83	11N	
2Q 500W	Mp-Am	1989	1/11/1989	MAP	558257.23	5441266.1	11N	
2Q 50W	Qt-al	1989	1/11/1989	MAP	558694.68	5441371.65	11N	
2Q 550W	Mp-Am	1989	1/11/1989	MAP	558208.63	5441254.37	11N	
2Q 600W	Mp-Am	1989	1/11/1989	MAP	558160.02	5441242.65	11N	
2Q 650W	Mp-Am	1989	1/11/1989	MAP	558111.42	5441230.92	11N	
2Q 700W	Mp-Am	1989	1/11/1989	MAP	558062.81	5441219.19	11N	
2Q 750W	Mp-Am	1989	1/11/1989	MAP	558014.21	5441207.46	11N	
2Q 800W	Mp-Am	1989	1/11/1989	MAP	557965.6	5441195.73	11N	
2Q 850W	Mp-Am	1989	1/11/1989	MAP	557917	5441184.01	11N	
2Q 900W	Mp-Am	1989	1/11/1989	MAP	557868.39	5441172.28	11N	
2Q 950W	Mp-Am	1989	1/11/1989	MAP	557819.79	5441160.55	11N	
2R 0W	Qt-al	1989	1/11/1989	MAP	558719.02	5441473.95	11N	
2R 1000W	Mp-Am	1989	1/11/1989	MAP	557744.83	5441248.23	11N	
2R 100W	Qt-al	1989	1/11/1989	MAP	558621.6	5441451.38	11N	
2R 1050W	Mp-Am	1989	1/11/1989	MAP	557696.12	5441236.94	11N	
2R 1100W	Mp-Am	1989	1/11/1989	MAP	557647.41	5441225.65	11N	
2R 1150W	Mp-Am	1989	1/11/1989	MAP	557598.7	5441214.37	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
2R 1200W	Mp-Am	1989	1/11/1989	MAP	557549.99	5441203.08	11N	
2R 1250W	Mp-Am	1989	1/11/1989	MAP	557501.28	5441191.79	11N	
2R 1300W	Mp-M	1989	1/11/1989	MAP	557452.58	5441180.51	11N	
2R 1350W	Mp-M	1989	1/11/1989	MAP	557403.87	5441169.22	11N	
2R 150W	Qt-al	1989	1/11/1989	MAP	558572.89	5441440.09	11N	
2R 200W	Qt-al	1989	1/11/1989	MAP	558524.18	5441428.81	11N	
2R 250W	Qt-al	1989	1/11/1989	MAP	558475.48	5441417.52	11N	
2R 300W	Qt-al	1989	1/11/1989	MAP	558426.77	5441406.24	11N	
2R 350W	Qt-al	1989	1/11/1989	MAP	558378.06	5441394.95	11N	
2R 400W	Qt-al	1989	1/11/1989	MAP	558329.35	5441383.66	11N	
2R 450W	Mp-Am	1989	1/11/1989	MAP	558280.64	5441372.38	11N	
2R 500W	Mp-Am	1989	1/11/1989	MAP	558231.93	5441361.09	11N	
2R 50W	Qt-al	1989	1/11/1989	MAP	558670.31	5441462.67	11N	
2R 550W	Mp-Am	1989	1/11/1989	MAP	558183.22	5441349.8	11N	
2R 600W	Mp-Am	1989	1/11/1989	MAP	558134.51	5441338.52	11N	
2R 650W	Mp-Am	1989	1/11/1989	MAP	558085.8	5441327.23	11N	
2R 700W	Mp-Am	1989	1/11/1989	MAP	558037.09	5441315.94	11N	
2R 750W	Mp-Am	1989	1/11/1989	MAP	557988.38	5441304.66	11N	
2R 800W	Mp-Am	1989	1/11/1989	MAP	557939.67	5441293.37	11N	
2R 850W	Mp-Am	1989	1/11/1989	MAP	557890.96	5441282.09	11N	
2R 900W	Mp-Am	1989	1/11/1989	MAP	557842.25	5441270.8	11N	
2R 950W	Mp-Am	1989	1/11/1989	MAP	557793.54	5441259.51	11N	
2S 0W	Qt-al	1989	1/11/1989	MAP	558678.59	5441574.23	11N	
2S 1000W	Mp-Am	1989	1/11/1989	MAP	557709.66	5441339.33	11N	
2S 100W	Qt-al	1989	1/11/1989	MAP	558580.87	5441552.09	11N	
2S 1050W	Mp-Am	1989	1/11/1989	MAP	557660.85	5441328.48	11N	
2S 1100W	Mp-Am	1989	1/11/1989	MAP	557612.04	5441317.63	11N	
2S 1150W	Mp-Am	1989	1/11/1989	MAP	557563.23	5441306.79	11N	
2S 1200W	Mp-Am	1989	1/11/1989	MAP	557514.42	5441295.94	11N	
2S 1250W	Mp-M	1989	1/11/1989	MAP	557465.61	5441285.09	11N	
2S 1300W	Mp-M	1989	1/11/1989	MAP	557416.8	5441274.25	11N	
2S 1350W	Mp-M	1989	1/11/1989	MAP	557367.99	5441263.4	11N	
2S 150W	Qt-al	1989	1/11/1989	MAP	558532.01	5441541.03	11N	
2S 200W	Qt-al	1989	1/11/1989	MAP	558483.15	5441529.96	11N	
2S 250W	Qt-al	1989	1/11/1989	MAP	558434.29	5441518.89	11N	
2S 300W	Qt-al	1989	1/11/1989	MAP	558385.43	5441507.82	11N	
2S 350W	Qt-al	1989	1/11/1989	MAP	558336.57	5441496.75	11N	
2S 400W	Mp-Am	1989	1/11/1989	MAP	558287.71	5441485.68	11N	
2S 450W	Mp-Am	1989	1/11/1989	MAP	558238.85	5441474.61	11N	
2S 500W	Mp-Am	1989	1/11/1989	MAP	558189.99	5441463.55	11N	
2S 50W	Qt-al	1989	1/11/1989	MAP	558629.73	5441563.16	11N	
2S 550W	Mp-Am	1989	1/11/1989	MAP	558140.3	5441457.87	11N	
2S 600W	Mp-Am	1989	1/11/1989	MAP	558090.37	5441453.78	11N	
2S 650W	Mp-Am	1989	1/11/1989	MAP	558040.44	5441449.7	11N	
2S 700W	Mp-Am	1989	1/11/1989	MAP	557990.5	5441445.62	11N	
2S 750W	Mp-Am	1989	1/11/1989	MAP	557953.71	5441393.56	11N	
2S 800W	Mp-Am	1989	1/11/1989	MAP	557904.9	5441382.71	11N	

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2S 850W	Mp-Am	1989	1/11/1989	MAP	557856.09	5441371.87	11N	
2S 900W	Mp-Am	1989	1/11/1989	MAP	557807.28	5441361.02	11N	
2S 950W	Mp-Am	1989	1/11/1989	MAP	557758.47	5441350.17	11N	
2T 0W	Qt-al	1989	1/11/1989	MAP	558660.8	5441676.13	11N	
2T 1000W	Mp-Am	1989	1/11/1989	MAP	557687.38	5441447.09	11N	
2T 100W	Qt-al	1989	1/11/1989	MAP	558563.46	5441653.22	11N	
2T 1050W	Qt-al	1989	1/11/1989	MAP	557638.71	5441435.64	11N	
2T 1100W	Mp-Am	1989	1/11/1989	MAP	557590.04	5441424.18	11N	
2T 1150W	Mp-Am	1989	1/11/1989	MAP	557541.37	5441412.73	11N	
2T 1200W	Mp-Am	1989	1/11/1989	MAP	557492.7	5441401.28	11N	
2T 1250W	Mp-M	1989	1/11/1989	MAP	557444.03	5441389.83	11N	
2T 1300W	Mp-M	1989	1/11/1989	MAP	557395.35	5441378.38	11N	
2T 1350W	Mp-M	1989	1/11/1989	MAP	557346.68	5441366.92	11N	
2T 1400W	Mp-M	1989	1/11/1989	MAP	557298.01	5441355.47	11N	
2T 150W	Qt-al	1989	1/11/1989	MAP	558514.78	5441641.77	11N	
2T 200W	Qt-al	1989	1/11/1989	MAP	558466.11	5441630.32	11N	
2T 250W	Qt-al	1989	1/11/1989	MAP	558417.44	5441618.87	11N	
2T 300W	Qt-al	1989	1/11/1989	MAP	558368.77	5441607.42	11N	
2T 350W	Qt-al	1989	1/11/1989	MAP	558320.1	5441595.96	11N	
2T 400W	Mp-Am	1989	1/11/1989	MAP	558271.43	5441584.51	11N	
2T 450W	Mp-Am	1989	1/11/1989	MAP	558222.76	5441573.06	11N	
2T 500W	Mp-Am	1989	1/11/1989	MAP	558174.09	5441561.61	11N	
2T 50W	Qt-al	1989	1/11/1989	MAP	558612.13	5441664.68	11N	
2T 550W	Mp-Am	1989	1/11/1989	MAP	558125.42	5441550.16	11N	
2T 600W	Mp-Am	1989	1/11/1989	MAP	558076.75	5441538.7	11N	
2T 650W	Mp-Am	1989	1/11/1989	MAP	558028.08	5441527.25	11N	
2T 700W	Mp-Am	1989	1/11/1989	MAP	557979.4	5441515.8	11N	
2T 750W	Mp-Am	1989	1/11/1989	MAP	557930.73	5441504.35	11N	
2T 800W	Mp-Am	1989	1/11/1989	MAP	557882.06	5441492.9	11N	
2T 850W	Mp-Am	1989	1/11/1989	MAP	557833.39	5441481.44	11N	
2T 900W	Mp-Am	1989	1/11/1989	MAP	557784.72	5441469.99	11N	
2T 950W	Mp-Am	1989	1/11/1989	MAP	557736.05	5441458.54	11N	
2U 0W	Qt-al	1989	1/11/1989	MAP	558634.92	5441766.7	11N	
2U 1000W	Mp-Am	1989	1/11/1989	MAP	557661.36	5441538.25	11N	
2U 100W	Qt-al	1989	1/11/1989	MAP	558537.56	5441743.86	11N	
2U 1050W	Qt-al	1989	1/11/1989	MAP	557612.69	5441526.83	11N	
2U 1100W	Qt-al	1989	1/11/1989	MAP	557564.01	5441515.41	11N	
2U 1150W	Mp-Am	1989	1/11/1989	MAP	557515.33	5441503.98	11N	
2U 1200W	Mp-Am	1989	1/11/1989	MAP	557466.65	5441492.56	11N	
2U 1250W	Mp-M	1989	1/11/1989	MAP	557417.97	5441481.14	11N	
2U 1300W	Mp-M	1989	1/11/1989	MAP	557369.3	5441469.71	11N	
2U 1350W	Mp-M	1989	1/11/1989	MAP	557320.62	5441458.29	11N	
2U 1400W	Mp-M	1989	1/11/1989	MAP	557271.94	5441446.87	11N	
2U 150W	Qt-al	1989	1/11/1989	MAP	558488.89	5441732.43	11N	
2U 200W	Qt-al	1989	1/11/1989	MAP	558440.21	5441721.01	11N	
2U 250W	Qt-al	1989	1/11/1989	MAP	558391.53	5441709.59	11N	
2U 300W	Qt-al	1989	1/11/1989	MAP	558342.85	5441698.17	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
2U 350W	Qt-al	1989	1/11/1989	MAP	558294.17	5441686.74	11N	
2U 400W	Mp-Am	1989	1/11/1989	MAP	558245.5	5441675.32	11N	
2U 450W	Mp-Am	1989	1/11/1989	MAP	558196.82	5441663.9	11N	
2U 500W	Mp-Am	1989	1/11/1989	MAP	558148.14	5441652.48	11N	
2U 50W	Qt-al	1989	1/11/1989	MAP	558586.24	5441755.28	11N	
2U 550W	Mp-Am	1989	1/11/1989	MAP	558099.46	5441641.05	11N	
2U 600W	Mp-Am	1989	1/11/1989	MAP	558050.79	5441629.63	11N	
2U 650W	Mp-Am	1989	1/11/1989	MAP	558002.11	5441618.21	11N	
2U 700W	Mp-Am	1989	1/11/1989	MAP	557953.43	5441606.79	11N	
2U 750W	Mp-Am	1989	1/11/1989	MAP	557904.75	5441595.36	11N	
2U 800W	Mp-Am	1989	1/11/1989	MAP	557856.07	5441583.94	11N	
2U 850W	Mp-Am	1989	1/11/1989	MAP	557807.4	5441572.52	11N	
2U 900W	Mp-Am	1989	1/11/1989	MAP	557758.72	5441561.1	11N	
2U 950W	Mp-Am	1989	1/11/1989	MAP	557710.04	5441549.67	11N	
2V 0W	Qt-al	1989	1/11/1989	MAP	558607.42	5441860.51	11N	
2V 1000W	Qt-al	1989	1/11/1989	MAP	557636.16	5441628.16	11N	
2V 100W	Qt-al	1989	1/11/1989	MAP	558509.44	5441840.55	11N	
2V 1050W	Qt-al	1989	1/11/1989	MAP	557587.5	5441616.66	11N	
2V 1100W	Qt-al	1989	1/11/1989	MAP	557538.84	5441605.17	11N	
2V 1150W	Qt-al	1989	1/11/1989	MAP	557490.18	5441593.67	11N	
2V 1200W	Mp-Am	1989	1/11/1989	MAP	557441.52	5441582.17	11N	
2V 1250W	Mp-M	1989	1/11/1989	MAP	557392.86	5441570.67	11N	
2V 1300W	Mp-M	1989	1/11/1989	MAP	557344.2	5441559.17	11N	
2V 1350W	Mp-M	1989	1/11/1989	MAP	557295.54	5441547.67	11N	
2V 1400W	Mp-M	1989	1/11/1989	MAP	557246.88	5441536.18	11N	
2V 150W	Qt-al	1989	1/11/1989	MAP	558460.44	5441830.56	11N	
2V 200W	Qt-al	1989	1/11/1989	MAP	558411.45	5441820.58	11N	
2V 250W	Qt-al	1989	1/11/1989	MAP	558362.46	5441810.6	11N	
2V 300W	Qt-al	1989	1/11/1989	MAP	558313.46	5441800.62	11N	
2V 350W	Qt-al	1989	1/11/1989	MAP	558264.47	5441790.63	11N	
2V 400W	Qt-al	1989	1/11/1989	MAP	558215.48	5441780.65	11N	
2V 450W	Mp-Am	1989	1/11/1989	MAP	558166.48	5441770.67	11N	
2V 500W	Mp-Am	1989	1/11/1989	MAP	558117.49	5441760.69	11N	
2V 50W	Qt-al	1989	1/11/1989	MAP	558558.43	5441850.53	11N	
2V 550W	Mp-Am	1989	1/11/1989	MAP	558068.5	5441750.71	11N	
2V 600W	Mp-Am	1989	1/11/1989	MAP	558019.5	5441740.72	11N	
2V 650W	Mp-Am	1989	1/11/1989	MAP	557970.51	5441730.74	11N	
2V 700W	Mp-Am	1989	1/11/1989	MAP	557928.12	5441697.15	11N	
2V 750W	Mp-Am	1989	1/11/1989	MAP	557879.46	5441685.66	11N	
2V 800W	Mp-Am	1989	1/11/1989	MAP	557830.8	5441674.16	11N	
2V 850W	Mp-Am	1989	1/11/1989	MAP	557782.14	5441662.66	11N	
2V 900W	Mp-Am	1989	1/11/1989	MAP	557733.48	5441651.16	11N	
2V 950W	Mp-Am	1989	1/11/1989	MAP	557684.82	5441639.66	11N	
2W 0W	Qt-al	1989	1/11/1989	MAP	558579.93	5441952.7	11N	
2W 1000W	Qt-al	1989	1/11/1989	MAP	557605.45	5441728.23	11N	
2W 100W	Qt-al	1989	1/11/1989	MAP	558482.48	5441930.26	11N	
2W 1050W	Qt-al	1989	1/11/1989	MAP	557556.72	5441717	11N	

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2W 1100W	Qt-al	1989	1/11/1989	MAP	557508	5441705.78	11N	
2W 1150W	Qt-al	1989	1/11/1989	MAP	557459.27	5441694.56	11N	
2W 1200W	Qt-al	1989	1/11/1989	MAP	557410.55	5441683.33	11N	
2W 1250W	Mp-M	1989	1/11/1989	MAP	557361.83	5441672.11	11N	
2W 1300W	Mp-M	1989	1/11/1989	MAP	557313.1	5441660.89	11N	
2W 1350W	Mp-M	1989	1/11/1989	MAP	557264.38	5441649.66	11N	
2W 1400W	Mp-M	1989	1/11/1989	MAP	557215.65	5441638.44	11N	
2W 150W	Qt-al	1989	1/11/1989	MAP	558433.75	5441919.03	11N	
2W 200W	Qt-al	1989	1/11/1989	MAP	558385.03	5441907.81	11N	
2W 250W	Qt-al	1989	1/11/1989	MAP	558336.31	5441896.58	11N	
2W 300W	Qt-al	1989	1/11/1989	MAP	558287.58	5441885.36	11N	
2W 350W	Qt-al	1989	1/11/1989	MAP	558238.86	5441874.14	11N	
2W 400W	Qt-al	1989	1/11/1989	MAP	558190.13	5441862.91	11N	
2W 450W	Qt-al	1989	1/11/1989	MAP	558141.41	5441851.69	11N	
2W 500W	Mp-Am	1989	1/11/1989	MAP	558092.69	5441840.47	11N	
2W 50W	Qt-al	1989	1/11/1989	MAP	558531.2	5441941.48	11N	
2W 550W	Mp-Am	1989	1/11/1989	MAP	558043.96	5441829.24	11N	
2W 600W	Mp-Am	1989	1/11/1989	MAP	557995.24	5441818.02	11N	
2W 650W	Mp-Am	1989	1/11/1989	MAP	557946.51	5441806.79	11N	
2W 700W	Mp-Am	1989	1/11/1989	MAP	557897.79	5441795.57	11N	
2W 750W	Mp-Am	1989	1/11/1989	MAP	557849.07	5441784.35	11N	
2W 800W	Mp-Am	1989	1/11/1989	MAP	557800.34	5441773.12	11N	
2W 850W	Mp-Am	1989	1/11/1989	MAP	557751.62	5441761.9	11N	
2W 900W	Qt-al	1989	1/11/1989	MAP	557702.89	5441750.68	11N	
2W 950W	Qt-al	1989	1/11/1989	MAP	557654.17	5441739.45	11N	
2X 0W	Qt-al	1989	1/11/1989	MAP	558550.81	5442061.07	11N	
2X 1000W	Qt-al	1989	1/11/1989	MAP	557578.41	5441827.78	11N	
2X 100W	Qt-al	1989	1/11/1989	MAP	558453.57	5442037.74	11N	
2X 1050W	Qt-al	1989	1/11/1989	MAP	557529.79	5441816.12	11N	
2X 1100W	Qt-al	1989	1/11/1989	MAP	557481.16	5441804.45	11N	
2X 1150W	Qt-al	1989	1/11/1989	MAP	557432.54	5441792.79	11N	
2X 1200W	Qt-al	1989	1/11/1989	MAP	557383.92	5441781.13	11N	
2X 1250W	Qt-al	1989	1/11/1989	MAP	557335.3	5441769.46	11N	
2X 1300W	Mp-M	1989	1/11/1989	MAP	557286.68	5441757.8	11N	
2X 1350W	Mp-M	1989	1/11/1989	MAP	557238.06	5441746.13	11N	
2X 1400W	Mp-M	1989	1/11/1989	MAP	557189.44	5441734.47	11N	
2X 150W	Qt-al	1989	1/11/1989	MAP	558404.95	5442026.08	11N	
2X 200W	Qt-al	1989	1/11/1989	MAP	558356.33	5442014.41	11N	
2X 250W	Qt-al	1989	1/11/1989	MAP	558307.71	5442002.75	11N	
2X 300W	Qt-al	1989	1/11/1989	MAP	558259.09	5441991.08	11N	
2X 350W	Qt-al	1989	1/11/1989	MAP	558210.47	5441979.42	11N	
2X 400W	Qt-al	1989	1/11/1989	MAP	558161.85	5441967.75	11N	
2X 450W	Qt-al	1989	1/11/1989	MAP	558113.23	5441956.09	11N	
2X 500W	Qt-al	1989	1/11/1989	MAP	558064.61	5441944.43	11N	
2X 50W	Qt-al	1989	1/11/1989	MAP	558502.19	5442049.4	11N	
2X 550W	Qt-al	1989	1/11/1989	MAP	558015.99	5441932.76	11N	
2X 600W	Qt-al	1989	1/11/1989	MAP	557967.37	5441921.1	11N	

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2X 650W	Qt-al	1989	1/11/1989	MAP	557918.75	5441909.43	11N	
2X 700W	Qt-al	1989	1/11/1989	MAP	557870.13	5441897.77	11N	
2X 750W	Qt-al	1989	1/11/1989	MAP	557821.51	5441886.1	11N	
2X 800W	Qt-al	1989	1/11/1989	MAP	557772.89	5441874.44	11N	
2X 850W	Qt-al	1989	1/11/1989	MAP	557724.27	5441862.78	11N	
2X 900W	Qt-al	1989	1/11/1989	MAP	557675.65	5441851.11	11N	
2X 950W	Qt-al	1989	1/11/1989	MAP	557627.03	5441839.45	11N	
BKGFD001	Mp-Am	2012	6/21/2012	GPS	558503	5437026	11N	1
BKGFD002	Mp-Am	2012	6/21/2012	MAP	558492.93	5437026.27	11N	
BKGFD003	Mp-Am	2012	6/21/2012	MAP	558482.87	5437026.53	11N	
BKGFD004	Mp-Am	2012	6/21/2012	MAP	558472.8	5437026.8	11N	
BKGFD005	Mp-Am	2012	6/21/2012	MAP	558462.73	5437027.07	11N	
BKGFD006	Mp-Am	2012	6/21/2012	MAP	558452.67	5437027.33	11N	
BKGFD007	Mp-Am	2012	6/21/2012	MAP	558442.6	5437027.6	11N	
BKGFD008	Mp-Am	2012	6/21/2012	MAP	558432.53	5437027.87	11N	
BKGFD009	Mp-Am	2012	6/21/2012	MAP	558422.47	5437028.13	11N	
BKGFD010	Mp-Am	2012	6/21/2012	MAP	558412.4	5437028.4	11N	
BKGFD011	Mp-Am	2012	6/21/2012	MAP	558402.33	5437028.67	11N	
BKGFD012	Mp-Am	2012	6/21/2012	MAP	558392.27	5437028.93	11N	
BKGFD013	Mp-Am	2012	6/21/2012	MAP	558382.2	5437029.2	11N	
BKGFD014	Mp-Am	2012	6/21/2012	MAP	558372.13	5437029.47	11N	
BKGFD015	Mp-Am	2012	6/21/2012	MAP	558362.07	5437029.73	11N	
BKGFD016	Mp-Am	2012	6/21/2012	GPS	558352	5437030	11N	1
BKGFD017	Mp-Am	2012	6/21/2012	MAP	558340.57	5437027.5	11N	
BKGFD018	Mp-Am	2012	6/21/2012	MAP	558329.14	5437025	11N	
BKGFD019	Mp-Am	2012	6/21/2012	MAP	558317.71	5437022.5	11N	
BKGFD020	Mp-Am	2012	6/21/2012	MAP	558306.29	5437020	11N	
BKGFD021	Mp-Am	2012	6/21/2012	MAP	558294.86	5437017.5	11N	
BKGFD022	Mp-Am	2012	6/21/2012	MAP	558283.43	5437015	11N	
BKGFD023	Mp-Am	2012	6/21/2012	MAP	558272	5437012.5	11N	
BKGFD024	Mp-Am	2012	6/21/2012	MAP	558260.57	5437010	11N	
BKGFD025	Mp-Am	2012	6/21/2012	MAP	558249.14	5437007.5	11N	
BKGFD026	Mp-Am	2012	6/21/2012	MAP	558237.71	5437005	11N	
BKGFD027	Mp-Am	2012	6/21/2012	MAP	558226.29	5437002.5	11N	
BKGFD028	Mp-Am	2012	6/21/2012	MAP	558214.86	5437000	11N	
BKGFD029	Mp-Am	2012	6/21/2012	MAP	558203.43	5436997.5	11N	
BKGFD030	Mp-Am	2012	6/21/2012	GPS	558192	5436995	11N	1
GFL001 00+00	Mp-Am	2012	6/18/2012	GPS	554499	5443389	11N	1
GFL001 00+25E	Mp-Am	2012	6/18/2012	MAP	554512.73	5443369.98	11N	
GFL001 00+50E	Mp-Am	2012	6/18/2012	MAP	554526.47	5443350.96	11N	
GFL001 00+75E	Mp-Am	2012	6/18/2012	MAP	554536.58	5443330.14	11N	
GFL001 01+00E	Mp-Am	2012	6/18/2012	MAP	554543.47	5443307.71	11N	
GFL001 01+25E	Mp-Am	2012	6/18/2012	MAP	554550.35	5443285.28	11N	
GFL001 01+50E	Mp-Am	2012	6/18/2012	MAP	554557.23	5443262.86	11N	
GFL001 01+75E	Mp-Am	2012	6/18/2012	MAP	554564.12	5443240.43	11N	
GFL001 02+00E	Mp-Am	2012	6/18/2012	GPS	554571	5443218	11N	7
GFL001 02+25E	Mp-Am	2012	6/18/2012	MAP	554588.38	5443201.67	11N	

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GFL001 02+50E	Mp-Am	2012	6/18/2012	MAP	554606.6	5443186.4	11N	
GFL001 02+75E	Mp-Am	2012	6/18/2012	MAP	554626.25	5443172.89	11N	
GFL001 03+00E	Mp-Am	2012	6/18/2012	MAP	554645.9	5443159.38	11N	
GFL001 03+25E	Mp-Am	2012	6/18/2012	MAP	554665.55	5443145.87	11N	
GFL001 03+50E	Mp-Am	2012	6/18/2012	MAP	554679.28	5443126.78	11N	
GFL001 03+75E	Mp-Am	2012	6/18/2012	MAP	554691.64	5443106.39	11N	
GFL001 04+00E	Mp-Am	2012	6/18/2012	GPS	554704	5443086	11N	5
GFL001 04+25E	Mp-Am	2012	6/18/2012	MAP	554720.32	5443068.51	11N	
GFL001 04+50E	Mp-Am	2012	6/18/2012	MAP	554736.63	5443051.03	11N	
GFL001 04+75E	Mp-Am	2012	6/18/2012	MAP	554752.95	5443033.54	11N	
GFL001 05+00E	Mp-Am	2012	6/18/2012	MAP	554769.26	5443016.06	11N	
GFL001 05+25E	Mp-Am	2012	6/18/2012	MAP	554783.22	5442996.99	11N	
GFL001 05+50E	Mp-Am	2012	6/18/2012	MAP	554793.25	5442975.27	11N	
GFL001 05+75E	Mp-Am	2012	6/18/2012	MAP	554799.57	5442952.29	11N	
GFL001 06+00E	Mp-Am	2012	6/18/2012	GPS	554805	5442929	11N	5
GFL001 06+25E	Mp-Am	2012	6/18/2012	MAP	554813.94	5442910.61	11N	
GFL001 06+50E	Mp-Am	2012	6/18/2012	MAP	554834.49	5442899.56	11N	
GFL001 06+75E	Mp-Am	2012	6/18/2012	MAP	554855.04	5442888.51	11N	
GFL001 07+00E	Mp-Am	2012	6/18/2012	MAP	554875.59	5442877.47	11N	
GFL001 07+25E	Mp-Am	2012	6/18/2012	MAP	554892.7	5442861.62	11N	
GFL001 07+50E	Mp-Am	2012	6/18/2012	MAP	554909.8	5442845.75	11N	
GFL001 07+75E	Mp-Am	2012	6/18/2012	MAP	554926.9	5442829.87	11N	
GFL001 08+00E	Mp-Am	2012	6/18/2012	GPS	554944	5442814	11N	5
GFL001 08+25E	Mp-Am	2012	6/18/2012	MAP	554962.15	5442800.66	11N	
GFL001 08+50E	Mp-Am	2012	6/18/2012	MAP	554980.3	5442787.32	11N	
GFL001 08+75E	Mp-Am	2012	6/18/2012	MAP	554998.45	5442773.99	11N	
GFL001 09+00E	Mp-Am	2012	6/18/2012	MAP	555016.6	5442760.65	11N	
GFL001 09+25E	Mp-Am	2012	6/18/2012	MAP	555034.75	5442747.31	11N	
GFL001 09+50E	Mp-Am	2012	6/18/2012	MAP	555054.33	5442736.37	11N	
GFL001 09+75E	Mp-Am	2012	6/18/2012	MAP	555074.66	5442726.68	11N	
GFL001 10+00E	Mp-Am	2012	6/18/2012	GPS	555095	5442717	11N	6
GFL001 10+25E	Mp-Am	2012	6/18/2012	MAP	555118.21	5442703.06	11N	
GFL001 10+50E	Mp-Am	2012	6/18/2012	MAP	555141.43	5442689.11	11N	
GFL001 10+75E	Mp-Am	2012	6/18/2012	MAP	555165.92	5442677.85	11N	
GFL001 11+00E	Mp-Am	2012	6/18/2012	MAP	555191.34	5442668.52	11N	
GFL001 11+25E	Mp-Am	2012	6/18/2012	MAP	555216.76	5442659.2	11N	
GFL001 11+50E	Mp-Am	2012	6/18/2012	MAP	555242.96	5442653.53	11N	
GFL001 11+75E	Mp-Am	2012	6/18/2012	MAP	555269.98	5442651.76	11N	
GFL001 12+00E	Mp-Am	2012	6/18/2012	GPS	555297	5442650	11N	8
GFL001 12+25E	Mp-Am	2012	6/18/2012	MAP	555320.5	5442640	11N	
GFL001 12+50E	Mp-Am	2012	6/18/2012	MAP	555344	5442630	11N	
GFL001 12+75E	Mp-Am	2012	6/18/2012	MAP	555367.5	5442620	11N	
GFL001 13+00E	Mp-Am	2012	6/18/2012	GPS	555391	5442610	11N	6
GFL002 00+00	Mp-Am	2012	6/19/2012	GPS	555928.29	5441140.04	11N	7
GFL002 00+25W	Mp-Am	2012	6/19/2012	MAP	555925.28	5441168.43	11N	
GFL002 00+50W	Mp-Am	2012	6/19/2012	MAP	555917.92	5441196	11N	
GFL002 00+75W	Mp-Am	2012	6/19/2012	MAP	555905.27	5441221.58	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
GFL002 01+00W	Mp-Am	2012	6/19/2012	MAP	555887.17	5441243.64	11N	
GFL002 01+25W	Mp-Am	2012	6/19/2012	MAP	555864.14	5441260.5	11N	
GFL002 01+50W	Mp-Am	2012	6/19/2012	MAP	555837.11	5441269.6	11N	
GFL002 01+75W	Mp-Am	2012	6/19/2012	MAP	555808.7	5441272.33	11N	
GFL002 02+00W	Mp-Am	2012	6/19/2012	GPS	555780.29	5441275.04	11N	3
GFL002 02+25W	Mp-Am	2012	6/19/2012	MAP	555752.55	5441285.22	11N	
GFL002 02+50W	Mp-Am	2012	6/19/2012	MAP	555724.8	5441295.39	11N	
GFL002 02+75W	Mp-Am	2012	6/19/2012	MAP	555695.9	5441301.53	11N	
GFL002 03+00W	Mp-Am	2012	6/19/2012	MAP	555666.42	5441299.61	11N	
GFL002 03+25W	Mp-Am	2012	6/19/2012	MAP	555648.9	5441275.81	11N	
GFL002 03+50W	Mp-Am	2012	6/19/2012	MAP	555631.69	5441251.79	11N	
GFL002 03+75W	Mp-Am	2012	6/19/2012	MAP	555607.15	5441235.34	11N	
GFL002 04+00W	Mp-Am	2012	6/19/2012	GPS	555581.29	5441221.04	11N	9
GFL002 04+25W	Mp-Am	2012	6/19/2012	MAP	555557.11	5441213.52	11N	
GFL002 04+50W	Mp-Am	2012	6/19/2012	MAP	555531.82	5441212.1	11N	
GFL002 04+75W	Mp-Am	2012	6/19/2012	MAP	555506.53	5441213.53	11N	
GFL002 05+00W	Mp-Am	2012	6/19/2012	MAP	555482.41	5441221.21	11N	
GFL002 05+25W	Mp-Am	2012	6/19/2012	MAP	555465.09	5441239.7	11N	
GFL002 05+50W	Mp-Am	2012	6/19/2012	MAP	555449.2	5441259.43	11N	
GFL002 05+75W	Mp-Am	2012	6/19/2012	MAP	555430.41	5441276.42	11N	
GFL002 06+00W	Mp-Am	2012	6/19/2012	GPS	555411.29	5441293.04	11N	11
GFL002 06+25W	Mp-Am	2012	6/19/2012	MAP	555394.04	5441317.31	11N	
GFL002 06+50W	Mp-Am	2012	6/19/2012	MAP	555378.57	5441342.75	11N	
GFL002 06+75W	Mp-Am	2012	6/19/2012	MAP	555351.36	5441354.65	11N	
GFL002 07+00W	Mp-Am	2012	6/19/2012	MAP	555322.49	5441361.82	11N	
GFL002 07+25W	Mp-Am	2012	6/19/2012	MAP	555297.77	5441378.31	11N	
GFL002 07+50W	Mp-Am	2012	6/19/2012	MAP	555268.54	5441383.97	11N	
GFL002 07+75W	Mp-Am	2012	6/19/2012	MAP	555239.66	5441391.21	11N	
GFL002 08+00W	Mp-Am	2012	6/19/2012	GPS	555213.3	5441405.04	11N	5
GFL002 08+25W	Mp-Am	2012	6/19/2012	MAP	555188.75	5441413.02	11N	
GFL002 08+50W	Mp-Am	2012	6/19/2012	MAP	555165.46	5441424.13	11N	
GFL002 08+75W	Mp-Am	2012	6/19/2012	MAP	555144.51	5441439.2	11N	
GFL002 09+00W	Mp-Am	2012	6/19/2012	MAP	555123.6	5441454.32	11N	
GFL002 09+25W	Mp-Am	2012	6/19/2012	MAP	555098.56	5441460.31	11N	
GFL002 09+50W	Mp-Am	2012	6/19/2012	MAP	555072.82	5441460.44	11N	
GFL002 09+75W	Mp-Am	2012	6/19/2012	MAP	555054.31	5441442.46	11N	
GFL002 10+00W	Mp-Am	2012	6/19/2012	GPS	555037.3	5441423.04	11N	1
GFL002 10+25W	Mp-Am	2012	6/19/2012	MAP	555022.67	5441400.67	11N	
GFL002 10+50W	Mp-Am	2012	6/19/2012	MAP	555008.05	5441378.29	11N	
GFL002 10+75W	Mp-Am	2012	6/19/2012	MAP	554993.42	5441355.92	11N	
GFL002 11+00W	Mp-Am	2012	6/19/2012	MAP	554978.8	5441333.54	11N	
GFL002 11+25W	Mp-Am	2012	6/19/2012	MAP	554964.17	5441311.17	11N	
GFL002 11+50W	Mp-Am	2012	6/19/2012	MAP	554949.55	5441288.79	11N	
GFL002 11+75W	Mp-Am	2012	6/19/2012	MAP	554934.92	5441266.42	11N	
GFL002 12+00W	Mp-Am	2012	6/19/2012	GPS	554920.3	5441244.04	11N	1
GFL002 12+25W	Mp-Am	2012	6/19/2012	MAP	554910.02	5441222.4	11N	
GFL002 12+50W	Mp-Am	2012	6/19/2012	MAP	554893.17	5441205.64	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
GFL002 12+75W	Mp-Am	2012	6/19/2012	MAP	554874.87	5441190.17	11N	
GFL002 13+00W	Mp-Am	2012	6/19/2012	MAP	554860.17	5441171.72	11N	
GFL002 13+25W	Mp-Am	2012	6/19/2012	MAP	554848.15	5441150.99	11N	
GFL002 13+50W	Mp-Am	2012	6/19/2012	MAP	554836.13	5441130.26	11N	
GFL002 13+75W	Mp-Am	2012	6/19/2012	MAP	554824.1	5441109.53	11N	
GFL002 14+00W	Mp-Am	2012	6/19/2012	GPS	554812.08	5441088.8	11N	9
GFL002 14+25W	Mp-Am	2012	6/19/2012	MAP	554799.28	5441066.73	11N	
GFL002 14+50W	Mp-Am	2012	6/19/2012	MAP	554787.99	5441043.85	11N	
GFL002 14+75W	Mp-Am	2012	6/19/2012	MAP	554776.82	5441020.91	11N	
GFL002 15+00W	Mp-Am	2012	6/19/2012	MAP	554764.43	5440998.6	11N	
GFL002 15+25W	Mp-Am	2012	6/19/2012	MAP	554749.5	5440977.93	11N	
GFL002 15+50W	Mp-Am	2012	6/19/2012	MAP	554728.06	5440964.39	11N	
GFL002 15+75W	Mp-Am	2012	6/19/2012	MAP	554709.79	5440946.68	11N	
GFL002 16+00W	Mp-Am	2012	6/19/2012	GPS	554690.39	5440930.11	11N	1
GFL002 16+25W	Mp-Am	2012	6/19/2012	MAP	554670.06	5440917.5	11N	
GFL002 16+50W	Mp-Am	2012	6/19/2012	MAP	554648.22	5440907.82	11N	
GFL002 16+75W	Mp-Am	2012	6/19/2012	GPS	554627.37	5440896.21	11N	8
GFL002 17+00W	Mp-Am	2012	6/19/2012	MAP	554607.15	5440883.42	11N	
GFL002 17+25W	Mp-Am	2012	6/20/2012	MAP	554588.4	5440868.72	11N	
GFL002 17+50W	Mp-Am	2012	6/20/2012	MAP	554570.92	5440852.39	11N	
GFL002 17+75W	Mp-Am	2012	6/20/2012	MAP	554553.45	5440836.05	11N	
GFL002 18+00W	Mp-Am	2012	6/20/2012	GPS	554535.97	5440819.71	11N	15
GFL002 18+25W	Mp-Am	2012	6/20/2012	MAP	554518.06	5440802.98	11N	
GFL002 18+50W	Mp-Am	2012	6/20/2012	MAP	554500.54	5440785.86	11N	
GFL002 18+75W	Mp-Am	2012	6/20/2012	MAP	554483.98	5440767.79	11N	
GFL002 19+00W	Mp-Am	2012	6/20/2012	MAP	554467.11	5440750.02	11N	
GFL002 19+25W	Mp-Am	2012	6/20/2012	MAP	554448.82	5440733.71	11N	
GFL002 19+50W	Mp-Am	2012	6/20/2012	MAP	554429.29	5440719.04	11N	
GFL002 19+75W	Mp-M	2012	6/20/2012	MAP	554406.6	5440709.77	11N	
GFL002 20+00W	Mp-M	2012	6/20/2012	GPS	554383.91	5440700.5	11N	1
GFL002 20+25W	Mp-Au	2012	6/20/2012	MAP	554355.8	5440689.01	11N	
GFL002 20+50W	Mp-Au	2012	6/20/2012	MAP	554327.21	5440683.08	11N	
GFL002 20+75W	Mp-Au	2012	6/20/2012	MAP	554297.58	5440689.74	11N	
GFL002 21+00W	Mp-Au	2012	6/20/2012	MAP	554267.94	5440696.39	11N	
GFL002 21+25W	Mp-Au	2012	6/20/2012	GPS	554238.3	5440703.04	11N	11
GFL003 00+00	Mp-Au	2012	6/20/2012	GPS	553705	5441637	11N	17
GFL003 00+25E	Mp-Cl	2012	6/20/2012	MAP	553715.45	5441663.01	11N	
GFL003 00+50E	Mp-Cl	2012	6/20/2012	MAP	553723.09	5441683.61	11N	
GFL003 00+75E	Mp-Cl	2012	6/20/2012	MAP	553732.17	5441706.89	11N	
GFL003 01+00E	Mp-Cl	2012	6/20/2012	MAP	553741.45	5441730.1	11N	
GFL003 01+25E	Mp-Cl	2012	6/20/2012	MAP	553750.74	5441753.31	11N	
GFL003 01+50E	Mp-Cl	2012	6/20/2012	MAP	553766.49	5441771.95	11N	
GFL003 01+75E	Mp-Cl	2012	6/20/2012	MAP	553785.25	5441788.47	11N	
GFL003 02+00E	Mp-Cl	2012	6/20/2012	GPS	553804	5441805	11N	7
GFL003 02+25E	Mp-Cl	2012	6/20/2012	MAP	553830	5441807.38	11N	
GFL003 02+50E	Mp-Cl	2012	6/20/2012	MAP	553856	5441809.75	11N	
GFL003 02+75E	Mp-Cl	2012	6/20/2012	MAP	553882	5441812.13	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
GFL003 03+00E	Mp-Cl	2012	6/20/2012	MAP	553908	5441814.5	11N	
GFL003 03+25E	Mp-Cl	2012	6/20/2012	MAP	553934	5441816.88	11N	
GFL003 03+50E	Mp-Cl	2012	6/20/2012	MAP	553960	5441819.25	11N	
GFL003 03+75E	Mp-Cl	2012	6/20/2012	MAP	553986	5441821.63	11N	
GFL003 04+00E	Mp-Cl	2012	6/20/2012	GPS	554012	5441824	11N	15
GFL003 04+25E	Mp-Am	2012	6/20/2012	MAP	554031.91	5441839.83	11N	
GFL003 04+50E	Mp-Am	2012	6/20/2012	MAP	554051.83	5441855.66	11N	
GFL003 04+75E	Mp-Am	2012	6/20/2012	MAP	554071.74	5441871.49	11N	
GFL003 05+00E	Mp-Am	2012	6/20/2012	MAP	554093.78	5441884.01	11N	
GFL003 05+25E	Mp-Am	2012	6/21/2012	MAP	554116.44	5441895.57	11N	
GFL003 05+50E	Mp-Am	2012	6/21/2012	MAP	554139.1	5441907.14	11N	
GFL003 05+75E	Mp-Am	2012	6/21/2012	MAP	554163.57	5441910.68	11N	
GFL003 06+00E	Mp-Am	2012	6/21/2012	GPS	554189	5441910	11N	7
GFL003 06+25E	Mp-Am	2012	6/21/2012	MAP	554215.31	5441897.04	11N	
GFL003 06+50E	Mp-Am	2012	6/21/2012	MAP	554243.35	5441889.72	11N	
GFL003 06+75E	Mp-Am	2012	6/21/2012	MAP	554264.94	5441902.48	11N	
GFL003 07+00E	Mp-Am	2012	6/21/2012	MAP	554277.67	5441928.5	11N	
GFL003 07+25E	Mp-Am	2012	6/21/2012	MAP	554285.98	5441956.62	11N	
GFL003 07+50E	Mp-Am	2012	6/21/2012	MAP	554296.18	5441983.81	11N	
GFL003 07+75E	Mp-Am	2012	6/21/2012	MAP	554313.59	5442007.4	11N	
GFL003 08+00E	Mp-Am	2012	6/21/2012	GPS	554331	5442031	11N	3
GFL003 08+25E	Mp-Am	2012	6/21/2012	MAP	554343.88	5442053.54	11N	
GFL003 08+50E	Mp-Am	2012	6/21/2012	MAP	554356.75	5442076.08	11N	
GFL003 08+75E	Mp-Am	2012	6/21/2012	MAP	554373.03	5442096.21	11N	
GFL003 09+00E	Mp-Am	2012	6/21/2012	MAP	554390	5442115.86	11N	
GFL003 09+25E	Mp-Am	2012	6/21/2012	MAP	554406.97	5442135.51	11N	
GFL003 09+50E	Mp-Am	2012	6/21/2012	MAP	554427.96	5442149.77	11N	
GFL003 09+75E	Mp-Am	2012	6/21/2012	MAP	554451.6	5442160.49	11N	
GFL003 10+00E	Mp-Am	2012	6/21/2012	GPS	554475.24	5442171.21	11N	5
GFL003 10+25E	Mp-Am	2012	6/21/2012	MAP	554498.89	5442181.94	11N	
GFL003 10+50E	Mp-Am	2012	6/21/2012	MAP	554522.53	5442192.66	11N	
GFL003 10+75E	Mp-Am	2012	6/21/2012	MAP	554546.23	5442203.23	11N	
GFL003 11+00E	Mp-Am	2012	6/21/2012	MAP	554570.06	5442213.53	11N	
GFL003 11+25E	Mp-Am	2012	6/21/2012	MAP	554594.14	5442222.57	11N	
GFL003 11+50E	Mp-Am	2012	6/21/2012	MAP	554620.09	5442222.04	11N	
GFL003 11+75E	Mp-Am	2012	6/21/2012	MAP	554646.05	5442221.52	11N	
GFL003 12+00E	Mp-Am	2012	6/21/2012	GPS	554672	5442221	11N	7
GFL003 12+25E	Mp-Am	2012	6/21/2012	MAP	554694.24	5442230.22	11N	
GFL003 12+50E	Mp-Am	2012	6/21/2012	MAP	554716.48	5442239.44	11N	
GFL003 12+75E	Mp-Am	2012	6/21/2012	MAP	554739.32	5442246.75	11N	
GFL003 13+00E	Mp-Am	2012	6/21/2012	MAP	554762.82	5442251.98	11N	
GFL003 13+25E	Mp-Am	2012	6/21/2012	MAP	554786.32	5442257.2	11N	
GFL003 13+50E	Mp-Am	2012	6/21/2012	MAP	554809.91	5442261.37	11N	
GFL003 13+75E	Mp-Am	2012	6/21/2012	MAP	554833.95	5442260.19	11N	
GFL003 14+00E	Mp-Am	2012	6/21/2012	GPS	554858	5442259	11N	3
GFL003 14+25E	Mp-Am	2012	6/21/2012	MAP	554882.03	5442251.6	11N	
GFL003 14+50E	Mp-Am	2012	6/21/2012	MAP	554905.35	5442242.75	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
GFL003 14+75E	Mp-Am	2012	6/21/2012	MAP	554925.9	5442228.27	11N	
GFL003 15+00E	Mp-Am	2012	6/21/2012	MAP	554946.46	5442213.79	11N	
GFL003 15+25E	Mp-Am	2012	6/21/2012	MAP	554967.14	5442199.5	11N	
GFL003 15+50E	Mp-Am	2012	6/21/2012	MAP	554988.76	5442186.67	11N	
GFL003 15+75E	Mp-Am	2012	6/21/2012	MAP	555010.38	5442173.83	11N	
GFL003 16+00E	Mp-Am	2012	6/21/2012	GPS	555032	5442161	11N	7
GFL003 16+25E	Mp-Am	2012	6/21/2012	MAP	555056.59	5442145.72	11N	
GFL003 16+50E	Mp-Am	2012	6/21/2012	MAP	555081.17	5442130.45	11N	
GFL003 16+75E	Mp-Am	2012	6/21/2012	MAP	555105.11	5442114.21	11N	
GFL003 17+00E	Mp-Am	2012	6/21/2012	MAP	555128.45	5442097.1	11N	
GFL003 17+25E	Mp-Am	2012	6/21/2012	MAP	555152.29	5442080.69	11N	
GFL003 17+50E	Mp-Am	2012	6/21/2012	MAP	555180.83	5442082.73	11N	
GFL003 17+75E	Mp-Am	2012	6/21/2012	MAP	555199.93	5442104.44	11N	
GFL003 18+00E	Mp-Am	2012	6/21/2012	GPS	555223	5442118	11N	3
GFL003 18+25E	Mp-Am	2012	6/22/2012	MAP	555248.29	5442117.57	11N	
GFL003 18+50E	Mp-Am	2012	6/22/2012	MAP	555272.11	5442109.1	11N	
GFL003 18+75E	Mp-Am	2012	6/22/2012	MAP	555295.93	5442100.59	11N	
GFL003 19+00E	Mp-Am	2012	6/22/2012	MAP	555319.75	5442092.09	11N	
GFL003 19+25E	Mp-Am	2012	6/22/2012	MAP	555343.66	5442083.99	11N	
GFL003 19+50E	Mp-Am	2012	6/22/2012	MAP	555368.77	5442080.99	11N	
GFL003 19+75E	Mp-Am	2012	6/22/2012	MAP	555393.89	5442078	11N	
GFL003 20+00E	Mp-Am	2012	6/22/2012	GPS	555419	5442075	11N	8
GFL003 20+25E	Mp-Am	2012	6/22/2012	MAP	555443.66	5442071.84	11N	
GFL003 20+50E	Mp-Am	2012	6/22/2012	MAP	555468.31	5442068.67	11N	
GFL003 20+75E	Mp-Am	2012	6/22/2012	MAP	555492.85	5442065	11N	
GFL003 21+00E	Mp-Am	2012	6/22/2012	MAP	555516.44	5442057.14	11N	
GFL003 21+25E	Mp-Am	2012	6/22/2012	MAP	555540.02	5442049.28	11N	
GFL003 21+50E	Mp-Am	2012	6/22/2012	MAP	555564.31	5442046.31	11N	
GFL003 21+75E	Mp-Am	2012	6/22/2012	MAP	555589.16	5442047.16	11N	
GFL003 22+00E	Mp-Am	2012	6/22/2012	GPS	555614	5442048	11N	3
GFL003 22+25E	Mp-Am	2012	6/22/2012	MAP	555634.05	5442067.01	11N	
GFL003 22+50E	Mp-Am	2012	6/22/2012	MAP	555655.48	5442082.28	11N	
GFL003 22+75E	Mp-Am	2012	6/22/2012	MAP	555683.08	5442080.91	11N	
GFL003 23+00E	Mp-Am	2012	6/22/2012	MAP	555699.7	5442059.16	11N	
GFL003 23+25E	Mp-Am	2012	6/22/2012	MAP	555716.02	5442036.87	11N	
GFL003 23+50E	Mp-Am	2012	6/22/2012	MAP	555732.35	5442014.58	11N	
GFL003 23+75E	Mp-Am	2012	6/22/2012	MAP	555748.67	5441992.29	11N	
GFL003 24+00E	Mp-Am	2012	6/22/2012	GPS	555765	5441970	11N	3
GFL003 24+25E	Mp-Am	2012	6/22/2012	MAP	555778.6	5441949.97	11N	
GFL003 24+50E	Mp-Am	2012	6/22/2012	MAP	555792.19	5441929.95	11N	
GFL003 24+75E	Mp-Am	2012	6/22/2012	MAP	555805.79	5441909.92	11N	
GFL003 25+00E	Mp-Am	2012	6/22/2012	MAP	555819.38	5441889.9	11N	
GFL003 25+25E	Mp-Am	2012	6/22/2012	MAP	555832.98	5441869.87	11N	
GFL003 25+50E	Mp-Am	2012	6/22/2012	MAP	555846.58	5441849.85	11N	
GFL003 25+75E	Mp-Am	2012	6/22/2012	MAP	555858.06	5441828.7	11N	
GFL003 26+00E	Mp-Am	2012	6/22/2012	GPS	555860	5441805	11N	9
GFL003 26+25E	Mp-Am	2012	6/22/2012	MAP	555850.66	5441775.08	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
GFL003 26+50E	Mp-Am	2012	6/22/2012	MAP	555849.22	5441744.97	11N	
GFL003 26+75E	Mp-Am	2012	6/22/2012	MAP	555857.09	5441714.63	11N	
GFL003 27+00E	Mp-Am	2012	6/22/2012	MAP	555883.96	5441698.96	11N	
GFL003 27+25E	Mp-Am	2012	6/22/2012	MAP	555911.32	5441683.67	11N	
GFL003 27+50E	Mp-Am	2012	6/22/2012	MAP	555942.26	5441681.26	11N	
GFL003 27+75E	Mp-Am	2012	6/22/2012	MAP	555973.58	5441680.25	11N	
GFL003 28+00E	Mp-Am	2012	6/22/2012	GPS	556004.91	5441679.24	11N	8
GFL003 28+25E	Mp-Am	2012	6/22/2012	MAP	556033.17	5441689.14	11N	
GFL003 28+50E	Mp-Am	2012	6/22/2012	MAP	556059.38	5441706.32	11N	
GFL003 28+75E	Mp-Am	2012	6/22/2012	MAP	556089.47	5441710.99	11N	
GFL003 29+00E	Mp-Am	2012	6/22/2012	MAP	556120.8	5441711.61	11N	
GFL003 29+25E	Mp-Am	2012	6/22/2012	MAP	556152.11	5441711.93	11N	
GFL003 29+50E	Mp-Am	2012	6/22/2012	MAP	556182.74	5441705.29	11N	
GFL003 29+75E	Mp-Am	2012	6/22/2012	MAP	556213.37	5441698.64	11N	
GFL003 30+00E	Mp-Am	2012	6/22/2012	GPS	556244	5441692	11N	8
GFL003 30+25E	Mp-Am	2012	6/22/2012	MAP	556266.92	5441687.72	11N	
GFL003 30+50E	Mp-Am	2012	6/22/2012	MAP	556290.19	5441683.41	11N	
GFL003 30+75E	Mp-Am	2012	6/22/2012	MAP	556313.47	5441679.1	11N	
GFL003 31+00E	Mp-Am	2012	6/22/2012	MAP	556336.74	5441674.79	11N	
GFL003 31+25E	Mp-Am	2012	6/22/2012	MAP	556359.79	5441669.96	11N	
GFL003 31+50E	Mp-Am	2012	6/22/2012	MAP	556378.98	5441656.11	11N	
GFL004 00+00	Mp-Am	2012	6/22/2012	NO SAMPLE	557293	5441222	11N	
GFL004 00+25E	Mp-Am	2012	6/22/2012	NO SAMPLE	557278.95	5441247.68	11N	
GFL004 00+50E	Mp-Am	2012	6/22/2012	MAP	557264.89	5441273.35	11N	
GFL004 00+75E	Mp-Am	2012	6/22/2012	MAP	557250.84	5441299.03	11N	
GFL004 01+00E	Mp-Am	2012	6/22/2012	MAP	557231.06	5441320.51	11N	
GFL004 01+25E	Mp-Am	2012	6/22/2012	MAP	557210.79	5441341.63	11N	
GFL004 01+50E	Mp-Am	2012	6/22/2012	MAP	557190.53	5441362.75	11N	
GFL004 01+75E	Mp-Am	2012	6/22/2012	MAP	557170.26	5441383.88	11N	
GFL004 02+00E	Mp-Am	2012	6/22/2012	MAP	557150	5441405	11N	15
GFL004 02+25E	Mp-Am	2012	6/22/2012	MAP	557164	5441441	11N	
GFL004 02+50E	Mp-Am	2012	6/22/2012	MAP	557147.86	5441458.43	11N	
GFL004 02+75E	Mp-Am	2012	6/22/2012	MAP	557131.71	5441475.86	11N	
GFL004 03+00E	Mp-Am	2012	6/22/2012	MAP	557115.57	5441493.29	11N	
GFL004 03+25E	Mp-Am	2012	6/22/2012	MAP	557099.43	5441510.71	11N	
GFL004 03+50E	Mp-Am	2012	6/22/2012	MAP	557083.29	5441528.14	11N	
GFL004 03+75E	Mp-Am	2012	6/22/2012	MAP	557067.14	5441545.57	11N	
GFL004 04+00E	Mp-Am	2012	6/22/2012	GPS	557051	5441563	11N	9
GFL004 04+25E	Mp-Am	2012	6/22/2012	MAP	557033.75	5441584.13	11N	
GFL004 04+50E	Mp-Am	2012	6/22/2012	MAP	557016.5	5441605.25	11N	
GFL004 04+75E	Mp-Am	2012	6/22/2012	MAP	556999.25	5441626.38	11N	
GFL004 05+00E	Mp-Am	2012	6/22/2012	MAP	556982	5441647.5	11N	
GFL004 05+25E	Mp-Am	2012	6/22/2012	MAP	556964.75	5441668.63	11N	
GFL004 05+50E	Mp-Am	2012	6/22/2012	MAP	556947.5	5441689.75	11N	
GFL004 05+75E	Mp-Am	2012	6/22/2012	MAP	556930.25	5441710.88	11N	
GFL004 06+00E	Mp-Am	2012	6/22/2012	MAP	556913	5441732	11N	1

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
GFL004 06+25E	Mp-Am	2012	6/22/2012	MAP	556884.08	5441749.04	11N	
GFL004 06+50E	Mp-Am	2012	6/22/2012	MAP	556854.01	5441763.28	11N	
GFL004 06+75E	Mp-Am	2012	6/22/2012	MAP	556821.5	5441771.64	11N	
GFL004 07+00E	Mp-Am	2012	6/22/2012	MAP	556789	5441780	11N	14
GFL005 00+00	Mp-Au	2012	6/22/2012	GPS	554328.65	5440457.02	11N	4
GFL005 00+25E	Mp-Au	2012	6/22/2012	MAP	554352.4	5440462.02	11N	
GFL005 00+50E	Mp-Au	2012	6/22/2012	MAP	554376.15	5440467.02	11N	
GFL005 00+75E	Mp-Au	2012	6/22/2012	MAP	554399.9	5440472.02	11N	
GFL005 01+00E	Mp-Au	2012	6/22/2012	MAP	554423.65	5440477.02	11N	
GFL005 01+25E	Mp-Am	2012	6/22/2012	MAP	554447.4	5440482.02	11N	
GFL005 01+50E	Mp-Am	2012	6/22/2012	MAP	554471.15	5440487.02	11N	
GFL005 01+75E	Mp-Am	2012	6/22/2012	MAP	554494.9	5440492.02	11N	
GFL005 02+00E	Mp-M	2012	6/22/2012	GPS	554518.65	5440497.02	11N	5
GFL005 02+25E	Mp-M	2012	6/22/2012	MAP	554541.53	5440502.65	11N	
GFL005 02+50E	Mp-M	2012	6/22/2012	MAP	554564.4	5440508.27	11N	
GFL005 02+75E	Mp-M	2012	6/22/2012	MAP	554587.28	5440513.9	11N	
GFL005 03+00E	Mp-Am	2012	6/22/2012	MAP	554610.15	5440519.52	11N	
GFL005 03+25E	Mp-Am	2012	6/22/2012	MAP	554633.03	5440525.15	11N	
GFL005 03+50E	Mp-Am	2012	6/22/2012	MAP	554655.9	5440530.77	11N	
GFL005 03+75E	Mp-Am	2012	6/22/2012	MAP	554678.78	5440536.4	11N	
GFL005 04+00E	Mp-Am	2012	6/22/2012	GPS	554701.65	5440542.02	11N	
GFL005 04+25E	Mp-Am	2012	6/22/2012	MAP	554725.9	5440547.02	11N	
GFL005 04+50E	Mp-Am	2012	6/22/2012	MAP	554750.15	5440552.02	11N	
GFL005 04+75E	Mp-Am	2012	6/22/2012	MAP	554774.4	5440557.02	11N	
GFL005 05+00E	Mp-Am	2012	6/22/2012	MAP	554798.65	5440562.02	11N	
GFL005 05+25E	Mp-Am	2012	6/22/2012	MAP	554822.9	5440567.02	11N	
GFL005 05+50E	Mp-Am	2012	6/22/2012	MAP	554847.15	5440572.02	11N	
GFL005 05+75E	Mp-Am	2012	6/22/2012	MAP	554871.4	5440577.02	11N	
GFL005 06+00E	Mp-Am	2012	6/22/2012	GPS	554895.65	5440582.02	11N	8
GFL005 06+25E	Mp-Am	2012	6/22/2012	MAP	554920.27	5440586.27	11N	
GFL005 06+50E	Mp-Am	2012	6/22/2012	MAP	554944.9	5440590.52	11N	
GFL005 06+75E	Mp-Am	2012	6/22/2012	MAP	554969.52	5440594.77	11N	
GFL005 07+00E	Mp-Am	2012	6/22/2012	MAP	554994.15	5440599.02	11N	
GFL005 07+25E	Mp-Am	2012	6/22/2012	MAP	555018.77	5440603.27	11N	
GFL005 07+50E	Mp-Am	2012	6/22/2012	MAP	555043.4	5440607.52	11N	
GFL005 07+75E	Mp-Am	2012	6/22/2012	MAP	555068.02	5440611.77	11N	
GFL005 08+00E	Mp-Am	2012	6/22/2012	GPS	555092.65	5440616.02	11N	8
GFL005 08+25E	Mp-Am	2012	6/22/2012	MAP	555115.15	5440627.9	11N	
GFL005 08+50E	Mp-Am	2012	6/22/2012	MAP	555137.65	5440639.77	11N	
GFL005 08+75E	Mp-Am	2012	6/22/2012	MAP	555160.15	5440651.65	11N	
GFL005 09+00E	Mp-Am	2012	6/22/2012	MAP	555182.65	5440663.52	11N	
GFL005 09+25E	Mp-Am	2012	6/22/2012	MAP	555205.15	5440675.4	11N	
GFL005 09+50E	Mp-Am	2012	6/22/2012	MAP	555227.65	5440687.27	11N	
GFL005 09+75E	Mp-Am	2012	6/22/2012	MAP	555250.15	5440699.15	11N	
GFL005 10+00E	Mp-Am	2012	6/22/2012	GPS	555272.65	5440711.02	11N	13
GFL005 10+25E	Mp-Am	2012	6/22/2012	MAP	555299.27	5440710.52	11N	
GFL005 10+50E	Mp-Am	2012	6/22/2012	MAP	555325.9	5440710.02	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
GFL005 10+75E	Mp-Am	2012	6/22/2012	MAP	555352.52	5440709.52	11N	
GFL005 11+00E	Mp-Am	2012	6/22/2012	MAP	555379.15	5440709.02	11N	
GFL005 11+25E	Mp-Am	2012	6/22/2012	MAP	555405.77	5440708.52	11N	
GFL005 11+50E	Mp-Am	2012	6/22/2012	MAP	555432.4	5440708.02	11N	
GFL005 11+75E	Mp-Am	2012	6/22/2012	MAP	555459.02	5440707.52	11N	
GFL005 12+00E	Mp-Am	2012	6/22/2012	GPS	555485.65	5440707.02	11N	6
GFL005 12+25E	Mp-Am	2012	6/22/2012	MAP	555512.4	5440710.65	11N	
GFL005 12+50E	Mp-Am	2012	6/22/2012	MAP	555539.15	5440714.27	11N	
GFL005 12+75E	Mp-Am	2012	6/22/2012	MAP	555565.9	5440717.9	11N	
GFL005 13+00E	Mp-Am	2012	6/22/2012	MAP	555592.65	5440721.52	11N	
GFL005 13+25E	Mp-Am	2012	6/22/2012	MAP	555619.4	5440725.15	11N	
GFL005 13+50E	Mp-Am	2012	6/22/2012	MAP	555646.15	5440728.77	11N	
GFL005 13+75E	Mp-Am	2012	6/22/2012	MAP	555672.9	5440732.4	11N	
GFL005 14+00E	Mp-Am	2012	6/22/2012	GPS	555699.3	5440736.04	11N	14
GFL005 14+25E	Mp-Am	2012	6/22/2012	MAP	555722.47	5440742.66	11N	
GFL005 14+50E	Mp-Am	2012	6/22/2012	MAP	555745.63	5440749.29	11N	
GFL005 14+75E	Mp-Am	2012	6/22/2012	MAP	555768.8	5440755.91	11N	
GFL005 15+00E	Mp-Am	2012	6/22/2012	MAP	555791.97	5440762.53	11N	
GFL005 15+25E	Mp-Am	2012	6/29/2012	MAP	555815.14	5440769.15	11N	
GFL005 15+50E	Mp-Am	2012	6/29/2012	MAP	555838.31	5440775.78	11N	
GFL005 15+75E	Mp-Am	2012	6/29/2012	MAP	555861.48	5440782.4	11N	
GFL005 16+00E	Mp-Am	2012	6/29/2012	GPS	555884.65	5440789.02	11N	9
GFL005 16+25E	Mp-Am	2012	6/29/2012	MAP	555909.65	5440792.65	11N	
GFL005 16+50E	Mp-Am	2012	6/29/2012	MAP	555934.65	5440796.27	11N	
GFL005 16+75E	Mp-Am	2012	6/29/2012	MAP	555959.65	5440799.9	11N	
GFL005 17+00E	Mp-Am	2012	6/29/2012	MAP	555984.65	5440803.52	11N	
GFL005 17+25E	Mp-Am	2012	6/29/2012	MAP	556009.65	5440807.15	11N	
GFL005 17+50E	Mp-Am	2012	6/29/2012	MAP	556034.65	5440810.77	11N	
GFL005 17+75E	Mp-Am	2012	6/29/2012	MAP	556059.65	5440814.4	11N	
GFL005 18+00E	Mp-Am	2012	6/29/2012	GPS	556084.65	5440818.02	11N	5
GFL005 18+25E	Mp-Am	2012	6/29/2012	MAP	556109.77	5440823.08	11N	
GFL005 18+50E	Mp-Am	2012	6/29/2012	MAP	556134.9	5440828.15	11N	
GFL005 18+75E	Mp-Am	2012	6/29/2012	MAP	556160.02	5440833.21	11N	
GFL005 19+00E	Mp-Am	2012	6/29/2012	MAP	556185.14	5440838.27	11N	
GFL005 19+25E	Mp-Am	2012	6/29/2012	MAP	556210.27	5440843.33	11N	
GFL005 19+50E	Mp-Am	2012	6/29/2012	MAP	556235.39	5440848.4	11N	
GFL005 19+75E	Mp-Am	2012	6/29/2012	MAP	556260.52	5440853.46	11N	
GFL005 20+00E	Mp-Am	2012	6/29/2012	GPS	556285.64	5440858.52	11N	
GFL005 20+25E	Mp-Am	2012	6/29/2012	MAP	556310.77	5440863.58	11N	
GFL005 20+50E	Mp-Am	2012	6/29/2012	MAP	556335.89	5440868.65	11N	
GFL005 20+75E	Mp-Am	2012	6/29/2012	MAP	556361.02	5440873.71	11N	
GFL005 21+00E	Mp-Am	2012	6/29/2012	MAP	556386.14	5440878.77	11N	
GFL005 21+25E	Mp-Am	2012	6/29/2012	MAP	556411.27	5440883.83	11N	
GFL005 21+50E	Mp-Am	2012	6/29/2012	MAP	556436.39	5440888.9	11N	
GFL005 21+75E	Mp-Am	2012	6/29/2012	MAP	556461.52	5440893.96	11N	
GFL005 22+00E	Mp-Am	2012	6/29/2012	GPS	556486.64	5440899.02	11N	6
GFL005 22+25E	Mp-Am	2012	6/29/2012	MAP	556513.14	5440904.02	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
GFL005 22+50E	Mp-Am	2012	6/29/2012	MAP	556539.64	5440909.02	11N	
GFL005 22+75E	Mp-Am	2012	6/29/2012	MAP	556566.14	5440914.02	11N	
GFL005 23+00E	Mp-Am	2012	6/29/2012	MAP	556592.64	5440919.02	11N	
GFL005 23+25E	Mp-Am	2012	6/29/2012	MAP	556619.14	5440924.02	11N	
GFL005 23+50E	Mp-Am	2012	6/29/2012	MAP	556645.64	5440929.02	11N	
GFL005 23+75E	Mp-Am	2012	6/29/2012	MAP	556672.14	5440934.02	11N	
GFL005 24+00E	Mp-Am	2012	6/29/2012	GPS	556698.64	5440939.02	11N	7
GFL005 24+25E	Mp-Am	2012	6/29/2012	MAP	556720.77	5440942.15	11N	
GFL005 24+50E	Mp-Am	2012	6/29/2012	MAP	556742.89	5440945.27	11N	
GFL005 24+75E	Mp-Am	2012	6/29/2012	MAP	556765.02	5440948.4	11N	
GFL005 25+00E	Mp-Am	2012	6/29/2012	MAP	556787.14	5440951.52	11N	
GFL005 25+25E	Mp-Am	2012	6/29/2012	MAP	556809.27	5440954.65	11N	
GFL005 25+50E	Mp-Am	2012	6/29/2012	MAP	556831.39	5440957.77	11N	
GFL005 25+75E	Mp-Am	2012	6/29/2012	MAP	556853.52	5440960.9	11N	
GFL005 26+00E	Mp-Am	2012	6/29/2012	GPS	556875.64	5440964.02	11N	12
GFL005 26+25E	Mp-Am	2012	6/29/2012	MAP	556898.27	5440968.02	11N	
GFL005 26+50E	Mp-Am	2012	6/29/2012	MAP	556920.89	5440972.02	11N	
GFL005 26+75E	Mp-Am	2012	6/29/2012	MAP	556943.52	5440976.02	11N	
GFL005 27+00E	Mp-Am	2012	6/29/2012	MAP	556966.14	5440980.02	11N	
GFL005 27+25E	Mp-Am	2012	6/29/2012	MAP	556988.77	5440984.02	11N	
GFL005 27+50E	Mp-Am	2012	6/29/2012	MAP	557011.39	5440988.02	11N	
GFL005 27+75E	Mp-Am	2012	6/29/2012	MAP	557034.02	5440992.02	11N	
GFL005 28+00E	Mp-Am	2012	6/29/2012	MAP	557056.64	5440996.02	11N	12
GFL005 28+25E	Mp-Am	2012	6/29/2012	MAP	557080.39	5440997.65	11N	
GFL005 28+50E	Mp-Am	2012	6/29/2012	MAP	557104.14	5440999.27	11N	
GFL005 28+75E	Mp-Am	2012	6/29/2012	MAP	557127.89	5441000.9	11N	
GFL005 29+00E	Mp-Am	2012	6/29/2012	MAP	557151.64	5441002.52	11N	
GFL005 29+25E	Mp-Am	2012	6/29/2012	MAP	557175.39	5441004.15	11N	
GFL005 29+50E	Mp-Am	2012	6/29/2012	MAP	557199.14	5441005.77	11N	
GFL005 29+75E	Mp-Am	2012	6/29/2012	MAP	557222.89	5441007.4	11N	
GFL005 30+00E	Mp-Am	2012	6/29/2012	GPS	557246.64	5441009.02	11N	14
GFL005 30+25E	Mp-Am	2012	6/29/2012	MAP	557272.64	5441011.15	11N	
GFL005 30+50E	Mp-Am	2012	6/29/2012	NO SAMPLE	557298.64	5441013.27	11N	
GFL005 30+75E	Mp-Am	2012	6/29/2012	MAP	557324.64	5441015.4	11N	
GFL005 31+00E	Mp-Am	2012	6/29/2012	MAP	557350.64	5441017.52	11N	
GFL005 31+25E	Mp-Am	2012	6/29/2012	MAP	557376.64	5441019.65	11N	
GFL005 31+50E	Mp-M	2012	6/29/2012	MAP	557402.64	5441021.77	11N	
GFL005 31+75E	Mp-M	2012	6/29/2012	MAP	557428.64	5441023.9	11N	
GFL005 32+00E	Mp-M	2012	6/29/2012	NO SAMPLE	557454.64	5441026.02	11N	11
GFL005 32+25E	Mp-M	2012	6/29/2012	MAP	557479.89	5441030.15	11N	
GFL005 32+50E	Mp-M	2012	6/29/2012	MAP	557505.14	5441034.27	11N	
GFL005 32+75E	Mp-M	2012	6/29/2012	MAP	557530.39	5441038.4	11N	
GFL005 33+00E	Mp-Am	2012	6/29/2012	MAP	557555.64	5441042.52	11N	
GFL005 33+25E	Mp-Am	2012	6/29/2012	MAP	557580.89	5441046.65	11N	
GFL005 33+50E	Mp-Am	2012	6/29/2012	MAP	557606.14	5441050.77	11N	
GFL005 33+75E	Mp-Am	2012	6/29/2012	MAP	557631.39	5441054.9	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
GFL005 34+00E	Mp-Am	2012	6/29/2012	GPS	557656.64	5441059.02	11N	8
GFL005 34+25E	Mp-Am	2012	6/29/2012	MAP	557679.89	5441062.77	11N	
GFL005 34+50E	Mp-Am	2012	6/29/2012	MAP	557703.14	5441066.52	11N	
GFL005 34+75E	Mp-Am	2012	6/29/2012	MAP	557726.39	5441070.27	11N	
GFL005 35+00E	Mp-Am	2012	6/29/2012	MAP	557749.64	5441074.02	11N	
GFL005 35+25E	Mp-Am	2012	6/29/2012	MAP	557772.89	5441077.77	11N	
GFL005 35+50E	Mp-Am	2012	6/29/2012	MAP	557796.14	5441081.52	11N	
GFL005 35+75E	Mp-Am	2012	6/29/2012	MAP	557819.39	5441085.27	11N	
GFL005 36+00E	Mp-Am	2012	6/29/2012	GPS	557842.64	5441089.02	11N	28
GFL005 36+25E	Mp-Am	2012	6/29/2012	MAP	557875.64	5441090.77	11N	
GFL005 36+50E	Mp-Am	2012	6/29/2012	MAP	557908.64	5441092.52	11N	
GFL005 36+75E	Mp-Am	2012	6/29/2012	MAP	557941.64	5441094.27	11N	
GFL005 37+00E	Mp-Am	2012	6/29/2012	GPS	557974.64	5441096.02	11N	1
GFL006 00+00	Mp-Am	2012	6/28/2012	GPS	558037.64	5440711.02	11N	33
GFL006 00+25W	Mp-Am	2012	6/28/2012	MAP	558011.76	5440703.52	11N	
GFL006 00+50W	Mp-Am	2012	6/28/2012	MAP	557985.89	5440696.02	11N	
GFL006 00+75W	Mp-Am	2012	6/28/2012	MAP	557960.01	5440688.52	11N	
GFL006 01+00W	Mp-Am	2012	6/28/2012	MAP	557934.14	5440681.02	11N	
GFL006 01+25W	Mp-Am	2012	6/28/2012	MAP	557908.26	5440673.52	11N	
GFL006 01+50W	Mp-Am	2012	6/28/2012	MAP	557882.39	5440666.02	11N	
GFL006 01+75W	Mp-Am	2012	6/28/2012	MAP	557856.51	5440658.52	11N	
GFL006 02+00W	Mp-Am	2012	6/28/2012	GPS	557830.64	5440651.02	11N	34
GFL006 02+25W	Mp-Am	2012	6/28/2012	MAP	557808.08	5440647.09	11N	
GFL006 02+50W	Mp-Am	2012	6/28/2012	MAP	557785.51	5440643.15	11N	
GFL006 02+75W	Mp-Am	2012	6/28/2012	MAP	557762.95	5440639.21	11N	
GFL006 03+00W	Mp-Am	2012	6/28/2012	MAP	557740.39	5440635.27	11N	
GFL006 03+25W	Mp-Am	2012	6/28/2012	MAP	557717.83	5440631.34	11N	
GFL006 03+50W	Mp-Am	2012	6/28/2012	MAP	557695.26	5440627.4	11N	
GFL006 03+75W	Mp-M	2012	6/28/2012	MAP	557672.7	5440623.46	11N	
GFL006 04+00W	Mp-M	2012	6/28/2012	MAP	557650.14	5440619.52	11N	
GFL006 04+25W	Mp-M	2012	6/28/2012	MAP	557627.58	5440615.59	11N	
GFL006 04+50W	Mp-M	2012	6/28/2012	MAP	557605.01	5440611.65	11N	
GFL006 04+75W	Mp-Am	2012	6/28/2012	MAP	557582.45	5440607.71	11N	
GFL006 05+00W	Mp-Am	2012	6/28/2012	MAP	557559.89	5440603.77	11N	
GFL006 05+25W	Mp-Am	2012	6/28/2012	MAP	557537.33	5440599.84	11N	
GFL006 05+50W	Mp-Am	2012	6/28/2012	MAP	557514.77	5440595.9	11N	
GFL006 05+75W	Mp-Am	2012	6/28/2012	MAP	557492.2	5440591.96	11N	
GFL006 06+00W	Mp-Am	2012	6/28/2012	GPS	557469.64	5440588.02	11N	9
GFL006 06+25W	Mp-Am	2012	6/28/2012	MAP	557443.27	5440584.77	11N	
GFL006 06+50W	Mp-Am	2012	6/28/2012	MAP	557416.89	5440581.52	11N	
GFL006 06+75W	Mp-Am	2012	6/28/2012	MAP	557390.52	5440578.27	11N	
GFL006 07+00W	Mp-Am	2012	6/28/2012	MAP	557364.14	5440575.02	11N	
GFL006 07+25W	Mp-Am	2012	6/28/2012	MAP	557337.77	5440571.77	11N	
GFL006 07+50W	Mp-Am	2012	6/28/2012	MAP	557311.39	5440568.52	11N	
GFL006 07+75W	Mp-Am	2012	6/28/2012	MAP	557285.02	5440565.27	11N	
GFL006 08+00W	Mp-Am	2012	6/28/2012	GPS	557258.28	5440562.04	11N	1
GFL006 08+25W	Mp-Am	2012	6/29/2012	MAP	557233.08	5440556.42	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
GFL006 08+50W	Mp-Am	2012	6/29/2012	MAP	557207.87	5440550.79	11N	
GFL006 08+75W	Mp-Am	2012	6/29/2012	MAP	557182.67	5440545.16	11N	
GFL006 09+00W	Mp-Am	2012	6/29/2012	MAP	557157.46	5440539.53	11N	
GFL006 09+25W	Mp-Am	2012	6/29/2012	MAP	557132.26	5440533.91	11N	
GFL006 09+50W	Mp-Am	2012	6/29/2012	MAP	557107.05	5440528.28	11N	
GFL006 09+75W	Mp-Am	2012	6/29/2012	MAP	557081.85	5440522.65	11N	
GFL006 10+00W	Mp-Am	2012	6/29/2012	GPS	557056.64	5440517.02	11N	11
GFL006 10+25W	Mp-Am	2012	6/29/2012	MAP	557033.14	5440513.02	11N	
GFL006 10+50W	Mp-Am	2012	6/29/2012	MAP	557009.64	5440509.02	11N	
GFL006 10+75W	Mp-Am	2012	6/29/2012	MAP	556986.14	5440505.02	11N	
GFL006 11+00W	Mp-Am	2012	6/29/2012	MAP	556962.64	5440501.02	11N	
GFL006 11+25W	Mp-Am	2012	6/29/2012	MAP	556939.14	5440497.02	11N	
GFL006 11+50W	Mp-Am	2012	6/29/2012	MAP	556915.64	5440493.02	11N	
GFL006 11+75W	Mp-Am	2012	6/29/2012	MAP	556892.14	5440489.02	11N	
GFL006 12+00W	Mp-Am	2012	6/29/2012	GPS	556868.64	5440485.02	11N	14
GFL006 12+25W	Mp-Am	2012	6/29/2012	MAP	556842.89	5440485.65	11N	
GFL006 12+50W	Mp-Am	2012	6/29/2012	MAP	556817.14	5440486.27	11N	
GFL006 12+75W	Mp-Am	2012	6/29/2012	MAP	556791.39	5440486.9	11N	
GFL006 13+00W	Mp-Am	2012	6/29/2012	MAP	556765.64	5440487.52	11N	
GFL006 13+25W	Mp-Am	2012	6/29/2012	MAP	556739.89	5440488.15	11N	
GFL006 13+50W	Mp-Am	2012	6/29/2012	MAP	556714.14	5440488.77	11N	
GFL006 13+75W	Mp-Am	2012	6/29/2012	MAP	556688.39	5440489.4	11N	
GFL006 14+00W	Mp-Am	2012	6/29/2012	GPS	556662.64	5440490.02	11N	8
GFL006 14+25W	Mp-Am	2012	6/29/2012	MAP	556635.27	5440487.52	11N	
GFL006 14+50W	Mp-Am	2012	6/29/2012	MAP	556607.89	5440485.02	11N	
GFL006 14+75W	Mp-Am	2012	6/29/2012	MAP	556580.52	5440482.52	11N	
GFL006 15+00W	Mp-Am	2012	6/29/2012	MAP	556553.14	5440480.02	11N	
GFL006 15+25W	Mp-Am	2012	6/29/2012	MAP	556525.77	5440477.52	11N	
GFL006 15+50W	Mp-Am	2012	6/29/2012	MAP	556498.39	5440475.02	11N	
GFL006 15+75W	Mp-Am	2012	6/29/2012	MAP	556471.02	5440472.52	11N	
GFL006 16+00W	Mp-Am	2012	6/29/2012	GPS	556443.64	5440470.02	11N	5
GFL006 16+25W	Mp-Am	2012	6/29/2012	NO SAMPLE	556417.14	5440467.65	11N	
GFL006 16+50W	Mp-Am	2012	6/29/2012	NO SAMPLE	556390.64	5440465.27	11N	
GFL006 16+75W	Mp-Am	2012	6/29/2012	MAP	556364.14	5440462.9	11N	
GFL006 17+00W	Mp-Am	2012	6/29/2012	MAP	556337.64	5440460.52	11N	
GFL006 17+25W	Mp-Am	2012	6/29/2012	MAP	556311.14	5440458.15	11N	
GFL006 17+50W	Mp-Am	2012	6/29/2012	MAP	556284.64	5440455.77	11N	
GFL006 17+75W	Mp-Am	2012	6/29/2012	MAP	556258.14	5440453.4	11N	
GFL006 18+00W	Mp-Am	2012	6/29/2012	GPS	556231.64	5440451.02	11N	7
GFL006 18+25W	Mp-Am	2012	6/30/2012	MAP	556209.02	5440443.65	11N	
GFL006 18+50W	Mp-Am	2012	6/30/2012	MAP	556186.39	5440436.27	11N	
GFL006 18+75W	Mp-Am	2012	6/30/2012	MAP	556163.77	5440428.9	11N	
GFL006 19+00W	Mp-Am	2012	6/30/2012	MAP	556141.15	5440421.52	11N	
GFL006 19+25W	Mp-Am	2012	6/30/2012	MAP	556118.52	5440414.15	11N	
GFL006 19+50W	Mp-Am	2012	6/30/2012	MAP	556095.9	5440406.77	11N	
GFL006 19+75W	Mp-Am	2012	6/30/2012	MAP	556073.27	5440399.4	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
GFL006 20+00W	Mp-Am	2012	6/30/2012	GPS	556050.65	5440392.02	11N	5
GFL006 20+25W	Mp-Am	2012	6/30/2012	MAP	556025.02	5440384.65	11N	
GFL006 20+50W	Mp-Am	2012	6/30/2012	MAP	555999.4	5440377.27	11N	
GFL006 20+75W	Mp-Am	2012	6/30/2012	MAP	555973.77	5440369.9	11N	
GFL006 21+00W	Mp-Am	2012	6/30/2012	MAP	555948.15	5440362.52	11N	
GFL006 21+25W	Mp-Am	2012	6/30/2012	MAP	555922.52	5440355.15	11N	
GFL006 21+50W	Mp-Am	2012	6/30/2012	MAP	555896.9	5440347.77	11N	
GFL006 21+75W	Mp-Am	2012	6/30/2012	MAP	555871.27	5440340.4	11N	
GFL006 22+00W	Mp-Am	2012	6/30/2012	GPS	555845.65	5440333.02	11N	7
GFL006 22+25W	Mp-Am	2012	6/30/2012	MAP	555821.02	5440327.52	11N	
GFL006 22+50W	Mp-Am	2012	6/30/2012	MAP	555796.4	5440322.02	11N	
GFL006 22+75W	Mp-Am	2012	6/30/2012	MAP	555771.77	5440316.52	11N	
GFL006 23+00W	Mp-Am	2012	6/30/2012	MAP	555747.15	5440311.02	11N	
GFL006 23+25W	Mp-Am	2012	6/30/2012	MAP	555722.52	5440305.52	11N	
GFL006 23+50W	Mp-Am	2012	6/30/2012	MAP	555697.9	5440300.02	11N	
GFL006 23+75W	Mp-Am	2012	6/30/2012	MAP	555673.27	5440294.52	11N	
GFL006 24+00W	Mp-Am	2012	6/30/2012	GPS	555648.65	5440289.02	11N	5
GFL006 24+25W	Mp-Am	2012	6/30/2012	MAP	555623.77	5440284.15	11N	
GFL006 24+50W	Mp-Am	2012	6/30/2012	MAP	555598.9	5440279.27	11N	
GFL006 24+75W	Mp-Am	2012	6/30/2012	MAP	555574.02	5440274.4	11N	
GFL006 25+00W	Mp-Am	2012	6/30/2012	MAP	555549.15	5440269.52	11N	
GFL006 25+25W	Mp-Am	2012	6/30/2012	MAP	555524.27	5440264.65	11N	
GFL006 25+50W	Mp-Am	2012	6/30/2012	MAP	555499.4	5440259.77	11N	
GFL006 25+75W	Mp-Am	2012	6/30/2012	MAP	555474.52	5440254.9	11N	
GFL006 26+00W	Mp-Am	2012	6/30/2012	NO SAMPLE	555449.65	5440250.02	11N	4
GFL006 26+25W	Mp-Am	2012	6/30/2012	NO SAMPLE	555424.4	5440246.77	11N	
GFL006 26+50W	Mp-Am	2012	6/30/2012	MAP	555399.15	5440243.52	11N	
GFL006 26+75W	Mp-Am	2012	6/30/2012	MAP	555373.9	5440240.27	11N	
GFL006 27+00W	Mp-Am	2012	6/30/2012	MAP	555348.65	5440237.02	11N	
GFL006 27+25W	Mp-Am	2012	6/30/2012	MAP	555323.4	5440233.77	11N	
GFL006 27+50W	Mp-Am	2012	6/30/2012	MAP	555298.15	5440230.52	11N	
GFL006 27+75W	Mp-Am	2012	6/30/2012	MAP	555272.9	5440227.27	11N	
GFL006 28+00W	Mp-Am	2012	6/30/2012	GPS	555247.65	5440224.02	11N	5
GFL006 28+25W	Mp-Am	2012	6/30/2012	MAP	555222.02	5440218.77	11N	
GFL006 28+50W	Mp-Am	2012	6/30/2012	MAP	555196.4	5440213.52	11N	
GFL006 28+75W	Mp-Am	2012	6/30/2012	MAP	555170.77	5440208.27	11N	
GFL006 29+00W	Mp-Am	2012	6/30/2012	MAP	555145.15	5440203.02	11N	
GFL006 29+25W	Mp-Am	2012	6/30/2012	MAP	555119.52	5440197.77	11N	
GFL006 29+50W	Mp-Am	2012	6/30/2012	MAP	555093.9	5440192.52	11N	
GFL006 29+75W	Mp-Am	2012	6/30/2012	MAP	555068.27	5440187.27	11N	
GFL006 30+00W	Mp-Am	2012	6/30/2012	GPS	555042.65	5440182.02	11N	5
GFL006 30+25W	Mp-Am	2012	6/30/2012	MAP	555016.02	5440177.02	11N	
GFL006 30+50W	Mp-Am	2012	6/30/2012	MAP	554989.4	5440172.02	11N	
GFL006 30+75W	Mp-Am	2012	6/30/2012	MAP	554962.77	5440167.02	11N	
GFL006 31+00W	Mp-Am	2012	6/30/2012	MAP	554936.15	5440162.02	11N	
GFL006 31+25W	Mp-Am	2012	6/30/2012	MAP	554909.52	5440157.02	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
GFL006 31+50W	Mp-Am	2012	6/30/2012	MAP	554882.9	5440152.02	11N	
GFL006 31+75W	Mp-M	2012	6/30/2012	MAP	554856.27	5440147.02	11N	
GFL006 32+00W	Mp-M	2012	6/30/2012	GPS	554829.65	5440142.02	11N	6
GFL006 32+25W	Mp-M	2012	6/30/2012	MAP	554803.65	5440135.77	11N	
GFL006 32+50W	Mp-Am	2012	6/30/2012	MAP	554777.65	5440129.52	11N	
GFL006 32+75W	Mp-Am	2012	6/30/2012	MAP	554751.65	5440123.27	11N	
GFL006 33+00W	Mp-Am	2012	6/30/2012	MAP	554725.65	5440117.02	11N	
GFL006 33+25W	Mp-Am	2012	6/30/2012	MAP	554699.65	5440110.77	11N	
GFL006 33+50W	Mp-Alr	2012	6/30/2012	MAP	554673.65	5440104.52	11N	
GFL006 33+75W	Mp-Alr	2012	6/30/2012	MAP	554647.65	5440098.27	11N	
GFL006 34+00W	Mp-Alr	2012	6/30/2012	GPS	554621.65	5440092.02	11N	7
GFL006 34+25W	Mp-Alr	2012	6/30/2012	MAP	554596.66	5440087.83	11N	
GFL006 34+50W	Mp-Au	2012	6/30/2012	MAP	554572.02	5440083.61	11N	
GFL006 34+75W	Mp-Au	2012	6/30/2012	MAP	554547.37	5440079.39	11N	
GFL006 35+00W	Mp-Au	2012	6/30/2012	MAP	554522.73	5440075.18	11N	
GFL007 00+00	Mp-Am	2012	6/28/2012	GPS	558103.64	5440296.02	11N	6
GFL007 00+25W	Mp-Am	2012	6/28/2012	MAP	558078.64	5440286.9	11N	
GFL007 00+50W	Mp-Am	2012	6/28/2012	MAP	558053.64	5440277.77	11N	
GFL007 00+75W	Mp-Am	2012	6/28/2012	MAP	558028.64	5440268.65	11N	
GFL007 01+00W	Mp-Am	2012	6/28/2012	MAP	558003.64	5440259.52	11N	
GFL007 01+25W	Mp-Am	2012	6/28/2012	MAP	557978.64	5440250.4	11N	
GFL007 01+50W	Mp-Am	2012	6/28/2012	MAP	557953.64	5440241.27	11N	
GFL007 01+75W	Mp-Am	2012	6/28/2012	MAP	557928.64	5440232.15	11N	
GFL007 02+00W	Mp-Am	2012	6/28/2012	GPS	557903.64	5440223.02	11N	7
GFL007 02+25W	Mp-Am	2012	6/28/2012	MAP	557880.26	5440220.9	11N	
GFL007 02+50W	Mp-Am	2012	6/28/2012	MAP	557856.89	5440218.77	11N	
GFL007 02+75W	Mp-Am	2012	6/28/2012	MAP	557833.51	5440216.65	11N	
GFL007 03+00W	Mp-M	2012	6/28/2012	MAP	557810.14	5440214.52	11N	
GFL007 03+25W	Mp-M	2012	6/28/2012	MAP	557786.76	5440212.4	11N	
GFL007 03+50W	Mp-M	2012	6/28/2012	MAP	557763.39	5440210.27	11N	
GFL007 03+75W	Mp-M	2012	6/28/2012	MAP	557740.01	5440208.15	11N	
GFL007 04+00W	Mp-M	2012	6/28/2012	GPS	557716.64	5440206.02	11N	1
GFL007 04+25W	Mp-Am	2012	6/28/2012	MAP	557691.64	5440206.52	11N	
GFL007 04+50W	Mp-Am	2012	6/28/2012	MAP	557666.64	5440207.02	11N	
GFL007 04+75W	Mp-Am	2012	6/28/2012	MAP	557641.64	5440207.52	11N	
GFL007 05+00W	Mp-Am	2012	6/28/2012	MAP	557616.64	5440208.02	11N	
GFL007 05+25W	Mp-Am	2012	6/28/2012	MAP	557591.64	5440208.52	11N	
GFL007 05+50W	Mp-Am	2012	6/28/2012	MAP	557566.64	5440209.02	11N	
GFL007 05+75W	Mp-Am	2012	6/28/2012	NO SAMPLE	557541.64	5440209.52	11N	
GFL007 06+00W	Mp-Am	2012	6/28/2012	GPS	557516.64	5440210.02	11N	6
GFL007 06+25W	Mp-Am	2012	6/28/2012	MAP	557493.27	5440209.15	11N	
GFL007 06+50W	Mp-Am	2012	6/28/2012	MAP	557469.89	5440208.27	11N	
GFL007 06+75W	Mp-Am	2012	6/28/2012	MAP	557446.52	5440207.4	11N	
GFL007 07+00W	Mp-Am	2012	6/28/2012	MAP	557423.14	5440206.52	11N	
GFL007 07+25W	Mp-Am	2012	6/28/2012	MAP	557399.77	5440205.65	11N	
GFL007 07+50W	Mp-Am	2012	6/28/2012	MAP	557376.39	5440204.77	11N	
GFL007 07+75W	Mp-Am	2012	6/28/2012	MAP	557353.02	5440203.9	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
GFL007 08+00W	Mp-Am	2012	6/28/2012	MAP	557329.64	5440203.02	11N	
GFL007 08+25W	Mp-Am	2012	6/28/2012	MAP	557306.27	5440196.4	11N	
GFL007 08+50W	Mp-Am	2012	6/28/2012	MAP	557282.89	5440189.77	11N	
GFL007 08+75W	Mp-Am	2012	6/28/2012	MAP	557259.52	5440183.15	11N	
GFL007 09+00W	Mp-Am	2012	6/28/2012	NO SAMPLE	557236.14	5440176.52	11N	
GFL007 09+25W	Mp-Am	2012	6/28/2012	NO SAMPLE	557212.77	5440169.9	11N	
GFL007 09+50W	Mp-Am	2012	6/28/2012	NO SAMPLE	557189.39	5440163.27	11N	
GFL007 09+75W	Mp-Am	2012	6/28/2012	MAP	557166.02	5440156.65	11N	
GFL007 10+00W	Mp-Am	2012	6/28/2012	GPS	557142.64	5440150.02	11N	6
GFL007 10+25W	Mp-Am	2012	6/28/2012	MAP	557120.39	5440141.15	11N	
GFL007 10+50W	Mp-Am	2012	6/28/2012	MAP	557098.14	5440132.27	11N	
GFL007 10+75W	Mp-Am	2012	6/28/2012	MAP	557075.89	5440123.4	11N	
GFL007 11+00W	Mp-Am	2012	6/28/2012	MAP	557053.64	5440114.52	11N	
GFL007 11+25W	Mp-Am	2012	6/28/2012	MAP	557031.39	5440105.65	11N	
GFL007 11+50W	Mp-Am	2012	6/28/2012	MAP	557009.14	5440096.77	11N	
GFL007 11+75W	Mp-Am	2012	6/28/2012	MAP	556986.89	5440087.9	11N	
GFL007 12+00W	Mp-Am	2012	6/28/2012	GPS	556964.64	5440079.02	11N	7
GFL007 12+25W	Mp-Am	2012	6/29/2012	MAP	556940.77	5440075.15	11N	
GFL007 12+50W	Mp-Am	2012	6/29/2012	MAP	556916.89	5440071.27	11N	
GFL007 12+75W	Mp-Am	2012	6/29/2012	MAP	556893.02	5440067.4	11N	
GFL007 13+00W	Mp-Am	2012	6/29/2012	MAP	556869.14	5440063.52	11N	
GFL007 13+25W	Mp-Am	2012	6/29/2012	MAP	556845.27	5440059.65	11N	
GFL007 13+50W	Mp-Am	2012	6/29/2012	MAP	556821.39	5440055.77	11N	
GFL007 13+75W	Mp-Am	2012	6/29/2012	MAP	556797.52	5440051.9	11N	
GFL007 14+00W	Mp-Am	2012	6/29/2012	GPS	556773.64	5440048.02	11N	6
GFL007 14+25W	Mp-Am	2012	6/29/2012	MAP	556750.27	5440042.52	11N	
GFL007 14+50W	Mp-Am	2012	6/29/2012	MAP	556726.89	5440037.02	11N	
GFL007 14+75W	Mp-Am	2012	6/29/2012	MAP	556703.52	5440031.52	11N	
GFL007 15+00W	Mp-Am	2012	6/29/2012	MAP	556680.14	5440026.02	11N	
GFL007 15+25W	Mp-Am	2012	6/29/2012	MAP	556656.77	5440020.52	11N	
GFL007 15+50W	Mp-Am	2012	6/29/2012	MAP	556633.39	5440015.02	11N	
GFL007 15+75W	Mp-Am	2012	6/29/2012	MAP	556610.02	5440009.52	11N	
GFL007 16+00W	Mp-Am	2012	6/29/2012	GPS	556586.64	5440004.02	11N	4
GFL007 16+25W	Mp-Am	2012	6/29/2012	MAP	556560.14	5439999.9	11N	
GFL007 16+50W	Mp-Am	2012	6/29/2012	MAP	556533.64	5439995.77	11N	
GFL007 16+75W	Mp-Am	2012	6/29/2012	MAP	556507.14	5439991.65	11N	
GFL007 17+00W	Mp-Am	2012	6/29/2012	MAP	556480.64	5439987.52	11N	
GFL007 17+25W	Mp-Am	2012	6/29/2012	MAP	556454.14	5439983.4	11N	
GFL007 17+50W	Mp-Am	2012	6/29/2012	MAP	556427.64	5439979.27	11N	
GFL007 17+75W	Mp-Am	2012	6/29/2012	MAP	556401.14	5439975.15	11N	
GFL007 18+00W	Mp-Am	2012	6/29/2012	GPS	556374.64	5439971.02	11N	4
GFL007 18+25W	Mp-Am	2012	6/29/2012	MAP	556349.14	5439968.02	11N	
GFL007 18+50W	Mp-Am	2012	6/29/2012	MAP	556323.64	5439965.02	11N	
GFL007 18+75W	Mp-Am	2012	6/29/2012	MAP	556298.14	5439962.02	11N	
GFL007 19+00W	Mp-Am	2012	6/29/2012	MAP	556272.64	5439959.02	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
GFL007 19+25W	Mp-Am	2012	6/29/2012	MAP	556247.14	5439956.02	11N	
GFL007 19+50W	Mp-Am	2012	6/29/2012	MAP	556221.64	5439953.02	11N	
GFL007 19+75W	Mp-Am	2012	6/29/2012	MAP	556196.14	5439950.02	11N	
GFL007 20+00W	Mp-Am	2012	6/29/2012	GPS	556170.64	5439947.02	11N	5
GFL007 20+25W	Mp-Am	2012	6/29/2012	MAP	556145.52	5439942.52	11N	
GFL007 20+50W	Mp-Am	2012	6/29/2012	MAP	556120.4	5439938.02	11N	
GFL007 20+75W	Mp-Am	2012	6/29/2012	MAP	556095.27	5439933.52	11N	
GFL007 21+00W	Mp-Am	2012	6/29/2012	MAP	556070.15	5439929.02	11N	
GFL007 21+25W	Mp-Am	2012	6/29/2012	MAP	556045.02	5439924.52	11N	
GFL007 21+50W	Mp-Am	2012	6/29/2012	MAP	556019.9	5439920.02	11N	
GFL007 21+75W	Mp-Am	2012	6/29/2012	MAP	555994.77	5439915.52	11N	
GFL007 22+00W	Mp-Am	2012	6/29/2012	GPS	555969.65	5439911.02	11N	7
GFL007 22+25W	Mp-Am	2012	6/29/2012	MAP	555944.52	5439905.4	11N	
GFL007 22+50W	Mp-Am	2012	6/29/2012	MAP	555919.4	5439899.77	11N	
GFL007 22+75W	Mp-Am	2012	6/29/2012	MAP	555894.27	5439894.15	11N	
GFL007 23+00W	Mp-Am	2012	6/29/2012	MAP	555869.15	5439888.52	11N	
GFL007 23+25W	Mp-Am	2012	6/29/2012	MAP	555844.02	5439882.9	11N	
GFL007 23+50W	Mp-Am	2012	6/29/2012	MAP	555818.9	5439877.27	11N	
GFL007 23+75W	Mp-Am	2012	6/29/2012	MAP	555793.77	5439871.65	11N	
GFL007 24+00W	Mp-Am	2012	6/29/2012	GPS	555768.65	5439866.02	11N	16
GFL007 24+25W	Mp-Am	2012	6/30/2012	MAP	555743.9	5439862.15	11N	
GFL007 24+50W	Mp-Am	2012	6/30/2012	MAP	555719.15	5439858.27	11N	
GFL007 24+75W	Mp-Am	2012	6/30/2012	MAP	555694.4	5439854.4	11N	
GFL007 25+00W	Mp-Am	2012	6/30/2012	MAP	555669.65	5439850.52	11N	
GFL007 25+25W	Mp-Am	2012	6/30/2012	MAP	555644.9	5439846.65	11N	
GFL007 25+50W	Mp-Am	2012	6/30/2012	MAP	555620.15	5439842.77	11N	
GFL007 25+75W	Mp-Am	2012	6/30/2012	MAP	555595.4	5439838.9	11N	
GFL007 26+00W	Mp-Am	2012	6/30/2012	GPS	555570.65	5439835.02	11N	12
GFL007 26+25W	Mp-Am	2012	6/30/2012	MAP	555544.77	5439829.77	11N	
GFL007 26+50W	Mp-Am	2012	6/30/2012	MAP	555518.9	5439824.52	11N	
GFL007 26+75W	Mp-Am	2012	6/30/2012	MAP	555493.02	5439819.27	11N	
GFL007 27+00W	Mp-Am	2012	6/30/2012	MAP	555467.15	5439814.02	11N	
GFL007 27+25W	Mp-Am	2012	6/30/2012	MAP	555441.27	5439808.77	11N	
GFL007 27+50W	Mp-Am	2012	6/30/2012	MAP	555415.4	5439803.52	11N	
GFL007 27+75W	Mp-Am	2012	6/30/2012	MAP	555389.52	5439798.27	11N	
GFL007 28+00W	Mp-Am	2012	6/30/2012	GPS	555363.65	5439793.02	11N	11
GFL007 28+25W	Mp-Am	2012	6/30/2012	MAP	555339.65	5439787.65	11N	
GFL007 28+50W	Mp-Am	2012	6/30/2012	MAP	555315.65	5439782.27	11N	
GFL007 28+75W	Mp-Am	2012	6/30/2012	MAP	555291.65	5439776.9	11N	
GFL007 29+00W	Mp-Am	2012	6/30/2012	MAP	555267.65	5439771.52	11N	
GFL007 29+25W	Mp-Am	2012	6/30/2012	MAP	555243.65	5439766.15	11N	
GFL007 29+50W	Mp-Am	2012	6/30/2012	MAP	555219.65	5439760.77	11N	
GFL007 29+75W	Mp-Am	2012	6/30/2012	MAP	555195.65	5439755.4	11N	
GFL007 30+00W	Mp-M	2012	6/30/2012	GPS	555171.65	5439750.02	11N	4
GFL007 30+25W	Mp-M	2012	6/30/2012	MAP	555146.65	5439746.9	11N	
GFL007 30+50W	Mp-M	2012	6/30/2012	MAP	555121.65	5439743.77	11N	
GFL007 30+75W	Mp-M	2012	6/30/2012	MAP	555096.65	5439740.65	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
GFL007 31+00W	Mp-Am	2012	6/30/2012	MAP	555071.65	5439737.52	11N	
GFL007 31+25W	Mp-Am	2012	6/30/2012	MAP	555046.65	5439734.4	11N	
GFL007 31+50W	Mp-Am	2012	6/30/2012	MAP	555021.65	5439731.27	11N	
GFL007 31+75W	Mp-Am	2012	6/30/2012	MAP	554996.65	5439728.15	11N	
GFL007 32+00W	Mp-Am	2012	6/30/2012	GPS	554971.65	5439725.02	11N	4
GFL007 32+25W	Mp-Alr	2012	6/30/2012	MAP	554947.27	5439723.65	11N	
GFL007 32+50W	Mp-Alr	2012	6/30/2012	MAP	554922.9	5439722.27	11N	
GFL007 32+75W	Mp-Alr	2012	6/30/2012	MAP	554898.52	5439720.9	11N	
GFL007 33+00W	Mp-Alr	2012	6/30/2012	MAP	554874.15	5439719.52	11N	
GFL007 33+25W	Mp-Alr	2012	6/30/2012	MAP	554849.77	5439718.15	11N	
GFL007 33+50W	Mp-Alr	2012	6/30/2012	MAP	554825.4	5439716.77	11N	
GFL007 33+75W	Mp-Alr	2012	6/30/2012	MAP	554801.02	5439715.4	11N	
GFL007 34+00W	Mp-M	2012	6/30/2012	GPS	554776.65	5439714.02	11N	4
GFL007 34+25W	Mp-M	2012	6/30/2012	MAP	554751.77	5439713.02	11N	
GFL007 34+50W	Mp-M	2012	6/30/2012	MAP	554726.9	5439712.02	11N	
GFL007 34+75W	Mp-Au	2012	6/30/2012	MAP	554702.03	5439711.02	11N	
GFL007 35+00W	Mp-Au	2012	6/30/2012	MAP	554677.15	5439710.02	11N	
GFL007 35+25W	Mp-Au	2012	6/30/2012	MAP	554652.28	5439709.02	11N	
GFL007 35+50W	Mp-Au	2012	6/30/2012	MAP	554627.4	5439708.02	11N	
GFL007 35+75W	Mp-Au	2012	6/30/2012	MAP	554602.53	5439707.02	11N	
GFL007 36+00W	Mp-Au	2012	6/30/2012	GPS	554577.65	5439706.02	11N	6
GFL008 00+00	Mp-Alr	2012	7/1/2012	GPS	554850.65	5439320.02	11N	5
GFL008 00+25E	Mp-Alr	2012	7/1/2012	MAP	554875.15	5439321.52	11N	
GFL008 00+50E	Mp-M	2012	7/1/2012	MAP	554899.65	5439323.02	11N	
GFL008 00+75E	Mp-M	2012	7/1/2012	MAP	554924.15	5439324.52	11N	
GFL008 01+00E	Mp-M	2012	7/1/2012	MAP	554948.65	5439326.02	11N	
GFL008 01+25E	Mp-M	2012	7/1/2012	MAP	554973.15	5439327.52	11N	
GFL008 01+50E	Mp-M	2012	7/1/2012	MAP	554997.65	5439329.02	11N	
GFL008 01+75E	Mp-Alr	2012	7/1/2012	MAP	555022.15	5439330.52	11N	
GFL008 02+00E	Mp-Alr	2012	7/1/2012	GPS	555046.65	5439332.02	11N	3
GFL008 02+25E	Mp-Alr	2012	7/1/2012	MAP	555073.4	5439333.02	11N	
GFL008 02+50E	Mp-Alr	2012	7/1/2012	MAP	555100.15	5439334.02	11N	
GFL008 02+75E	Mp-Alr	2012	7/1/2012	MAP	555126.9	5439335.02	11N	
GFL008 03+00E	Mp-Alr	2012	7/1/2012	MAP	555153.65	5439336.02	11N	
GFL008 03+25E	Mp-Alr	2012	7/1/2012	MAP	555180.4	5439337.02	11N	
GFL008 03+50E	Mp-Alr	2012	7/1/2012	MAP	555207.15	5439338.02	11N	
GFL008 03+75E	Mp-Am	2012	7/1/2012	MAP	555233.9	5439339.02	11N	
GFL008 04+00E	Mp-Am	2012	7/1/2012	GPS	555260.65	5439340.02	11N	5
GFL008 04+25E	Mp-Am	2012	7/1/2012	MAP	555284.77	5439345.52	11N	
GFL008 04+50E	Mp-Am	2012	7/1/2012	MAP	555308.9	5439351.02	11N	
GFL008 04+75E	Mp-Am	2012	7/1/2012	MAP	555333.02	5439356.52	11N	
GFL008 05+00E	Mp-Am	2012	7/1/2012	MAP	555357.15	5439362.02	11N	
GFL008 05+25E	Mp-M	2012	7/1/2012	MAP	555381.27	5439367.52	11N	
GFL008 05+50E	Mp-M	2012	7/1/2012	MAP	555405.4	5439373.02	11N	
GFL008 05+75E	Mp-M	2012	7/1/2012	MAP	555429.52	5439378.52	11N	
GFL008 06+00E	Mp-M	2012	7/1/2012	GPS	555453.65	5439384.02	11N	22
GFL008 06+25E	Mp-Am	2012	7/1/2012	MAP	555477.27	5439393.27	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
GFL008 06+50E	Mp-Am	2012	7/1/2012	MAP	555500.9	5439402.52	11N	
GFL008 06+75E	Mp-Am	2012	7/1/2012	MAP	555524.52	5439411.77	11N	
GFL008 07+00E	Mp-Am	2012	7/1/2012	MAP	555548.15	5439421.02	11N	
GFL008 07+25E	Mp-Am	2012	7/1/2012	MAP	555571.77	5439430.27	11N	
GFL008 07+50E	Mp-Am	2012	7/1/2012	MAP	555595.4	5439439.52	11N	
GFL008 07+75E	Mp-Am	2012	7/1/2012	MAP	555619.02	5439448.77	11N	
GFL008 08+00E	Mp-Am	2012	7/1/2012	GPS	555642.65	5439458.02	11N	1
GFL008 08+25E	Mp-Am	2012	7/1/2012	MAP	555665.15	5439460.15	11N	
GFL008 08+50E	Mp-Am	2012	7/1/2012	MAP	555687.65	5439462.27	11N	
GFL008 08+75E	Mp-Am	2012	7/1/2012	MAP	555710.15	5439464.4	11N	
GFL008 09+00E	Mp-Am	2012	7/1/2012	MAP	555732.65	5439466.52	11N	
GFL008 09+25E	Mp-Am	2012	7/1/2012	MAP	555755.15	5439468.65	11N	
GFL008 09+50E	Mp-Am	2012	7/1/2012	MAP	555777.65	5439470.77	11N	
GFL008 09+75E	Mp-Am	2012	7/1/2012	MAP	555800.15	5439472.9	11N	
GFL008 10+00E	Mp-Am	2012	7/1/2012	GPS	555822.65	5439475.02	11N	2
GFL008 10+25E	Mp-Am	2012	7/1/2012	MAP	555847.9	5439479.15	11N	
GFL008 10+50E	Mp-Am	2012	7/1/2012	MAP	555873.15	5439483.27	11N	
GFL008 10+75E	Mp-Am	2012	7/1/2012	MAP	555898.4	5439487.4	11N	
GFL008 11+00E	Mp-Am	2012	7/1/2012	MAP	555923.65	5439491.52	11N	
GFL008 11+25E	Mp-Am	2012	7/1/2012	MAP	555948.9	5439495.65	11N	
GFL008 11+50E	Mp-Am	2012	7/1/2012	MAP	555974.15	5439499.77	11N	
GFL008 11+75E	Mp-Am	2012	7/1/2012	MAP	555999.4	5439503.9	11N	
GFL008 12+00E	Mp-Am	2012	7/1/2012	GPS	556024.65	5439508.02	11N	6
GFL008 12+25E	Mp-Am	2012	7/1/2012	MAP	556048.77	5439512.65	11N	
GFL008 12+50E	Mp-Am	2012	7/1/2012	MAP	556072.9	5439517.27	11N	
GFL008 12+75E	Mp-Am	2012	7/1/2012	MAP	556097.02	5439521.9	11N	
GFL008 13+00E	Mp-Am	2012	7/1/2012	MAP	556121.15	5439526.52	11N	
GFL008 13+25E	Mp-Am	2012	7/1/2012	MAP	556145.27	5439531.15	11N	
GFL008 13+50E	Mp-Am	2012	7/1/2012	MAP	556169.4	5439535.77	11N	
GFL008 13+75E	Mp-Am	2012	7/1/2012	MAP	556193.52	5439540.4	11N	
GFL008 14+00E	Mp-Am	2012	7/1/2012	GPS	556217.64	5439545.02	11N	14
GFL008 14+25E	Mp-Am	2012	7/2/2012	MAP	556266.64	5439556.02	11N	
GFL008 14+50E	Mp-Am	2012	7/2/2012	MAP	556291.14	5439561.52	11N	
GFL008 14+75E	Mp-Am	2012	7/2/2012	MAP	556315.64	5439567.02	11N	
GFL008 15+00E	Mp-Am	2012	7/2/2012	MAP	556340.14	5439572.52	11N	
GFL008 15+25E	Mp-Am	2012	7/2/2012	MAP	556364.64	5439578.02	11N	
GFL008 15+50E	Mp-Am	2012	7/2/2012	MAP	556389.14	5439583.52	11N	
GFL008 15+75E	Mp-Am	2012	7/2/2012	MAP	556413.64	5439589.02	11N	
GFL008 16+00E	Mp-Am	2012	7/2/2012	GPS	556242.14	5439547.29	11N	1
GFL008 16+25E	Mp-Am	2012	7/2/2012	MAP	556436.39	5439588.92	11N	
GFL008 16+50E	Mp-Am	2012	7/2/2012	MAP	556459.14	5439592.04	11N	
GFL008 16+75E	Mp-Am	2012	7/2/2012	MAP	556481.89	5439595.17	11N	
GFL008 17+00E	Mp-Am	2012	7/2/2012	MAP	556504.64	5439598.29	11N	
GFL008 17+25E	Mp-Am	2012	7/2/2012	MAP	556527.39	5439601.42	11N	
GFL008 17+50E	Mp-Am	2012	7/2/2012	MAP	556550.14	5439604.54	11N	
GFL008 17+75E	Mp-Am	2012	7/2/2012	MAP	556572.89	5439607.67	11N	
GFL008 18+00E	Mp-Am	2012	7/2/2012	NO SAMPLE	556595.64	5439610.79	11N	14

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
GFL008 18+25E	Mp-Am	2012	7/2/2012	MAP	556618.02	5439619.52	11N	
GFL008 18+50E	Mp-Am	2012	7/2/2012	MAP	556640.39	5439625.02	11N	
GFL008 18+75E	Mp-Am	2012	7/2/2012	MAP	556662.77	5439630.52	11N	
GFL008 19+00E	Mp-Am	2012	7/2/2012	NO SAMPLE	556685.14	5439636.02	11N	
GFL008 19+25E	Mp-Am	2012	7/2/2012	NO SAMPLE	556707.52	5439641.52	11N	
GFL008 19+50E	Mp-Am	2012	7/2/2012	NO SAMPLE	556729.89	5439647.02	11N	
GFL008 19+75E	Mp-Am	2012	7/2/2012	NO SAMPLE	556752.27	5439652.52	11N	
GFL008 20+00E	Mp-Am	2012	7/2/2012	GPS	556774.64	5439658.02	11N	6
GFL008 20+25E	Mp-Am	2012	7/2/2012	MAP	556797.77	5439660.65	11N	
GFL008 20+50E	Mp-Am	2012	7/2/2012	MAP	556820.89	5439663.27	11N	
GFL008 20+75E	Mp-Am	2012	7/2/2012	MAP	556844.02	5439665.9	11N	
GFL008 21+00E	Mp-Am	2012	7/2/2012	MAP	556867.14	5439668.52	11N	
GFL008 21+25E	Mp-Am	2012	7/2/2012	MAP	556890.27	5439671.15	11N	
GFL008 21+50E	Mp-Am	2012	7/2/2012	MAP	556913.39	5439673.77	11N	
GFL008 21+75E	Mp-Am	2012	7/2/2012	MAP	556936.52	5439676.4	11N	
GFL008 22+00E	Mp-Am	2012	7/2/2012	GPS	556959.28	5439679.04	11N	7
GFL008 22+25E	Mp-Am	2012	7/2/2012	MAP	556984.45	5439680.92	11N	
GFL008 22+50E	Mp-Am	2012	7/2/2012	MAP	557009.62	5439682.79	11N	
GFL008 22+75E	Mp-Am	2012	7/3/2012	MAP	557034.79	5439684.66	11N	
GFL008 23+00E	Mp-Am	2012	7/3/2012	MAP	557059.96	5439686.53	11N	
GFL008 23+25E	Mp-Am	2012	7/3/2012	MAP	557085.13	5439688.41	11N	
GFL008 23+50E	Mp-Am	2012	7/3/2012	MAP	557110.3	5439690.28	11N	
GFL008 23+75E	Mp-Am	2012	7/3/2012	MAP	557135.47	5439692.15	11N	
GFL008 24+00E	Mp-Am	2012	7/3/2012	GPS	557160.64	5439694.02	11N	12
GFL008 24+25E	Mp-Am	2012	7/3/2012	MAP	557184.39	5439705.02	11N	
GFL008 24+50E	Mp-Am	2012	7/3/2012	MAP	557208.14	5439716.02	11N	
GFL008 24+75E	Mp-Am	2012	7/3/2012	MAP	557231.89	5439727.02	11N	
GFL008 25+00E	Mp-Am	2012	7/3/2012	MAP	557255.64	5439738.02	11N	
GFL008 25+25E	Mp-Am	2012	7/3/2012	MAP	557279.39	5439749.02	11N	
GFL008 25+50E	Mp-Am	2012	7/3/2012	MAP	557303.14	5439760.02	11N	
GFL008 25+75E	Mp-Am	2012	7/3/2012	MAP	557326.89	5439771.02	11N	
GFL008 26+00E	Mp-Am	2012	7/3/2012	GPS	557350.64	5439782.02	11N	29
GFL008 26+25E	Mp-Am	2012	7/3/2012	MAP	557372.64	5439786.4	11N	
GFL008 26+50E	Mp-Am	2012	7/3/2012	MAP	557394.64	5439790.77	11N	
GFL008 26+75E	Mp-Am	2012	7/3/2012	MAP	557416.64	5439795.15	11N	
GFL008 27+00E	Mp-Am	2012	7/3/2012	MAP	557438.64	5439799.52	11N	
GFL008 27+25E	Mp-Am	2012	7/3/2012	MAP	557460.64	5439803.9	11N	
GFL008 27+50E	Mp-Am	2012	7/3/2012	MAP	557482.64	5439808.27	11N	
GFL008 27+75E	Mp-Am	2012	7/3/2012	MAP	557504.64	5439812.65	11N	
GFL008 28+00E	Mp-Am	2012	7/3/2012	GPS	557526.64	5439817.02	11N	2
GFL008 28+25E	Mp-Am	2012	7/3/2012	MAP	557553.52	5439820.9	11N	
GFL008 28+50E	Mp-Am	2012	7/3/2012	MAP	557580.39	5439824.77	11N	
GFL008 28+75E	Mp-Am	2012	7/3/2012	MAP	557607.27	5439828.65	11N	
GFL008 29+00E	Mp-Am	2012	7/3/2012	MAP	557634.14	5439832.52	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
GFL008 29+25E	Mp-Am	2012	7/3/2012	MAP	557661.01	5439836.4	11N	
GFL008 29+50E	Mp-Am	2012	7/3/2012	MAP	557687.89	5439840.27	11N	
GFL008 29+75E	Mp-Am	2012	7/3/2012	MAP	557714.76	5439844.15	11N	
GFL008 30+00E	Mp-Am	2012	7/3/2012	GPS	557741.64	5439848.02	11N	2
GFL008 30+25E	Mp-Am	2012	7/3/2012	MAP	557764.89	5439851.27	11N	
GFL008 30+50E	Mp-Am	2012	7/3/2012	MAP	557788.14	5439854.52	11N	
GFL008 30+75E	Mp-Am	2012	7/3/2012	MAP	557811.39	5439857.77	11N	
GFL008 31+00E	Mp-Am	2012	7/3/2012	MAP	557834.64	5439861.02	11N	
GFL008 31+25E	Mp-M	2012	7/3/2012	MAP	557857.89	5439864.27	11N	
GFL008 31+50E	Mp-M	2012	7/3/2012	MAP	557881.14	5439867.52	11N	
GFL008 31+75E	Mp-M	2012	7/3/2012	MAP	557904.39	5439870.77	11N	
GFL008 32+00E	Mp-M	2012	7/3/2012	GPS	557927.64	5439874.02	11N	15
GFL008 32+25E	Mp-Am	2012	7/3/2012	MAP	557953.76	5439877.02	11N	
GFL008 32+50E	Mp-Am	2012	7/3/2012	MAP	557979.89	5439880.02	11N	
GFL008 32+75E	Mp-Am	2012	7/3/2012	MAP	558006.01	5439883.02	11N	
GFL008 33+00E	Mp-Am	2012	7/3/2012	MAP	558032.14	5439886.02	11N	
GFL008 33+25E	Mp-Am	2012	7/3/2012	NO SAMPLE	558058.26	5439889.02	11N	
GFL008 33+50E	Mp-Am	2012	7/3/2012	MAP	558084.39	5439892.02	11N	
GFL008 33+75E	Mp-Am	2012	7/3/2012	MAP	558110.51	5439895.02	11N	
GFL008 34+00E	Mp-Am	2012	7/3/2012	GPS	558136.64	5439898.02	11N	3
GFL009 00+00	Mp-M	2012	7/2/2012	GPS	555611.65	5439067.02	11N	6
GFL009 00+25E	Mp-Am	2012	7/2/2012	MAP	555637.15	5439070.52	11N	
GFL009 00+50E	Mp-Am	2012	7/2/2012	MAP	555662.65	5439074.02	11N	
GFL009 00+75E	Mp-Am	2012	7/2/2012	MAP	555688.15	5439077.52	11N	
GFL009 01+00E	Mp-Am	2012	7/2/2012	NO SAMPLE	555713.65	5439081.02	11N	
GFL009 01+25E	Mp-Am	2012	7/2/2012	MAP	555739.15	5439084.52	11N	
GFL009 01+50E	Mp-Am	2012	7/2/2012	MAP	555764.65	5439088.02	11N	
GFL009 01+75E	Mp-Am	2012	7/2/2012	MAP	555790.15	5439091.52	11N	
GFL009 02+00E	Mp-Am	2012	7/2/2012	GPS	555815.65	5439095.02	11N	7
GFL009 02+25E	Mp-Am	2012	7/2/2012	MAP	555838.9	5439103.4	11N	
GFL009 02+50E	Mp-Am	2012	7/2/2012	MAP	555862.15	5439111.77	11N	
GFL009 02+75E	Mp-Am	2012	7/2/2012	MAP	555885.4	5439120.15	11N	
GFL009 03+00E	Mp-Am	2012	7/2/2012	MAP	555908.65	5439128.52	11N	
GFL009 03+25E	Mp-Am	2012	7/2/2012	MAP	555931.9	5439136.9	11N	
GFL009 03+50E	Mp-Am	2012	7/2/2012	MAP	555955.15	5439145.27	11N	
GFL009 03+75E	Mp-Am	2012	7/2/2012	NO SAMPLE	555978.4	5439153.65	11N	
GFL009 04+00E	Mp-Am	2012	7/2/2012	GPS	556001.65	5439162.02	11N	9
GFL009 04+25E	Mp-Am	2012	7/2/2012	MAP	556025.65	5439174.15	11N	
GFL009 04+50E	Mp-Am	2012	7/2/2012	NO SAMPLE	556049.65	5439186.27	11N	
GFL009 04+75E	Mp-Am	2012	7/2/2012	MAP	556073.65	5439198.4	11N	
GFL009 05+00E	Mp-Am	2012	7/2/2012	MAP	556097.65	5439210.52	11N	
GFL009 05+25E	Mp-Am	2012	7/2/2012	MAP	556121.65	5439222.65	11N	
GFL009 05+50E	Mp-Am	2012	7/2/2012	NO SAMPLE	556145.65	5439234.77	11N	
GFL009 05+75E	Mp-Am	2012	7/2/2012	MAP	556169.65	5439246.9	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
GFL009 06+00E	Mp-Am	2012	7/2/2012	GPS	556193.64	5439259.02	11N	9
GFL009 06+25E	Mp-Am	2012	7/2/2012	MAP	556213.39	5439263.77	11N	
GFL009 06+50E	Mp-Am	2012	7/2/2012	MAP	556233.14	5439268.52	11N	
GFL009 06+75E	Mp-Am	2012	7/2/2012	MAP	556252.89	5439273.27	11N	
GFL009 07+00E	Mp-Am	2012	7/2/2012	MAP	556272.64	5439278.02	11N	
GFL009 07+25E	Mp-Am	2012	7/2/2012	NO SAMPLE	556292.39	5439282.77	11N	
GFL009 07+50E	Mp-Am	2012	7/2/2012	NO SAMPLE	556312.14	5439287.52	11N	
GFL009 07+75E	Mp-Am	2012	7/2/2012	MAP	556331.89	5439292.27	11N	
GFL009 08+00E	Mp-Am	2012	7/2/2012	GPS	556351.64	5439297.02	11N	12
GFL009 08+25E	Mp-Am	2012	7/2/2012	MAP	556379.02	5439299.9	11N	
GFL009 08+50E	Mp-Am	2012	7/2/2012	MAP	556406.39	5439302.77	11N	
GFL009 08+75E	Mp-Am	2012	7/2/2012	MAP	556433.77	5439305.65	11N	
GFL009 09+00E	Mp-Am	2012	7/2/2012	MAP	556461.14	5439308.52	11N	
GFL009 09+25E	Mp-Am	2012	7/2/2012	MAP	556488.52	5439311.4	11N	
GFL009 09+50E	Mp-Am	2012	7/2/2012	NO SAMPLE	556515.89	5439314.27	11N	
GFL009 09+75E	Mp-Am	2012	7/2/2012	MAP	556543.27	5439317.15	11N	
GFL009 10+00E	Mp-Am	2012	7/2/2012	GPS	556570.64	5439320.02	11N	5
GFL009 10+25E	Mp-Am	2012	7/2/2012	NO SAMPLE	556594.02	5439314.65	11N	
GFL009 10+50E	Mp-Am	2012	7/2/2012	MAP	556617.39	5439309.27	11N	
GFL009 10+75E	Mp-Am	2012	7/2/2012	MAP	556640.77	5439303.9	11N	
GFL009 11+00E	Mp-Am	2012	7/2/2012	MAP	556664.14	5439298.52	11N	
GFL009 11+25E	Mp-Am	2012	7/2/2012	MAP	556687.52	5439293.15	11N	
GFL009 11+50E	Mp-Am	2012	7/2/2012	NO SAMPLE	556710.89	5439287.77	11N	
GFL009 11+75E	Mp-Am	2012	7/2/2012	NO SAMPLE	556734.27	5439282.4	11N	
GFL009 12+00E	Mp-Am	2012	7/2/2012	NO SAMPLE	556757.64	5439277.02	11N	8
GFL009 12+25E	Mp-Am	2012	7/2/2012	MAP	556781.52	5439278.77	11N	
GFL009 12+50E	Mp-Am	2012	7/2/2012	MAP	556805.39	5439280.52	11N	
GFL009 12+75E	Mp-Am	2012	7/2/2012	MAP	556829.27	5439282.27	11N	
GFL009 13+00E	Mp-Am	2012	7/2/2012	MAP	556853.14	5439284.02	11N	
GFL009 13+25E	Mp-Am	2012	7/2/2012	MAP	556877.02	5439285.77	11N	
GFL009 13+50E	Mp-Am	2012	7/2/2012	MAP	556900.89	5439287.52	11N	
GFL009 13+75E	Mp-Am	2012	7/2/2012	MAP	556924.77	5439289.27	11N	
GFL009 14+00E	Mp-Am	2012	7/2/2012	GPS	556948.64	5439291.02	11N	7
GFL009 14+25E	Mp-Am	2012	7/2/2012	MAP	556972.39	5439296.52	11N	
GFL009 14+50E	Mp-Am	2012	7/2/2012	NO SAMPLE	556996.14	5439302.02	11N	
GFL009 14+75E	Mp-Am	2012	7/2/2012	MAP	557019.89	5439307.52	11N	
GFL009 15+00E	Mp-Am	2012	7/2/2012	MAP	557043.64	5439313.02	11N	
GFL009 15+25E	Mp-Am	2012	7/2/2012	MAP	557067.39	5439318.52	11N	
GFL009 15+50E	Mp-Am	2012	7/2/2012	MAP	557091.14	5439324.02	11N	
GFL009 15+75E	Mp-Am	2012	7/2/2012	MAP	557114.89	5439329.52	11N	
GFL009 16+00E	Mp-Am	2012	7/2/2012	GPS	557138.64	5439335.02	11N	8

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
GFL009 16+25E	Mp-Am	2012	7/2/2012	MAP	557164.02	5439342.27	11N	
GFL009 16+50E	Mp-Am	2012	7/2/2012	MAP	557189.39	5439349.52	11N	
GFL009 16+75E	Mp-Am	2012	7/2/2012	MAP	557214.77	5439356.77	11N	
GFL009 17+00E	Mp-Am	2012	7/2/2012	MAP	557240.14	5439364.02	11N	
GFL009 17+25E	Mp-Am	2012	7/2/2012	MAP	557265.52	5439371.27	11N	
GFL009 17+50E	Mp-Am	2012	7/2/2012	MAP	557290.89	5439378.52	11N	
GFL009 17+75E	Mp-Am	2012	7/2/2012	MAP	557316.27	5439385.77	11N	
GFL009 18+00E	Mp-Am	2012	7/2/2012	GPS	557341.64	5439393.02	11N	1
GFL009 18+25E	Mp-Am	2012	7/2/2012	MAP	557366.77	5439395.65	11N	
GFL009 18+50E	Mp-Am	2012	7/2/2012	MAP	557391.89	5439398.27	11N	
GFL009 18+75E	Mp-Am	2012	7/2/2012	MAP	557417.02	5439400.9	11N	
GFL009 19+00E	Mp-Am	2012	7/2/2012	MAP	557442.14	5439403.52	11N	
GFL009 19+25E	Mp-Am	2012	7/2/2012	NO SAMPLE	557467.27	5439406.15	11N	
GFL009 19+50E	Mp-Am	2012	7/2/2012	MAP	557492.39	5439408.77	11N	
GFL009 19+75E	Mp-Am	2012	7/2/2012	MAP	557517.52	5439411.4	11N	
GFL009 20+00E	Mp-Am	2012	7/2/2012	GPS	557542.28	5439414.04	11N	7
GFL009 20+25E	Mp-Am	2012	7/2/2012	MAP	557569.08	5439420.17	11N	
GFL009 20+50E	Mp-Am	2012	7/3/2012	MAP	557595.87	5439426.29	11N	
GFL009 20+75E	Mp-Am	2012	7/3/2012	MAP	557622.67	5439432.41	11N	
GFL009 21+00E	Mp-Am	2012	7/3/2012	MAP	557649.46	5439438.53	11N	
GFL009 21+25E	Mp-Am	2012	7/3/2012	MAP	557676.25	5439444.66	11N	
GFL009 21+50E	Mp-Am	2012	7/3/2012	MAP	557703.05	5439450.78	11N	
GFL009 21+75E	Mp-Am	2012	7/3/2012	MAP	557729.84	5439456.9	11N	
GFL009 22+00E	Mp-Am	2012	7/3/2012	GPS	557756.64	5439463.02	11N	6
GFL009 22+25E	Mp-Am	2012	7/3/2012	MAP	557779.51	5439466.15	11N	
GFL009 22+50E	Mp-Am	2012	7/3/2012	MAP	557802.39	5439469.27	11N	
GFL009 22+75E	Mp-Am	2012	7/3/2012	MAP	557825.26	5439472.4	11N	
GFL009 23+00E	Mp-Am	2012	7/3/2012	MAP	557848.14	5439475.52	11N	
GFL009 23+25E	Mp-Am	2012	7/3/2012	MAP	557871.01	5439478.65	11N	
GFL009 23+50E	Mp-Am	2012	7/3/2012	MAP	557893.89	5439481.77	11N	
GFL009 23+75E	Mp-Am	2012	7/3/2012	MAP	557916.76	5439484.9	11N	
GFL009 24+00E	Mp-Am	2012	7/3/2012	GPS	557939.64	5439488.02	11N	1
GFL009 24+25E	Mp-Am	2012	7/3/2012	MAP	557966.01	5439492.15	11N	
GFL009 24+50E	Mp-Am	2012	7/3/2012	MAP	557992.39	5439496.27	11N	
GFL009 24+75E	Mp-Am	2012	7/3/2012	MAP	558018.76	5439500.4	11N	
GFL009 25+00E	Mp-Am	2012	7/3/2012	MAP	558045.14	5439504.52	11N	
GFL009 25+25E	Mp-Am	2012	7/3/2012	MAP	558071.51	5439508.65	11N	
GFL009 25+50E	Mp-Am	2012	7/3/2012	MAP	558097.89	5439512.77	11N	
GFL009 25+75E	Mp-Am	2012	7/3/2012	MAP	558124.26	5439516.9	11N	
GFL009 26+00E	Mp-Am	2012	7/3/2012	GPS	558150.64	5439521.02	11N	6
GFL009 26+25E	Mp-Am	2012	7/3/2012	MAP	558177.39	5439524.52	11N	
GFL009 26+50E	Mp-Am	2012	7/3/2012	MAP	558204.14	5439528.02	11N	
GFL009 26+75E	Mp-Am	2012	7/3/2012	MAP	558230.89	5439531.52	11N	
GFL009 27+00E	Mp-Am	2012	7/3/2012	MAP	558257.64	5439535.02	11N	
GFL009 27+25E	Mp-Am	2012	7/3/2012	MAP	558284.39	5439538.52	11N	
GFL009 27+50E	Mp-Am	2012	7/3/2012	MAP	558311.14	5439542.02	11N	
GFL009 27+75E	Mp-Am	2012	7/3/2012	MAP	558337.89	5439545.52	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
GFL009 28+00E	Mp-Am	2012	7/3/2012	GPS	558364.64	5439549.02	11N	4
GFL009 28+25E	Mp-Am	2012	7/3/2012	MAP	558394.14	5439551.27	11N	
GFL009 28+50E	Mp-Am	2012	7/3/2012	MAP	558423.64	5439553.52	11N	
GFL009 28+75E	Mp-Am	2012	7/3/2012	MAP	558453.14	5439555.77	11N	
GFL009 29+00E	Mp-Am	2012	7/3/2012	MAP	558482.64	5439558.02	11N	
GFL009 29+25E	Mp-Am	2012	7/3/2012	MAP	558512.14	5439560.27	11N	
GFL009 29+50E	Mp-Am	2012	7/3/2012	MAP	558541.64	5439562.52	11N	
GFL009 29+75E	Mp-Am	2012	7/3/2012	MAP	558571.14	5439564.77	11N	
GFL009 30+00E	Mp-Am	2012	7/3/2012	GPS	558600.64	5439567.02	11N	12
GFL009 30+25E	Mp-Am	2012	7/3/2012	MAP	558623.01	5439573.65	11N	
GFL009 30+50E	Mp-Am	2012	7/3/2012	MAP	558645.39	5439580.27	11N	
GFL009 30+75E	Mp-Am	2012	7/3/2012	MAP	558667.76	5439586.9	11N	
GFL009 31+00E	Mp-Am	2012	7/3/2012	MAP	558690.14	5439593.52	11N	
GFL009 31+25E	Mp-Am	2012	7/3/2012	MAP	558712.51	5439600.15	11N	
GFL009 31+50E	Mp-Am	2012	7/3/2012	MAP	558734.89	5439606.77	11N	
GFL009 31+75E	Mp-Am	2012	7/3/2012	MAP	558757.26	5439613.4	11N	
GFL009 32+00E	Mp-Am	2012	7/3/2012	GPS	558779.64	5439620.02	11N	1
GFL009 32+25E	Mp-Am	2012	7/3/2012	MAP	558807.89	5439625.02	11N	
GFL009 32+50E	Mp-Am	2012	7/3/2012	MAP	558836.14	5439630.02	11N	
GFL009 32+75E	Mp-Am	2012	7/3/2012	MAP	558864.39	5439635.02	11N	
GFL009 33+00E	Mp-Am	2012	7/3/2012	MAP	558892.64	5439640.02	11N	
GFL009 33+25E	Mp-Am	2012	7/3/2012	MAP	558920.89	5439645.02	11N	
GFL009 33+50E	Mp-Am	2012	7/3/2012	MAP	558949.14	5439650.02	11N	
GFL009 33+75E	Mp-Am	2012	7/3/2012	MAP	558977.39	5439655.02	11N	
GFL009 34+00E	Mp-Am	2012	7/3/2012	GPS	559005.64	5439660.02	11N	9
GFL009 34+25E	Mp-Am	2012	7/3/2012	MAP	559030.26	5439663.15	11N	
GFL009 34+50E	Mp-Am	2012	7/3/2012	MAP	559054.88	5439666.27	11N	
GFL009 34+75E	Mp-Am	2012	7/3/2012	MAP	559079.51	5439669.4	11N	
GFL009 35+00E	Mp-Am	2012	7/3/2012	MAP	559104.13	5439672.52	11N	
GFL009 35+25E	Mp-Am	2012	7/3/2012	MAP	559128.76	5439675.65	11N	
GFL009 35+50E	Mp-Am	2012	7/3/2012	MAP	559153.38	5439678.77	11N	
GFL009 35+75E	Mp-Am	2012	7/3/2012	MAP	559178.01	5439681.9	11N	
GFL009 36+00E	Mp-Am	2012	7/3/2012	GPS	559202.63	5439685.02	11N	8
GFL009 36+25E	Mp-Am	2012	7/4/2012	MAP	559228.26	5439690.02	11N	
GFL009 36+50E	Mp-Am	2012	7/4/2012	MAP	559253.88	5439695.02	11N	
GFL009 36+75E	Mp-Am	2012	7/4/2012	MAP	559279.51	5439700.02	11N	
GFL009 37+00E	Mp-Am	2012	7/4/2012	MAP	559305.13	5439705.02	11N	
GFL009 37+25E	Mp-Am	2012	7/4/2012	MAP	559330.76	5439710.02	11N	
GFL009 37+50E	Mp-Am	2012	7/4/2012	MAP	559356.38	5439715.02	11N	
GFL009 37+75E	Mp-Am	2012	7/4/2012	MAP	559382.01	5439720.02	11N	
GFL009 38+00E	Mp-Am	2012	7/4/2012	GPS	559407.63	5439725.02	11N	6
GFL009 38+25E	Mp-Am	2012	7/4/2012	MAP	559433.63	5439728.77	11N	
GFL009 38+50E	Mp-Am	2012	7/4/2012	MAP	559459.63	5439732.52	11N	
GFL009 38+75E	Mp-Am	2012	7/4/2012	MAP	559485.63	5439736.27	11N	
GFL009 39+00E	Mp-Am	2012	7/4/2012	MAP	559511.63	5439740.02	11N	
GFL009 39+25E	Mp-Am	2012	7/4/2012	MAP	559537.63	5439743.77	11N	
GFL009 39+50E	Mp-Am	2012	7/4/2012	MAP	559563.63	5439747.52	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
GFL009 39+75E	Mp-Am	2012	7/4/2012	MAP	559589.63	5439751.27	11N	
GFL009 40+00E	Mp-Am	2012	7/4/2012	GPS	559615.63	5439755.02	11N	6
GFL009 40+25E	Mp-Am	2012	7/4/2012	MAP	559638.76	5439758.9	11N	
GFL009 40+50E	Mp-Am	2012	7/4/2012	MAP	559661.88	5439762.77	11N	
GFL009 40+75E	Mp-Am	2012	7/4/2012	MAP	559685.01	5439766.65	11N	
GFL009 41+00E	Mp-Am	2012	7/4/2012	MAP	559708.13	5439770.52	11N	
GFL009 41+25E	Mp-Am	2012	7/4/2012	MAP	559731.26	5439774.4	11N	
GFL009 41+50E	Mp-Am	2012	7/4/2012	MAP	559754.38	5439778.27	11N	
GFL009 41+75E	Mp-Am	2012	7/4/2012	MAP	559777.51	5439782.15	11N	
GFL009 42+00E	Mp-Am	2012	7/4/2012	GPS	559800.63	5439786.02	11N	5
GFL009 42+25E	Mp-Am	2012	7/4/2012	MAP	559826.26	5439791.9	11N	
GFL009 42+50E	Mp-Am	2012	7/4/2012	MAP	559851.88	5439797.77	11N	
GFL009 42+75E	Mp-Am	2012	7/4/2012	MAP	559877.51	5439803.65	11N	
GFL009 43+00E	Mp-Am	2012	7/4/2012	MAP	559903.13	5439809.52	11N	
GFL009 43+25E	Mp-Am	2012	7/4/2012	MAP	559928.76	5439815.4	11N	
GFL009 43+50E	Mp-Am	2012	7/4/2012	MAP	559954.38	5439821.27	11N	
GFL009 43+75E	Mp-Am	2012	7/4/2012	MAP	559980.01	5439827.15	11N	
GFL009 44+00E	Mp-Am	2012	7/4/2012	GPS	560005.63	5439833.02	11N	9
GFL009 44+25E	Mp-Am	2012	7/4/2012	MAP	560029.88	5439834.02	11N	
GFL009 44+50E	Mp-Am	2012	7/4/2012	MAP	560054.13	5439835.02	11N	
GFL009 44+75E	Mp-Am	2012	7/4/2012	MAP	560078.38	5439836.02	11N	
GFL009 45+00E	Mp-Am	2012	7/4/2012	MAP	560102.63	5439837.02	11N	
GFL009 45+25E	Mp-Am	2012	7/4/2012	MAP	560126.88	5439838.02	11N	
GFL009 45+50E	Mp-Am	2012	7/4/2012	MAP	560151.13	5439839.02	11N	
GFL009 45+75E	Mp-Am	2012	7/4/2012	MAP	560175.38	5439840.02	11N	
GFL009 46+00E	Mp-Am	2012	7/4/2012	GPS	560199.63	5439841.02	11N	1
GFL009 46+25E	Mp-Am	2012	7/4/2012	MAP	560226.26	5439847.4	11N	
GFL009 46+50E	Mp-Am	2012	7/4/2012	NO SAMPLE	560252.88	5439853.77	11N	
GFL009 46+75E	Mp-Am	2012	7/4/2012	MAP	560279.51	5439860.15	11N	
GFL009 47+00E	Mp-Cl	2012	7/4/2012	MAP	560306.13	5439866.52	11N	
GFL009 47+25E	Qt-al	2012	7/4/2012	MAP	560332.76	5439872.9	11N	
GFL009 47+50E	Qt-al	2012	7/4/2012	MAP	560359.38	5439879.27	11N	
GFL009 47+75E	Qt-al	2012	7/4/2012	NO SAMPLE	560386.01	5439885.65	11N	
GFL009 48+00E	Qt-al	2012	7/4/2012	GPS	560412.63	5439892.02	11N	6
GFL010 00+00	Mp-Am	2012	7/4/2012	GPS	556072.65	5438730.02	11N	12
GFL010 00+25E	Mp-Am	2012	7/4/2012	MAP	556096.9	5438735.52	11N	
GFL010 00+50E	Mp-Am	2012	7/4/2012	MAP	556121.15	5438741.02	11N	
GFL010 00+75E	Mp-Am	2012	7/4/2012	MAP	556145.4	5438746.52	11N	
GFL010 01+00E	Mp-Am	2012	7/4/2012	NO SAMPLE	556169.65	5438752.02	11N	
GFL010 01+25E	Mp-Am	2012	7/4/2012	NO SAMPLE	556193.9	5438757.52	11N	
GFL010 01+50E	Mp-Am	2012	7/4/2012	NO SAMPLE	556218.14	5438763.02	11N	
GFL010 01+75E	Mp-Am	2012	7/4/2012	MAP	556242.39	5438768.52	11N	
GFL010 02+00E	Mp-Am	2012	7/4/2012	NO SAMPLE	556266.64	5438774.02	11N	6

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
GFL010 02+25E	Mp-Am	2012	7/4/2012	MAP	556291.52	5438780.77	11N	
GFL010 02+50E	Mp-Am	2012	7/4/2012	NO SAMPLE	556316.39	5438787.52	11N	
GFL010 02+75E	Mp-Am	2012	7/4/2012	MAP	556341.27	5438794.27	11N	
GFL010 03+00E	Mp-Am	2012	7/4/2012	MAP	556366.14	5438801.02	11N	
GFL010 03+25E	Mp-Am	2012	7/4/2012	NO SAMPLE	556391.02	5438807.77	11N	
GFL010 03+50E	Mp-Am	2012	7/4/2012	NO SAMPLE	556415.89	5438814.52	11N	
GFL010 03+75E	Mp-Am	2012	7/4/2012	NO SAMPLE	556440.77	5438821.27	11N	
GFL010 04+00E	Mp-Am	2012	7/4/2012	GPS	556465.64	5438828.02	11N	5
GFL010 04+25E	Mp-Am	2012	7/4/2012	MAP	556486.64	5438829.77	11N	
GFL010 04+50E	Mp-Am	2012	7/4/2012	MAP	556507.64	5438831.52	11N	
GFL010 04+75E	Mp-Am	2012	7/4/2012	MAP	556528.64	5438833.27	11N	
GFL010 05+00E	Mp-Am	2012	7/4/2012	MAP	556549.64	5438835.02	11N	
GFL010 05+25E	Mp-Am	2012	7/4/2012	MAP	556570.64	5438836.77	11N	
GFL010 05+50E	Mp-Am	2012	7/4/2012	MAP	556591.64	5438838.52	11N	
GFL010 05+75E	Mp-Am	2012	7/4/2012	MAP	556612.64	5438840.27	11N	
GFL010 06+00E	Mp-Am	2012	7/4/2012	GPS	556633.64	5438842.02	11N	9
GFL010 06+25E	Mp-Am	2012	7/4/2012	MAP	556657.64	5438843.65	11N	
GFL010 06+50E	Mp-Am	2012	7/4/2012	MAP	556681.64	5438845.27	11N	
GFL010 06+75E	Mp-Am	2012	7/4/2012	MAP	556705.64	5438846.9	11N	
GFL010 07+00E	Mp-Am	2012	7/4/2012	MAP	556729.64	5438848.52	11N	
GFL010 07+25E	Mp-Am	2012	7/4/2012	MAP	556753.64	5438850.15	11N	
GFL010 07+50E	Mp-Am	2012	7/4/2012	MAP	556777.64	5438851.77	11N	
GFL010 07+75E	Mp-Am	2012	7/4/2012	MAP	556801.64	5438853.4	11N	
GFL010 08+00E	Mp-Am	2012	7/4/2012	GPS	556825.64	5438855.02	11N	11
GFL010 08+25E	Mp-Am	2012	7/4/2012	MAP	556850.39	5438860.02	11N	
GFL010 08+50E	Mp-Am	2012	7/4/2012	MAP	556875.14	5438865.02	11N	
GFL010 08+75E	Mp-Am	2012	7/4/2012	MAP	556899.89	5438870.02	11N	
GFL010 09+00E	Mp-Am	2012	7/4/2012	MAP	556924.64	5438875.02	11N	
GFL010 09+25E	Mp-Am	2012	7/4/2012	MAP	556949.39	5438880.02	11N	
GFL010 09+50E	Mp-Am	2012	7/4/2012	MAP	556974.14	5438885.02	11N	
GFL010 09+75E	Mp-Am	2012	7/4/2012	MAP	556998.89	5438890.02	11N	
GFL010 10+00E	Mp-Am	2012	7/4/2012	GPS	557023.64	5438895.02	11N	1
GFL010 10+25E	Mp-Am	2012	7/4/2012	MAP	557048.52	5438900.65	11N	
GFL010 10+50E	Mp-Am	2012	7/4/2012	MAP	557073.39	5438906.27	11N	
GFL010 10+75E	Mp-Am	2012	7/4/2012	MAP	557098.27	5438911.9	11N	
GFL010 11+00E	Mp-Am	2012	7/4/2012	MAP	557123.14	5438917.52	11N	
GFL010 11+25E	Mp-Am	2012	7/4/2012	MAP	557148.02	5438923.15	11N	
GFL010 11+50E	Mp-Am	2012	7/4/2012	MAP	557172.89	5438928.77	11N	
GFL010 11+75E	Mp-Am	2012	7/4/2012	MAP	557197.77	5438934.4	11N	
GFL010 12+00E	Mp-Am	2012	7/4/2012	GPS	557222.64	5438940.02	11N	12
GFL010 12+25E	Mp-Am	2012	7/5/2012	MAP	557246.27	5438945.15	11N	
GFL010 12+50E	Mp-Am	2012	7/5/2012	MAP	557269.89	5438950.27	11N	
GFL010 12+75E	Mp-Am	2012	7/5/2012	MAP	557293.52	5438955.4	11N	
GFL010 13+00E	Mp-Am	2012	7/5/2012	MAP	557317.14	5438960.52	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
GFL010 13+25E	Mp-Am	2012	7/5/2012	MAP	557340.77	5438965.65	11N	
GFL010 13+50E	Mp-Am	2012	7/5/2012	MAP	557364.39	5438970.77	11N	
GFL010 13+75E	Mp-Am	2012	7/5/2012	MAP	557388.02	5438975.9	11N	
GFL010 14+00E	Mp-Am	2012	7/5/2012	GPS	557411.64	5438981.02	11N	8
GFL010 14+25E	Mp-Am	2012	7/5/2012	MAP	557435.77	5438987.02	11N	
GFL010 14+50E	Mp-Am	2012	7/5/2012	MAP	557459.89	5438993.02	11N	
GFL010 14+75E	Mp-Am	2012	7/5/2012	MAP	557484.02	5438999.02	11N	
GFL010 15+00E	Mp-Am	2012	7/5/2012	MAP	557508.14	5439005.02	11N	
GFL010 15+25E	Mp-Am	2012	7/5/2012	MAP	557532.27	5439011.02	11N	
GFL010 15+50E	Mp-Am	2012	7/5/2012	MAP	557556.39	5439017.02	11N	
GFL010 15+75E	Mp-Am	2012	7/5/2012	MAP	557580.52	5439023.02	11N	
GFL010 16+00E	Mp-Am	2012	7/5/2012	GPS	557604.64	5439029.02	11N	6
GFL010 16+25E	Mp-Am	2012	7/5/2012	MAP	557628.02	5439029.52	11N	
GFL010 16+50E	Mp-Am	2012	7/5/2012	MAP	557651.39	5439030.02	11N	
GFL010 16+75E	Mp-Am	2012	7/5/2012	MAP	557674.76	5439030.52	11N	
GFL010 17+00E	Mp-Am	2012	7/5/2012	MAP	557698.14	5439031.02	11N	
GFL010 17+25E	Mp-Am	2012	7/5/2012	MAP	557721.51	5439031.52	11N	
GFL010 17+50E	Mp-Am	2012	7/5/2012	MAP	557744.89	5439032.02	11N	
GFL010 17+75E	Mp-Am	2012	7/5/2012	MAP	557768.26	5439032.52	11N	
GFL010 18+00E	Mp-Am	2012	7/5/2012	GPS	557791.64	5439033.02	11N	1
GFL010 18+25E	Mp-Am	2012	7/5/2012	MAP	557814.89	5439036.77	11N	
GFL010 18+50E	Mp-Am	2012	7/5/2012	MAP	557838.14	5439040.52	11N	
GFL010 18+75E	Mp-Am	2012	7/5/2012	MAP	557861.39	5439044.27	11N	
GFL010 19+00E	Mp-Am	2012	7/5/2012	MAP	557884.64	5439048.02	11N	
GFL010 19+25E	Mp-Am	2012	7/5/2012	MAP	557907.89	5439051.77	11N	
GFL010 19+50E	Mp-Am	2012	7/5/2012	MAP	557931.14	5439055.52	11N	
GFL010 19+75E	Mp-Am	2012	7/5/2012	MAP	557954.39	5439059.27	11N	
GFL010 20+00E	Mp-Am	2012	7/5/2012	GPS	557977.64	5439063.02	11N	3
GFL010 20+25E	Mp-Am	2012	7/5/2012	MAP	558002.39	5439067.27	11N	
GFL010 20+50E	Mp-Am	2012	7/5/2012	MAP	558027.14	5439071.52	11N	
GFL010 20+75E	Mp-Am	2012	7/5/2012	MAP	558051.89	5439075.77	11N	
GFL010 21+00E	Mp-Am	2012	7/5/2012	MAP	558076.64	5439080.02	11N	
GFL010 21+25E	Mp-Am	2012	7/5/2012	MAP	558101.39	5439084.27	11N	
GFL010 21+50E	Mp-Am	2012	7/5/2012	MAP	558126.14	5439088.52	11N	
GFL010 21+75E	Mp-Am	2012	7/5/2012	MAP	558150.89	5439092.77	11N	
GFL010 22+00E	Mp-Am	2012	7/5/2012	GPS	558175.64	5439097.02	11N	8
GFL010 22+25E	Mp-Am	2012	7/5/2012	MAP	558197.89	5439095.9	11N	
GFL010 22+50E	Mp-Am	2012	7/5/2012	MAP	558220.14	5439094.77	11N	
GFL010 22+75E	Mp-Am	2012	7/5/2012	MAP	558242.39	5439093.65	11N	
GFL010 23+00E	Mp-Am	2012	7/5/2012	MAP	558264.64	5439092.52	11N	
GFL010 23+25E	Mp-Am	2012	7/5/2012	MAP	558286.89	5439091.4	11N	
GFL010 23+50E	Mp-Am	2012	7/5/2012	MAP	558309.14	5439090.27	11N	
GFL010 23+75E	Mp-Am	2012	7/5/2012	MAP	558331.39	5439089.15	11N	
GFL010 24+00E	Mp-Am	2012	7/5/2012	GPS	558353.64	5439088.02	11N	8
GFL010 24+25E	Mp-Am	2012	7/5/2012	MAP	558377.76	5439092.4	11N	
GFL010 24+50E	Mp-Am	2012	7/5/2012	MAP	558401.89	5439096.77	11N	
GFL010 24+75E	Mp-Am	2012	7/5/2012	MAP	558426.01	5439101.15	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
GFL010 25+00E	Mp-Am	2012	7/5/2012	MAP	558450.14	5439105.52	11N	
GFL010 25+25E	Mp-Am	2012	7/5/2012	MAP	558474.26	5439109.9	11N	
GFL010 25+50E	Mp-Am	2012	7/5/2012	MAP	558498.39	5439114.27	11N	
GFL010 25+75E	Mp-Am	2012	7/5/2012	MAP	558522.51	5439118.65	11N	
GFL010 26+00E	Mp-Am	2012	7/5/2012	GPS	558546.64	5439123.02	11N	12
GFL010 26+25E	Mp-Am	2012	7/5/2012	MAP	558571.01	5439124.9	11N	
GFL010 26+50E	Mp-Am	2012	7/5/2012	MAP	558595.39	5439126.77	11N	
GFL010 26+75E	Mp-Am	2012	7/5/2012	MAP	558619.76	5439128.65	11N	
GFL010 27+00E	Mp-Am	2012	7/5/2012	MAP	558644.14	5439130.52	11N	
GFL010 27+25E	Mp-Am	2012	7/5/2012	MAP	558668.51	5439132.4	11N	
GFL010 27+50E	Mp-Am	2012	7/5/2012	MAP	558692.89	5439134.27	11N	
GFL010 27+75E	Mp-Am	2012	7/5/2012	MAP	558717.26	5439136.15	11N	
GFL010 28+00E	Mp-Am	2012	7/5/2012	GPS	558741.64	5439138.02	11N	13
GFL010 28+25E	Mp-Am	2012	7/6/2012	MAP	558765.14	5439142.4	11N	
GFL010 28+50E	Mp-Am	2012	7/6/2012	MAP	558788.64	5439146.77	11N	
GFL010 28+75E	Mp-Am	2012	7/6/2012	MAP	558812.14	5439151.15	11N	
GFL010 29+00E	Mp-Am	2012	7/6/2012	MAP	558835.64	5439155.52	11N	
GFL010 29+25E	Mp-Am	2012	7/6/2012	MAP	558859.14	5439159.9	11N	
GFL010 29+50E	Mp-Am	2012	7/6/2012	MAP	558882.64	5439164.27	11N	
GFL010 29+75E	Mp-Am	2012	7/6/2012	MAP	558906.14	5439168.65	11N	
GFL010 30+00E	Mp-Am	2012	7/6/2012	GPS	558929.64	5439173.02	11N	7
GFL010 30+25E	Mp-Am	2012	7/6/2012	MAP	558950.01	5439184.65	11N	
GFL010 30+50E	Mp-Am	2012	7/6/2012	MAP	558970.39	5439196.27	11N	
GFL010 30+75E	Mp-Am	2012	7/6/2012	MAP	558990.76	5439207.9	11N	
GFL010 31+00E	Mp-Am	2012	7/6/2012	MAP	559011.14	5439219.52	11N	
GFL010 31+25E	Mp-Am	2012	7/6/2012	MAP	559031.51	5439231.15	11N	
GFL010 31+50E	Mp-Am	2012	7/6/2012	MAP	559051.88	5439242.77	11N	
GFL010 31+75E	Mp-Am	2012	7/6/2012	MAP	559072.26	5439254.4	11N	
GFL010 32+00E	Mp-Am	2012	7/6/2012	GPS	559092.63	5439266.02	11N	6
GFL010 32+25E	Mp-Am	2012	7/6/2012	MAP	559118.01	5439269.52	11N	
GFL010 32+50E	Mp-Am	2012	7/6/2012	MAP	559143.38	5439273.02	11N	
GFL010 32+75E	Mp-Am	2012	7/6/2012	MAP	559168.76	5439276.52	11N	
GFL010 33+00E	Mp-Am	2012	7/6/2012	MAP	559194.13	5439280.02	11N	
GFL010 33+25E	Mp-Am	2012	7/6/2012	MAP	559219.51	5439283.52	11N	
GFL010 33+50E	Mp-Am	2012	7/6/2012	MAP	559244.88	5439287.02	11N	
GFL010 33+75E	Mp-Am	2012	7/6/2012	MAP	559270.26	5439290.52	11N	
GFL010 34+00E	Mp-Am	2012	7/6/2012	GPS	559295.63	5439294.02	11N	3
GFL010 34+25E	Mp-Am	2012	7/6/2012	MAP	559320.01	5439299.27	11N	
GFL010 34+50E	Mp-Am	2012	7/6/2012	MAP	559344.38	5439304.52	11N	
GFL010 34+75E	Mp-Am	2012	7/6/2012	MAP	559368.76	5439309.77	11N	
GFL010 35+00E	Mp-Am	2012	7/6/2012	MAP	559393.13	5439315.02	11N	
GFL010 35+25E	Mp-Am	2012	7/6/2012	MAP	559417.51	5439320.27	11N	
GFL010 35+50E	Mp-Am	2012	7/6/2012	MAP	559441.88	5439325.52	11N	
GFL010 35+75E	Mp-Am	2012	7/6/2012	MAP	559466.26	5439330.77	11N	
GFL010 36+00E	Mp-Am	2012	7/6/2012	GPS	559490.63	5439336.02	11N	11
GFL010 36+25E	Mp-Am	2012	7/6/2012	MAP	559513.51	5439344.02	11N	
GFL010 36+50E	Mp-Am	2012	7/6/2012	MAP	559536.38	5439352.02	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
GFL010 36+75E	Mp-Am	2012	7/6/2012	MAP	559559.26	5439360.02	11N	
GFL010 37+00E	Mp-Am	2012	7/6/2012	MAP	559582.13	5439368.02	11N	
GFL010 37+25E	Mp-Am	2012	7/6/2012	MAP	559605.01	5439376.02	11N	
GFL010 37+50E	Mp-Am	2012	7/6/2012	MAP	559627.88	5439384.02	11N	
GFL010 37+75E	Mp-Am	2012	7/6/2012	MAP	559650.76	5439392.02	11N	
GFL010 38+00E	Mp-Am	2012	7/6/2012	GPS	559673.63	5439400.02	11N	7
GFL010 38+25E	Mp-Am	2012	7/6/2012	MAP	559704.38	5439402.65	11N	
GFL010 38+50E	Mp-Am	2012	7/6/2012	MAP	559735.13	5439405.27	11N	
GFL010 38+75E	Mp-Am	2012	7/6/2012	MAP	559765.88	5439407.9	11N	
GFL010 39+00E	Mp-Am	2012	7/6/2012	MAP	559796.63	5439410.52	11N	
GFL010 39+25E	Mp-Am	2012	7/6/2012	MAP	559827.38	5439413.15	11N	
GFL010 39+50E	Mp-Am	2012	7/6/2012	MAP	559858.13	5439415.77	11N	
GFL010 39+75E	Mp-Am	2012	7/6/2012	MAP	559888.88	5439418.4	11N	
GFL010 40+00E	Mp-Am	2012	7/6/2012	GPS	559919.63	5439421.02	11N	2
GFL010 40+25E	Mp-Am	2012	7/6/2012	MAP	559942.76	5439423.15	11N	
GFL010 40+50E	Mp-Am	2012	7/6/2012	MAP	559965.88	5439425.27	11N	
GFL010 40+75E	Mp-Am	2012	7/7/2012	MAP	559989.01	5439427.4	11N	
GFL010 41+00E	Mp-Am	2012	7/7/2012	MAP	560012.13	5439429.52	11N	
GFL010 41+25E	Mp-Am	2012	7/7/2012	MAP	560035.26	5439431.65	11N	
GFL010 41+50E	Mp-Am	2012	7/7/2012	MAP	560058.38	5439433.77	11N	
GFL010 41+75E	Mp-Am	2012	7/7/2012	MAP	560081.51	5439435.9	11N	
GFL010 42+00E	Mp-Am	2012	7/7/2012	GPS	560104.63	5439438.02	11N	5
GFL010 42+25E	Mp-Am	2012	7/7/2012	MAP	560127.63	5439442.02	11N	
GFL010 42+50E	Mp-Am	2012	7/7/2012	MAP	560150.63	5439446.02	11N	
GFL010 42+75E	Mp-Am	2012	7/7/2012	MAP	560173.63	5439450.02	11N	
GFL010 43+00E	Mp-Am	2012	7/7/2012	MAP	560196.63	5439454.02	11N	
GFL010 43+25E	Mp-Am	2012	7/7/2012	MAP	560219.63	5439458.02	11N	
GFL010 43+50E	Mp-Am	2012	7/7/2012	MAP	560242.63	5439462.02	11N	
GFL010 43+75E	Mp-Cm	2012	7/7/2012	MAP	560265.63	5439466.02	11N	
GFL010 44+00E	Mp-Cm	2012	7/7/2012	GPS	560288.63	5439470.02	11N	12
GFL010 44+25E	Mp-Cm	2012	7/7/2012	MAP	560312.96	5439474.36	11N	
GFL010 44+50E	Mp-Cl	2012	7/7/2012	MAP	560337.3	5439478.69	11N	
GFL010 44+75E	Mp-Cl	2012	7/7/2012	MAP	560361.63	5439483.02	11N	
GFL010 45+00E	Mp-Cl	2012	7/7/2012	MAP	560385.96	5439487.36	11N	
GFL010 45+25E	Mp-Cl	2012	7/7/2012	MAP	560410.3	5439491.69	11N	
GFL010 45+50E	Mp-Cl	2012	7/7/2012	GPS	560434.63	5439496.02	11N	4
GFL011 00+00	Mp-Cl	2012	7/5/2012	GPS	560374.63	5439085.02	11N	15
GFL011 00+25W	Mp-Cl	2012	7/5/2012	MAP	560354.63	5439081.27	11N	
GFL011 00+50W	Mp-Cm	2012	7/5/2012	MAP	560334.63	5439077.52	11N	
GFL011 00+75W	Mp-Cm	2012	7/5/2012	MAP	560314.63	5439073.77	11N	
GFL011 01+00W	Mp-Cm	2012	7/5/2012	MAP	560294.63	5439070.02	11N	
GFL011 01+25W	Mp-Cm	2012	7/5/2012	MAP	560274.63	5439066.27	11N	
GFL011 01+50W	Mp-Cm	2012	7/5/2012	MAP	560254.63	5439062.52	11N	
GFL011 01+75W	Mp-Cm	2012	7/5/2012	MAP	560234.63	5439058.77	11N	
GFL011 02+00W	Mp-Am	2012	7/5/2012	GPS	560214.63	5439055.02	11N	9
GFL011 02+25W	Mp-Am	2012	7/5/2012	MAP	560193.01	5439054.65	11N	
GFL011 02+50W	Mp-Am	2012	7/5/2012	MAP	560171.38	5439054.27	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
GFL011 02+75W	Mp-Am	2012	7/5/2012	MAP	560149.76	5439053.9	11N	
GFL011 03+00W	Mp-Am	2012	7/5/2012	MAP	560128.13	5439053.52	11N	
GFL011 03+25W	Mp-Am	2012	7/5/2012	MAP	560106.51	5439053.15	11N	
GFL011 03+50W	Mp-Am	2012	7/5/2012	MAP	560084.88	5439052.77	11N	
GFL011 03+75W	Mp-Am	2012	7/5/2012	MAP	560063.26	5439052.4	11N	
GFL011 04+00W	Mp-Am	2012	7/5/2012	GPS	560041.63	5439052.02	11N	3
GFL011 04+25W	Mp-Am	2012	7/5/2012	MAP	560019.01	5439048.27	11N	
GFL011 04+50W	Mp-Am	2012	7/5/2012	MAP	559996.38	5439044.52	11N	
GFL011 04+75W	Mp-Am	2012	7/5/2012	MAP	559973.76	5439040.77	11N	
GFL011 05+00W	Mp-Am	2012	7/5/2012	MAP	559951.13	5439037.02	11N	
GFL011 05+25W	Mp-Am	2012	7/5/2012	MAP	559928.51	5439033.27	11N	
GFL011 05+50W	Mp-Am	2012	7/5/2012	MAP	559905.88	5439029.52	11N	
GFL011 05+75W	Mp-Am	2012	7/5/2012	MAP	559883.26	5439025.77	11N	
GFL011 06+00W	Mp-Am	2012	7/5/2012	GPS	559860.63	5439022.02	11N	7
GFL011 06+25W	Mp-Am	2012	7/5/2012	MAP	559837.13	5439017.65	11N	
GFL011 06+50W	Mp-Am	2012	7/5/2012	MAP	559813.63	5439013.27	11N	
GFL011 06+75W	Mp-Am	2012	7/5/2012	MAP	559790.13	5439008.9	11N	
GFL011 07+00W	Mp-Am	2012	7/5/2012	MAP	559766.63	5439004.52	11N	
GFL011 07+25W	Mp-Am	2012	7/5/2012	MAP	559743.13	5439000.15	11N	
GFL011 07+50W	Mp-Am	2012	7/5/2012	MAP	559719.63	5438995.77	11N	
GFL011 07+75W	Mp-Am	2012	7/5/2012	MAP	559696.13	5438991.4	11N	
GFL011 08+00W	Mp-Am	2012	7/5/2012	GPS	559672.63	5438987.02	11N	9
GFL011 08+25W	Mp-Am	2012	7/5/2012	MAP	559647.76	5438984.15	11N	
GFL011 08+50W	Mp-Am	2012	7/5/2012	MAP	559622.88	5438981.27	11N	
GFL011 08+75W	Mp-Am	2012	7/5/2012	MAP	559598.01	5438978.4	11N	
GFL011 09+00W	Mp-Am	2012	7/5/2012	MAP	559573.13	5438975.52	11N	
GFL011 09+25W	Mp-Am	2012	7/5/2012	MAP	559548.26	5438972.65	11N	
GFL011 09+50W	Mp-Am	2012	7/5/2012	MAP	559523.38	5438969.77	11N	
GFL011 09+75W	Mp-Am	2012	7/5/2012	MAP	559498.51	5438966.9	11N	
GFL011 10+00W	Mp-Am	2012	7/5/2012	GPS	559473.63	5438964.02	11N	7
GFL011 10+25W	Mp-Am	2012	7/5/2012	MAP	559449.76	5438961.4	11N	
GFL011 10+50W	Mp-Am	2012	7/5/2012	MAP	559425.88	5438958.77	11N	
GFL011 10+75W	Mp-Am	2012	7/5/2012	MAP	559402.01	5438956.15	11N	
GFL011 11+00W	Mp-Am	2012	7/5/2012	MAP	559378.13	5438953.52	11N	
GFL011 11+25W	Mp-Am	2012	7/5/2012	MAP	559354.26	5438950.9	11N	
GFL011 11+50W	Mp-Am	2012	7/5/2012	MAP	559330.38	5438948.27	11N	
GFL011 11+75W	Mp-Am	2012	7/5/2012	MAP	559306.51	5438945.65	11N	
GFL011 12+00W	Mp-Am	2012	7/5/2012	GPS	559282.63	5438943.02	11N	9
GFL011 12+25W	Mp-Am	2012	7/6/2012	MAP	559258.63	5438936.4	11N	
GFL011 12+50W	Mp-Am	2012	7/6/2012	MAP	559234.63	5438929.77	11N	
GFL011 12+75W	Mp-Am	2012	7/6/2012	MAP	559210.63	5438923.15	11N	
GFL011 13+00W	Mp-Am	2012	7/6/2012	MAP	559186.63	5438916.52	11N	
GFL011 13+25W	Mp-Am	2012	7/6/2012	MAP	559162.63	5438909.9	11N	
GFL011 13+50W	Mp-Am	2012	7/6/2012	MAP	559138.63	5438903.27	11N	
GFL011 13+75W	Mp-Am	2012	7/6/2012	MAP	559114.63	5438896.65	11N	
GFL011 14+00W	Mp-Am	2012	7/6/2012	GPS	559090.63	5438890.02	11N	8
GFL011 14+25W	Mp-Am	2012	7/6/2012	MAP	559066.76	5438884.4	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
GFL011 14+50W	Mp-Am	2012	7/6/2012	MAP	559042.89	5438878.77	11N	
GFL011 14+75W	Mp-Am	2012	7/6/2012	MAP	559019.01	5438873.15	11N	
GFL011 15+00W	Mp-Am	2012	7/6/2012	MAP	558995.14	5438867.52	11N	
GFL011 15+25W	Mp-Am	2012	7/6/2012	MAP	558971.26	5438861.9	11N	
GFL011 15+50W	Mp-Am	2012	7/6/2012	MAP	558947.39	5438856.27	11N	
GFL011 15+75W	Mp-Am	2012	7/6/2012	MAP	558923.51	5438850.65	11N	
GFL011 16+00W	Mp-Am	2012	7/6/2012	GPS	558899.64	5438845.02	11N	6
GFL011 16+25W	Mp-Am	2012	7/6/2012	MAP	558876.14	5438836.9	11N	
GFL011 16+50W	Mp-Am	2012	7/6/2012	MAP	558852.64	5438828.77	11N	
GFL011 16+75W	Mp-Am	2012	7/6/2012	MAP	558829.14	5438820.65	11N	
GFL011 17+00W	Mp-Am	2012	7/6/2012	MAP	558805.64	5438812.52	11N	
GFL011 17+25W	Mp-Am	2012	7/6/2012	MAP	558782.14	5438804.4	11N	
GFL011 17+50W	Mp-Am	2012	7/6/2012	MAP	558758.64	5438796.27	11N	
GFL011 17+75W	Mp-Am	2012	7/6/2012	MAP	558735.14	5438788.15	11N	
GFL011 18+00W	Mp-Am	2012	7/6/2012	GPS	558711.64	5438780.02	11N	5
GFL011 18+25W	Mp-Am	2012	7/6/2012	MAP	558688.51	5438772.4	11N	
GFL011 18+50W	Mp-Am	2012	7/6/2012	MAP	558665.39	5438764.77	11N	
GFL011 18+75W	Mp-Am	2012	7/6/2012	MAP	558642.26	5438757.15	11N	
GFL011 19+00W	Mp-Am	2012	7/6/2012	MAP	558619.14	5438749.52	11N	
GFL011 19+25W	Mp-Am	2012	7/6/2012	MAP	558596.01	5438741.9	11N	
GFL011 19+50W	Mp-Am	2012	7/6/2012	MAP	558572.89	5438734.27	11N	
GFL011 19+75W	Mp-Am	2012	7/6/2012	MAP	558549.76	5438726.65	11N	
GFL011 20+00W	Mp-Am	2012	7/6/2012	GPS	558526.64	5438719.02	11N	7
GFL011 20+25W	Mp-Am	2012	7/6/2012	MAP	558502.64	5438712.9	11N	
GFL011 20+50W	Mp-Am	2012	7/6/2012	MAP	558478.64	5438706.77	11N	
GFL011 20+75W	Mp-Am	2012	7/6/2012	MAP	558454.64	5438700.65	11N	
GFL011 21+00W	Mp-Am	2012	7/6/2012	MAP	558430.64	5438694.52	11N	
GFL011 21+25W	Mp-Am	2012	7/6/2012	MAP	558406.64	5438688.4	11N	
GFL011 21+50W	Mp-Am	2012	7/6/2012	MAP	558382.64	5438682.27	11N	
GFL011 21+75W	Mp-Am	2012	7/6/2012	MAP	558358.64	5438676.15	11N	
GFL011 22+00W	Mp-Am	2012	7/6/2012	GPS	558334.64	5438670.02	11N	8
GFL011 22+25W	Mp-Am	2012	7/6/2012	MAP	558312.39	5438667.02	11N	
GFL011 22+50W	Mp-Am	2012	7/6/2012	MAP	558290.14	5438664.02	11N	
GFL011 22+75W	Mp-Am	2012	7/6/2012	MAP	558267.89	5438661.02	11N	
GFL011 23+00W	Mp-Am	2012	7/6/2012	MAP	558245.64	5438658.02	11N	
GFL011 23+25W	Mp-Am	2012	7/6/2012	MAP	558223.39	5438655.02	11N	
GFL011 23+50W	Mp-Am	2012	7/6/2012	MAP	558201.14	5438652.02	11N	
GFL011 23+75W	Mp-Am	2012	7/6/2012	MAP	558178.89	5438649.02	11N	
GFL011 24+00W	Mp-Am	2012	7/6/2012	GPS	558156.64	5438646.02	11N	9
GFL011 24+25W	Mp-Am	2012	7/6/2012	MAP	558131.26	5438640.02	11N	
GFL011 24+50W	Mp-Am	2012	7/6/2012	MAP	558105.89	5438634.02	11N	
GFL011 24+75W	Mp-Am	2012	7/6/2012	MAP	558080.51	5438628.02	11N	
GFL011 25+00W	Mp-Am	2012	7/6/2012	MAP	558055.14	5438622.02	11N	
GFL011 25+25W	Mp-Am	2012	7/6/2012	MAP	558029.76	5438616.02	11N	
GFL011 25+50W	Mp-Am	2012	7/6/2012	MAP	558004.39	5438610.02	11N	
GFL011 25+75W	Mp-Am	2012	7/6/2012	MAP	557979.01	5438604.02	11N	
GFL011 26+00W	Mp-Am	2012	7/6/2012	GPS	557953.64	5438598.02	11N	7

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
GFL011 26+25W	Mp-Am	2012	7/7/2012	MAP	557930.64	5438597.15	11N	
GFL011 26+50W	Mp-Am	2012	7/7/2012	MAP	557907.64	5438596.27	11N	
GFL011 26+75W	Mp-Am	2012	7/7/2012	MAP	557884.64	5438595.4	11N	
GFL011 27+00W	Mp-Am	2012	7/7/2012	MAP	557861.64	5438594.52	11N	
GFL011 27+25W	Mp-Am	2012	7/7/2012	MAP	557838.64	5438593.65	11N	
GFL011 27+50W	Mp-Am	2012	7/7/2012	MAP	557815.64	5438592.77	11N	
GFL011 27+75W	Mp-Am	2012	7/7/2012	MAP	557792.64	5438591.9	11N	
GFL011 28+00W	Mp-Am	2012	7/7/2012	GPS	557769.64	5438591.02	11N	8
GFL011 28+25W	Mp-Am	2012	7/7/2012	MAP	557743.39	5438586.77	11N	
GFL011 28+50W	Mp-Am	2012	7/7/2012	MAP	557717.14	5438582.52	11N	
GFL011 28+75W	Mp-Am	2012	7/7/2012	MAP	557690.89	5438578.27	11N	
GFL011 29+00W	Mp-Am	2012	7/7/2012	MAP	557664.64	5438574.02	11N	
GFL011 29+25W	Mp-Am	2012	7/7/2012	MAP	557638.39	5438569.77	11N	
GFL011 29+50W	Mp-Am	2012	7/7/2012	MAP	557612.14	5438565.52	11N	
GFL011 29+75W	Mp-Am	2012	7/7/2012	MAP	557585.89	5438561.27	11N	
GFL011 30+00W	Mp-Am	2012	7/7/2012	GPS	557559.64	5438557.02	11N	8
GFL011 30+25W	Mp-Am	2012	7/7/2012	MAP	557538.02	5438553.4	11N	
GFL011 30+50W	Mp-Am	2012	7/7/2012	MAP	557516.39	5438549.77	11N	
GFL011 30+75W	Mp-Am	2012	7/7/2012	MAP	557494.77	5438546.15	11N	
GFL011 31+00W	Mp-Am	2012	7/7/2012	MAP	557473.14	5438542.52	11N	
GFL011 31+25W	Mp-Am	2012	7/7/2012	MAP	557451.52	5438538.9	11N	
GFL011 31+50W	Mp-Am	2012	7/7/2012	MAP	557429.89	5438535.27	11N	
GFL011 31+75W	Mp-Am	2012	7/7/2012	MAP	557408.27	5438531.65	11N	
GFL011 32+00W	Mp-Am	2012	7/7/2012	GPS	557386.64	5438528.02	11N	6
GFL011 32+25W	Mp-Am	2012	7/7/2012	MAP	557364.52	5438525.02	11N	
GFL011 32+50W	Mp-Am	2012	7/7/2012	MAP	557342.39	5438522.02	11N	
GFL011 32+75W	Mp-Am	2012	7/7/2012	MAP	557320.27	5438519.02	11N	
GFL011 33+00W	Mp-Am	2012	7/7/2012	MAP	557298.14	5438516.02	11N	
GFL011 33+25W	Mp-Am	2012	7/7/2012	MAP	557276.02	5438513.02	11N	
GFL011 33+50W	Mp-Am	2012	7/7/2012	MAP	557253.89	5438510.02	11N	
GFL011 33+75W	Mp-Am	2012	7/7/2012	MAP	557231.77	5438507.02	11N	
GFL011 34+00W	Mp-Am	2012	7/7/2012	GPS	557209.64	5438504.02	11N	5
GFL011 34+25W	Mp-Am	2012	7/7/2012	MAP	557184.02	5438499.52	11N	
GFL011 34+50W	Mp-Am	2012	7/7/2012	MAP	557158.39	5438495.02	11N	
GFL011 34+75W	Mp-Am	2012	7/7/2012	MAP	557132.77	5438490.52	11N	
GFL011 35+00W	Mp-Am	2012	7/7/2012	MAP	557107.14	5438486.02	11N	
GFL011 35+25W	Mp-Am	2012	7/7/2012	MAP	557081.52	5438481.52	11N	
GFL011 35+50W	Mp-Am	2012	7/7/2012	MAP	557055.89	5438477.02	11N	
GFL011 35+75W	Mp-Am	2012	7/7/2012	MAP	557030.27	5438472.52	11N	
GFL011 36+00W	Mp-Am	2012	7/7/2012	GPS	557004.64	5438468.02	11N	7
GFL011 36+25W	Mp-Am	2012	7/7/2012	MAP	556982.14	5438463.52	11N	
GFL011 36+50W	Mp-Am	2012	7/7/2012	MAP	556959.64	5438459.02	11N	
GFL011 36+75W	Mp-Am	2012	7/7/2012	MAP	556937.14	5438454.52	11N	
GFL011 37+00W	Mp-Am	2012	7/7/2012	MAP	556914.64	5438450.02	11N	
GFL011 37+25W	Mp-Am	2012	7/7/2012	MAP	556892.14	5438445.52	11N	
GFL011 37+50W	Mp-Am	2012	7/7/2012	MAP	556869.64	5438441.02	11N	
GFL011 37+75W	Mp-Am	2012	7/7/2012	MAP	556847.14	5438436.52	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
GFL011 38+00W	Mp-Am	2012	7/7/2012	GPS	556824.64	5438432.02	11N	1
GFL011 38+25W	Mp-Am	2012	7/7/2012	MAP	556798.52	5438428.77	11N	
GFL011 38+50W	Mp-Am	2012	7/7/2012	MAP	556772.39	5438425.52	11N	
GFL011 38+75W	Mp-Am	2012	7/7/2012	MAP	556746.27	5438422.27	11N	
GFL011 39+00W	Mp-Am	2012	7/7/2012	MAP	556720.14	5438419.02	11N	
GFL011 39+25W	Mp-Am	2012	7/7/2012	MAP	556694.02	5438415.77	11N	
GFL011 39+50W	Mp-Am	2012	7/7/2012	MAP	556667.89	5438412.52	11N	
GFL011 39+75W	Mp-Am	2012	7/7/2012	MAP	556641.77	5438409.27	11N	
GFL011 40+00W	Mp-Am	2012	7/7/2012	GPS	556615.64	5438406.02	11N	9
GFL011 40+25W	Mp-Am	2012	7/7/2012	MAP	556593.77	5438405.27	11N	
GFL011 40+50W	Mp-Am	2012	7/7/2012	MAP	556571.89	5438404.52	11N	
GFL011 40+75W	Mp-Am	2012	7/7/2012	MAP	556550.02	5438403.77	11N	
GFL011 41+00W	Mp-Am	2012	7/7/2012	MAP	556528.14	5438403.02	11N	
GFL011 41+25W	Mp-Am	2012	7/7/2012	MAP	556506.27	5438402.27	11N	
GFL011 41+50W	Mp-Am	2012	7/7/2012	MAP	556484.39	5438401.52	11N	
GFL011 41+75W	Mp-Am	2012	7/7/2012	MAP	556462.52	5438400.77	11N	
GFL011 42+00W	Mp-Am	2012	7/7/2012	GPS	556440.64	5438400.02	11N	9
GFL011 42+25W	Mp-Am	2012	7/8/2012	MAP	556414.89	5438393.9	11N	
GFL011 42+50W	Mp-Am	2012	7/8/2012	MAP	556389.14	5438387.77	11N	
GFL011 42+75W	Mp-Am	2012	7/8/2012	MAP	556363.39	5438381.65	11N	
GFL011 43+00W	Mp-Am	2012	7/8/2012	MAP	556337.64	5438375.52	11N	
GFL011 43+25W	Mp-Am	2012	7/8/2012	MAP	556311.89	5438369.4	11N	
GFL011 43+50W	Mp-Am	2012	7/8/2012	MAP	556286.14	5438363.27	11N	
GFL011 43+75W	Mp-Am	2012	7/8/2012	MAP	556260.39	5438357.15	11N	
GFL011 44+00W	Mp-Am	2012	7/8/2012	GPS	556234.64	5438351.02	11N	8
GFL011 44+25W	Mp-Am	2012	7/8/2012	MAP	556210.02	5438347.9	11N	
GFL011 44+50W	Mp-Am	2012	7/8/2012	MAP	556185.4	5438344.77	11N	
GFL011 44+75W	Mp-Am	2012	7/8/2012	MAP	556160.77	5438341.65	11N	
GFL011 45+00W	Mp-Am	2012	7/8/2012	MAP	556136.15	5438338.52	11N	
GFL011 45+25W	Mp-Am	2012	7/8/2012	MAP	556111.52	5438335.4	11N	
GFL011 45+50W	Mp-Am	2012	7/8/2012	MAP	556086.9	5438332.27	11N	
GFL011 45+75W	Mp-Am	2012	7/8/2012	MAP	556062.27	5438329.15	11N	
GFL011 46+00W	Mp-Am	2012	7/8/2012	GPS	556037.65	5438326.02	11N	8
GFL012 00+00	Mp-Am	2012	7/7/2012	GPS	556048.65	5437912.02	11N	3
GFL012 00+25E	Mp-Am	2012	7/7/2012	MAP	556074.52	5437914.27	11N	
GFL012 00+50E	Mp-Am	2012	7/7/2012	MAP	556100.4	5437916.52	11N	
GFL012 00+75E	Mp-Am	2012	7/7/2012	MAP	556126.27	5437918.77	11N	
GFL012 01+00E	Mp-Am	2012	7/7/2012	MAP	556152.15	5437921.02	11N	
GFL012 01+25E	Mp-Am	2012	7/7/2012	MAP	556178.02	5437923.27	11N	
GFL012 01+50E	Mp-Am	2012	7/7/2012	MAP	556203.9	5437925.52	11N	
GFL012 01+75E	Mp-Am	2012	7/7/2012	MAP	556229.77	5437927.77	11N	
GFL012 02+00E	Mp-Am	2012	7/7/2012	GPS	556255.64	5437930.02	11N	
GFL012 02+25E	Mp-Am	2012	7/7/2012	MAP	556280.14	5437931.65	11N	
GFL012 02+50E	Mp-Am	2012	7/7/2012	MAP	556304.64	5437933.27	11N	
GFL012 02+75E	Mp-Am	2012	7/7/2012	MAP	556329.14	5437934.9	11N	
GFL012 03+00E	Mp-Am	2012	7/7/2012	MAP	556353.64	5437936.52	11N	
GFL012 03+25E	Mp-Am	2012	7/7/2012	MAP	556378.14	5437938.15	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
GFL012 03+50E	Mp-Am	2012	7/7/2012	MAP	556402.64	5437939.77	11N	
GFL012 03+75E	Mp-Am	2012	7/7/2012	MAP	556427.14	5437941.4	11N	
GFL012 04+00E	Mp-Am	2012	7/7/2012	GPS	556451.64	5437943.02	11N	9
GFL012 04+25E	Mp-Am	2012	7/7/2012	MAP	556475.14	5437947.15	11N	
GFL012 04+50E	Mp-Am	2012	7/7/2012	MAP	556498.64	5437951.27	11N	
GFL012 04+75E	Mp-Am	2012	7/7/2012	MAP	556522.14	5437955.4	11N	
GFL012 05+00E	Mp-Am	2012	7/7/2012	MAP	556545.64	5437959.52	11N	
GFL012 05+25E	Mp-Am	2012	7/7/2012	MAP	556569.14	5437963.65	11N	
GFL012 05+50E	Mp-Am	2012	7/7/2012	MAP	556592.64	5437967.77	11N	
GFL012 05+75E	Mp-Am	2012	7/7/2012	MAP	556616.14	5437971.9	11N	
GFL012 06+00E	Mp-Am	2012	7/7/2012	GPS	556639.64	5437976.02	11N	11
GFL012 06+25E	Mp-Am	2012	7/8/2012	MAP	556662.89	5437981.4	11N	
GFL012 06+50E	Mp-Am	2012	7/8/2012	MAP	556686.14	5437986.77	11N	
GFL012 06+75E	Mp-Am	2012	7/8/2012	MAP	556709.39	5437992.15	11N	
GFL012 07+00E	Mp-Am	2012	7/8/2012	MAP	556732.64	5437997.52	11N	
GFL012 07+25E	Mp-Am	2012	7/8/2012	MAP	556755.89	5438002.9	11N	
GFL012 07+50E	Mp-Am	2012	7/8/2012	MAP	556779.14	5438008.27	11N	
GFL012 07+75E	Mp-Am	2012	7/8/2012	MAP	556802.39	5438013.65	11N	
GFL012 08+00E	Mp-Am	2012	7/8/2012	GPS	556825.64	5438019.02	11N	12
GFL012 08+25E	Mp-Am	2012	7/8/2012	MAP	556847.64	5438023.15	11N	
GFL012 08+50E	Mp-Am	2012	7/8/2012	MAP	556869.64	5438027.27	11N	
GFL012 08+75E	Mp-Am	2012	7/8/2012	MAP	556891.64	5438031.4	11N	
GFL012 09+00E	Mp-Am	2012	7/8/2012	MAP	556913.64	5438035.52	11N	
GFL012 09+25E	Mp-Am	2012	7/8/2012	MAP	556935.64	5438039.65	11N	
GFL012 09+50E	Mp-Am	2012	7/8/2012	MAP	556957.64	5438043.77	11N	
GFL012 09+75E	Mp-Am	2012	7/8/2012	MAP	556979.64	5438047.9	11N	
GFL012 10+00E	Mp-Am	2012	7/8/2012	GPS	557001.64	5438052.02	11N	4
GFL012 10+25E	Mp-Am	2012	7/8/2012	MAP	557024.77	5438057.52	11N	
GFL012 10+50E	Mp-Am	2012	7/8/2012	MAP	557047.89	5438063.02	11N	
GFL012 10+75E	Mp-Am	2012	7/8/2012	MAP	557071.02	5438068.52	11N	
GFL012 11+00E	Mp-Am	2012	7/8/2012	MAP	557094.14	5438074.02	11N	
GFL012 11+25E	Mp-Am	2012	7/8/2012	MAP	557117.27	5438079.52	11N	
GFL012 11+50E	Mp-Am	2012	7/8/2012	MAP	557140.39	5438085.02	11N	
GFL012 11+75E	Mp-Am	2012	7/8/2012	MAP	557163.52	5438090.52	11N	
GFL012 12+00E	Mp-Am	2012	7/8/2012	GPS	557186.64	5438096.02	11N	23
GFL012 12+25E	Mp-Am	2012	7/8/2012	MAP	557211.02	5438101.4	11N	
GFL012 12+50E	Mp-Am	2012	7/8/2012	MAP	557235.39	5438106.77	11N	
GFL012 12+75E	Mp-Am	2012	7/8/2012	MAP	557259.77	5438112.15	11N	
GFL012 13+00E	Mp-Am	2012	7/8/2012	MAP	557284.14	5438117.52	11N	
GFL012 13+25E	Mp-Am	2012	7/8/2012	MAP	557308.52	5438122.9	11N	
GFL012 13+50E	Mp-Am	2012	7/8/2012	MAP	557332.89	5438128.27	11N	
GFL012 13+75E	Mp-Am	2012	7/8/2012	MAP	557357.27	5438133.65	11N	
GFL012 14+00E	Mp-Am	2012	7/8/2012	GPS	557381.64	5438139.02	11N	3
GFL012 14+25E	Mp-Am	2012	7/8/2012	MAP	557403.89	5438140.65	11N	
GFL012 14+50E	Mp-Am	2012	7/8/2012	MAP	557426.14	5438142.27	11N	
GFL012 14+75E	Mp-Am	2012	7/8/2012	MAP	557448.39	5438143.9	11N	
GFL012 15+00E	Mp-Am	2012	7/8/2012	MAP	557470.64	5438145.52	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
GFL012 15+25E	Mp-Am	2012	7/8/2012	MAP	557492.89	5438147.15	11N	
GFL012 15+50E	Mp-Am	2012	7/8/2012	MAP	557515.14	5438148.77	11N	
GFL012 15+75E	Mp-Am	2012	7/8/2012	MAP	557537.39	5438150.4	11N	
GFL012 16+00E	Mp-Am	2012	7/8/2012	GPS	557559.64	5438152.02	11N	2
GFL012 16+25E	Mp-Am	2012	7/8/2012	MAP	557581.27	5438163.27	11N	
GFL012 16+50E	Mp-Am	2012	7/8/2012	MAP	557602.89	5438174.52	11N	
GFL012 16+75E	Mp-Am	2012	7/8/2012	MAP	557624.52	5438185.77	11N	
GFL012 17+00E	Mp-Am	2012	7/8/2012	MAP	557646.14	5438197.02	11N	
GFL012 17+25E	Mp-Am	2012	7/9/2012	MAP	557667.76	5438208.27	11N	
GFL012 17+50E	Mp-Am	2012	7/9/2012	MAP	557689.39	5438219.52	11N	
GFL012 17+75E	Mp-Am	2012	7/9/2012	MAP	557711.01	5438230.77	11N	
GFL012 18+00E	Mp-Am	2012	7/9/2012	GPS	557732.64	5438242.02	11N	12
GFL012 18+25E	Mp-Am	2012	7/9/2012	MAP	557751.76	5438245.52	11N	
GFL012 18+50E	Mp-Am	2012	7/9/2012	MAP	557770.89	5438249.02	11N	
GFL012 18+75E	Mp-Am	2012	7/9/2012	MAP	557790.01	5438252.52	11N	
GFL012 19+00E	Mp-Am	2012	7/9/2012	MAP	557809.14	5438256.02	11N	
GFL012 19+25E	Mp-Am	2012	7/9/2012	MAP	557828.26	5438259.52	11N	
GFL012 19+50E	Mp-Am	2012	7/9/2012	MAP	557847.39	5438263.02	11N	
GFL012 19+75E	Mp-Am	2012	7/9/2012	MAP	557866.51	5438266.52	11N	
GFL012 20+00E	Mp-Am	2012	7/9/2012	GPS	557885.64	5438270.02	11N	9
GFL012 20+25E	Mp-Am	2012	7/9/2012	MAP	557910.01	5438270.4	11N	
GFL012 20+50E	Mp-Am	2012	7/9/2012	MAP	557934.39	5438270.77	11N	
GFL012 20+75E	Mp-Am	2012	7/9/2012	MAP	557958.76	5438271.15	11N	
GFL012 21+00E	Mp-Am	2012	7/9/2012	MAP	557983.14	5438271.52	11N	
GFL012 21+25E	Mp-Am	2012	7/9/2012	MAP	558007.51	5438271.9	11N	
GFL012 21+50E	Mp-Am	2012	7/9/2012	MAP	558031.89	5438272.27	11N	
GFL012 21+75E	Mp-Am	2012	7/9/2012	MAP	558056.26	5438272.65	11N	
GFL012 22+00E	Mp-Am	2012	7/9/2012	GPS	558080.64	5438273.02	11N	6
GFL012 22+25E	Mp-Am	2012	7/9/2012	MAP	558101.64	5438280.4	11N	
GFL012 22+50E	Mp-Am	2012	7/9/2012	MAP	558122.64	5438287.77	11N	
GFL012 22+75E	Mp-Am	2012	7/9/2012	MAP	558143.64	5438295.15	11N	
GFL012 23+00E	Mp-Am	2012	7/9/2012	MAP	558164.64	5438302.52	11N	
GFL012 23+25E	Mp-Am	2012	7/9/2012	GPS	558185.64	5438309.9	11N	
GFL012 23+50E	Mp-Am	2012	7/9/2012	MAP	558206.64	5438317.27	11N	
GFL012 23+75E	Mp-Am	2012	7/9/2012	LS	558227.64	5438324.65	11N	
GFL012 24+00E	Mp-Am	2012	7/9/2012	GPS	558248.64	5438332.02	11N	21
GFL012 24+25E	Mp-Am	2012	7/9/2012	GPS	558272.26	5438335.15	11N	
GFL012 24+50E	Mp-Am	2012	7/9/2012	MAP	558295.89	5438338.27	11N	
GFL012 24+75E	Mp-Am	2012	7/9/2012	LS	558319.51	5438341.4	11N	
GFL012 25+00E	Mp-Am	2012	7/9/2012	MAP	558343.14	5438344.52	11N	
GFL012 25+25E	Mp-Am	2012	7/9/2012	MAP	558366.76	5438347.65	11N	
GFL012 25+50E	Mp-Am	2012	7/9/2012	LS	558390.39	5438350.77	11N	
GFL012 25+75E	Mp-Am	2012	7/9/2012	MAP	558414.01	5438353.9	11N	
GFL012 26+00E	Mp-Am	2012	7/9/2012	GPS	558437.64	5438357.02	11N	9
GFL012 26+25E	Mp-Am	2012	7/9/2012	MAP	558461.14	5438360.27	11N	
GFL012 26+50E	Mp-Am	2012	7/9/2012	MAP	558484.64	5438363.52	11N	
GFL012 26+75E	Mp-Am	2012	7/9/2012	MAP	558508.14	5438366.77	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
GFL012 27+00E	Mp-Am	2012	7/9/2012	MAP	558531.64	5438370.02	11N	
GFL012 27+25E	Mp-Am	2012	7/10/2012	MAP	558555.14	5438373.27	11N	
GFL012 27+50E	Mp-Am	2012	7/10/2012	MAP	558578.64	5438376.52	11N	
GFL012 27+75E	Mp-Am	2012	7/10/2012	MAP	558602.14	5438379.77	11N	
GFL012 28+00E	Mp-Am	2012	7/10/2012	GPS	558625.64	5438383.02	11N	13
GFL012 28+25E	Mp-Am	2012	7/10/2012	MAP	558649.14	5438390.02	11N	
GFL012 28+50E	Mp-Am	2012	7/10/2012	MAP	558672.64	5438397.02	11N	
GFL012 28+75E	Mp-Am	2012	7/10/2012	MAP	558696.14	5438404.02	11N	
GFL012 29+00E	Mp-Am	2012	7/10/2012	MAP	558719.64	5438411.02	11N	
GFL012 29+25E	Mp-Am	2012	7/10/2012	MAP	558743.14	5438418.02	11N	
GFL012 29+50E	Mp-Am	2012	7/10/2012	MAP	558766.64	5438425.02	11N	
GFL012 29+75E	Mp-Am	2012	7/10/2012	MAP	558790.14	5438432.02	11N	
GFL012 30+00E	Mp-Am	2012	7/10/2012	GPS	558813.64	5438439.02	11N	16
GFL012 30+25E	Mp-Am	2012	7/10/2012	MAP	558837.64	5438440.77	11N	
GFL012 30+50E	Mp-Am	2012	7/10/2012	MAP	558861.64	5438442.52	11N	
GFL012 30+75E	Mp-Am	2012	7/10/2012	MAP	558885.64	5438444.27	11N	
GFL012 31+00E	Mp-Am	2012	7/10/2012	MAP	558909.64	5438446.02	11N	
GFL012 31+25E	Mp-Am	2012	7/10/2012	MAP	558933.64	5438447.77	11N	
GFL012 31+50E	Mp-Am	2012	7/10/2012	MAP	558957.64	5438449.52	11N	
GFL012 31+75E	Mp-Am	2012	7/10/2012	MAP	558981.64	5438451.27	11N	
GFL012 32+00E	Mp-Am	2012	7/10/2012	GPS	559005.64	5438453.02	11N	18
GFL012 32+25E	Mp-Am	2012	7/10/2012	MAP	559027.01	5438454.9	11N	
GFL012 32+50E	Mp-Am	2012	7/10/2012	MAP	559048.39	5438456.77	11N	
GFL012 32+75E	Mp-Am	2012	7/10/2012	MAP	559069.76	5438458.65	11N	
GFL012 33+00E	Mp-Am	2012	7/10/2012	MAP	559091.13	5438460.52	11N	
GFL012 33+25E	Mp-Am	2012	7/10/2012	MAP	559112.51	5438462.4	11N	
GFL012 33+50E	Mp-Am	2012	7/10/2012	MAP	559133.88	5438464.27	11N	
GFL012 33+75E	Mp-Am	2012	7/10/2012	MAP	559155.26	5438466.15	11N	
GFL012 34+00E	Mp-Am	2012	7/10/2012	GPS	559176.63	5438468.02	11N	7
GFL012 34+25E	Mp-Am	2012	7/10/2012	MAP	559198.63	5438476.02	11N	
GFL012 34+50E	Mp-Am	2012	7/10/2012	MAP	559220.63	5438484.02	11N	
GFL012 34+75E	Mp-Am	2012	7/10/2012	MAP	559242.63	5438492.02	11N	
GFL012 35+00E	Mp-Am	2012	7/10/2012	MAP	559264.63	5438500.02	11N	
GFL012 35+25E	Mp-Am	2012	7/10/2012	MAP	559286.63	5438508.02	11N	
GFL012 35+50E	Mp-Am	2012	7/10/2012	MAP	559308.63	5438516.02	11N	
GFL012 35+75E	Mp-Am	2012	7/10/2012	MAP	559330.63	5438524.02	11N	
GFL012 36+00E	Mp-Am	2012	7/10/2012	GPS	559352.63	5438532.02	11N	14
GFL012 36+25E	Mp-Am	2012	7/10/2012	MAP	559378.38	5438532.15	11N	
GFL012 36+50E	Mp-Am	2012	7/10/2012	MAP	559404.13	5438532.27	11N	
GFL012 36+75E	Mp-Am	2012	7/10/2012	MAP	559429.88	5438532.4	11N	
GFL012 37+00E	Mp-Am	2012	7/11/2012	MAP	559455.63	5438532.52	11N	
GFL012 37+25E	Mp-Am	2012	7/11/2012	MAP	559481.38	5438532.65	11N	
GFL012 37+50E	Mp-Am	2012	7/11/2012	MAP	559507.13	5438532.77	11N	
GFL012 37+75E	Mp-Am	2012	7/11/2012	MAP	559532.88	5438532.9	11N	
GFL012 38+00E	Mp-Am	2012	7/11/2012	GPS	559558.63	5438533.02	11N	23
GFL012 38+25E	Mp-Am	2012	7/11/2012	MAP	559581.01	5438539.65	11N	
GFL012 38+50E	Mp-Am	2012	7/11/2012	MAP	559603.38	5438546.27	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
GFL012 38+75E	Mp-Am	2012	7/11/2012	MAP	559625.76	5438552.9	11N	
GFL012 39+00E	Mp-Am	2012	7/11/2012	MAP	559648.13	5438559.52	11N	
GFL012 39+25E	Mp-Am	2012	7/11/2012	MAP	559670.51	5438566.15	11N	
GFL012 39+50E	Mp-Am	2012	7/11/2012	MAP	559692.88	5438572.77	11N	
GFL012 39+75E	Mp-Am	2012	7/11/2012	MAP	559715.26	5438579.4	11N	
GFL012 40+00E	Mp-Am	2012	7/11/2012	GPS	559737.63	5438586.02	11N	19
GFL012 40+25E	Mp-Am	2012	7/11/2012	MAP	559764.51	5438589.4	11N	
GFL012 40+50E	Mp-Am	2012	7/11/2012	MAP	559791.38	5438592.77	11N	
GFL012 40+75E	Mp-Am	2012	7/11/2012	MAP	559818.26	5438596.15	11N	
GFL012 41+00E	Mp-Am	2012	7/11/2012	MAP	559845.13	5438599.52	11N	
GFL012 41+25E	Mp-Am	2012	7/11/2012	MAP	559872.01	5438602.9	11N	
GFL012 41+50E	Mp-Am	2012	7/11/2012	MAP	559898.88	5438606.27	11N	
GFL012 41+75E	Mp-Am	2012	7/11/2012	MAP	559925.76	5438609.65	11N	
GFL012 42+00E	Mp-Am	2012	7/11/2012	GPS	559952.63	5438613.02	11N	13
GFL012 42+25E	Mp-Am	2012	7/11/2012	MAP	559977.26	5438616.02	11N	
GFL012 42+50E	Mp-Am	2012	7/11/2012	MAP	560001.88	5438619.02	11N	
GFL012 42+75E	Mp-Am	2012	7/11/2012	LS	560026.51	5438622.02	11N	
GFL012 43+00E	Mp-Am	2012	7/11/2012	MAP	560051.13	5438625.02	11N	
GFL012 43+25E	Mp-Am	2012	7/11/2012	MAP	560075.76	5438628.02	11N	
GFL012 43+50E	Mp-Am	2012	7/11/2012	MAP	560100.38	5438631.02	11N	
GFL012 43+75E	Mp-Am	2012	7/11/2012	MAP	560125.01	5438634.02	11N	
GFL012 44+00E	Mp-Am	2012	7/11/2012	GPS	560149.63	5438637.02	11N	16
GFL012 44+25E	Mp-Am	2012	7/11/2012	MAP	560170.13	5438643.52	11N	
GFL012 44+50E	Mp-Cm	2012	7/11/2012	MAP	560190.63	5438650.02	11N	
GFL012 44+75E	Mp-Cm	2012	7/11/2012	MAP	560211.13	5438656.52	11N	
GFL012 45+00E	Mp-Cm	2012	7/11/2012	MAP	560231.63	5438663.02	11N	
GFL012 45+25E	Mp-Cm	2012	7/11/2012	MAP	560252.13	5438669.52	11N	
GFL012 45+50E	Mp-Cm	2012	7/11/2012	MAP	560272.63	5438676.02	11N	
GFL012 45+75E	Mp-Cm	2012	7/11/2012	MAP	560293.13	5438682.52	11N	
GFL012 46+00E	Mp-Cm	2012	7/11/2012	GPS	560313.63	5438689.02	11N	12
GFL013 00+00	Mp-Am	2012	7/8/2012	GPS	556212.65	5437521.02	11N	5
GFL013 00+25E	Mp-Am	2012	7/8/2012	MAP	556226.52	5437525.4	11N	
GFL013 00+50E	Mp-Am	2012	7/8/2012	MAP	556240.4	5437529.77	11N	
GFL013 00+75E	Mp-Am	2012	7/8/2012	MAP	556254.27	5437534.15	11N	
GFL013 01+00E	Mp-Am	2012	7/8/2012	MAP	556268.14	5437538.52	11N	
GFL013 01+25E	Mp-Am	2012	7/8/2012	MAP	556282.02	5437542.9	11N	
GFL013 01+50E	Mp-Am	2012	7/8/2012	MAP	556295.89	5437547.27	11N	
GFL013 01+75E	Mp-Am	2012	7/8/2012	MAP	556309.77	5437551.65	11N	
GFL013 02+00E	Mp-Am	2012	7/8/2012	GPS	556323.64	5437556.02	11N	5
GFL013 02+25E	Mp-Am	2012	7/8/2012	MAP	556347.77	5437558.9	11N	
GFL013 02+50E	Mp-Am	2012	7/8/2012	MAP	556371.89	5437561.77	11N	
GFL013 02+75E	Mp-Am	2012	7/8/2012	MAP	556396.02	5437564.65	11N	
GFL013 03+00E	Mp-Am	2012	7/8/2012	MAP	556420.14	5437567.52	11N	
GFL013 03+25E	Mp-Am	2012	7/8/2012	MAP	556444.27	5437570.4	11N	
GFL013 03+50E	Mp-Am	2012	7/8/2012	MAP	556468.39	5437573.27	11N	
GFL013 03+75E	Mp-Am	2012	7/8/2012	MAP	556492.52	5437576.15	11N	
GFL013 04+00E	Mp-Am	2012	7/8/2012	GPS	556516.64	5437579.02	11N	5

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
GFL013 04+25E	Mp-Am	2012	7/8/2012	NO SAMPLE	556536.77	5437589.15	11N	
GFL013 04+50E	Mp-Am	2012	7/8/2012	MAP	556556.89	5437599.27	11N	
GFL013 04+75E	Mp-Am	2012	7/8/2012	MAP	556577.02	5437609.4	11N	
GFL013 05+00E	Mp-Am	2012	7/8/2012	MAP	556597.14	5437619.52	11N	
GFL013 05+25E	Mp-Am	2012	7/8/2012	MAP	556617.27	5437629.65	11N	
GFL013 05+50E	Mp-Am	2012	7/8/2012	MAP	556637.39	5437639.77	11N	
GFL013 05+75E	Mp-Am	2012	7/8/2012	MAP	556657.52	5437649.9	11N	
GFL013 06+00E	Mp-Am	2012	7/8/2012	GPS	556677.64	5437660.02	11N	13
GFL013 06+25E	Mp-Am	2012	7/8/2012	MAP	556703.64	5437657.9	11N	
GFL013 06+50E	Mp-Am	2012	7/8/2012	MAP	556729.64	5437655.77	11N	
GFL013 06+75E	Mp-Am	2012	7/8/2012	MAP	556755.64	5437653.65	11N	
GFL013 07+00E	Mp-Am	2012	7/8/2012	MAP	556781.64	5437651.52	11N	
GFL013 07+25E	Mp-Am	2012	7/8/2012	MAP	556807.64	5437649.4	11N	
GFL013 07+50E	Mp-Am	2012	7/8/2012	MAP	556833.64	5437647.27	11N	
GFL013 07+75E	Mp-Am	2012	7/8/2012	MAP	556859.64	5437645.15	11N	
GFL013 08+00E	Mp-Am	2012	7/8/2012	GPS	556885.64	5437643.02	11N	12
GFL013 08+25E	Mp-Am	2012	7/9/2012	MAP	556909.39	5437647.4	11N	
GFL013 08+50E	Mp-Am	2012	7/9/2012	MAP	556933.14	5437651.77	11N	
GFL013 08+75E	Mp-Am	2012	7/9/2012	MAP	556956.89	5437656.15	11N	
GFL013 09+00E	Mp-Am	2012	7/9/2012	MAP	556980.64	5437660.52	11N	
GFL013 09+25E	Mp-Am	2012	7/9/2012	MAP	557004.39	5437664.9	11N	
GFL013 09+50E	Mp-Am	2012	7/9/2012	MAP	557028.14	5437669.27	11N	
GFL013 09+75E	Mp-Am	2012	7/9/2012	MAP	557051.89	5437673.65	11N	
GFL013 10+00E	Mp-Am	2012	7/9/2012	GPS	557075.64	5437678.02	11N	1
GFL013 10+25E	Mp-Am	2012	7/9/2012	MAP	557098.77	5437681.65	11N	
GFL013 10+50E	Mp-Am	2012	7/9/2012	MAP	557121.89	5437685.27	11N	
GFL013 10+75E	Mp-Am	2012	7/9/2012	MAP	557145.02	5437688.9	11N	
GFL013 11+00E	Mp-Am	2012	7/9/2012	MAP	557168.14	5437692.52	11N	
GFL013 11+25E	Mp-Am	2012	7/9/2012	MAP	557191.27	5437696.15	11N	
GFL013 11+50E	Mp-Am	2012	7/9/2012	MAP	557214.39	5437699.77	11N	
GFL013 11+75E	Mp-Am	2012	7/9/2012	MAP	557237.52	5437703.4	11N	
GFL013 12+00E	Mp-Am	2012	7/9/2012	GPS	557260.64	5437707.02	11N	7
GFL013 12+25E	Mp-Am	2012	7/9/2012	MAP	557284.89	5437711.9	11N	
GFL013 12+50E	Mp-Am	2012	7/9/2012	MAP	557309.14	5437716.77	11N	
GFL013 12+75E	Mp-Am	2012	7/9/2012	MAP	557333.39	5437721.65	11N	
GFL013 13+00E	Mp-Am	2012	7/9/2012	MAP	557357.64	5437726.52	11N	
GFL013 13+25E	Mp-Am	2012	7/9/2012	MAP	557381.89	5437731.4	11N	
GFL013 13+50E	Mp-Am	2012	7/9/2012	MAP	557406.14	5437736.27	11N	
GFL013 13+75E	Mp-Am	2012	7/9/2012	MAP	557430.39	5437741.15	11N	
GFL013 14+00E	Mp-Am	2012	7/9/2012	GPS	557454.64	5437746.02	11N	5
GFL013 14+25E	Mp-Am	2012	7/9/2012	MAP	557480.14	5437750.4	11N	
GFL013 14+50E	Mp-Am	2012	7/9/2012	MAP	557505.64	5437754.77	11N	
GFL013 14+75E	Mp-Am	2012	7/9/2012	MAP	557531.14	5437759.15	11N	
GFL013 15+00E	Mp-Am	2012	7/9/2012	MAP	557556.64	5437763.52	11N	
GFL013 15+25E	Mp-Am	2012	7/9/2012	MAP	557582.14	5437767.9	11N	
GFL013 15+50E	Mp-Am	2012	7/9/2012	MAP	557607.64	5437772.27	11N	
GFL013 15+75E	Mp-Am	2012	7/9/2012	MAP	557633.14	5437776.65	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
GFL013 16+00E	Mp-Am	2012	7/9/2012	GPS	557658.64	5437781.02	11N	6
GFL013 16+25E	Mp-Am	2012	7/9/2012	MAP	557681.76	5437785.77	11N	
GFL013 16+50E	Mp-Am	2012	7/9/2012	MAP	557704.89	5437790.52	11N	
GFL013 16+75E	Mp-Am	2012	7/9/2012	MAP	557728.01	5437795.27	11N	
GFL013 17+00E	Mp-Am	2012	7/9/2012	MAP	557751.14	5437800.02	11N	
GFL013 17+25E	Mp-Am	2012	7/9/2012	MAP	557774.26	5437804.77	11N	
GFL013 17+50E	Mp-Am	2012	7/9/2012	MAP	557797.39	5437809.52	11N	
GFL013 17+75E	Mp-Am	2012	7/9/2012	MAP	557820.51	5437814.27	11N	
GFL013 18+00E	Mp-Am	2012	7/9/2012	GPS	557843.64	5437819.02	11N	6
GFL013 18+25E	Mp-Am	2012	7/9/2012	MAP	557867.01	5437822.65	11N	
GFL013 18+50E	Mp-Am	2012	7/9/2012	MAP	557890.39	5437826.27	11N	
GFL013 18+75E	Mp-Am	2012	7/9/2012	MAP	557913.76	5437829.9	11N	
GFL013 19+00E	Mp-Am	2012	7/9/2012	GPS	557937.14	5437833.52	11N	5
GFL013 19+25E	Mp-Am	2012	7/10/2012	MAP	557960.51	5437837.15	11N	
GFL013 19+50E	Mp-Am	2012	7/10/2012	MAP	557983.89	5437840.77	11N	
GFL013 19+75E	Mp-Am	2012	7/10/2012	MAP	558007.26	5437844.4	11N	
GFL013 20+00E	Mp-Am	2012	7/10/2012	GPS	558030.64	5437848.02	11N	5
GFL013 20+25E	Mp-Am	2012	7/10/2012	MAP	558053.76	5437853.15	11N	
GFL013 20+50E	Mp-Am	2012	7/10/2012	MAP	558076.89	5437858.27	11N	
GFL013 20+75E	Mp-Am	2012	7/10/2012	MAP	558100.01	5437863.4	11N	
GFL013 21+00E	Mp-Am	2012	7/10/2012	MAP	558123.14	5437868.52	11N	
GFL013 21+25E	Mp-Am	2012	7/10/2012	MAP	558146.26	5437873.65	11N	
GFL013 21+50E	Mp-Am	2012	7/10/2012	MAP	558169.39	5437878.77	11N	
GFL013 21+75E	Mp-Am	2012	7/10/2012	MAP	558192.51	5437883.9	11N	
GFL013 22+00E	Mp-Am	2012	7/10/2012	GPS	558215.64	5437889.02	11N	6
GFL013 22+25E	Mp-Am	2012	7/10/2012	MAP	558239.89	5437896.02	11N	
GFL013 22+50E	Mp-Am	2012	7/10/2012	MAP	558264.14	5437903.02	11N	
GFL013 22+75E	Mp-Am	2012	7/10/2012	MAP	558288.39	5437910.02	11N	
GFL013 23+00E	Mp-Am	2012	7/10/2012	MAP	558312.64	5437917.02	11N	
GFL013 23+25E	Mp-Am	2012	7/10/2012	MAP	558336.89	5437924.02	11N	
GFL013 23+50E	Mp-Am	2012	7/10/2012	MAP	558361.14	5437931.02	11N	
GFL013 23+75E	Mp-Am	2012	7/10/2012	MAP	558385.39	5437938.02	11N	
GFL013 24+00E	Mp-Am	2012	7/10/2012	GPS	558409.64	5437945.02	11N	
GFL013 24+25E	Mp-Am	2012	7/10/2012	MAP	558433.89	5437952.02	11N	
GFL013 24+50E	Mp-Am	2012	7/10/2012	MAP	558458.14	5437959.02	11N	
GFL013 24+75E	Mp-Am	2012	7/10/2012	MAP	558482.39	5437966.02	11N	
GFL013 25+00E	Mp-Am	2012	7/10/2012	MAP	558506.64	5437973.02	11N	12
GFL013 25+25E	Mp-Am	2012	7/10/2012	MAP	558531.01	5437975.15	11N	
GFL013 25+50E	Mp-Am	2012	7/10/2012	MAP	558555.39	5437977.27	11N	
GFL013 25+75E	Mp-Am	2012	7/10/2012	MAP	558579.76	5437979.4	11N	
GFL013 26+00E	Mp-Am	2012	7/10/2012	GPS	558604.14	5437981.52	11N	
GFL013 26+25E	Mp-Am	2012	7/10/2012	MAP	558628.51	5437983.65	11N	
GFL013 26+50E	Mp-Am	2012	7/10/2012	MAP	558652.89	5437985.77	11N	
GFL013 26+75E	Mp-Am	2012	7/10/2012	MAP	558677.26	5437987.9	11N	
GFL013 27+00E	Mp-Am	2012	7/10/2012	MAP	558701.64	5437990.02	11N	1
GFL013 27+25E	Mp-Am	2012	7/10/2012	MAP	558724.14	5437996.15	11N	
GFL013 27+50E	Mp-Am	2012	7/10/2012	MAP	558746.64	5438002.27	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
GFL013 27+75E	Mp-Am	2012	7/10/2012	MAP	558769.14	5438008.4	11N	
GFL013 28+00E	Mp-Am	2012	7/10/2012	GPS	558791.64	5438014.52	11N	
GFL013 28+25E	Mp-Am	2012	7/10/2012	MAP	558814.14	5438020.65	11N	
GFL013 28+50E	Mp-Am	2012	7/10/2012	MAP	558836.64	5438026.77	11N	
GFL013 28+75E	Mp-Am	2012	7/10/2012	MAP	558859.14	5438032.9	11N	
GFL013 29+00E	Mp-Am	2012	7/10/2012	MAP	558881.64	5438039.02	11N	6
GFL013 29+25E	Mp-Am	2012	7/10/2012	MAP	558904.51	5438042.65	11N	
GFL013 29+50E	Mp-Am	2012	7/10/2012	MAP	558927.39	5438046.27	11N	
GFL013 29+75E	Mp-Am	2012	7/10/2012	MAP	558950.26	5438049.9	11N	
GFL013 30+00E	Mp-Am	2012	7/10/2012	GPS	558973.14	5438053.52	11N	
GFL013 30+25E	Mp-Am	2012	7/10/2012	MAP	558996.01	5438057.15	11N	
GFL013 30+50E	Mp-Am	2012	7/10/2012	MAP	559018.89	5438060.77	11N	
GFL013 30+75E	Mp-Am	2012	7/10/2012	MAP	559041.76	5438064.4	11N	
GFL013 31+00E	Mp-Am	2012	7/10/2012	MAP	559064.64	5438068.02	11N	11
GFL013 31+25E	Mp-Am	2012	7/11/2012	MAP	559087.76	5438072.9	11N	
GFL013 31+50E	Mp-Am	2012	7/11/2012	MAP	559110.88	5438077.77	11N	
GFL013 31+75E	Mp-Am	2012	7/11/2012	MAP	559134.01	5438082.65	11N	
GFL013 32+00E	Mp-Am	2012	7/11/2012	MAP	559157.13	5438087.52	11N	
GFL013 32+25E	Mp-Am	2012	7/11/2012	MAP	559180.26	5438092.4	11N	
GFL013 32+50E	Mp-Am	2012	7/11/2012	MAP	559203.38	5438097.27	11N	
GFL013 32+75E	Mp-Am	2012	7/11/2012	MAP	559226.51	5438102.15	11N	
GFL013 33+00E	Mp-Am	2012	7/11/2012	GPS	559249.63	5438107.02	11N	8
GFL013 33+25E	Mp-Am	2012	7/11/2012	MAP	559272.76	5438110.52	11N	
GFL013 33+50E	Mp-Am	2012	7/11/2012	MAP	559295.88	5438114.02	11N	
GFL013 33+75E	Mp-Am	2012	7/11/2012	MAP	559319.01	5438117.52	11N	
GFL013 34+00E	Mp-Am	2012	7/11/2012	MAP	559342.13	5438121.02	11N	
GFL013 34+25E	Mp-Am	2012	7/11/2012	MAP	559365.26	5438124.52	11N	
GFL013 34+50E	Mp-Am	2012	7/11/2012	MAP	559388.38	5438128.02	11N	
GFL013 34+75E	Mp-Am	2012	7/11/2012	MAP	559411.51	5438131.52	11N	
GFL013 35+00E	Mp-Am	2012	7/11/2012	GPS	559434.63	5438135.02	11N	8
GFL013 35+25E	Mp-Am	2012	7/11/2012	MAP	559457.38	5438138.15	11N	
GFL013 35+50E	Mp-Am	2012	7/11/2012	MAP	559480.13	5438141.27	11N	
GFL013 35+75E	Mp-Am	2012	7/11/2012	MAP	559502.88	5438144.4	11N	
GFL013 36+00E	Mp-Am	2012	7/11/2012	MAP	559525.63	5438147.52	11N	
GFL013 36+25E	Mp-Am	2012	7/11/2012	MAP	559548.38	5438150.65	11N	
GFL013 36+50E	Mp-Am	2012	7/11/2012	MAP	559571.13	5438153.77	11N	
GFL013 36+75E	Mp-Am	2012	7/11/2012	MAP	559593.88	5438156.9	11N	
GFL013 37+00E	Mp-Am	2012	7/11/2012	GPS	559616.63	5438160.02	11N	7
GFL013 37+25E	Mp-Am	2012	7/11/2012	MAP	559641.38	5438166.52	11N	
GFL013 37+50E	Mp-Am	2012	7/11/2012	MAP	559666.13	5438173.02	11N	
GFL013 37+75E	Mp-Am	2012	7/11/2012	MAP	559690.88	5438179.52	11N	
GFL013 38+00E	Mp-Am	2012	7/11/2012	MAP	559715.63	5438186.02	11N	
GFL013 38+25E	Mp-Am	2012	7/11/2012	MAP	559740.38	5438192.52	11N	
GFL013 38+50E	Mp-Am	2012	7/11/2012	MAP	559765.13	5438199.02	11N	
GFL013 38+75E	Mp-Am	2012	7/11/2012	MAP	559789.88	5438205.52	11N	
GFL013 39+00E	Mp-Am	2012	7/11/2012	GPS	559814.63	5438212.02	11N	7
GFL013 39+25E	Mp-Am	2012	7/11/2012	MAP	559838.51	5438214.15	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
GFL013 39+50E	Mp-Am	2012	7/11/2012	MAP	559862.38	5438216.27	11N	
GFL013 39+75E	Mp-Am	2012	7/11/2012	MAP	559886.26	5438218.4	11N	
GFL013 40+00E	Mp-Am	2012	7/11/2012	MAP	559910.13	5438220.52	11N	
GFL013 40+25E	Mp-Am	2012	7/11/2012	MAP	559934.01	5438222.65	11N	
GFL013 40+50E	Mp-Am	2012	7/11/2012	MAP	559957.88	5438224.77	11N	
GFL013 40+75E	Mp-Am	2012	7/11/2012	MAP	559981.76	5438226.9	11N	
GFL013 41+00E	Mp-Am	2012	7/11/2012	GPS	560005.63	5438229.02	11N	8
GFL013 41+25E	Mp-Am	2012	7/11/2012	MAP	560030.01	5438235.4	11N	
GFL013 41+50E	Mp-Am	2012	7/11/2012	MAP	560054.38	5438241.77	11N	
GFL013 41+75E	Mp-Am	2012	7/11/2012	MAP	560078.76	5438248.15	11N	
GFL013 42+00E	Mp-Am	2012	7/11/2012	MAP	560103.13	5438254.52	11N	
GFL013 42+25E	Mp-Am	2012	7/11/2012	MAP	560127.51	5438260.9	11N	
GFL013 42+50E	Mp-Cm	2012	7/11/2012	MAP	560151.88	5438267.27	11N	
GFL013 42+75E	Mp-Cm	2012	7/11/2012	MAP	560176.26	5438273.65	11N	
GFL013 43+00E	Mp-Cm	2012	7/11/2012	GPS	560200.63	5438280.02	11N	6
GFL014 00+00	Mp-Am	2012	8/12/2012	GPS	556115.65	5437110.02	11N	
GFL014 00+25E	Mp-M	2012	8/12/2012	MAP	556142.4	5437115.02	11N	
GFL014 00+50E	Mp-M	2012	8/12/2012	MAP	556169.15	5437120.02	11N	
GFL014 00+75E	Mp-M	2012	8/12/2012	MAP	556195.9	5437125.02	11N	
GFL014 01+00E	Mp-Am	2012	8/12/2012	MAP	556222.65	5437130.02	11N	
GFL014 01+25E	Mp-Am	2012	8/12/2012	MAP	556249.4	5437135.02	11N	
GFL014 01+50E	Mp-Am	2012	8/12/2012	MAP	556276.14	5437140.02	11N	
GFL014 01+75E	Mp-Am	2012	8/12/2012	MAP	556302.89	5437145.02	11N	
GFL014 02+00E	Mp-Am	2012	8/12/2012	MAP	556329.64	5437150.02	11N	
GFL014 02+25E	Mp-Am	2012	8/12/2012	MAP	556355.27	5437148.52	11N	
GFL014 02+50E	Mp-Am	2012	8/12/2012	MAP	556380.89	5437147.02	11N	
GFL014 02+75E	Mp-Am	2012	8/12/2012	MAP	556406.52	5437145.52	11N	
GFL014 03+00E	Mp-Am	2012	8/12/2012	MAP	556432.14	5437144.02	11N	
GFL014 03+25E	Mp-Am	2012	8/12/2012	MAP	556457.77	5437142.52	11N	
GFL014 03+50E	Mp-Am	2012	8/12/2012	MAP	556483.39	5437141.02	11N	
GFL014 03+75E	Mp-Am	2012	8/12/2012	MAP	556509.02	5437139.52	11N	
GFL014 04+00E	Mp-Am	2012	8/12/2012	MAP	556534.64	5437138.02	11N	
GFL014 04+25E	Mp-Am	2012	8/12/2012	MAP	556557.89	5437147.4	11N	
GFL014 04+50E	Mp-Am	2012	8/12/2012	MAP	556581.14	5437156.77	11N	
GFL014 04+75E	Mp-Am	2012	8/12/2012	MAP	556604.39	5437166.15	11N	
GFL014 05+00E	Mp-Am	2012	8/12/2012	MAP	556627.64	5437175.52	11N	
GFL014 05+25E	Mp-Am	2012	8/12/2012	MAP	556650.89	5437184.9	11N	
GFL014 05+50E	Mp-Am	2012	8/12/2012	MAP	556674.14	5437194.27	11N	
GFL014 05+75E	Mp-Am	2012	8/12/2012	MAP	556697.39	5437203.65	11N	
GFL014 06+00E	Mp-Am	2012	8/12/2012	MAP	556720.64	5437213.02	11N	
GFL014 06+25E	Mp-Am	2012	8/12/2012	MAP	556741.89	5437226.02	11N	
GFL014 06+50E	Mp-Am	2012	8/12/2012	MAP	556763.14	5437239.02	11N	
GFL014 06+75E	Mp-Am	2012	8/12/2012	MAP	556784.39	5437252.02	11N	
GFL014 07+00E	Mp-Am	2012	8/12/2012	MAP	556805.64	5437265.02	11N	
GFL014 07+25E	Mp-Am	2012	8/12/2012	MAP	556826.89	5437278.02	11N	
GFL014 07+50E	Mp-Am	2012	8/12/2012	MAP	556848.14	5437291.02	11N	
GFL014 07+75E	Mp-Am	2012	8/12/2012	MAP	556869.39	5437304.02	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
GFL014 08+00E	Mp-Am	2012	8/12/2012	MAP	556890.64	5437317.02	11N	
GFL014 08+25E	Mp-Am	2012	8/12/2012	MAP	556914.89	5437315.4	11N	
GFL014 08+50E	Mp-Am	2012	8/12/2012	MAP	556939.14	5437313.77	11N	
GFL014 08+75E	Mp-Am	2012	8/12/2012	MAP	556963.39	5437312.15	11N	
GFL014 09+00E	Mp-Am	2012	8/12/2012	MAP	556987.64	5437310.52	11N	
GFL014 09+25E	Mp-Am	2012	8/12/2012	MAP	557011.89	5437308.9	11N	
GFL014 09+50E	Mp-Am	2012	8/12/2012	MAP	557036.14	5437307.27	11N	
GFL014 09+75E	Mp-Am	2012	8/12/2012	MAP	557060.39	5437305.65	11N	
GFL014 10+00E	Mp-Am	2012	8/12/2012	MAP	557084.64	5437304.02	11N	
GFL014 10+25E	Mp-Am	2012	8/12/2012	MAP	557108.27	5437304.02	11N	
GFL014 10+50E	Mp-Am	2012	8/12/2012	MAP	557131.89	5437304.02	11N	
GFL014 10+75E	Mp-Am	2012	8/12/2012	MAP	557155.52	5437304.02	11N	
GFL014 11+00E	Mp-Am	2012	8/12/2012	MAP	557179.14	5437304.02	11N	
GFL014 11+25E	Mp-Am	2012	8/12/2012	MAP	557202.77	5437304.02	11N	
GFL014 11+50E	Mp-Am	2012	8/12/2012	MAP	557226.39	5437304.02	11N	
GFL014 11+75E	Mp-Am	2012	8/12/2012	MAP	557250.02	5437304.02	11N	
GFL014 12+00E	Mp-Am	2012	8/12/2012	MAP	557273.64	5437304.02	11N	
GFL014 12+25E	Mp-Am	2012	8/12/2012	MAP	557295.39	5437311.27	11N	
GFL014 12+50E	Mp-Am	2012	8/12/2012	MAP	557317.14	5437318.52	11N	
GFL014 12+75E	Mp-Am	2012	8/12/2012	MAP	557338.89	5437325.77	11N	
GFL014 13+00E	Mp-Am	2012	8/12/2012	MAP	557360.64	5437333.02	11N	
GFL014 13+25E	Mp-Am	2012	8/12/2012	MAP	557382.39	5437340.27	11N	
GFL014 13+50E	Mp-Am	2012	8/12/2012	MAP	557404.14	5437347.52	11N	
GFL014 13+75E	Mp-Am	2012	8/12/2012	MAP	557425.89	5437354.77	11N	
GFL014 14+00E	Mp-Am	2012	8/12/2012	GPS	557447.64	5437362.02	11N	3
GFL014 14+25E	Mp-Am	2012	8/12/2012	MAP	557471.89	5437365.9	11N	
GFL014 14+50E	Mp-Am	2012	8/12/2012	MAP	557496.14	5437369.77	11N	
GFL014 14+75E	Mp-Am	2012	8/12/2012	MAP	557520.39	5437373.65	11N	
GFL014 15+00E	Mp-Am	2012	8/12/2012	MAP	557544.64	5437377.52	11N	
GFL014 15+25E	Mp-Am	2012	8/12/2012	MAP	557568.89	5437381.4	11N	
GFL014 15+50E	Mp-Am	2012	8/12/2012	MAP	557593.14	5437385.27	11N	
GFL014 15+75E	Mp-Am	2012	8/12/2012	MAP	557617.39	5437389.15	11N	
GFL014 16+00E	Mp-Am	2012	8/12/2012	GPS	557641.64	5437393.02	11N	7
GFL014 16+25E	Mp-Am	2012	8/12/2012	MAP	557666.52	5437392.77	11N	
GFL014 16+50E	Mp-Am	2012	8/12/2012	MAP	557691.39	5437392.52	11N	
GFL014 16+75E	Mp-Am	2012	8/12/2012	MAP	557716.26	5437392.27	11N	
GFL014 17+00E	Mp-Am	2012	8/12/2012	MAP	557741.14	5437392.02	11N	
GFL014 17+25E	Mp-Am	2012	8/12/2012	MAP	557766.01	5437391.77	11N	
GFL014 17+50E	Mp-Am	2012	8/12/2012	MAP	557790.89	5437391.52	11N	
GFL014 17+75E	Mp-Am	2012	8/12/2012	MAP	557815.76	5437391.27	11N	
GFL014 18+00E	Mp-Am	2012	8/12/2012	GPS	557840.64	5437391.02	11N	6
GFL014 18+25E	Mp-Am	2012	8/12/2012	MAP	557864.89	5437391.65	11N	
GFL014 18+50E	Mp-Am	2012	8/12/2012	MAP	557889.14	5437392.27	11N	
GFL014 18+75E	Mp-Am	2012	8/12/2012	MAP	557913.39	5437392.9	11N	
GFL014 19+00E	Mp-Am	2012	8/12/2012	MAP	557937.64	5437393.52	11N	
GFL014 19+25E	Mp-Am	2012	8/12/2012	MAP	557961.89	5437394.15	11N	
GFL014 19+50E	Mp-Am	2012	8/12/2012	MAP	557986.14	5437394.77	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
GFL014 19+75E	Mp-Am	2012	8/12/2012	MAP	558010.39	5437395.4	11N	
GFL014 20+00E	Mp-Am	2012	8/12/2012	GPS	558034.64	5437396.02	11N	11
GFL014 20+25E	Mp-Am	2012	8/12/2012	MAP	558056.39	5437406.02	11N	
GFL014 20+50E	Mp-Am	2012	8/12/2012	MAP	558078.14	5437416.02	11N	
GFL014 20+75E	Mp-Am	2012	8/12/2012	MAP	558099.89	5437426.02	11N	
GFL014 21+00E	Mp-Am	2012	8/12/2012	MAP	558121.64	5437436.02	11N	
GFL014 21+25E	Mp-Am	2012	8/12/2012	MAP	558143.39	5437446.02	11N	
GFL014 21+50E	Mp-Am	2012	8/12/2012	MAP	558165.14	5437456.02	11N	
GFL014 21+75E	Mp-Am	2012	8/12/2012	MAP	558186.89	5437466.02	11N	
GFL014 22+00E	Mp-Am	2012	8/12/2012	GPS	558208.64	5437476.02	11N	1
GFL014 22+25E	Mp-Am	2012	8/12/2012	MAP	558230.51	5437478.65	11N	
GFL014 22+50E	Mp-Am	2012	8/12/2012	MAP	558252.39	5437481.27	11N	
GFL014 22+75E	Mp-Am	2012	8/12/2012	MAP	558274.26	5437483.9	11N	
GFL014 23+00E	Mp-Am	2012	8/12/2012	MAP	558296.14	5437486.52	11N	
GFL014 23+25E	Mp-Am	2012	8/12/2012	MAP	558318.01	5437489.15	11N	
GFL014 23+50E	Mp-Am	2012	8/12/2012	MAP	558339.89	5437491.77	11N	
GFL014 23+75E	Mp-Am	2012	8/12/2012	MAP	558361.76	5437494.4	11N	
GFL014 24+00E	Mp-Am	2012	8/12/2012	GPS	558383.64	5437497.02	11N	
GFL014 24+25E	Mp-Am	2012	8/12/2012	MAP	558410.01	5437500.77	11N	
GFL014 24+50E	Mp-Am	2012	8/12/2012	MAP	558436.39	5437504.52	11N	
GFL014 24+75E	Mp-Am	2012	8/12/2012	MAP	558462.76	5437508.27	11N	
GFL014 25+00E	Mp-Am	2012	8/12/2012	MAP	558489.14	5437512.02	11N	
GFL014 25+25E	Mp-Am	2012	8/12/2012	MAP	558515.51	5437515.77	11N	
GFL014 25+50E	Mp-Am	2012	8/12/2012	MAP	558541.89	5437519.52	11N	
GFL014 25+75E	Mp-Am	2012	8/12/2012	MAP	558568.26	5437523.27	11N	
GFL014 26+00E	Mp-Am	2012	8/12/2012	MAP	558594.64	5437527.02	11N	
GFL014 26+25E	Mp-Am	2012	8/12/2012	MAP	558618.14	5437530.02	11N	
GFL014 26+50E	Mp-Am	2012	8/12/2012	MAP	558641.64	5437533.02	11N	
GFL014 26+75E	Mp-Am	2012	8/12/2012	MAP	558665.14	5437536.02	11N	
GFL014 27+00E	Mp-Am	2012	8/12/2012	MAP	558688.64	5437539.02	11N	
GFL014 27+25E	Mp-Am	2012	8/12/2012	MAP	558712.14	5437542.02	11N	
GFL014 27+50E	Mp-Am	2012	8/12/2012	MAP	558735.64	5437545.02	11N	
GFL014 27+75E	Mp-Am	2012	8/12/2012	MAP	558759.14	5437548.02	11N	
GFL014 28+00E	Mp-Am	2012	8/12/2012	MAP	558782.64	5437551.02	11N	
GFL014 28+25E	Mp-Am	2012	8/13/2012	MAP	558805.39	5437547.52	11N	
GFL014 28+50E	Mp-Am	2012	8/13/2012	MAP	558828.14	5437544.02	11N	
GFL014 28+75E	Mp-Am	2012	8/13/2012	MAP	558850.89	5437540.52	11N	
GFL014 29+00E	Mp-Am	2012	8/13/2012	MAP	558873.64	5437537.02	11N	
GFL014 29+25E	Mp-Am	2012	8/13/2012	MAP	558896.39	5437533.52	11N	
GFL014 29+50E	Mp-Am	2012	8/13/2012	MAP	558919.14	5437530.02	11N	
GFL014 29+75E	Mp-Am	2012	8/13/2012	MAP	558941.89	5437526.52	11N	
GFL014 30+00E	Mp-Am	2012	8/13/2012	MAP	558964.64	5437523.02	11N	
GFL014 30+25E	Mp-Am	2012	8/13/2012	MAP	558988.39	5437520.02	11N	
GFL014 30+50E	Mp-Am	2012	8/13/2012	MAP	559012.14	5437517.02	11N	
GFL014 30+75E	Mp-Am	2012	8/13/2012	MAP	559035.89	5437514.02	11N	
GFL014 31+00E	Mp-Am	2012	8/13/2012	MAP	559059.64	5437511.02	11N	
GFL014 31+25E	Mp-Am	2012	8/13/2012	MAP	559083.39	5437508.02	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
GFL014 31+50E	Mp-Am	2012	8/13/2012	MAP	559107.14	5437505.02	11N	
GFL014 31+75E	Mp-Am	2012	8/13/2012	MAP	559130.88	5437502.02	11N	
GFL014 32+00E	Mp-Am	2012	8/13/2012	MAP	559154.63	5437499.02	11N	
GFL014 32+25E	Mp-Am	2012	8/13/2012	MAP	559176.63	5437517.52	11N	
GFL014 32+50E	Mp-Am	2012	8/13/2012	MAP	559198.63	5437536.02	11N	
GFL014 32+75E	Mp-Am	2012	8/13/2012	MAP	559220.63	5437554.52	11N	
GFL014 33+00E	Mp-Am	2012	8/13/2012	MAP	559242.63	5437573.02	11N	
GFL014 33+25E	Mp-Am	2012	8/13/2012	MAP	559264.63	5437591.52	11N	
GFL014 33+50E	Mp-Am	2012	8/13/2012	MAP	559286.63	5437610.02	11N	
GFL014 33+75E	Mp-Am	2012	8/13/2012	MAP	559308.63	5437628.52	11N	
GFL014 34+00E	Mp-Am	2012	8/13/2012	GPS	559330.63	5437647.02	11N	
GFL014 34+25E	Mp-Am	2012	8/13/2012	MAP	559356.01	5437652.4	11N	
GFL014 34+50E	Mp-Am	2012	8/13/2012	MAP	559381.38	5437657.77	11N	
GFL014 34+75E	Mp-Am	2012	8/13/2012	MAP	559406.76	5437663.15	11N	
GFL014 35+00E	Mp-Am	2012	8/13/2012	MAP	559432.13	5437668.52	11N	
GFL014 35+25E	Mp-Am	2012	8/13/2012	MAP	559457.51	5437673.9	11N	
GFL014 35+50E	Mp-Am	2012	8/13/2012	MAP	559482.88	5437679.27	11N	
GFL014 35+75E	Mp-Am	2012	8/13/2012	MAP	559508.26	5437684.65	11N	
GFL014 36+00E	Mp-Am	2012	8/13/2012	GPS	559533.63	5437690.02	11N	
GFL014 36+25E	Mp-Am	2012	8/13/2012	MAP	559558.51	5437694.27	11N	
GFL014 36+50E	Mp-Am	2012	8/13/2012	MAP	559583.38	5437698.52	11N	
GFL014 36+75E	Mp-Am	2012	8/13/2012	MAP	559608.26	5437702.77	11N	
GFL014 37+00E	Mp-Am	2012	8/13/2012	MAP	559633.13	5437707.02	11N	
GFL014 37+25E	Mp-Am	2012	8/13/2012	MAP	559658.01	5437711.27	11N	
GFL014 37+50E	Mp-Am	2012	8/13/2012	MAP	559682.88	5437715.52	11N	
GFL014 37+75E	Mp-Am	2012	8/13/2012	MAP	559707.76	5437719.77	11N	
GFL014 38+00E	Mp-Am	2012	8/13/2012	GPS	559732.26	5437724.04	11N	
GFL014 38+25E	Mp-Am	2012	8/15/2012	MAP	559753.93	5437729.42	11N	
GFL014 38+50E	Mp-Am	2012	8/15/2012	MAP	559775.61	5437734.79	11N	
GFL014 38+75E	Mp-Am	2012	8/15/2012	MAP	559797.28	5437740.16	11N	
GFL014 39+00E	Mp-Am	2012	8/15/2012	MAP	559818.95	5437745.53	11N	
GFL014 39+25E	Mp-Am	2012	8/15/2012	MAP	559840.62	5437750.91	11N	
GFL014 39+50E	Mp-Am	2012	8/15/2012	MAP	559862.29	5437756.28	11N	
GFL014 39+75E	Mp-Am	2012	8/15/2012	MAP	559883.96	5437761.65	11N	
GFL014 40+00E	Mp-Am	2012	8/15/2012	GPS	559905.63	5437767.02	11N	14
GFL014 40+25E	Mp-Am	2012	8/15/2012	MAP	559928.76	5437778.4	11N	
GFL014 40+50E	Mp-Am	2012	8/15/2012	MAP	559951.88	5437789.77	11N	
GFL014 40+75E	Mp-Am	2012	8/15/2012	MAP	559975.01	5437801.15	11N	
GFL014 41+00E	Mp-Am	2012	8/15/2012	MAP	559998.13	5437812.52	11N	
GFL014 41+25E	Mp-Am	2012	8/15/2012	MAP	560021.26	5437823.9	11N	
GFL014 41+50E	Mp-Am	2012	8/15/2012	MAP	560044.38	5437835.27	11N	
GFL014 41+75E	Mp-Am	2012	8/15/2012	MAP	560067.51	5437846.65	11N	
GFL014 42+00E	Mp-Am	2012	8/15/2012	GPS	560090.63	5437858.02	11N	12
GFL014 42+25E	Mp-Cm	2012	8/15/2012	MAP	560114.88	5437853.27	11N	
GFL014 42+50E	Mp-Cm	2012	8/15/2012	MAP	560139.13	5437848.52	11N	
GFL014 42+75E	Mp-Cm	2012	8/15/2012	MAP	560163.38	5437843.77	11N	
GFL014 43+00E	Mp-Cm	2012	8/15/2012	GPS	560187.63	5437839.02	11N	9

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
GFL015 00+00	Mp-M	2012	8/12/2012	GPS	556199.65	5436700.02	11N	5
GFL015 00+25E	Mp-M	2012	8/12/2012	MAP	556224.4	5436708.9	11N	
GFL015 00+50E	Mp-M	2012	8/12/2012	MAP	556249.15	5436717.77	11N	
GFL015 00+75E	Mp-Am	2012	8/12/2012	MAP	556273.9	5436726.65	11N	
GFL015 01+00E	Mp-Am	2012	8/12/2012	MAP	556298.64	5436735.52	11N	
GFL015 01+25E	Mp-Am	2012	8/12/2012	MAP	556323.39	5436744.4	11N	
GFL015 01+50E	Mp-Am	2012	8/12/2012	MAP	556348.14	5436753.27	11N	
GFL015 01+75E	Mp-Am	2012	8/12/2012	MAP	556372.89	5436762.15	11N	
GFL015 02+00E	Mp-Am	2012	8/12/2012	GPS	556397.64	5436771.02	11N	5
GFL015 02+25E	Mp-Am	2012	8/12/2012	MAP	556422.46	5436773.27	11N	
GFL015 02+50E	Mp-Am	2012	8/12/2012	MAP	556447.27	5436775.52	11N	
GFL015 02+75E	Mp-Am	2012	8/12/2012	MAP	556472.08	5436777.77	11N	
GFL015 03+00E	Mp-Am	2012	8/12/2012	MAP	556496.89	5436780.02	11N	
GFL015 03+25E	Mp-Am	2012	8/12/2012	MAP	556521.71	5436782.27	11N	
GFL015 03+50E	Mp-Am	2012	8/12/2012	MAP	556546.52	5436784.52	11N	
GFL015 03+75E	Mp-Am	2012	8/12/2012	MAP	556571.33	5436786.77	11N	
GFL015 04+00E	Mp-Am	2012	8/12/2012	GPS	556596.14	5436789.02	11N	5
GFL015 04+25E	Mp-Am	2012	8/12/2012	MAP	556620.96	5436791.27	11N	
GFL015 04+50E	Mp-Am	2012	8/12/2012	MAP	556645.77	5436793.52	11N	
GFL015 04+75E	Mp-Am	2012	8/12/2012	MAP	556670.58	5436795.77	11N	
GFL015 05+00E	Mp-Am	2012	8/12/2012	MAP	556695.39	5436798.02	11N	
GFL015 05+25E	Mp-Am	2012	8/12/2012	MAP	556720.21	5436800.27	11N	
GFL015 05+50E	Mp-Am	2012	8/12/2012	MAP	556745.02	5436802.52	11N	
GFL015 05+75E	Mp-Am	2012	8/12/2012	MAP	556769.83	5436804.77	11N	
GFL015 06+00E	Mp-Am	2012	8/12/2012	GPS	556794.64	5436807.02	11N	8
GFL015 06+25E	Mp-Am	2012	8/12/2012	MAP	556818.39	5436810.52	11N	
GFL015 06+50E	Mp-Am	2012	8/12/2012	MAP	556842.14	5436814.02	11N	
GFL015 06+75E	Mp-Am	2012	8/12/2012	MAP	556865.89	5436817.52	11N	
GFL015 07+00E	Mp-Am	2012	8/12/2012	MAP	556889.64	5436821.02	11N	
GFL015 07+25E	Mp-Am	2012	8/12/2012	MAP	556913.39	5436824.52	11N	
GFL015 07+50E	Mp-Am	2012	8/12/2012	MAP	556937.14	5436828.02	11N	
GFL015 07+75E	Mp-Am	2012	8/12/2012	MAP	556960.89	5436831.52	11N	
GFL015 08+00E	Mp-Am	2012	8/12/2012	GPS	556984.64	5436835.02	11N	9
GFL015 08+25E	Mp-Am	2012	8/12/2012	MAP	557007.89	5436838.52	11N	
GFL015 08+50E	Mp-Am	2012	8/12/2012	MAP	557031.14	5436842.02	11N	
GFL015 08+75E	Mp-Am	2012	8/12/2012	MAP	557054.39	5436845.52	11N	
GFL015 09+00E	Mp-Am	2012	8/12/2012	MAP	557077.64	5436849.02	11N	
GFL015 09+25E	Mp-Am	2012	8/12/2012	MAP	557100.89	5436852.52	11N	
GFL015 09+50E	Mp-Am	2012	8/12/2012	MAP	557124.14	5436856.02	11N	
GFL015 09+75E	Mp-Am	2012	8/12/2012	MAP	557147.39	5436859.52	11N	
GFL015 10+00E	Mp-Am	2012	8/12/2012	GPS	557170.64	5436863.02	11N	9
GFL015 10+25E	Mp-Am	2012	8/12/2012	MAP	557194.27	5436863.77	11N	
GFL015 10+50E	Mp-Am	2012	8/12/2012	MAP	557217.89	5436864.52	11N	
GFL015 10+75E	Mp-Am	2012	8/12/2012	MAP	557241.52	5436865.27	11N	
GFL015 11+00E	Mp-Am	2012	8/12/2012	MAP	557265.14	5436866.02	11N	
GFL015 11+25E	Mp-Am	2012	8/12/2012	MAP	557288.77	5436866.77	11N	
GFL015 11+50E	Mp-Am	2012	8/12/2012	MAP	557312.39	5436867.52	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
GFL015 11+75E	Mp-Am	2012	8/12/2012	MAP	557336.02	5436868.27	11N	
GFL015 12+00E	Mp-Am	2012	8/12/2012	GPS	557359.64	5436869.02	11N	13
GFL015 12+25E	Mp-Am	2012	8/12/2012	MAP	557383.02	5436874.27	11N	
GFL015 12+50E	Mp-Am	2012	8/12/2012	MAP	557406.39	5436879.52	11N	
GFL015 12+75E	Mp-Am	2012	8/12/2012	MAP	557429.77	5436884.77	11N	
GFL015 13+00E	Mp-Am	2012	8/12/2012	MAP	557453.14	5436890.02	11N	
GFL015 13+25E	Mp-Am	2012	8/12/2012	MAP	557476.52	5436895.27	11N	
GFL015 13+50E	Mp-Am	2012	8/12/2012	MAP	557499.89	5436900.52	11N	
GFL015 13+75E	Mp-Am	2012	8/12/2012	MAP	557523.27	5436905.77	11N	
GFL015 14+00E	Mp-Am	2012	8/12/2012	GPS	557546.64	5436911.02	11N	7
GFL015 14+25E	Mp-Am	2012	8/12/2012	MAP	557569.89	5436916.02	11N	
GFL015 14+50E	Mp-Am	2012	8/12/2012	MAP	557593.14	5436921.02	11N	
GFL015 14+75E	Mp-Am	2012	8/12/2012	MAP	557616.39	5436926.02	11N	
GFL015 15+00E	Mp-Am	2012	8/12/2012	MAP	557639.64	5436931.02	11N	
GFL015 15+25E	Mp-Am	2012	8/12/2012	MAP	557662.89	5436936.02	11N	
GFL015 15+50E	Mp-Am	2012	8/12/2012	MAP	557686.14	5436941.02	11N	
GFL015 15+75E	Mp-Am	2012	8/12/2012	MAP	557709.39	5436946.02	11N	
GFL015 16+00E	Mp-Am	2012	8/12/2012	GPS	557732.64	5436951.02	11N	12
GFL015 16+25E	Mp-Am	2012	8/12/2012	MAP	557754.64	5436953.9	11N	
GFL015 16+50E	Mp-Am	2012	8/12/2012	MAP	557776.64	5436956.77	11N	
GFL015 16+75E	Mp-Am	2012	8/12/2012	MAP	557798.64	5436959.65	11N	
GFL015 17+00E	Mp-Am	2012	8/12/2012	MAP	557820.64	5436962.52	11N	
GFL015 17+25E	Mp-Am	2012	8/12/2012	MAP	557842.64	5436965.4	11N	
GFL015 17+50E	Mp-Am	2012	8/12/2012	MAP	557864.64	5436968.27	11N	
GFL015 17+75E	Mp-Am	2012	8/12/2012	MAP	557886.64	5436971.15	11N	
GFL015 18+00E	Mp-Am	2012	8/12/2012	GPS	557908.64	5436974.02	11N	8
GFL015 18+25E	Mp-Am	2012	8/12/2012	MAP	557933.26	5436981.65	11N	
GFL015 18+50E	Mp-Am	2012	8/12/2012	MAP	557957.89	5436989.27	11N	
GFL015 18+75E	Mp-Am	2012	8/12/2012	MAP	557982.51	5436996.9	11N	
GFL015 19+00E	Mp-Am	2012	8/12/2012	MAP	558007.14	5437004.52	11N	
GFL015 19+25E	Mp-Am	2012	8/12/2012	MAP	558031.76	5437012.15	11N	
GFL015 19+50E	Mp-Am	2012	8/12/2012	MAP	558056.39	5437019.77	11N	
GFL015 19+75E	Mp-Am	2012	8/12/2012	MAP	558081.01	5437027.4	11N	
GFL015 20+00E	Mp-Am	2012	8/12/2012	GPS	558105.64	5437035.02	11N	13
GFL015 20+25E	Mp-Am	2012	8/12/2012	MAP	558124.89	5437037.27	11N	
GFL015 20+50E	Mp-Am	2012	8/12/2012	MAP	558144.14	5437039.52	11N	
GFL015 20+75E	Mp-Am	2012	8/12/2012	MAP	558163.39	5437041.77	11N	
GFL015 21+00E	Mp-Am	2012	8/12/2012	MAP	558182.64	5437044.02	11N	
GFL015 21+25E	Mp-Am	2012	8/12/2012	MAP	558201.89	5437046.27	11N	
GFL015 21+50E	Mp-Am	2012	8/12/2012	MAP	558221.14	5437048.52	11N	
GFL015 21+75E	Mp-Am	2012	8/12/2012	MAP	558240.39	5437050.77	11N	
GFL015 22+00E	Mp-Am	2012	8/12/2012	GPS	558259.64	5437053.02	11N	13
GFL015 22+25E	Mp-Am	2012	8/12/2012	MAP	558286.14	5437059.77	11N	
GFL015 22+50E	Mp-Am	2012	8/12/2012	MAP	558312.64	5437066.52	11N	
GFL015 22+75E	Mp-Am	2012	8/12/2012	MAP	558339.14	5437073.27	11N	
GFL015 23+00E	Mp-Am	2012	8/12/2012	MAP	558365.64	5437080.02	11N	
GFL015 23+25E	Mp-Am	2012	8/12/2012	MAP	558392.14	5437086.77	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
GFL015 23+50E	Mp-Am	2012	8/12/2012	MAP	558418.64	5437093.52	11N	
GFL015 23+75E	Mp-Am	2012	8/12/2012	MAP	558445.14	5437100.27	11N	
GFL015 24+00E	Mp-Am	2012	8/12/2012	GPS	558471.28	5437107.04	11N	6
GFL015 24+25E	Mp-Am	2012	8/12/2012	MAP	558495.95	5437107.79	11N	
GFL015 24+50E	Mp-Am	2012	8/12/2012	MAP	558520.62	5437108.54	11N	
GFL015 24+75E	Mp-Am	2012	8/12/2012	MAP	558545.29	5437109.29	11N	
GFL015 25+00E	Mp-Am	2012	8/12/2012	MAP	558569.96	5437110.03	11N	
GFL015 25+25E	Mp-Am	2012	8/12/2012	GPS	558594.63	5437110.78	11N	1
GFL015 25+50E	Mp-Am	2012	8/13/2012	MAP	558619.42	5437111.32	11N	
GFL015 25+75E	Mp-Am	2012	8/13/2012	MAP	558643.97	5437112.28	11N	
GFL015 26+00E	Mp-Am	2012	8/13/2012	GPS	558668.64	5437113.02	11N	8
GFL015 26+25E	Mp-Am	2012	8/13/2012	MAP	558688.76	5437117.65	11N	
GFL015 26+50E	Mp-Am	2012	8/13/2012	MAP	558708.89	5437122.27	11N	
GFL015 26+75E	Mp-Am	2012	8/13/2012	MAP	558729.01	5437126.9	11N	
GFL015 27+00E	Mp-Am	2012	8/13/2012	MAP	558749.14	5437131.52	11N	
GFL015 27+25E	Mp-Am	2012	8/13/2012	MAP	558769.26	5437136.15	11N	
GFL015 27+50E	Mp-Am	2012	8/13/2012	MAP	558789.39	5437140.77	11N	
GFL015 27+75E	Mp-Am	2012	8/13/2012	MAP	558809.51	5437145.4	11N	
GFL015 28+00E	Mp-Am	2012	8/13/2012	GPS	558829.64	5437150.02	11N	7
GFL015 28+25E	Mp-Am	2012	8/13/2012	MAP	558851.01	5437155.65	11N	
GFL015 28+50E	Mp-Am	2012	8/13/2012	MAP	558872.39	5437161.27	11N	
GFL015 28+75E	Mp-Am	2012	8/13/2012	MAP	558893.76	5437166.9	11N	
GFL015 29+00E	Mp-Am	2012	8/13/2012	MAP	558915.14	5437172.52	11N	
GFL015 29+25E	Mp-Am	2012	8/13/2012	MAP	558936.51	5437178.15	11N	
GFL015 29+50E	Mp-Am	2012	8/13/2012	MAP	558957.89	5437183.77	11N	
GFL015 29+75E	Mp-Am	2012	8/13/2012	MAP	558979.26	5437189.4	11N	
GFL015 30+00E	Mp-Am	2012	8/13/2012	GPS	559000.64	5437195.02	11N	11
GFL015 30+25E	Mp-Am	2012	8/13/2012	MAP	559020.64	5437198.52	11N	
GFL015 30+50E	Mp-Am	2012	8/13/2012	MAP	559040.64	5437202.02	11N	
GFL015 30+75E	Mp-Am	2012	8/13/2012	MAP	559060.64	5437205.52	11N	
GFL015 31+00E	Mp-Am	2012	8/13/2012	MAP	559080.64	5437209.02	11N	
GFL015 31+25E	Mp-Am	2012	8/13/2012	MAP	559100.64	5437212.52	11N	
GFL015 31+50E	Mp-Am	2012	8/13/2012	MAP	559120.63	5437216.02	11N	
GFL015 31+75E	Mp-Am	2012	8/13/2012	MAP	559140.63	5437219.52	11N	
GFL015 32+00E	Mp-Am	2012	8/13/2012	GPS	559160.63	5437223.02	11N	12
GFL015 32+25E	Mp-Am	2012	8/13/2012	MAP	559188.38	5437234.65	11N	
GFL015 32+50E	Mp-Am	2012	8/13/2012	MAP	559216.13	5437246.27	11N	
GFL015 32+75E	Mp-Am	2012	8/13/2012	MAP	559243.88	5437257.9	11N	
GFL015 33+00E	Mp-Am	2012	8/13/2012	MAP	559271.63	5437269.52	11N	
GFL015 33+25E	Mp-Am	2012	8/13/2012	MAP	559299.38	5437281.15	11N	
GFL015 33+50E	Mp-Am	2012	8/13/2012	MAP	559327.13	5437292.77	11N	
GFL015 33+75E	Mp-Am	2012	8/13/2012	MAP	559354.88	5437304.4	11N	
GFL015 34+00E	Mp-Am	2012	8/13/2012	GPS	559382.63	5437316.02	11N	8
GFL015 34+25E	Mp-Am	2012	8/13/2012	MAP	559407.38	5437316.02	11N	
GFL015 34+50E	Mp-Am	2012	8/13/2012	MAP	559432.13	5437316.02	11N	
GFL015 34+75E	Mp-Am	2012	8/13/2012	MAP	559456.88	5437316.02	11N	
GFL015 35+00E	Mp-Am	2012	8/13/2012	MAP	559481.63	5437316.02	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
GFL015 35+25E	Mp-Am	2012	8/13/2012	MAP	559506.38	5437316.02	11N	
GFL015 35+50E	Mp-Am	2012	8/13/2012	MAP	559531.13	5437316.02	11N	
GFL015 35+75E	Mp-Am	2012	8/13/2012	MAP	559555.88	5437316.02	11N	
GFL015 36+00E	Mp-Am	2012	8/13/2012	GPS	559580.63	5437316.02	11N	9
GFL015 36+25E	Mp-Am	2012	8/13/2012	MAP	559604.38	5437320.4	11N	
GFL015 36+50E	Mp-Am	2012	8/13/2012	MAP	559628.13	5437324.77	11N	
GFL015 36+75E	Mp-Am	2012	8/13/2012	MAP	559651.88	5437329.15	11N	
GFL015 37+00E	Mp-Am	2012	8/13/2012	MAP	559675.63	5437333.52	11N	
GFL015 37+25E	Mp-Am	2012	8/13/2012	MAP	559699.38	5437337.9	11N	
GFL015 37+50E	Mp-Am	2012	8/13/2012	MAP	559723.13	5437342.27	11N	
GFL015 37+75E	Mp-Am	2012	8/13/2012	MAP	559746.88	5437346.65	11N	
GFL015 38+00E	Mp-Am	2012	8/13/2012	GPS	559770.63	5437351.02	11N	5
GFL015 38+25E	Mp-Am	2012	8/15/2012	MAP	559793.88	5437354.77	11N	
GFL015 38+50E	Mp-Am	2012	8/15/2012	MAP	559817.13	5437358.52	11N	
GFL015 38+75E	Mp-Am	2012	8/15/2012	MAP	559840.38	5437362.27	11N	
GFL015 39+00E	Mp-Am	2012	8/15/2012	MAP	559863.63	5437366.02	11N	
GFL015 39+25E	Mp-Am	2012	8/15/2012	MAP	559886.88	5437369.77	11N	
GFL015 39+50E	Mp-Am	2012	8/15/2012	MAP	559910.13	5437373.52	11N	
GFL015 39+75E	Mp-Am	2012	8/15/2012	MAP	559933.38	5437377.27	11N	
GFL015 40+00E	Mp-Am	2012	8/15/2012	GPS	559956.63	5437381.02	11N	9
GFL015 40+25E	Mp-Am	2012	8/15/2012	MAP	559980.51	5437378.52	11N	
GFL015 40+50E	Mp-Am	2012	8/15/2012	MAP	560004.38	5437376.02	11N	
GFL015 40+75E	Mp-Am	2012	8/15/2012	MAP	560028.26	5437373.52	11N	
GFL015 41+00E	Mp-Cm	2012	8/15/2012	MAP	560052.13	5437371.02	11N	
GFL015 41+25E	Mp-Cm	2012	8/15/2012	MAP	560076.01	5437368.52	11N	
GFL015 41+50E	Mp-Cm	2012	8/15/2012	MAP	560099.88	5437366.02	11N	
GFL015 41+75E	Mp-Cm	2012	8/15/2012	MAP	560123.76	5437363.52	11N	
GFL015 42+00E	Mp-Cm	2012	8/15/2012	GPS	560147.63	5437361.02	11N	8
GFL016 00+00	Mp-Am	2012	8/14/2012	MAP	556256.65	5436320.02	11N	
GFL016 00+25E	Mp-M	2012	8/14/2012	MAP	556282.15	5436320.52	11N	
GFL016 00+50E	Mp-M	2012	8/14/2012	MAP	556307.64	5436321.02	11N	
GFL016 00+75E	Mp-Am	2012	8/14/2012	MAP	556333.14	5436321.52	11N	
GFL016 01+00E	Mp-Am	2012	8/14/2012	MAP	556358.64	5436322.02	11N	
GFL016 01+25E	Mp-Am	2012	8/14/2012	MAP	556384.14	5436322.52	11N	
GFL016 01+50E	Mp-Am	2012	8/14/2012	MAP	556409.64	5436323.02	11N	
GFL016 01+75E	Mp-Am	2012	8/14/2012	MAP	556435.14	5436323.52	11N	
GFL016 02+00E	Mp-Am	2012	8/14/2012	MAP	556460.64	5436324.02	11N	
GFL016 02+25E	Mp-Am	2012	8/14/2012	MAP	556484.14	5436330.65	11N	
GFL016 02+50E	Mp-Am	2012	8/14/2012	MAP	556507.64	5436337.27	11N	
GFL016 02+75E	Mp-Am	2012	8/14/2012	MAP	556531.14	5436343.9	11N	
GFL016 03+00E	Mp-Am	2012	8/14/2012	MAP	556554.64	5436350.52	11N	
GFL016 03+25E	Mp-Am	2012	8/14/2012	MAP	556578.14	5436357.15	11N	
GFL016 03+50E	Mp-Am	2012	8/14/2012	MAP	556601.64	5436363.77	11N	
GFL016 03+75E	Mp-Am	2012	8/14/2012	MAP	556625.14	5436370.4	11N	
GFL016 04+00E	Mp-Am	2012	8/14/2012	MAP	556648.64	5436377.02	11N	
GFL016 04+25E	Mp-Am	2012	8/14/2012	MAP	556669.89	5436373.02	11N	
GFL016 04+50E	Mp-Am	2012	8/14/2012	MAP	556691.14	5436369.02	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
GFL016 04+75E	Mp-Am	2012	8/14/2012	MAP	556712.39	5436365.02	11N	
GFL016 05+00E	Mp-Am	2012	8/14/2012	MAP	556733.64	5436361.02	11N	
GFL016 05+25E	Mp-Am	2012	8/14/2012	MAP	556754.89	5436357.02	11N	
GFL016 05+50E	Mp-Am	2012	8/14/2012	MAP	556776.14	5436353.02	11N	
GFL016 05+75E	Mp-Am	2012	8/14/2012	MAP	556797.39	5436349.02	11N	
GFL016 06+00E	Mp-Am	2012	8/14/2012	MAP	556818.64	5436345.02	11N	
GFL016 06+25E	Mp-Am	2012	8/14/2012	MAP	556846.39	5436348.4	11N	
GFL016 06+50E	Mp-Am	2012	8/14/2012	MAP	556874.14	5436351.77	11N	
GFL016 06+75E	Mp-Am	2012	8/14/2012	MAP	556901.89	5436355.15	11N	
GFL016 07+00E	Mp-Am	2012	8/14/2012	MAP	556929.64	5436358.52	11N	
GFL016 07+25E	Mp-Am	2012	8/15/2012	MAP	556957.39	5436361.9	11N	
GFL016 07+50E	Mp-Am	2012	8/15/2012	MAP	556985.14	5436365.27	11N	
GFL016 07+75E	Mp-Am	2012	8/15/2012	MAP	557012.89	5436368.65	11N	
GFL016 08+00E	Mp-Am	2012	8/15/2012	MAP	557040.64	5436372.02	11N	
GFL016 08+25E	Mp-Am	2012	8/15/2012	MAP	557069.64	5436379.4	11N	
GFL016 08+50E	Mp-Am	2012	8/15/2012	MAP	557098.64	5436386.77	11N	
GFL016 08+75E	Mp-Am	2012	8/15/2012	MAP	557127.64	5436394.15	11N	
GFL016 09+00E	Mp-Am	2012	8/15/2012	MAP	557156.64	5436401.52	11N	
GFL016 09+25E	Mp-Am	2012	8/15/2012	MAP	557185.64	5436408.9	11N	
GFL016 09+50E	Mp-Am	2012	8/15/2012	MAP	557214.64	5436416.27	11N	
GFL016 09+75E	Mp-Am	2012	8/15/2012	MAP	557243.64	5436423.65	11N	
GFL016 10+00E	Mp-Am	2012	8/15/2012	MAP	557272.64	5436431.02	11N	
GFL016 10+25E	Mp-Am	2012	8/15/2012	MAP	557298.64	5436436.4	11N	
GFL016 10+50E	Mp-Am	2012	8/15/2012	MAP	557324.64	5436441.77	11N	
GFL016 10+75E	Mp-Am	2012	8/15/2012	MAP	557350.64	5436447.15	11N	
GFL016 11+00E	Mp-Am	2012	8/15/2012	MAP	557376.64	5436452.52	11N	
GFL016 11+25E	Mp-Am	2012	8/15/2012	MAP	557402.64	5436457.9	11N	
GFL016 11+50E	Mp-Am	2012	8/15/2012	MAP	557428.64	5436463.27	11N	
GFL016 11+75E	Mp-Am	2012	8/15/2012	MAP	557454.64	5436468.65	11N	
GFL016 12+00E	Mp-Am	2012	8/15/2012	MAP	557480.64	5436474.02	11N	
GFL016 12+25E	Mp-Am	2012	8/15/2012	MAP	557511.89	5436478.4	11N	
GFL016 12+50E	Mp-Am	2012	8/15/2012	MAP	557543.14	5436482.77	11N	
GFL016 12+75E	Mp-Am	2012	8/15/2012	MAP	557574.39	5436487.15	11N	
GFL016 13+00E	Mp-Am	2012	8/15/2012	MAP	557605.64	5436491.52	11N	
GFL016 13+25E	Mp-Am	2012	8/15/2012	MAP	557636.89	5436495.9	11N	
GFL016 13+50E	Mp-Am	2012	8/15/2012	MAP	557668.14	5436500.27	11N	
GFL016 13+75E	Mp-Am	2012	8/15/2012	MAP	557699.39	5436504.65	11N	
GFL016 14+00E	Mp-Am	2012	8/15/2012	MAP	557730.64	5436509.02	11N	
GFL016 14+25E	Mp-Am	2012	8/15/2012	MAP	557758.89	5436514.9	11N	
GFL016 14+50E	Mp-Am	2012	8/15/2012	MAP	557787.14	5436520.77	11N	
GFL016 14+75E	Mp-Am	2012	8/15/2012	MAP	557815.39	5436526.65	11N	
GFL016 15+00E	Mp-Am	2012	8/15/2012	MAP	557843.64	5436532.52	11N	
GFL016 15+25E	Mp-Am	2012	8/15/2012	MAP	557871.89	5436538.4	11N	
GFL016 15+50E	Mp-Am	2012	8/15/2012	MAP	557900.14	5436544.27	11N	
GFL016 15+75E	Mp-Am	2012	8/15/2012	MAP	557928.39	5436550.15	11N	
GFL016 16+00E	Mp-Am	2012	8/15/2012	MAP	557956.28	5436556.04	11N	
GFL016 16+25E	Mp-Am	2012	8/15/2012	MAP	557981.7	5436557.67	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
GFL016 16+50E	Mp-Am	2012	8/15/2012	MAP	558007.12	5436559.29	11N	
GFL016 16+75E	Mp-Am	2012	8/15/2012	MAP	558032.54	5436560.91	11N	
GFL016 17+00E	Mp-Am	2012	8/15/2012	MAP	558057.96	5436562.53	11N	
GFL016 17+25E	Mp-Am	2012	8/17/2012	MAP	558083.38	5436564.16	11N	
GFL016 17+50E	Mp-Am	2012	8/17/2012	MAP	558108.8	5436565.78	11N	
GFL016 17+75E	Mp-Am	2012	8/17/2012	MAP	558134.22	5436567.4	11N	
GFL016 18+00E	Mp-Am	2012	8/17/2012	MAP	558159.64	5436569.02	11N	
GFL016 18+25E	Mp-Am	2012	8/17/2012	MAP	558184.51	5436571.9	11N	
GFL016 18+50E	Mp-Am	2012	8/17/2012	MAP	558209.39	5436574.77	11N	
GFL016 18+75E	Mp-Am	2012	8/17/2012	MAP	558234.26	5436577.65	11N	
GFL016 19+00E	Mp-Am	2012	8/17/2012	MAP	558259.14	5436580.52	11N	
GFL016 19+25E	Mp-Am	2012	8/17/2012	MAP	558284.01	5436583.4	11N	
GFL016 19+50E	Mp-Am	2012	8/17/2012	MAP	558308.89	5436586.27	11N	
GFL016 19+75E	Mp-Am	2012	8/17/2012	MAP	558333.76	5436589.15	11N	
GFL016 20+00E	Mp-Am	2012	8/17/2012	MAP	558358.64	5436592.02	11N	
GFL016 20+25E	Mp-Am	2012	8/17/2012	MAP	558387.01	5436599.15	11N	
GFL016 20+50E	Mp-Am	2012	8/17/2012	MAP	558415.39	5436606.27	11N	
GFL016 20+75E	Mp-Am	2012	8/17/2012	MAP	558443.76	5436613.4	11N	
GFL016 21+00E	Mp-Am	2012	8/17/2012	MAP	558472.14	5436620.52	11N	
GFL016 21+25E	Mp-Am	2012	8/17/2012	MAP	558500.51	5436627.65	11N	
GFL016 21+50E	Mp-Am	2012	8/17/2012	MAP	558528.89	5436634.77	11N	
GFL016 21+75E	Mp-Am	2012	8/17/2012	MAP	558557.26	5436641.9	11N	
GFL016 22+00E	Mp-Am	2012	8/17/2012	MAP	558585.64	5436649.02	11N	
GFL016 22+25E	Mp-Am	2012	8/17/2012	MAP	558609.14	5436660.65	11N	
GFL016 22+50E	Mp-Am	2012	8/17/2012	MAP	558632.64	5436672.27	11N	
GFL016 22+75E	Mp-Am	2012	8/17/2012	MAP	558656.14	5436683.9	11N	
GFL016 23+00E	Mp-Am	2012	8/17/2012	MAP	558679.64	5436695.52	11N	
GFL016 23+25E	Mp-Am	2012	8/17/2012	MAP	558703.14	5436707.15	11N	
GFL016 23+50E	Mp-Am	2012	8/17/2012	MAP	558726.64	5436718.77	11N	
GFL016 23+75E	Mp-Am	2012	8/17/2012	MAP	558750.14	5436730.4	11N	
GFL016 24+00E	Mp-Am	2012	8/17/2012	MAP	558773.64	5436742.02	11N	
GFL016 24+25E	Mp-Am	2012	8/17/2012	MAP	558796.89	5436755.15	11N	
GFL016 24+50E	Mp-Am	2012	8/17/2012	MAP	558820.14	5436768.27	11N	
GFL016 24+75E	Mp-Am	2012	8/17/2012	MAP	558843.39	5436781.4	11N	
GFL016 25+00E	Mp-Am	2012	8/17/2012	MAP	558866.64	5436794.52	11N	
GFL016 25+25E	Mp-Am	2012	8/17/2012	MAP	558889.89	5436807.65	11N	
GFL016 25+50E	Mp-Am	2012	8/17/2012	MAP	558913.14	5436820.77	11N	
GFL016 25+75E	Mp-Am	2012	8/17/2012	MAP	558936.39	5436833.9	11N	
GFL016 26+00E	Mp-Am	2012	8/17/2012	MAP	558959.64	5436847.02	11N	
GFL016 26+25E	Mp-M	2012	8/17/2012	MAP	558988.01	5436847.9	11N	
GFL016 26+50E	Mp-M	2012	8/17/2012	MAP	559016.39	5436848.77	11N	
GFL016 26+75E	Mp-Am	2012	8/17/2012	MAP	559044.76	5436849.65	11N	
GFL016 27+00E	Mp-Am	2012	8/17/2012	MAP	559073.14	5436850.52	11N	
GFL016 27+25E	Mp-Am	2012	8/17/2012	MAP	559101.51	5436851.4	11N	
GFL016 27+50E	Mp-Am	2012	8/17/2012	MAP	559129.89	5436852.27	11N	
GFL016 27+75E	Mp-Am	2012	8/17/2012	MAP	559158.26	5436853.15	11N	
GFL016 28+00E	Mp-Am	2012	8/17/2012	MAP	559186.63	5436854.02	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
GFL016 28+25E	Mp-Am	2012	8/18/2012	MAP	559206.68	5436862.77	11N	
GFL016 28+50E	Mp-Am	2012	8/18/2012	MAP	559226.72	5436871.51	11N	
GFL016 28+75E	Mp-Am	2012	8/18/2012	MAP	559246.77	5436880.26	11N	
GFL016 29+00E	Mp-Am	2012	8/18/2012	MAP	559266.81	5436889.01	11N	
GFL016 29+25E	Mp-Am	2012	8/18/2012	MAP	559286.86	5436897.76	11N	
GFL016 29+50E	Mp-Am	2012	8/18/2012	MAP	559306.91	5436906.5	11N	
GFL016 29+75E	Mp-Am	2012	8/18/2012	MAP	559326.95	5436915.25	11N	
GFL016 30+00E	Mp-Am	2012	8/18/2012	MAP	559347	5436924	11N	
GFL016 30+25E	Mp-Am	2012	8/18/2012	MAP	559373.25	5436924.38	11N	
GFL016 30+50E	Mp-Am	2012	8/18/2012	MAP	559399.5	5436924.75	11N	
GFL016 30+75E	Mp-Am	2012	8/18/2012	MAP	559425.75	5436925.13	11N	
GFL016 31+00E	Mp-Am	2012	8/18/2012	MAP	559452	5436925.5	11N	
GFL016 31+25E	Mp-Am	2012	8/18/2012	MAP	559478.25	5436925.88	11N	
GFL016 31+50E	Mp-Am	2012	8/18/2012	MAP	559504.5	5436926.25	11N	
GFL016 31+75E	Mp-Am	2012	8/18/2012	MAP	559530.75	5436926.63	11N	
GFL016 32+00E	Mp-Am	2012	8/18/2012	MAP	559557	5436927	11N	
GFL016 32+25E	Mp-Am	2012	8/18/2012	MAP	559583.13	5436930.13	11N	
GFL016 32+50E	Mp-Am	2012	8/18/2012	MAP	559609.25	5436933.25	11N	
GFL016 32+75E	Mp-Am	2012	8/18/2012	MAP	559635.38	5436936.38	11N	
GFL016 33+00E	Mp-Am	2012	8/18/2012	MAP	559661.5	5436939.5	11N	
GFL016 33+25E	Mp-Am	2012	8/18/2012	MAP	559687.63	5436942.63	11N	
GFL016 33+50E	Mp-Am	2012	8/18/2012	MAP	559713.75	5436945.75	11N	
GFL016 33+75E	Mp-Am	2012	8/18/2012	MAP	559739.88	5436948.88	11N	
GFL016 34+00E	Mp-Am	2012	8/18/2012	MAP	559766	5436952	11N	
GFL016 34+25E	Mp-Am	2012	8/18/2012	MAP	559788.88	5436956.63	11N	
GFL016 34+50E	Mp-Am	2012	8/18/2012	MAP	559811.75	5436961.25	11N	
GFL016 34+75E	Mp-Am	2012	8/18/2012	MAP	559834.63	5436965.88	11N	
GFL016 35+00E	Mp-Am	2012	8/18/2012	MAP	559857.5	5436970.5	11N	
GFL016 35+25E	Mp-Am	2012	8/18/2012	MAP	559880.38	5436975.13	11N	
GFL016 35+50E	Mp-Am	2012	8/18/2012	MAP	559903.25	5436979.75	11N	
GFL016 35+75E	Mp-Am	2012	8/18/2012	MAP	559926.13	5436984.38	11N	
GFL016 36+00E	Mp-Am	2012	8/18/2012	MAP	559949	5436989	11N	
GFL016 36+25E	Mp-Am	2012	8/18/2012	MAP	559978.5	5436994	11N	
GFL016 36+50E	Mp-Am	2012	8/18/2012	MAP	560008	5436999	11N	
GFL016 36+75E	Mp-Cm	2012	8/18/2012	MAP	560037.5	5437004	11N	
GFL016 37+00E	Mp-Cm	2012	8/18/2012	MAP	560067	5437009	11N	
GFL016 37+25E	Mp-Cm	2012	8/18/2012	MAP	560096.5	5437014	11N	
GFL016 37+50E	Mp-Cm	2012	8/18/2012	MAP	560126	5437019	11N	
GFL016 37+75E	Mp-Cm	2012	8/18/2012	MAP	560155.5	5437024	11N	
GFL016 38+00E	Mp-Cm	2012	8/18/2012	MAP	560185	5437029	11N	
GFL017 00+00	Mp-M	2012	8/14/2012	GPS	556324.64	5435928.02	11N	5
GFL017 00+25E	Mp-M	2012	8/14/2012	MAP	556348.27	5435930.9	11N	
GFL017 00+50E	Mp-M	2012	8/14/2012	MAP	556371.89	5435933.77	11N	
GFL017 00+75E	Mp-Am	2012	8/14/2012	MAP	556395.52	5435936.65	11N	
GFL017 01+00E	Mp-Am	2012	8/14/2012	MAP	556419.14	5435939.52	11N	
GFL017 01+25E	Mp-Am	2012	8/14/2012	MAP	556442.77	5435942.4	11N	
GFL017 01+50E	Mp-Am	2012	8/14/2012	MAP	556466.39	5435945.27	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
GFL017 01+75E	Mp-Am	2012	8/14/2012	MAP	556490.02	5435948.15	11N	
GFL017 02+00E	Mp-Am	2012	8/14/2012	GPS	556513.64	5435951.02	11N	9
GFL017 02+25E	Mp-Am	2012	8/14/2012	MAP	556535.89	5435961.52	11N	
GFL017 02+50E	Mp-Am	2012	8/14/2012	MAP	556558.14	5435972.02	11N	
GFL017 02+75E	Mp-Am	2012	8/14/2012	MAP	556580.39	5435982.52	11N	
GFL017 03+00E	Mp-Am	2012	8/14/2012	MAP	556602.64	5435993.02	11N	
GFL017 03+25E	Mp-Am	2012	8/14/2012	MAP	556624.89	5436003.52	11N	
GFL017 03+50E	Mp-Am	2012	8/14/2012	MAP	556647.14	5436014.02	11N	
GFL017 03+75E	Mp-Am	2012	8/14/2012	MAP	556669.39	5436024.52	11N	
GFL017 04+00E	Mp-Am	2012	8/14/2012	GPS	556691.64	5436035.02	11N	5
GFL017 04+25E	Mp-Am	2012	8/14/2012	MAP	556716.27	5436040.27	11N	
GFL017 04+50E	Mp-Am	2012	8/14/2012	MAP	556740.89	5436045.52	11N	
GFL017 04+75E	Mp-Am	2012	8/14/2012	MAP	556765.52	5436050.77	11N	
GFL017 05+00E	Mp-Am	2012	8/14/2012	MAP	556790.14	5436056.02	11N	
GFL017 05+25E	Mp-Am	2012	8/14/2012	MAP	556814.77	5436061.27	11N	
GFL017 05+50E	Mp-Am	2012	8/14/2012	MAP	556839.39	5436066.52	11N	
GFL017 05+75E	Mp-Am	2012	8/14/2012	MAP	556864.02	5436071.77	11N	
GFL017 06+00E	Mp-Am	2012	8/14/2012	GPS	556888.64	5436077.02	11N	7
GFL017 06+25E	Mp-Am	2012	8/14/2012	MAP	556911.02	5436085.4	11N	
GFL017 06+50E	Mp-Am	2012	8/14/2012	MAP	556933.39	5436093.77	11N	
GFL017 06+75E	Mp-Am	2012	8/14/2012	MAP	556955.77	5436102.15	11N	
GFL017 07+00E	Mp-Am	2012	8/14/2012	MAP	556978.14	5436110.52	11N	
GFL017 07+25E	Mp-Am	2012	8/14/2012	MAP	557000.52	5436118.9	11N	
GFL017 07+50E	Mp-Am	2012	8/14/2012	MAP	557022.89	5436127.27	11N	
GFL017 07+75E	Mp-Am	2012	8/14/2012	MAP	557045.27	5436135.65	11N	
GFL017 08+00E	Mp-Am	2012	8/14/2012	GPS	557067.64	5436144.02	11N	1
GFL017 08+25E	Mp-Am	2012	8/14/2012	MAP	557095.52	5436141.4	11N	
GFL017 08+50E	Mp-Am	2012	8/14/2012	MAP	557123.39	5436138.77	11N	
GFL017 08+75E	Mp-Am	2012	8/14/2012	MAP	557151.27	5436136.15	11N	
GFL017 09+00E	Mp-Am	2012	8/14/2012	MAP	557179.14	5436133.52	11N	
GFL017 09+25E	Mp-Am	2012	8/14/2012	MAP	557207.02	5436130.9	11N	
GFL017 09+50E	Mp-Am	2012	8/14/2012	NO SAMPLE	557234.89	5436128.27	11N	
GFL017 09+75E	Mp-Am	2012	8/14/2012	MAP	557262.77	5436125.65	11N	
GFL017 10+00E	Mp-Am	2012	8/14/2012	GPS	557290.28	5436123.04	11N	8
GFL017 10+25E	Mp-Am	2012	8/14/2012	MAP	557315.95	5436126.92	11N	
GFL017 10+50E	Mp-Am	2012	8/16/2012	MAP	557341.62	5436130.79	11N	
GFL017 10+75E	Mp-Am	2012	8/16/2012	MAP	557367.29	5436134.66	11N	
GFL017 11+00E	Mp-Am	2012	8/16/2012	MAP	557392.96	5436138.53	11N	
GFL017 11+25E	Mp-Am	2012	8/16/2012	MAP	557418.63	5436142.41	11N	
GFL017 11+50E	Mp-Am	2012	8/16/2012	MAP	557444.3	5436146.28	11N	
GFL017 11+75E	Mp-Am	2012	8/16/2012	MAP	557469.97	5436150.15	11N	
GFL017 12+00E	Mp-Am	2012	8/16/2012	GPS	557495.64	5436154.02	11N	6
GFL017 12+25E	Mp-Am	2012	8/16/2012	MAP	557520.89	5436157.27	11N	
GFL017 12+50E	Mp-Am	2012	8/16/2012	MAP	557546.14	5436160.52	11N	
GFL017 12+75E	Mp-Am	2012	8/16/2012	MAP	557571.39	5436163.77	11N	
GFL017 13+00E	Mp-Am	2012	8/16/2012	MAP	557596.64	5436167.02	11N	
GFL017 13+25E	Mp-Am	2012	8/16/2012	MAP	557621.89	5436170.27	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
GFL017 13+50E	Mp-Am	2012	8/16/2012	MAP	557647.14	5436173.52	11N	
GFL017 13+75E	Mp-Am	2012	8/16/2012	MAP	557672.39	5436176.77	11N	
GFL017 14+00E	Mp-Am	2012	8/16/2012	GPS	557697.64	5436180.02	11N	4
GFL017 14+25E	Mp-Am	2012	8/16/2012	MAP	557722.14	5436184.77	11N	
GFL017 14+50E	Mp-Am	2012	8/16/2012	MAP	557746.64	5436189.52	11N	
GFL017 14+75E	Mp-Am	2012	8/16/2012	MAP	557771.14	5436194.27	11N	
GFL017 15+00E	Mp-Am	2012	8/16/2012	MAP	557795.64	5436199.02	11N	
GFL017 15+25E	Mp-Am	2012	8/16/2012	MAP	557820.14	5436203.77	11N	
GFL017 15+50E	Mp-Am	2012	8/16/2012	MAP	557844.64	5436208.52	11N	
GFL017 15+75E	Mp-Am	2012	8/16/2012	MAP	557869.14	5436213.27	11N	
GFL017 16+00E	Mp-Am	2012	8/16/2012	GPS	557893.64	5436218.02	11N	12
GFL017 16+25E	Mp-Am	2012	8/16/2012	MAP	557916.01	5436220.52	11N	
GFL017 16+50E	Mp-Am	2012	8/16/2012	MAP	557938.39	5436223.02	11N	
GFL017 16+75E	Mp-Am	2012	8/16/2012	MAP	557960.76	5436225.52	11N	
GFL017 17+00E	Mp-Am	2012	8/16/2012	MAP	557983.14	5436228.02	11N	
GFL017 17+25E	Mp-Am	2012	8/16/2012	MAP	558005.51	5436230.52	11N	
GFL017 17+50E	Mp-Am	2012	8/16/2012	MAP	558027.89	5436233.02	11N	
GFL017 17+75E	Mp-Am	2012	8/16/2012	MAP	558050.26	5436235.52	11N	
GFL017 18+00E	Mp-Am	2012	8/16/2012	GPS	558072.64	5436238.02	11N	4
GFL017 18+25E	Mp-Am	2012	8/16/2012	MAP	558096.89	5436242.27	11N	
GFL017 18+50E	Mp-Am	2012	8/16/2012	MAP	558121.14	5436246.52	11N	
GFL017 18+75E	Mp-Am	2012	8/16/2012	MAP	558145.39	5436250.77	11N	
GFL017 19+00E	Mp-Am	2012	8/16/2012	MAP	558169.64	5436255.02	11N	
GFL017 19+25E	Mp-Am	2012	8/16/2012	MAP	558193.89	5436259.27	11N	
GFL017 19+50E	Mp-Am	2012	8/16/2012	MAP	558218.14	5436263.52	11N	
GFL017 19+75E	Mp-Am	2012	8/16/2012	MAP	558242.39	5436267.77	11N	
GFL017 20+00E	Mp-Am	2012	8/16/2012	GPS	558266.64	5436272.02	11N	9
GFL017 20+25E	Mp-Am	2012	8/16/2012	MAP	558292.89	5436274.77	11N	
GFL017 20+50E	Mp-Am	2012	8/16/2012	MAP	558319.14	5436277.52	11N	
GFL017 20+75E	Mp-Am	2012	8/16/2012	MAP	558345.39	5436280.27	11N	
GFL017 21+00E	Mp-Am	2012	8/16/2012	MAP	558371.64	5436283.02	11N	
GFL017 21+25E	Mp-Am	2012	8/16/2012	MAP	558397.89	5436285.77	11N	
GFL017 21+50E	Mp-Am	2012	8/16/2012	MAP	558424.14	5436288.52	11N	
GFL017 21+75E	Mp-Am	2012	8/16/2012	MAP	558450.39	5436291.27	11N	
GFL017 22+00E	Mp-Am	2012	8/16/2012	GPS	558476.28	5436294.04	11N	9
GFL017 22+25E	Mp-Am	2012	8/17/2012	MAP	558500.82	5436295.17	11N	
GFL017 22+50E	Mp-Am	2012	8/17/2012	MAP	558525.37	5436296.29	11N	
GFL017 22+75E	Mp-Am	2012	8/17/2012	MAP	558549.91	5436297.41	11N	
GFL017 23+00E	Mp-Am	2012	8/17/2012	MAP	558574.46	5436298.53	11N	
GFL017 23+25E	Mp-Am	2012	8/17/2012	MAP	558599	5436299.66	11N	
GFL017 23+50E	Mp-Am	2012	8/17/2012	MAP	558623.55	5436300.78	11N	
GFL017 23+75E	Mp-Am	2012	8/17/2012	MAP	558648.09	5436301.9	11N	
GFL017 24+00E	Mp-Am	2012	8/17/2012	GPS	558672.64	5436303.02	11N	8
GFL017 24+25E	Mp-Am	2012	8/17/2012	MAP	558697.89	5436304.4	11N	
GFL017 24+50E	Mp-Am	2012	8/17/2012	MAP	558723.14	5436305.77	11N	
GFL017 24+75E	Mp-M	2012	8/17/2012	MAP	558748.39	5436307.15	11N	
GFL017 25+00E	Mp-M	2012	8/17/2012	MAP	558773.64	5436308.52	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
GFL017 25+25E	Mp-Am	2012	8/17/2012	MAP	558798.89	5436309.9	11N	
GFL017 25+50E	Mp-Am	2012	8/17/2012	MAP	558824.14	5436311.27	11N	
GFL017 25+75E	Mp-Am	2012	8/17/2012	MAP	558849.39	5436312.65	11N	
GFL017 26+00E	Mp-Am	2012	8/17/2012	GPS	558874.64	5436314.02	11N	1
GFL017 26+25E	Mp-Am	2012	8/17/2012	MAP	558901.51	5436318.9	11N	
GFL017 26+50E	Mp-Am	2012	8/17/2012	MAP	558928.39	5436323.77	11N	
GFL017 26+75E	Mp-M	2012	8/17/2012	MAP	558955.26	5436328.65	11N	
GFL017 27+00E	Mp-Am	2012	8/17/2012	MAP	558982.14	5436333.52	11N	
GFL017 27+25E	Mp-Am	2012	8/17/2012	MAP	559009.01	5436338.4	11N	
GFL017 27+50E	Mp-M	2012	8/17/2012	MAP	559035.89	5436343.27	11N	
GFL017 27+75E	Mp-M	2012	8/17/2012	MAP	559062.76	5436348.15	11N	
GFL017 28+00E	Mp-Am	2012	8/17/2012	GPS	559089.64	5436353.02	11N	8
GFL017 28+25E	Mp-Am	2012	8/17/2012	MAP	559111.64	5436359.9	11N	
GFL017 28+50E	Mp-Am	2012	8/17/2012	MAP	559133.64	5436366.77	11N	
GFL017 28+75E	Mp-Am	2012	8/17/2012	MAP	559155.63	5436373.65	11N	
GFL017 29+00E	Mp-Am	2012	8/17/2012	MAP	559177.63	5436380.52	11N	
GFL017 29+25E	Mp-Am	2012	8/17/2012	MAP	559199.63	5436387.4	11N	
GFL017 29+50E	Mp-Am	2012	8/17/2012	MAP	559221.63	5436394.27	11N	
GFL017 29+75E	Mp-Am	2012	8/17/2012	MAP	559243.63	5436401.15	11N	
GFL017 30+00E	Mp-Am	2012	8/17/2012	GPS	559265.63	5436408.02	11N	4
GFL017 30+25E	Mp-Am	2012	8/17/2012	MAP	559289.76	5436418.15	11N	
GFL017 30+50E	Mp-Am	2012	8/17/2012	MAP	559313.88	5436428.27	11N	
GFL017 30+75E	Mp-Am	2012	8/17/2012	MAP	559338.01	5436438.4	11N	
GFL017 31+00E	Mp-Am	2012	8/17/2012	MAP	559362.13	5436448.52	11N	
GFL017 31+25E	Mp-Am	2012	8/17/2012	MAP	559386.26	5436458.65	11N	
GFL017 31+50E	Mp-Am	2012	8/17/2012	MAP	559410.38	5436468.77	11N	
GFL017 31+75E	Mp-Am	2012	8/17/2012	MAP	559434.51	5436478.9	11N	
GFL017 32+00E	Mp-Am	2012	8/17/2012	GPS	559458.63	5436489.02	11N	8
GFL017 32+25E	Mp-Am	2012	8/17/2012	MAP	559484.13	5436486.52	11N	
GFL017 32+50E	Mp-Am	2012	8/17/2012	MAP	559509.63	5436484.02	11N	
GFL017 32+75E	Mp-Am	2012	8/17/2012	MAP	559535.13	5436481.52	11N	
GFL017 33+00E	Mp-Am	2012	8/17/2012	MAP	559560.63	5436479.02	11N	
GFL017 33+25E	Mp-Am	2012	8/17/2012	MAP	559586.13	5436476.52	11N	
GFL017 33+50E	Mp-Am	2012	8/17/2012	MAP	559611.63	5436474.02	11N	
GFL017 33+75E	Mp-Am	2012	8/17/2012	MAP	559637.13	5436471.52	11N	
GFL017 34+00E	Mp-Am	2012	8/17/2012	GPS	559662.63	5436469.02	11N	3
GFL017 34+25E	Mp-Am	2012	8/17/2012	MAP	559687.76	5436472.15	11N	
GFL017 34+50E	Mp-Am	2012	8/17/2012	MAP	559712.88	5436475.27	11N	
GFL017 34+75E	Mp-Am	2012	8/17/2012	MAP	559738.01	5436478.4	11N	
GFL017 35+00E	Mp-Am	2012	8/17/2012	MAP	559763.13	5436481.52	11N	
GFL017 35+25E	Mp-Am	2012	8/17/2012	MAP	559788.26	5436484.65	11N	
GFL017 35+50E	Mp-Am	2012	8/17/2012	MAP	559813.38	5436487.77	11N	
GFL017 35+75E	Mp-Am	2012	8/17/2012	MAP	559838.51	5436490.9	11N	
GFL017 36+00E	Mp-Am	2012	8/17/2012	GPS	559863.63	5436494.02	11N	3
GFL017 36+25E	Mp-Am	2012	8/17/2012	MAP	559889.76	5436502.27	11N	
GFL017 36+50E	Mp-Am	2012	8/17/2012	MAP	559915.88	5436510.52	11N	
GFL017 36+75E	Mp-Am	2012	8/17/2012	MAP	559942.01	5436518.77	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
GFL017 37+00E	Mp-Am	2012	8/17/2012	MAP	559968.13	5436527.02	11N	
GFL017 37+25E	Mp-Cm	2012	8/17/2012	MAP	559994.26	5436535.27	11N	
GFL017 37+50E	Mp-Cm	2012	8/17/2012	MAP	560020.38	5436543.52	11N	
GFL017 37+75E	Mp-Cm	2012	8/17/2012	MAP	560046.51	5436551.77	11N	
GFL017 38+00E	Mp-Cm	2012	8/17/2012	GPS	560072.63	5436560.02	11N	7
GFL018 00+00	Mp-Alr	2012	8/16/2012	GPS	556303.65	5435506.02	11N	9
GFL018 00+25E	Mp-Am	2012	8/16/2012	MAP	556328.77	5435508.02	11N	
GFL018 00+50E	Mp-Am	2012	8/16/2012	MAP	556353.89	5435510.02	11N	
GFL018 00+75E	Mp-Am	2012	8/16/2012	MAP	556379.02	5435512.02	11N	
GFL018 01+00E	Mp-M	2012	8/16/2012	MAP	556404.14	5435514.02	11N	
GFL018 01+25E	Mp-M	2012	8/16/2012	MAP	556429.27	5435516.02	11N	
GFL018 01+50E	Mp-M	2012	8/16/2012	MAP	556454.39	5435518.02	11N	
GFL018 01+75E	Mp-Am	2012	8/16/2012	MAP	556479.52	5435520.02	11N	
GFL018 02+00E	Mp-Am	2012	8/16/2012	GPS	556504.64	5435522.02	11N	11
GFL018 02+25E	Mp-Am	2012	8/16/2012	MAP	556529.14	5435527.52	11N	
GFL018 02+50E	Mp-Am	2012	8/16/2012	MAP	556553.64	5435533.02	11N	
GFL018 02+75E	Mp-Am	2012	8/16/2012	MAP	556578.14	5435538.52	11N	
GFL018 03+00E	Mp-Am	2012	8/16/2012	MAP	556602.64	5435544.02	11N	
GFL018 03+25E	Mp-Am	2012	8/16/2012	MAP	556627.14	5435549.52	11N	
GFL018 03+50E	Mp-Am	2012	8/16/2012	MAP	556651.64	5435555.02	11N	
GFL018 03+75E	Mp-Am	2012	8/16/2012	MAP	556676.14	5435560.52	11N	
GFL018 04+00E	Mp-Am	2012	8/16/2012	GPS	556700.64	5435566.02	11N	9
GFL018 04+25E	Mp-Am	2012	8/16/2012	MAP	556722.02	5435575.52	11N	
GFL018 04+50E	Mp-Am	2012	8/16/2012	MAP	556743.39	5435585.02	11N	
GFL018 04+75E	Mp-Am	2012	8/16/2012	MAP	556764.77	5435594.52	11N	
GFL018 05+00E	Mp-Am	2012	8/16/2012	MAP	556786.14	5435604.02	11N	
GFL018 05+25E	Mp-Am	2012	8/16/2012	MAP	556807.52	5435613.52	11N	
GFL018 05+50E	Mp-Am	2012	8/16/2012	MAP	556828.89	5435623.02	11N	
GFL018 05+75E	Mp-Am	2012	8/16/2012	MAP	556850.27	5435632.52	11N	
GFL018 06+00E	Mp-Am	2012	8/16/2012	GPS	556871.64	5435642.02	11N	19
GFL018 06+25E	Mp-Am	2012	8/16/2012	MAP	556899.14	5435640.65	11N	
GFL018 06+50E	Mp-Am	2012	8/16/2012	MAP	556926.64	5435639.27	11N	
GFL018 06+75E	Mp-Am	2012	8/16/2012	MAP	556954.14	5435637.9	11N	
GFL018 07+00E	Mp-Am	2012	8/16/2012	MAP	556981.64	5435636.52	11N	
GFL018 07+25E	Mp-Am	2012	8/16/2012	MAP	557009.14	5435635.15	11N	
GFL018 07+50E	Mp-Am	2012	8/16/2012	MAP	557036.64	5435633.77	11N	
GFL018 07+75E	Mp-Am	2012	8/16/2012	MAP	557064.14	5435632.4	11N	
GFL018 08+00E	Mp-Am	2012	8/16/2012	GPS	557091.64	5435631.02	11N	7
GFL018 08+25E	Mp-Am	2012	8/16/2012	MAP	557116.89	5435635.77	11N	
GFL018 08+50E	Mp-Am	2012	8/16/2012	MAP	557142.14	5435640.52	11N	
GFL018 08+75E	Mp-Am	2012	8/16/2012	MAP	557167.39	5435645.27	11N	
GFL018 09+00E	Mp-Am	2012	8/16/2012	MAP	557192.64	5435650.02	11N	
GFL018 09+25E	Mp-Am	2012	8/16/2012	MAP	557217.89	5435654.77	11N	
GFL018 09+50E	Mp-Am	2012	8/16/2012	MAP	557243.14	5435659.52	11N	
GFL018 09+75E	Mp-Am	2012	8/16/2012	MAP	557268.39	5435664.27	11N	
GFL018 10+00E	Mp-Am	2012	8/16/2012	GPS	557293.64	5435669.02	11N	12
GFL018 10+25E	Mp-Am	2012	8/16/2012	MAP	557322.64	5435669.9	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
GFL018 10+50E	Mp-Am	2012	8/16/2012	MAP	557351.64	5435670.77	11N	
GFL018 10+75E	Mp-Am	2012	8/16/2012	MAP	557380.64	5435671.65	11N	
GFL018 11+00E	Mp-Am	2012	8/16/2012	MAP	557409.64	5435672.52	11N	
GFL018 11+25E	Mp-Am	2012	8/16/2012	MAP	557438.64	5435673.4	11N	
GFL018 11+50E	Mp-Am	2012	8/16/2012	MAP	557467.64	5435674.27	11N	
GFL018 11+75E	Mp-Am	2012	8/16/2012	MAP	557496.64	5435675.15	11N	
GFL018 12+00E	Mp-Am	2012	8/16/2012	GPS	557525.64	5435676.02	11N	7
GFL018 12+25E	Mp-Am	2012	8/18/2012	MAP	557548.94	5435681.64	11N	
GFL018 12+50E	Mp-Am	2012	8/18/2012	MAP	557572.23	5435687.26	11N	
GFL018 12+75E	Mp-Am	2012	8/18/2012	MAP	557595.53	5435692.89	11N	
GFL018 13+00E	Mp-Am	2012	8/18/2012	MAP	557618.82	5435698.51	11N	
GFL018 13+25E	Mp-Am	2012	8/18/2012	MAP	557642.11	5435704.13	11N	
GFL018 13+50E	Mp-Am	2012	8/18/2012	MAP	557665.41	5435709.75	11N	
GFL018 13+75E	Mp-Am	2012	8/18/2012	MAP	557688.7	5435715.38	11N	
GFL018 14+00E	Mp-Am	2012	8/18/2012	GPS	557712	5435721	11N	8
GFL018 14+25E	Mp-Am	2012	8/18/2012	MAP	557734	5435729.25	11N	
GFL018 14+50E	Mp-Am	2012	8/18/2012	MAP	557756	5435737.5	11N	
GFL018 14+75E	Mp-Am	2012	8/18/2012	MAP	557778	5435745.75	11N	
GFL018 15+00E	Mp-Am	2012	8/18/2012	MAP	557800	5435754	11N	
GFL018 15+25E	Mp-Am	2012	8/18/2012	MAP	557822	5435762.25	11N	
GFL018 15+50E	Mp-Am	2012	8/18/2012	MAP	557844	5435770.5	11N	
GFL018 15+75E	Mp-Am	2012	8/18/2012	MAP	557866	5435778.75	11N	
GFL018 16+00E	Mp-Am	2012	8/18/2012	GPS	557888	5435787	11N	7
GFL018 16+25E	Mp-Am	2012	8/18/2012	MAP	557911.88	5435794.63	11N	
GFL018 16+50E	Mp-Am	2012	8/18/2012	MAP	557935.75	5435802.25	11N	
GFL018 16+75E	Mp-Am	2012	8/18/2012	MAP	557959.63	5435809.88	11N	
GFL018 17+00E	Mp-Am	2012	8/18/2012	MAP	557983.5	5435817.5	11N	
GFL018 17+25E	Mp-Am	2012	8/18/2012	MAP	558007.38	5435825.13	11N	
GFL018 17+50E	Mp-Am	2012	8/18/2012	MAP	558031.25	5435832.75	11N	
GFL018 17+75E	Mp-Am	2012	8/18/2012	MAP	558055.13	5435840.38	11N	
GFL018 18+00E	Mp-Am	2012	8/18/2012	GPS	558079	5435848	11N	4
GFL018 18+25E	Mp-Am	2012	8/18/2012	MAP	558101.75	5435851.25	11N	
GFL018 18+50E	Mp-Am	2012	8/18/2012	MAP	558124.5	5435854.5	11N	
GFL018 18+75E	Mp-Am	2012	8/18/2012	MAP	558147.25	5435857.75	11N	
GFL018 19+00E	Mp-Am	2012	8/18/2012	MAP	558170	5435861	11N	
GFL018 19+25E	Mp-Am	2012	8/18/2012	MAP	558192.75	5435864.25	11N	
GFL018 19+50E	Mp-Am	2012	8/18/2012	MAP	558215.5	5435867.5	11N	
GFL018 19+75E	Mp-Am	2012	8/18/2012	MAP	558238.25	5435870.75	11N	
GFL018 20+00E	Mp-Am	2012	8/18/2012	GPS	558261	5435874	11N	8
GFL018 20+25E	Mp-Am	2012	8/18/2012	MAP	558283.25	5435876.25	11N	
GFL018 20+50E	Mp-Am	2012	8/18/2012	MAP	558305.5	5435878.5	11N	
GFL018 20+75E	Mp-Am	2012	8/18/2012	MAP	558327.75	5435880.75	11N	
GFL018 21+00E	Mp-Am	2012	8/18/2012	MAP	558350	5435883	11N	
GFL018 21+25E	Mp-Am	2012	8/18/2012	MAP	558372.25	5435885.25	11N	
GFL018 21+50E	Mp-Am	2012	8/18/2012	MAP	558394.5	5435887.5	11N	
GFL018 21+75E	Mp-Am	2012	8/18/2012	MAP	558416.75	5435889.75	11N	
GFL018 22+00E	Mp-Am	2012	8/18/2012	GPS	558439	5435892	11N	5

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
GFL018 22+25E	Mp-Am	2012	8/18/2012	MAP	558461.38	5435897.88	11N	
GFL018 22+50E	Mp-Am	2012	8/18/2012	MAP	558483.75	5435903.75	11N	
GFL018 22+75E	Mp-Am	2012	8/18/2012	MAP	558506.13	5435909.63	11N	
GFL018 23+00E	Mp-Am	2012	8/18/2012	MAP	558528.5	5435915.5	11N	
GFL018 23+25E	Mp-Am	2012	8/18/2012	MAP	558550.88	5435921.38	11N	
GFL018 23+50E	Mp-Am	2012	8/18/2012	MAP	558573.25	5435927.25	11N	
GFL018 23+75E	Mp-Am	2012	8/18/2012	MAP	558595.63	5435933.13	11N	
GFL018 24+00E	Mp-Am	2012	8/18/2012	GPS	558618	5435939	11N	7
GFL018 24+25E	Mp-Am	2012	8/18/2012	MAP	558643.13	5435941.5	11N	
GFL018 24+50E	Mp-Am	2012	8/18/2012	MAP	558668.25	5435944	11N	
GFL018 24+75E	Mp-Am	2012	8/18/2012	MAP	558693.38	5435946.5	11N	
GFL018 25+00E	Mp-Am	2012	8/18/2012	MAP	558718.5	5435949	11N	
GFL018 25+25E	Mp-Am	2012	8/18/2012	MAP	558743.63	5435951.5	11N	
GFL018 25+50E	Mp-Am	2012	8/18/2012	MAP	558768.75	5435954	11N	
GFL018 25+75E	Mp-Am	2012	8/18/2012	MAP	558793.88	5435956.5	11N	
GFL018 26+00E	Mp-Am	2012	8/18/2012	GPS	558819	5435959	11N	11
GFL018 26+25E	Mp-Am	2012	8/18/2012	MAP	558841.88	5435964.5	11N	
GFL018 26+50E	Mp-M	2012	8/18/2012	MAP	558864.75	5435970	11N	
GFL018 26+75E	Mp-M	2012	8/18/2012	MAP	558887.63	5435975.5	11N	
GFL018 27+00E	Mp-Am	2012	8/18/2012	GPS	558910.5	5435981	11N	4
GFL018 27+25E	Mp-M	2012	8/19/2012	MAP	558933.38	5435986.5	11N	
GFL018 27+50E	Mp-M	2012	8/19/2012	MAP	558956.25	5435992	11N	
GFL018 27+75E	Mp-Am	2012	8/19/2012	MAP	558979.13	5435997.5	11N	
GFL018 28+00E	Mp-Am	2012	8/19/2012	GPS	559002	5436003	11N	5
GFL018 28+25E	Mp-M	2012	8/19/2012	MAP	559025.63	5436008.25	11N	
GFL018 28+50E	Mp-M	2012	8/19/2012	MAP	559049.25	5436013.5	11N	
GFL018 28+75E	Mp-Am	2012	8/19/2012	MAP	559072.88	5436018.75	11N	
GFL018 29+00E	Mp-Am	2012	8/19/2012	MAP	559096.5	5436024	11N	
GFL018 29+25E	Mp-Am	2012	8/19/2012	MAP	559120.13	5436029.25	11N	
GFL018 29+50E	Mp-Am	2012	8/19/2012	MAP	559143.75	5436034.5	11N	
GFL018 29+75E	Mp-Am	2012	8/19/2012	MAP	559167.38	5436039.75	11N	
GFL018 30+00E	Mp-Am	2012	8/19/2012	GPS	559191	5436045	11N	5
GFL018 30+25E	Mp-Am	2012	8/19/2012	MAP	559217.88	5436051.25	11N	
GFL018 30+50E	Mp-Am	2012	8/19/2012	MAP	559244.75	5436057.5	11N	
GFL018 30+75E	Mp-Am	2012	8/19/2012	MAP	559271.63	5436063.75	11N	
GFL018 31+00E	Mp-Am	2012	8/19/2012	MAP	559298.5	5436070	11N	
GFL018 31+25E	Mp-Am	2012	8/19/2012	MAP	559325.38	5436076.25	11N	
GFL018 31+50E	Mp-Am	2012	8/19/2012	MAP	559352.25	5436082.5	11N	
GFL018 31+75E	Mp-Am	2012	8/19/2012	MAP	559379.13	5436088.75	11N	
GFL018 32+00E	Mp-Am	2012	8/19/2012	GPS	559406	5436095	11N	6
GFL018 32+25E	Mp-Am	2012	8/19/2012	MAP	559427.75	5436098.88	11N	
GFL018 32+50E	Mp-Am	2012	8/19/2012	MAP	559449.5	5436102.75	11N	
GFL018 32+75E	Mp-Am	2012	8/19/2012	MAP	559471.25	5436106.63	11N	
GFL018 33+00E	Mp-Am	2012	8/19/2012	MAP	559493	5436110.5	11N	
GFL018 33+25E	Mp-Am	2012	8/19/2012	MAP	559514.75	5436114.38	11N	
GFL018 33+50E	Mp-Am	2012	8/19/2012	MAP	559536.5	5436118.25	11N	
GFL018 33+75E	Mp-Am	2012	8/19/2012	MAP	559558.25	5436122.13	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
GFL018 34+00E	Mp-Am	2012	8/19/2012	GPS	559580	5436126	11N	5
GFL018 34+25E	Mp-Am	2012	8/19/2012	MAP	559602.63	5436128.75	11N	
GFL018 34+50E	Mp-Am	2012	8/19/2012	MAP	559625.25	5436131.5	11N	
GFL018 34+75E	Mp-Am	2012	8/19/2012	MAP	559647.88	5436134.25	11N	
GFL018 35+00E	Mp-Am	2012	8/19/2012	MAP	559670.5	5436137	11N	
GFL018 35+25E	Mp-Am	2012	8/19/2012	MAP	559693.13	5436139.75	11N	
GFL018 35+50E	Mp-Am	2012	8/19/2012	MAP	559715.75	5436142.5	11N	
GFL018 35+75E	Mp-Am	2012	8/19/2012	MAP	559738.38	5436145.25	11N	
GFL018 36+00E	Mp-Am	2012	8/19/2012	GPS	559761	5436148	11N	8
GFL018 36+25E	Mp-Am	2012	8/19/2012	MAP	559785.38	5436150.63	11N	
GFL018 36+50E	Mp-Am	2012	8/19/2012	MAP	559809.75	5436153.25	11N	
GFL018 36+75E	Mp-Am	2012	8/19/2012	MAP	559834.13	5436155.88	11N	
GFL018 37+00E	Mp-Am	2012	8/19/2012	MAP	559858.5	5436158.5	11N	
GFL018 37+25E	Mp-Am	2012	8/19/2012	MAP	559882.88	5436161.13	11N	
GFL018 37+50E	Mp-Am	2012	8/19/2012	MAP	559907.25	5436163.75	11N	
GFL018 37+75E	Mp-Am	2012	8/19/2012	MAP	559931.63	5436166.38	11N	
GFL018 38+00E	Mp-Cm	2012	8/19/2012	GPS	559956	5436169	11N	7
GFL018 38+25E	Mp-Cm	2012	8/19/2012	MAP	559980.75	5436173.75	11N	
GFL018 38+50E	Mp-Cm	2012	8/19/2012	MAP	560005.5	5436178.5	11N	
GFL018 38+75E	Mp-Cm	2012	8/19/2012	MAP	560030.25	5436183.25	11N	
GFL018 39+00E	Mp-Cm	2012	8/19/2012	GPS	560055	5436188	11N	5
GFL019 00+00	Mp-Am	2012	8/20/2012	MAP	556400.04	5435123.16	11N	
GFL019 00+25E	Mp-Am	2012	8/20/2012	MAP	556425.03	5435123.64	11N	
GFL019 00+50E	Mp-Am	2012	8/20/2012	MAP	556450.03	5435124.12	11N	
GFL019 00+75E	Mp-M	2012	8/20/2012	MAP	556475.02	5435124.6	11N	
GFL019 01+00E	Mp-M	2012	8/20/2012	MAP	556500.02	5435125.08	11N	
GFL019 01+25E	Mp-Am	2012	8/20/2012	MAP	556525.01	5435125.56	11N	
GFL019 01+50E	Mp-Am	2012	8/20/2012	MAP	556550.01	5435126.04	11N	
GFL019 01+75E	Mp-Am	2012	8/20/2012	MAP	556575	5435126.52	11N	
GFL019 02+00E	Mp-Am	2012	8/20/2012	MAP	556600	5435127	11N	
GFL019 02+25E	Mp-Am	2012	8/20/2012	MAP	556626	5435128.13	11N	
GFL019 02+50E	Mp-Am	2012	8/20/2012	MAP	556652	5435129.25	11N	
GFL019 02+75E	Mp-Am	2012	8/20/2012	MAP	556678	5435130.38	11N	
GFL019 03+00E	Mp-Am	2012	8/20/2012	MAP	556704	5435131.5	11N	
GFL019 03+25E	Mp-Am	2012	8/20/2012	MAP	556730	5435132.63	11N	
GFL019 03+50E	Mp-Am	2012	8/20/2012	MAP	556756	5435133.75	11N	
GFL019 03+75E	Mp-Am	2012	8/20/2012	MAP	556782	5435134.88	11N	
GFL019 04+00E	Mp-Am	2012	8/20/2012	MAP	556808	5435136	11N	
GFL019 04+25E	Mp-Am	2012	8/20/2012	MAP	556833	5435144.88	11N	
GFL019 04+50E	Mp-Am	2012	8/20/2012	MAP	556858	5435153.75	11N	
GFL019 04+75E	Mp-Am	2012	8/20/2012	MAP	556883	5435162.63	11N	
GFL019 05+00E	Mp-Am	2012	8/20/2012	MAP	556908	5435171.5	11N	
GFL019 05+25E	Mp-Am	2012	8/20/2012	MAP	556933	5435180.38	11N	
GFL019 05+50E	Mp-Am	2012	8/20/2012	MAP	556958	5435189.25	11N	
GFL019 05+75E	Mp-Am	2012	8/20/2012	MAP	556983	5435198.13	11N	
GFL019 06+00E	Mp-Am	2012	8/20/2012	MAP	557008	5435207	11N	
GFL019 06+25E	Mp-Am	2012	8/20/2012	MAP	557031.25	5435215.88	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
GFL019 06+50E	Mp-Am	2012	8/20/2012	MAP	557054.5	5435224.75	11N	
GFL019 06+75E	Mp-Am	2012	8/20/2012	MAP	557077.75	5435233.63	11N	
GFL019 07+00E	Mp-Am	2012	8/20/2012	MAP	557101	5435242.5	11N	
GFL019 07+25E	Mp-Am	2012	8/20/2012	MAP	557124.25	5435251.38	11N	
GFL019 07+50E	Mp-Am	2012	8/20/2012	MAP	557147.5	5435260.25	11N	
GFL019 07+75E	Mp-Am	2012	8/20/2012	MAP	557170.75	5435269.13	11N	
GFL019 08+00E	Mp-Am	2012	8/20/2012	MAP	557194	5435278	11N	
GFL019 08+25E	Mp-Am	2012	8/20/2012	MAP	557218.25	5435284.5	11N	
GFL019 08+50E	Mp-Am	2012	8/20/2012	MAP	557242.5	5435291	11N	
GFL019 08+75E	Mp-Am	2012	8/20/2012	MAP	557266.75	5435297.5	11N	
GFL019 09+00E	Mp-Am	2012	8/20/2012	MAP	557291	5435304	11N	
GFL019 09+25E	Mp-Am	2012	8/20/2012	MAP	557315.25	5435310.5	11N	
GFL019 09+50E	Mp-Am	2012	8/20/2012	MAP	557339.5	5435317	11N	
GFL019 09+75E	Mp-Am	2012	8/20/2012	MAP	557363.75	5435323.5	11N	
GFL019 10+00E	Mp-Am	2012	8/20/2012	MAP	557388	5435330	11N	
GFL019 10+25E	Mp-Am	2012	8/20/2012	MAP	557411.94	5435333.31	11N	
GFL019 10+50E	Mp-Am	2012	8/20/2012	MAP	557435.88	5435336.63	11N	
GFL019 10+75E	Mp-Am	2012	8/20/2012	MAP	557459.81	5435339.94	11N	
GFL019 11+00E	Mp-Am	2012	8/20/2012	MAP	557483.75	5435343.25	11N	
GFL019 11+25E	Mp-Am	2012	8/20/2012	MAP	557507.69	5435346.56	11N	
GFL019 11+50E	Mp-Am	2012	8/20/2012	MAP	557531.63	5435349.88	11N	
GFL019 11+75E	Mp-Am	2012	8/20/2012	MAP	557555.56	5435353.19	11N	
GFL019 12+00E	Mp-Am	2012	8/20/2012	MAP	557579.5	5435356.5	11N	
GFL019 12+25E	Mp-Am	2012	8/21/2012	MAP	557603.44	5435359.81	11N	
GFL019 12+50E	Mp-Am	2012	8/22/2012	MAP	557627.38	5435363.13	11N	
GFL019 12+75E	Mp-Am	2012	8/22/2012	MAP	557651.31	5435366.44	11N	
GFL019 13+00E	Mp-Am	2012	8/22/2012	MAP	557675.25	5435369.75	11N	
GFL019 13+25E	Mp-Am	2012	8/22/2012	MAP	557699.19	5435373.06	11N	
GFL019 13+50E	Mp-Am	2012	8/22/2012	MAP	557723.13	5435376.38	11N	
GFL019 13+75E	Mp-Am	2012	8/22/2012	MAP	557747.06	5435379.69	11N	
GFL019 14+00E	Mp-Am	2012	8/22/2012	MAP	557771	5435383	11N	
GFL019 14+25E	Mp-Am	2012	8/22/2012	MAP	557796.63	5435388.63	11N	
GFL019 14+50E	Mp-Am	2012	8/22/2012	MAP	557822.25	5435394.25	11N	
GFL019 14+75E	Mp-Am	2012	8/22/2012	MAP	557847.88	5435399.88	11N	
GFL019 15+00E	Mp-Am	2012	8/22/2012	MAP	557873.5	5435405.5	11N	
GFL019 15+25E	Mp-Am	2012	8/22/2012	MAP	557899.13	5435411.13	11N	
GFL019 15+50E	Mp-Am	2012	8/22/2012	MAP	557924.75	5435416.75	11N	
GFL019 15+75E	Mp-Am	2012	8/22/2012	MAP	557950.38	5435422.38	11N	
GFL019 16+00E	Mp-Am	2012	8/22/2012	MAP	557976	5435428	11N	
GFL019 16+25E	Mp-Am	2012	8/22/2012	MAP	558000.38	5435431.63	11N	
GFL019 16+50E	Mp-Am	2012	8/22/2012	MAP	558024.75	5435435.25	11N	
GFL019 16+75E	Mp-Am	2012	8/22/2012	MAP	558049.13	5435438.88	11N	
GFL019 17+00E	Mp-Am	2012	8/22/2012	MAP	558073.5	5435442.5	11N	
GFL019 17+25E	Mp-Am	2012	8/22/2012	MAP	558097.88	5435446.13	11N	
GFL019 17+50E	Mp-Am	2012	8/22/2012	MAP	558122.25	5435449.75	11N	
GFL019 17+75E	Mp-Am	2012	8/22/2012	MAP	558146.63	5435453.38	11N	
GFL019 18+00E	Mp-Am	2012	8/22/2012	MAP	558171	5435457	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
GFL019 18+25E	Mp-Am	2012	8/22/2012	MAP	558197.25	5435461.38	11N	
GFL019 18+50E	Mp-Am	2012	8/22/2012	MAP	558223.5	5435465.75	11N	
GFL019 18+75E	Mp-Am	2012	8/22/2012	MAP	558249.75	5435470.13	11N	
GFL019 19+00E	Mp-Am	2012	8/22/2012	MAP	558276	5435474.5	11N	
GFL019 19+25E	Mp-Am	2012	8/22/2012	MAP	558302.25	5435478.88	11N	
GFL019 19+50E	Mp-Am	2012	8/22/2012	MAP	558328.5	5435483.25	11N	
GFL019 19+75E	Mp-Am	2012	8/22/2012	MAP	558354.75	5435487.63	11N	
GFL019 20+00E	Mp-Am	2012	8/22/2012	MAP	558381	5435492	11N	
GFL019 20+25E	Mp-Am	2012	8/22/2012	MAP	558405.75	5435496.63	11N	
GFL019 20+50E	Mp-Am	2012	8/22/2012	MAP	558430.5	5435501.25	11N	
GFL019 20+75E	Mp-Am	2012	8/22/2012	MAP	558455.25	5435505.88	11N	
GFL019 21+00E	Mp-Am	2012	8/22/2012	MAP	558480	5435510.5	11N	
GFL019 21+25E	Mp-Am	2012	8/22/2012	MAP	558504.75	5435515.13	11N	
GFL019 21+50E	Mp-Am	2012	8/22/2012	MAP	558529.5	5435519.75	11N	
GFL019 21+75E	Mp-Am	2012	8/22/2012	MAP	558554.25	5435524.38	11N	
GFL019 22+00E	Mp-Am	2012	8/22/2012	MAP	558579	5435529	11N	
GFL019 22+25E	Mp-Am	2012	8/22/2012	MAP	558600.88	5435542.88	11N	
GFL019 22+50E	Mp-Am	2012	8/22/2012	MAP	558622.75	5435556.75	11N	
GFL019 22+75E	Mp-Am	2012	8/22/2012	MAP	558644.63	5435570.63	11N	
GFL019 23+00E	Mp-Am	2012	8/22/2012	MAP	558666.5	5435584.5	11N	
GFL019 23+25E	Mp-Am	2012	8/22/2012	MAP	558688.38	5435598.38	11N	
GFL019 23+50E	Mp-Am	2012	8/22/2012	MAP	558710.25	5435612.25	11N	
GFL019 23+75E	Mp-Am	2012	8/22/2012	MAP	558732.13	5435626.13	11N	
GFL019 24+00E	Mp-Am	2012	8/22/2012	MAP	558753.27	5435640.05	11N	
GFL019 24+25E	Mp-Am	2012	8/22/2012	MAP	558776.9	5435637.55	11N	
GFL019 24+50E	Mp-Am	2012	8/22/2012	MAP	558800.52	5435635.05	11N	
GFL019 24+75E	Mp-Am	2012	8/22/2012	MAP	558824.15	5435632.55	11N	
GFL019 25+00E	Mp-Am	2012	8/22/2012	MAP	558847.77	5435630.05	11N	
GFL019 25+25E	Mp-Am	2012	8/23/2012	MAP	558871.4	5435627.55	11N	
GFL019 25+50E	Mp-Am	2012	8/23/2012	MAP	558895.02	5435625.05	11N	
GFL019 25+75E	Mp-Am	2012	8/23/2012	MAP	558918.65	5435622.55	11N	
GFL019 26+00E	Mp-Am	2012	8/23/2012	MAP	558942.27	5435620.05	11N	
GFL019 26+25E	Mp-Am	2012	8/23/2012	MAP	558973.91	5435625.57	11N	
GFL019 26+50E	Mp-Am	2012	8/23/2012	MAP	559005.91	5435631.07	11N	
GFL019 26+75E	Mp-Am	2012	8/23/2012	MAP	559037.91	5435636.57	11N	
GFL019 27+00E	Mp-Am	2012	8/23/2012	MAP	559069.91	5435642.07	11N	
GFL019 27+25E	Mp-Am	2012	8/23/2012	MAP	559101.91	5435647.57	11N	
GFL019 27+50E	Mp-Am	2012	8/23/2012	MAP	559133.91	5435653.07	11N	
GFL019 27+75E	Mp-Am	2012	8/23/2012	MAP	559165.91	5435658.57	11N	
GFL019 28+00E	Mp-Am	2012	8/23/2012	MAP	559197.9	5435664.07	11N	
GFL019 28+25E	Mp-Am	2012	8/23/2012	MAP	559222.52	5435665.55	11N	
GFL019 28+50E	Mp-Am	2012	8/23/2012	MAP	559246.77	5435667.05	11N	
GFL019 28+75E	Mp-Am	2012	8/23/2012	MAP	559271.02	5435668.55	11N	
GFL019 29+00E	Mp-Am	2012	8/23/2012	MAP	559295.27	5435670.05	11N	
GFL019 29+25E	Mp-Am	2012	8/23/2012	MAP	559319.52	5435671.55	11N	
GFL019 29+50E	Mp-Am	2012	8/23/2012	MAP	559343.77	5435673.05	11N	
GFL019 29+75E	Mp-Am	2012	8/23/2012	MAP	559368.02	5435674.55	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
GFL019 30+00E	Mp-Am	2012	8/23/2012	MAP	559392.27	5435676.05	11N	
GFL019 30+25E	Mp-Am	2012	8/23/2012	MAP	559416.89	5435679.42	11N	
GFL019 30+50E	Mp-Am	2012	8/23/2012	MAP	559441.52	5435682.8	11N	
GFL019 30+75E	Mp-Am	2012	8/23/2012	MAP	559466.14	5435686.17	11N	
GFL019 31+00E	Mp-Am	2012	8/23/2012	MAP	559490.77	5435689.55	11N	
GFL019 31+25E	Mp-Am	2012	8/23/2012	MAP	559515.39	5435692.92	11N	
GFL019 31+50E	Mp-Am	2012	8/23/2012	MAP	559540.02	5435696.3	11N	
GFL019 31+75E	Mp-Am	2012	8/23/2012	MAP	559564.64	5435699.67	11N	
GFL019 32+00E	Mp-Am	2012	8/23/2012	MAP	559589.27	5435703.05	11N	
GFL019 32+25E	Mp-Am	2012	8/23/2012	MAP	559608.14	5435706.55	11N	
GFL019 32+50E	Mp-Am	2012	8/23/2012	MAP	559627.02	5435710.05	11N	
GFL019 32+75E	Mp-Am	2012	8/23/2012	MAP	559645.89	5435713.55	11N	
GFL019 33+00E	Mp-Am	2012	8/23/2012	MAP	559664.77	5435717.05	11N	
GFL019 33+25E	Mp-Am	2012	8/23/2012	MAP	559683.64	5435720.55	11N	
GFL019 33+50E	Mp-Am	2012	8/23/2012	MAP	559702.52	5435724.05	11N	
GFL019 33+75E	Mp-Am	2012	8/23/2012	MAP	559721.39	5435727.55	11N	
GFL019 34+00E	Mp-Am	2012	8/23/2012	MAP	559740.27	5435731.05	11N	
GFL019 34+25E	Mp-Am	2012	8/23/2012	MAP	559763.64	5435734.8	11N	
GFL019 34+50E	Mp-Am	2012	8/23/2012	MAP	559787.02	5435738.55	11N	
GFL019 34+75E	Mp-Am	2012	8/23/2012	MAP	559810.39	5435742.3	11N	
GFL019 35+00E	Mp-Am	2012	8/23/2012	MAP	559833.77	5435746.05	11N	
GFL019 35+25E	Mp-Am	2012	8/23/2012	MAP	559857.14	5435749.8	11N	
GFL019 35+50E	Mp-Am	2012	8/23/2012	MAP	559880.51	5435753.55	11N	
GFL019 35+75E	Mp-Am	2012	8/23/2012	MAP	559903.89	5435757.3	11N	
GFL019 36+00E	Mp-Cm	2012	8/23/2012	MAP	559927.26	5435761.05	11N	
GFL019 36+25E	Mp-Cm	2012	8/23/2012	MAP	559951.1	5435766.71	11N	
GFL019 36+50E	Mp-Cm	2012	8/23/2012	MAP	559974.93	5435772.38	11N	
GFL019 36+75E	Mp-Cm	2012	8/23/2012	MAP	559998.76	5435778.05	11N	
GFL019 37+00E	Mp-Cm	2012	8/23/2012	MAP	560022.6	5435783.71	11N	
GFL019 37+25E	Mp-Cm	2012	8/23/2012	MAP	560046.43	5435789.38	11N	
GFL019 37+50E	Mp-Cm	2012	8/23/2012	MAP	560070.26	5435795.05	11N	
GFL020 00+00	Mp-Am	2012	8/20/2012	GPS	556462	5434736	11N	7
GFL020 00+25E	Mp-Am	2012	8/20/2012	MAP	556485.25	5434739	11N	
GFL020 00+50E	Mp-Am	2012	8/20/2012	MAP	556508.5	5434742	11N	
GFL020 00+75E	Mp-M	2012	8/20/2012	MAP	556531.75	5434745	11N	
GFL020 01+00E	Mp-M	2012	8/20/2012	MAP	556555	5434748	11N	
GFL020 01+25E	Mp-M	2012	8/20/2012	MAP	556578.25	5434751	11N	
GFL020 01+50E	Mp-Am	2012	8/20/2012	MAP	556601.5	5434754	11N	
GFL020 01+75E	Mp-Am	2012	8/20/2012	MAP	556624.75	5434757	11N	
GFL020 02+00E	Mp-Am	2012	8/20/2012	GPS	556648	5434760	11N	8
GFL020 02+25E	Mp-Am	2012	8/20/2012	MAP	556670.88	5434764.63	11N	
GFL020 02+50E	Mp-Am	2012	8/20/2012	MAP	556693.75	5434769.25	11N	
GFL020 02+75E	Mp-Am	2012	8/20/2012	MAP	556716.63	5434773.88	11N	
GFL020 03+00E	Mp-Am	2012	8/20/2012	MAP	556739.5	5434778.5	11N	
GFL020 03+25E	Mp-Am	2012	8/20/2012	MAP	556762.38	5434783.13	11N	
GFL020 03+50E	Mp-Am	2012	8/20/2012	MAP	556785.25	5434787.75	11N	
GFL020 03+75E	Mp-Am	2012	8/20/2012	MAP	556808.13	5434792.38	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
GFL020 04+00E	Mp-Am	2012	8/20/2012	GPS	556831	5434797	11N	11
GFL020 04+25E	Mp-Am	2012	8/20/2012	MAP	556854.88	5434801.63	11N	
GFL020 04+50E	Mp-Am	2012	8/20/2012	MAP	556878.75	5434806.25	11N	
GFL020 04+75E	Mp-Am	2012	8/20/2012	MAP	556902.63	5434810.88	11N	
GFL020 05+00E	Mp-Am	2012	8/20/2012	MAP	556926.5	5434815.5	11N	
GFL020 05+25E	Mp-Am	2012	8/20/2012	MAP	556950.38	5434820.13	11N	
GFL020 05+50E	Mp-Am	2012	8/20/2012	MAP	556974.25	5434824.75	11N	
GFL020 05+75E	Mp-Am	2012	8/20/2012	MAP	556998.13	5434829.38	11N	
GFL020 06+00E	Mp-Am	2012	8/20/2012	GPS	557022	5434834	11N	7
GFL020 06+25E	Mp-Am	2012	8/20/2012	MAP	557047.25	5434837.5	11N	
GFL020 06+50E	Mp-Am	2012	8/20/2012	MAP	557072.5	5434841	11N	
GFL020 06+75E	Mp-Am	2012	8/20/2012	MAP	557097.75	5434844.5	11N	
GFL020 07+00E	Mp-Am	2012	8/20/2012	MAP	557123	5434848	11N	
GFL020 07+25E	Mp-Am	2012	8/20/2012	MAP	557148.25	5434851.5	11N	
GFL020 07+50E	Mp-Am	2012	8/20/2012	MAP	557173.5	5434855	11N	
GFL020 07+75E	Mp-Am	2012	8/20/2012	MAP	557198.75	5434858.5	11N	
GFL020 08+00E	Mp-Am	2012	8/20/2012	GPS	557224	5434862	11N	7
GFL020 08+25E	Mp-Am	2012	8/20/2012	MAP	557246.63	5434870.13	11N	
GFL020 08+50E	Mp-Am	2012	8/20/2012	MAP	557269.25	5434878.25	11N	
GFL020 08+75E	Mp-Am	2012	8/20/2012	MAP	557291.88	5434886.38	11N	
GFL020 09+00E	Mp-Am	2012	8/20/2012	MAP	557314.5	5434894.5	11N	
GFL020 09+25E	Mp-Am	2012	8/20/2012	MAP	557337.13	5434902.63	11N	
GFL020 09+50E	Mp-Am	2012	8/20/2012	MAP	557359.75	5434910.75	11N	
GFL020 09+75E	Mp-Am	2012	8/20/2012	MAP	557382.38	5434918.88	11N	
GFL020 10+00E	Mp-Am	2012	8/20/2012	GPS	557405	5434927	11N	9
GFL020 10+25E	Mp-Am	2012	8/20/2012	MAP	557429.88	5434929.88	11N	
GFL020 10+50E	Mp-Am	2012	8/20/2012	MAP	557454.75	5434932.75	11N	
GFL020 10+75E	Mp-Am	2012	8/20/2012	MAP	557479.63	5434935.63	11N	
GFL020 11+00E	Mp-Am	2012	8/20/2012	MAP	557504.5	5434938.5	11N	
GFL020 11+25E	Mp-Am	2012	8/20/2012	MAP	557529.38	5434941.38	11N	
GFL020 11+50E	Mp-Am	2012	8/20/2012	MAP	557554.25	5434944.25	11N	
GFL020 11+75E	Mp-Am	2012	8/20/2012	MAP	557579.13	5434947.13	11N	
GFL020 12+00E	Mp-Am	2012	8/20/2012	GPS	557604	5434950	11N	8
GFL020 12+25E	Mp-Am	2012	8/20/2012	MAP	557626	5434954.75	11N	
GFL020 12+50E	Mp-Am	2012	8/20/2012	MAP	557648	5434959.5	11N	
GFL020 12+75E	Mp-Am	2012	8/20/2012	MAP	557670	5434964.25	11N	
GFL020 13+00E	Mp-Am	2012	8/20/2012	MAP	557692	5434969	11N	
GFL020 13+25E	Mp-Am	2012	8/20/2012	MAP	557714	5434973.75	11N	
GFL020 13+50E	Mp-Am	2012	8/20/2012	MAP	557736	5434978.5	11N	
GFL020 13+75E	Mp-Am	2012	8/20/2012	MAP	557758	5434983.25	11N	
GFL020 14+00E	Mp-Am	2012	8/20/2012	GPS	557780	5434988	11N	8
GFL020 14+25E	Mp-Am	2012	8/21/2012	MAP	557804.75	5434991.25	11N	
GFL020 14+50E	Mp-Am	2012	8/21/2012	MAP	557829.5	5434994.5	11N	
GFL020 14+75E	Mp-Am	2012	8/21/2012	MAP	557854.25	5434997.75	11N	
GFL020 15+00E	Mp-Am	2012	8/21/2012	MAP	557879	5435001	11N	
GFL020 15+25E	Mp-Am	2012	8/21/2012	MAP	557903.75	5435004.25	11N	
GFL020 15+50E	Mp-Am	2012	8/21/2012	MAP	557928.5	5435007.5	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
GFL020 15+75E	Mp-Am	2012	8/21/2012	MAP	557953.25	5435010.75	11N	
GFL020 16+00E	Mp-Am	2012	8/21/2012	GPS	557978	5435014	11N	8
GFL020 16+25E	Mp-Am	2012	8/21/2012	MAP	558001.25	5435018.88	11N	
GFL020 16+50E	Mp-Am	2012	8/21/2012	MAP	558024.5	5435023.75	11N	
GFL020 16+75E	Mp-Am	2012	8/21/2012	MAP	558047.75	5435028.63	11N	
GFL020 17+00E	Mp-Am	2012	8/21/2012	MAP	558071	5435033.5	11N	
GFL020 17+25E	Mp-Am	2012	8/21/2012	MAP	558094.25	5435038.38	11N	
GFL020 17+50E	Mp-Am	2012	8/21/2012	MAP	558117.5	5435043.25	11N	
GFL020 17+75E	Mp-Am	2012	8/21/2012	MAP	558140.75	5435048.13	11N	
GFL020 18+00E	Mp-Am	2012	8/21/2012	GPS	558164	5435053	11N	6
GFL020 18+25E	Mp-Am	2012	8/21/2012	MAP	558187.88	5435054	11N	
GFL020 18+50E	Mp-Am	2012	8/21/2012	MAP	558211.75	5435055	11N	
GFL020 18+75E	Mp-Am	2012	8/21/2012	MAP	558235.63	5435056	11N	
GFL020 19+00E	Mp-Am	2012	8/21/2012	MAP	558259.5	5435057	11N	
GFL020 19+25E	Mp-Am	2012	8/21/2012	MAP	558283.38	5435058	11N	
GFL020 19+50E	Mp-Am	2012	8/21/2012	MAP	558307.25	5435059	11N	
GFL020 19+75E	Mp-Am	2012	8/21/2012	MAP	558331.13	5435060	11N	
GFL020 20+00E	Mp-Am	2012	8/21/2012	GPS	558355	5435061	11N	1
GFL020 20+25E	Mp-Am	2012	8/21/2012	MAP	558377.38	5435065.88	11N	
GFL020 20+50E	Mp-Am	2012	8/21/2012	MAP	558399.75	5435070.75	11N	
GFL020 20+75E	Mp-Am	2012	8/21/2012	MAP	558422.13	5435075.63	11N	
GFL020 21+00E	Mp-Am	2012	8/21/2012	MAP	558444.5	5435080.5	11N	
GFL020 21+25E	Mp-Am	2012	8/21/2012	MAP	558466.88	5435085.38	11N	
GFL020 21+50E	Mp-Am	2012	8/21/2012	MAP	558489.25	5435090.25	11N	
GFL020 21+75E	Mp-Am	2012	8/21/2012	MAP	558511.63	5435095.13	11N	
GFL020 22+00E	Mp-Am	2012	8/21/2012	GPS	558534	5435100	11N	12
GFL020 22+25E	Mp-Am	2012	8/21/2012	MAP	558561.13	5435103.38	11N	
GFL020 22+50E	Mp-Am	2012	8/21/2012	MAP	558588.25	5435106.75	11N	
GFL020 22+75E	Mp-Am	2012	8/21/2012	MAP	558615.38	5435110.13	11N	
GFL020 23+00E	Mp-Am	2012	8/21/2012	MAP	558642.5	5435113.5	11N	
GFL020 23+25E	Mp-Am	2012	8/21/2012	MAP	558669.63	5435116.88	11N	
GFL020 23+50E	Mp-Am	2012	8/21/2012	MAP	558696.75	5435120.25	11N	
GFL020 23+75E	Mp-Am	2012	8/21/2012	MAP	558723.88	5435123.63	11N	
GFL020 24+00E	Mp-Am	2012	8/21/2012	GPS	558751	5435127	11N	9
GFL020 24+25E	Mp-Am	2012	8/21/2012	MAP	558772.75	5435134.38	11N	
GFL020 24+50E	Mp-Am	2012	8/21/2012	MAP	558794.5	5435141.75	11N	
GFL020 24+75E	Mp-Am	2012	8/21/2012	MAP	558816.25	5435149.13	11N	
GFL020 25+00E	Mp-Am	2012	8/21/2012	MAP	558838	5435156.5	11N	
GFL020 25+25E	Mp-Am	2012	8/21/2012	MAP	558859.75	5435163.88	11N	
GFL020 25+50E	Mp-Am	2012	8/21/2012	MAP	558881.5	5435171.25	11N	
GFL020 25+75E	Mp-Am	2012	8/21/2012	MAP	558903.25	5435178.63	11N	
GFL020 26+00E	Mp-Am	2012	8/21/2012	GPS	558925	5435186	11N	9
GFL020 26+25E	Mp-Am	2012	8/22/2012	MAP	558947.5	5435189.88	11N	
GFL020 26+50E	Mp-Am	2012	8/22/2012	MAP	558970	5435193.75	11N	
GFL020 26+75E	Mp-Am	2012	8/22/2012	MAP	558992.5	5435197.63	11N	
GFL020 27+00E	Mp-Am	2012	8/22/2012	MAP	559015	5435201.5	11N	
GFL020 27+25E	Mp-Am	2012	8/22/2012	MAP	559037.5	5435205.38	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
GFL020 27+50E	Mp-Am	2012	8/22/2012	MAP	559060	5435209.25	11N	
GFL020 27+75E	Mp-Am	2012	8/22/2012	MAP	559082.5	5435213.13	11N	
GFL020 28+00E	Mp-Am	2012	8/22/2012	GPS	559105	5435217	11N	12
GFL020 28+25E	Mp-Am	2012	8/22/2012	MAP	559130.25	5435221.75	11N	
GFL020 28+50E	Mp-Am	2012	8/22/2012	MAP	559155.5	5435226.5	11N	
GFL020 28+75E	Mp-Am	2012	8/22/2012	MAP	559180.75	5435231.25	11N	
GFL020 29+00E	Mp-Am	2012	8/22/2012	MAP	559206	5435236	11N	
GFL020 29+25E	Mp-Am	2012	8/22/2012	MAP	559231.25	5435240.75	11N	
GFL020 29+50E	Mp-Am	2012	8/22/2012	MAP	559256.5	5435245.5	11N	
GFL020 29+75E	Mp-Am	2012	8/22/2012	MAP	559281.75	5435250.25	11N	
GFL020 30+00E	Mp-Am	2012	8/22/2012	GPS	559307	5435255	11N	1
GFL020 30+25E	Mp-Am	2012	8/22/2012	MAP	559328.38	5435260.25	11N	
GFL020 30+50E	Mp-Am	2012	8/22/2012	MAP	559349.75	5435265.5	11N	
GFL020 30+75E	Mp-Am	2012	8/22/2012	MAP	559371.13	5435270.75	11N	
GFL020 31+00E	Mp-Am	2012	8/22/2012	MAP	559392.5	5435276	11N	
GFL020 31+25E	Mp-Am	2012	8/22/2012	MAP	559413.88	5435281.25	11N	
GFL020 31+50E	Mp-Am	2012	8/22/2012	MAP	559435.25	5435286.5	11N	
GFL020 31+75E	Mp-Am	2012	8/22/2012	MAP	559456.63	5435291.75	11N	
GFL020 32+00E	Mp-Am	2012	8/22/2012	GPS	559478	5435297	11N	12
GFL020 32+25E	Mp-Am	2012	8/22/2012	MAP	559502.38	5435304	11N	
GFL020 32+50E	Mp-Am	2012	8/22/2012	MAP	559526.75	5435311	11N	
GFL020 32+75E	Mp-Am	2012	8/22/2012	MAP	559551.13	5435318	11N	
GFL020 33+00E	Mp-Am	2012	8/22/2012	MAP	559575.5	5435325	11N	
GFL020 33+25E	Mp-Am	2012	8/22/2012	MAP	559599.88	5435332	11N	
GFL020 33+50E	Mp-Am	2012	8/22/2012	MAP	559624.25	5435339	11N	
GFL020 33+75E	Mp-Am	2012	8/22/2012	MAP	559648.63	5435346	11N	
GFL020 34+00E	Mp-Am	2012	8/22/2012	GPS	559673	5435353	11N	1
GFL020 34+25E	Mp-Am	2012	8/22/2012	MAP	559699	5435351.5	11N	
GFL020 34+50E	Mp-Am	2012	8/22/2012	MAP	559725	5435350	11N	
GFL020 34+75E	Mp-Am	2012	8/22/2012	MAP	559751	5435348.5	11N	
GFL020 35+00E	Mp-Am	2012	8/22/2012	MAP	559777	5435347	11N	
GFL020 35+25E	Mp-Am	2012	8/22/2012	MAP	559803	5435345.5	11N	
GFL020 35+50E	Mp-Cm	2012	8/22/2012	MAP	559829	5435344	11N	
GFL020 35+75E	Mp-Cm	2012	8/22/2012	MAP	559855	5435342.5	11N	
GFL020 36+00E	Mp-Cm	2012	8/22/2012	GPS	559881	5435341	11N	11
GFL021 00+00	Mp-Cm	2012	8/19/2012	GPS	559730	5434920	11N	1
GFL021 00+25W	Mp-Am	2012	8/19/2012	MAP	559704.13	5434914.75	11N	
GFL021 00+50W	Mp-Am	2012	8/19/2012	MAP	559678.25	5434909.5	11N	
GFL021 00+75W	Mp-Am	2012	8/19/2012	MAP	559652.38	5434904.25	11N	
GFL021 01+00W	Mp-Am	2012	8/19/2012	MAP	559626.5	5434899	11N	
GFL021 01+25W	Mp-Am	2012	8/19/2012	MAP	559600.63	5434893.75	11N	
GFL021 01+50W	Mp-Am	2012	8/19/2012	MAP	559574.75	5434888.5	11N	
GFL021 01+75W	Mp-Am	2012	8/19/2012	MAP	559548.88	5434883.25	11N	
GFL021 02+00W	Mp-Am	2012	8/19/2012	GPS	559523	5434878	11N	16
GFL021 02+25W	Mp-Am	2012	8/19/2012	MAP	559499.13	5434872.5	11N	
GFL021 02+50W	Mp-Am	2012	8/19/2012	MAP	559475.25	5434867	11N	
GFL021 02+75W	Mp-Am	2012	8/19/2012	MAP	559451.38	5434861.5	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
GFL021 03+00W	Mp-Am	2012	8/19/2012	MAP	559427.5	5434856	11N	
GFL021 03+25W	Mp-Am	2012	8/19/2012	MAP	559403.63	5434850.5	11N	
GFL021 03+50W	Mp-Am	2012	8/19/2012	MAP	559379.75	5434845	11N	
GFL021 03+75W	Mp-Am	2012	8/19/2012	MAP	559355.88	5434839.5	11N	
GFL021 04+00W	Mp-Am	2012	8/19/2012	GPS	559332	5434834	11N	6
GFL021 04+25W	Mp-Am	2012	8/19/2012	MAP	559305.88	5434832.63	11N	
GFL021 04+50W	Mp-Am	2012	8/19/2012	MAP	559279.75	5434831.25	11N	
GFL021 04+75W	Mp-Am	2012	8/19/2012	MAP	559253.63	5434829.88	11N	
GFL021 05+00W	Mp-Am	2012	8/19/2012	MAP	559227.5	5434828.5	11N	
GFL021 05+25W	Mp-Am	2012	8/19/2012	MAP	559201.38	5434827.13	11N	
GFL021 05+50W	Mp-Am	2012	8/19/2012	MAP	559175.25	5434825.75	11N	
GFL021 05+75W	Mp-Am	2012	8/19/2012	MAP	559149.13	5434824.38	11N	
GFL021 06+00W	Mp-Am	2012	8/19/2012	GPS	559123	5434823	11N	7
GFL021 06+25W	Mp-Am	2012	8/19/2012	MAP	559100.38	5434811.13	11N	
GFL021 06+50W	Mp-Am	2012	8/19/2012	MAP	559077.75	5434799.25	11N	
GFL021 06+75W	Mp-Am	2012	8/19/2012	MAP	559055.13	5434787.38	11N	
GFL021 07+00W	Mp-Am	2012	8/19/2012	MAP	559032.5	5434775.5	11N	
GFL021 07+25W	Mp-Am	2012	8/19/2012	MAP	559009.88	5434763.63	11N	
GFL021 07+50W	Mp-Am	2012	8/19/2012	MAP	558987.25	5434751.75	11N	
GFL021 07+75W	Mp-Am	2012	8/19/2012	MAP	558964.63	5434739.88	11N	
GFL021 08+00W	Mp-Am	2012	8/19/2012	GPS	558942	5434728	11N	11
GFL021 08+25W	Mp-Am	2012	8/19/2012	MAP	558914.88	5434735.63	11N	
GFL021 08+50W	Mp-Am	2012	8/19/2012	MAP	558887.75	5434743.25	11N	
GFL021 08+75W	Mp-Am	2012	8/19/2012	MAP	558860.63	5434750.88	11N	
GFL021 09+00W	Mp-Am	2012	8/19/2012	MAP	558833.5	5434758.5	11N	
GFL021 09+25W	Mp-Am	2012	8/19/2012	MAP	558806.38	5434766.13	11N	
GFL021 09+50W	Mp-Am	2012	8/19/2012	MAP	558779.25	5434773.75	11N	
GFL021 09+75W	Mp-Am	2012	8/19/2012	MAP	558752.13	5434781.38	11N	
GFL021 10+00W	Mp-Am	2012	8/19/2012	GPS	558725	5434789	11N	9
GFL021 10+25W	Mp-Am	2012	8/19/2012	MAP	558699.13	5434785.25	11N	
GFL021 10+50W	Mp-Am	2012	8/19/2012	MAP	558673.25	5434781.5	11N	
GFL021 10+75W	Mp-Am	2012	8/19/2012	MAP	558647.38	5434777.75	11N	
GFL021 11+00W	Mp-Am	2012	8/19/2012	MAP	558621.5	5434774	11N	
GFL021 11+25W	Mp-Am	2012	8/20/2012	MAP	558595.63	5434770.25	11N	
GFL021 11+50W	Mp-Am	2012	8/20/2012	MAP	558569.75	5434766.5	11N	
GFL021 11+75W	Mp-Am	2012	8/20/2012	MAP	558543.88	5434762.75	11N	
GFL021 12+00W	Mp-Am	2012	8/20/2012	GPS	558518	5434759	11N	19
GFL021 12+25W	Mp-Am	2012	8/20/2012	MAP	558494.25	5434751.13	11N	
GFL021 12+50W	Mp-Am	2012	8/20/2012	MAP	558470.5	5434743.25	11N	
GFL021 12+75W	Mp-Am	2012	8/20/2012	MAP	558446.75	5434735.38	11N	
GFL021 13+00W	Mp-Am	2012	8/20/2012	MAP	558423	5434727.5	11N	
GFL021 13+25W	Mp-Am	2012	8/20/2012	MAP	558399.25	5434719.63	11N	
GFL021 13+50W	Mp-Am	2012	8/20/2012	MAP	558375.5	5434711.75	11N	
GFL021 13+75W	Mp-Am	2012	8/20/2012	MAP	558351.75	5434703.88	11N	
GFL021 14+00W	Mp-Am	2012	8/20/2012	GPS	558328	5434696	11N	9
GFL021 14+25W	Mp-Am	2012	8/20/2012	MAP	558303.38	5434686.25	11N	
GFL021 14+50W	Mp-Am	2012	8/20/2012	MAP	558278.75	5434676.5	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
GFL021 14+75W	Mp-Am	2012	8/20/2012	MAP	558254.13	5434666.75	11N	
GFL021 15+00W	Mp-Am	2012	8/20/2012	MAP	558229.5	5434657	11N	
GFL021 15+25W	Mp-Am	2012	8/20/2012	MAP	558204.88	5434647.25	11N	
GFL021 15+50W	Mp-Am	2012	8/20/2012	MAP	558180.25	5434637.5	11N	
GFL021 15+75W	Mp-Am	2012	8/20/2012	MAP	558155.63	5434627.75	11N	
GFL021 16+00W	Mp-Am	2012	8/20/2012	GPS	558131	5434618	11N	6
GFL021 16+25W	Mp-Am	2012	8/20/2012	MAP	558107.25	5434615.75	11N	
GFL021 16+50W	Mp-Am	2012	8/20/2012	MAP	558083.5	5434613.5	11N	
GFL021 16+75W	Mp-Am	2012	8/20/2012	MAP	558059.75	5434611.25	11N	
GFL021 17+00W	Mp-Am	2012	8/20/2012	MAP	558036	5434609	11N	
GFL021 17+25W	Mp-Am	2012	8/20/2012	MAP	558012.25	5434606.75	11N	
GFL021 17+50W	Mp-Am	2012	8/20/2012	MAP	557988.5	5434604.5	11N	
GFL021 17+75W	Mp-Am	2012	8/20/2012	MAP	557964.75	5434602.25	11N	
GFL021 18+00W	Mp-Am	2012	8/20/2012	GPS	557941	5434600	11N	8
GFL021 18+25W	Mp-Am	2012	8/20/2012	MAP	557914.13	5434597.13	11N	
GFL021 18+50W	Mp-Am	2012	8/20/2012	MAP	557887.25	5434594.25	11N	
GFL021 18+75W	Mp-Am	2012	8/20/2012	MAP	557860.38	5434591.38	11N	
GFL021 19+00W	Mp-Am	2012	8/20/2012	MAP	557833.5	5434588.5	11N	
GFL021 19+25W	Mp-Am	2012	8/20/2012	MAP	557806.63	5434585.63	11N	
GFL021 19+50W	Mp-Am	2012	8/20/2012	MAP	557779.75	5434582.75	11N	
GFL021 19+75W	Mp-Am	2012	8/20/2012	MAP	557752.88	5434579.88	11N	
GFL021 20+00W	Mp-Am	2012	8/20/2012	GPS	557726	5434577	11N	12
GFL021 20+25W	Mp-Am	2012	8/20/2012	MAP	557701.63	5434575.5	11N	
GFL021 20+50W	Mp-Am	2012	8/20/2012	MAP	557677.25	5434574	11N	
GFL021 20+75W	Mp-Am	2012	8/20/2012	MAP	557652.88	5434572.5	11N	
GFL021 21+00W	Mp-Am	2012	8/20/2012	MAP	557628.5	5434571	11N	
GFL021 21+25W	Mp-Am	2012	8/20/2012	MAP	557604.13	5434569.5	11N	
GFL021 21+50W	Mp-Am	2012	8/20/2012	MAP	557579.75	5434568	11N	
GFL021 21+75W	Mp-Am	2012	8/20/2012	MAP	557555.38	5434566.5	11N	
GFL021 22+00W	Mp-Am	2012	8/20/2012	GPS	557531	5434565	11N	14
GFL021 22+25W	Mp-Am	2012	8/21/2012	MAP	557506.5	5434558.63	11N	
GFL021 22+50W	Mp-Am	2012	8/21/2012	MAP	557482	5434552.25	11N	
GFL021 22+75W	Mp-Am	2012	8/21/2012	MAP	557457.5	5434545.88	11N	
GFL021 23+00W	Mp-Am	2012	8/21/2012	MAP	557433	5434539.5	11N	
GFL021 23+25W	Mp-Am	2012	8/21/2012	MAP	557408.5	5434533.13	11N	
GFL021 23+50W	Mp-Am	2012	8/21/2012	MAP	557384	5434526.75	11N	
GFL021 23+75W	Mp-Am	2012	8/21/2012	MAP	557359.5	5434520.38	11N	
GFL021 24+00W	Mp-Am	2012	8/21/2012	GPS	557335	5434514	11N	4
GFL021 24+25W	Mp-Am	2012	8/21/2012	MAP	557311.25	5434505.75	11N	
GFL021 24+50W	Mp-Am	2012	8/21/2012	MAP	557287.5	5434497.5	11N	
GFL021 24+75W	Mp-Am	2012	8/21/2012	MAP	557263.75	5434489.25	11N	
GFL021 25+00W	Mp-Am	2012	8/21/2012	MAP	557240	5434481	11N	
GFL021 25+25W	Mp-Am	2012	8/21/2012	MAP	557216.25	5434472.75	11N	
GFL021 25+50W	Mp-Am	2012	8/21/2012	MAP	557192.5	5434464.5	11N	
GFL021 25+75W	Mp-Am	2012	8/21/2012	MAP	557168.75	5434456.25	11N	
GFL021 26+00W	Mp-Am	2012	8/21/2012	GPS	557145	5434448	11N	13
GFL021 26+25W	Mp-Am	2012	8/21/2012	MAP	557120.13	5434443.25	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
GFL021 26+50W	Mp-Am	2012	8/21/2012	MAP	557095.25	5434438.5	11N	
GFL021 26+75W	Mp-Am	2012	8/21/2012	MAP	557070.38	5434433.75	11N	
GFL021 27+00W	Mp-Am	2012	8/21/2012	MAP	557045.5	5434429	11N	
GFL021 27+25W	Mp-Am	2012	8/21/2012	MAP	557020.63	5434424.25	11N	
GFL021 27+50W	Mp-Am	2012	8/21/2012	MAP	556995.75	5434419.5	11N	
GFL021 27+75W	Mp-Am	2012	8/21/2012	MAP	556970.88	5434414.75	11N	
GFL021 28+00W	Mp-Am	2012	8/21/2012	GPS	556946	5434410	11N	6
GFL021 28+25W	Mp-Am	2012	8/21/2012	MAP	556922.75	5434404.75	11N	
GFL021 28+50W	Mp-Am	2012	8/21/2012	MAP	556899.5	5434399.5	11N	
GFL021 28+75W	Mp-Am	2012	8/21/2012	MAP	556876.25	5434394.25	11N	
GFL021 29+00W	Mp-Am	2012	8/21/2012	MAP	556853	5434389	11N	
GFL021 29+25W	Mp-Am	2012	8/21/2012	MAP	556829.75	5434383.75	11N	
GFL021 29+50W	Mp-Am	2012	8/21/2012	MAP	556806.5	5434378.5	11N	
GFL021 29+75W	Mp-Am	2012	8/21/2012	MAP	556783.25	5434373.25	11N	
GFL021 30+00W	Mp-Am	2012	8/21/2012	GPS	556760	5434368	11N	3
GFL021 30+25W	Mp-Am	2012	8/21/2012	MAP	556734.44	5434363.89	11N	
GFL021 30+50W	Mp-Am	2012	8/21/2012	MAP	556708.89	5434359.78	11N	
GFL021 30+75W	Mp-Am	2012	8/21/2012	MAP	556683.33	5434355.67	11N	
GFL021 31+00W	Mp-M	2012	8/21/2012	MAP	556657.78	5434351.56	11N	
GFL021 31+25W	Mp-M	2012	8/21/2012	MAP	556632.22	5434347.44	11N	
GFL021 31+50W	Mp-Am	2012	8/21/2012	MAP	556606.67	5434343.33	11N	
GFL021 31+75W	Mp-Am	2012	8/21/2012	MAP	556581.11	5434339.22	11N	
GFL021 32+00W	Mp-Am	2012	8/21/2012	MAP	556555.56	5434335.11	11N	
GFL021 32+25W	Mp-Am	2012	8/21/2012	GPS	556530	5434331	11N	7
GFL022 00+00	Mp-Am	2012	8/22/2012	GPS	557689	5433744	11N	3
GFL022 00+25E	Mp-Am	2012	8/22/2012	MAP	557708.41	5433725.71	11N	
GFL022 00+50E	Mp-Am	2012	8/22/2012	MAP	557731.36	5433712.5	11N	
GFL022 00+75E	Mp-Am	2012	8/22/2012	MAP	557755.89	5433702.05	11N	
GFL022 01+00E	Mp-Am	2012	8/22/2012	MAP	557781.58	5433697.09	11N	
GFL022 01+25E	Mp-Am	2012	8/22/2012	MAP	557805.17	5433687.23	11N	
GFL022 01+50E	Mp-Am	2012	8/22/2012	NO SAMPLE	557822.39	5433667.82	11N	
GFL022 01+75E	Mp-Am	2012	8/22/2012	MAP	557829.11	5433642.51	11N	
GFL022 02+00E	Mp-Am	2012	8/22/2012	GPS	557832	5433616	11N	5
GFL022 02+25E	Mp-Am	2012	8/22/2012	MAP	557832	5433595.88	11N	
GFL022 02+50E	Mp-Am	2012	8/22/2012	MAP	557832	5433575.75	11N	
GFL022 02+75E	Mp-Am	2012	8/22/2012	MAP	557832	5433555.63	11N	
GFL022 03+00E	Mp-Am	2012	8/22/2012	MAP	557832	5433535.5	11N	
GFL022 03+25E	Mp-Am	2012	8/22/2012	MAP	557832	5433515.38	11N	
GFL022 03+50E	Mp-Am	2012	8/22/2012	MAP	557832	5433495.25	11N	
GFL022 03+75E	Mp-Am	2012	8/22/2012	MAP	557832	5433475.13	11N	
GFL022 04+00E	Mp-Am	2012	8/22/2012	GPS	557832	5433455	11N	7
GFL022 04+25E	Mp-Am	2012	8/22/2012	MAP	557865.61	5433435.43	11N	
GFL022 04+50E	Mp-Am	2012	8/22/2012	MAP	557903.31	5433425.3	11N	
GFL022 04+75E	Mp-Am	2012	8/22/2012	MAP	557941.01	5433415.17	11N	
GFL022 05+00E	Mp-Am	2012	8/22/2012	MAP	557978.71	5433405.03	11N	
GFL022 05+25E	Mp-Am	2012	8/22/2012	MAP	558016.4	5433394.9	11N	
GFL022 05+50E	Mp-Am	2012	8/22/2012	MAP	558037.86	5433374.17	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
GFL022 05+75E	Mp-Am	2012	8/22/2012	MAP	558031.93	5433335.58	11N	
GFL022 06+00E	Mp-Am	2012	8/22/2012	GPS	558026	5433297	11N	12
GFL022 06+25E	Mp-Am	2012	8/22/2012	MAP	558024.88	5433272	11N	
GFL022 06+50E	Mp-Am	2012	8/22/2012	MAP	558023.75	5433247	11N	
GFL022 06+75E	Mp-Am	2012	8/22/2012	MAP	558022.63	5433222	11N	
GFL022 07+00E	Mp-Am	2012	8/22/2012	MAP	558021.5	5433197	11N	
GFL022 07+25E	Mp-Am	2012	8/22/2012	MAP	558020.38	5433172	11N	
GFL022 07+50E	Mp-Am	2012	8/22/2012	MAP	558019.25	5433147	11N	
GFL022 07+75E	Mp-Am	2012	8/22/2012	MAP	558018.13	5433122	11N	
GFL022 08+00E	Mp-Am	2012	8/22/2012	GPS	558017	5433097	11N	4
GFL022 08+25E	Mp-Am	2012	8/22/2012	MAP	558020.76	5433070.2	11N	
GFL022 08+50E	Mp-Am	2012	8/22/2012	MAP	558024.52	5433043.4	11N	
GFL022 08+75E	Mp-Am	2012	8/22/2012	MAP	558033.71	5433018.83	11N	
GFL022 09+00E	Mp-Am	2012	8/22/2012	MAP	558049.95	5432997.18	11N	
GFL022 09+25E	Mp-Am	2012	8/22/2012	MAP	558069.54	5432981.96	11N	
GFL022 09+50E	Mp-Am	2012	8/22/2012	MAP	558096.59	5432981.06	11N	
GFL022 09+75E	Mp-Am	2012	8/22/2012	MAP	558123.53	5432981.36	11N	
GFL022 10+00E	Mp-Am	2012	8/22/2012	GPS	558149.28	5432987.05	11N	5
GFL022 10+25E	Mp-Am	2012	8/22/2012	MAP	558175.73	5432996.54	11N	
GFL022 10+50E	Mp-Am	2012	8/22/2012	MAP	558202.54	5433004.86	11N	
GFL022 10+75E	Mp-Am	2012	8/22/2012	MAP	558229.81	5433011.68	11N	
GFL022 11+00E	Mp-Am	2012	8/22/2012	MAP	558256.6	5433010.95	11N	
GFL022 11+25E	Mp-Am	2012	8/23/2012	MAP	558282.79	5433000.77	11N	
GFL022 11+50E	Mp-Am	2012	8/23/2012	MAP	558303.16	5432983.18	11N	
GFL022 11+75E	Mp-Am	2012	8/23/2012	MAP	558319.22	5432960.11	11N	
GFL022 12+00E	Mp-Am	2012	8/23/2012	GPS	558335.28	5432937.05	11N	4
GFL022 12+25E	Mp-Am	2012	8/23/2012	MAP	558358.32	5432921.43	11N	
GFL022 12+50E	Mp-Am	2012	8/23/2012	MAP	558381.36	5432905.81	11N	
GFL022 12+75E	Mp-Am	2012	8/23/2012	MAP	558404.41	5432890.19	11N	
GFL022 13+00E	Mp-Am	2012	8/23/2012	MAP	558431.28	5432884.75	11N	
GFL022 13+25E	Mp-Am	2012	8/23/2012	MAP	558458.9	5432881.29	11N	
GFL022 13+50E	Mp-Am	2012	8/23/2012	MAP	558486.51	5432881.22	11N	
GFL022 13+75E	Mp-Am	2012	8/23/2012	MAP	558514.11	5432884.9	11N	
GFL022 14+00E	Mp-Am	2012	8/23/2012	GPS	558533.28	5432905.05	11N	9
GFL022 14+25E	Mp-Am	2012	8/23/2012	MAP	558558.84	5432915.82	11N	
GFL022 14+50E	Mp-Am	2012	8/23/2012	MAP	558584.41	5432926.6	11N	
GFL022 14+75E	Mp-Am	2012	8/23/2012	MAP	558609.98	5432937.38	11N	
GFL022 15+00E	Mp-Am	2012	8/23/2012	MAP	558635.03	5432948.86	11N	
GFL022 15+25E	Mp-Am	2012	8/23/2012	MAP	558652.36	5432970.53	11N	
GFL022 15+50E	Mp-Am	2012	8/23/2012	MAP	558668.96	5432992.68	11N	
GFL022 15+75E	Mp-Am	2012	8/23/2012	MAP	558682.25	5433017.04	11N	
GFL022 16+00E	Mp-Am	2012	8/23/2012	GPS	558694.27	5433042.05	11N	5
GFL022 16+25E	Mp-Am	2012	8/23/2012	NO SAMPLE	558706.53	5433066.01	11N	
GFL022 16+50E	Mp-Am	2012	8/23/2012	MAP	558719.3	5433089.47	11N	
GFL022 16+75E	Mp-Am	2012	8/23/2012	MAP	558743.15	5433101.96	11N	
GFL022 17+00E	Mp-Am	2012	8/23/2012	MAP	558767	5433114.45	11N	
GFL022 17+25E	Mp-Am	2012	8/23/2012	MAP	558787.72	5433131.19	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
GFL022 17+50E	Mp-Am	2012	8/23/2012	MAP	558806.75	5433150.23	11N	
GFL022 17+75E	Mp-Am	2012	8/23/2012	MAP	558830.85	5433161.2	11N	
GFL022 18+00E	Mp-Am	2012	8/23/2012	GPS	558856.27	5433170.05	11N	9
GFL022 18+25E	Mp-Am	2012	8/23/2012	MAP	558880.48	5433181.39	11N	
GFL022 18+50E	Mp-Am	2012	8/23/2012	MAP	558904.7	5433192.73	11N	
GFL022 18+75E	Mp-Am	2012	8/23/2012	MAP	558928.91	5433204.07	11N	
GFL022 19+00E	Mp-Am	2012	8/23/2012	MAP	558953.86	5433213.53	11N	
GFL022 19+25E	Mp-Am	2012	8/23/2012	MAP	558979.31	5433221.74	11N	
GFL022 19+50E	Mp-Am	2012	8/23/2012	MAP	559004.76	5433229.94	11N	
GFL022 19+75E	Mp-Am	2012	8/23/2012	MAP	559028.55	5433240.99	11N	
GFL022 20+00E	Mp-Am	2012	8/23/2012	GPS	559048.27	5433259.05	11N	3
GFL022 20+25E	Mp-Am	2012	8/23/2012	MAP	559069.14	5433263.85	11N	
GFL022 20+50E	Mp-Am	2012	8/23/2012	MAP	559090.01	5433268.66	11N	
GFL022 20+75E	Mp-Am	2012	8/23/2012	MAP	559110.88	5433273.46	11N	
GFL022 21+00E	Mp-Am	2012	8/23/2012	MAP	559132.05	5433271.09	11N	
GFL022 21+25E	Mp-Am	2012	8/23/2012	MAP	559152.25	5433266.36	11N	
GFL022 21+50E	Mp-Am	2012	8/23/2012	MAP	559165.1	5433249.23	11N	
GFL022 21+75E	Mp-Am	2012	8/23/2012	MAP	559176.61	5433231.4	11N	
GFL022 22+00E	Mp-Am	2012	8/23/2012	GPS	559183.27	5433211.05	11N	13
GFL022 22+25E	Mp-Am	2012	8/24/2012	MAP	559197.9	5433190.43	11N	
GFL022 22+50E	Mp-Am	2012	8/24/2012	MAP	559215.21	5433172.16	11N	
GFL022 22+75E	Mp-Am	2012	8/24/2012	MAP	559233.71	5433154.93	11N	
GFL022 23+00E	Mp-Am	2012	8/24/2012	MAP	559252.22	5433137.71	11N	
GFL022 23+25E	Mp-Am	2012	8/24/2012	MAP	559270.72	5433120.48	11N	
GFL022 23+50E	Mp-Am	2012	8/24/2012	MAP	559283.03	5433099.93	11N	
GFL022 23+75E	Mp-Am	2012	8/24/2012	MAP	559287.15	5433074.99	11N	
GFL022 24+00E	Mp-Cl	2012	8/24/2012	GPS	559291.27	5433050.05	11N	15
GFL022 24+25E	Mp-Cl	2012	8/24/2012	MAP	559304.43	5433027.46	11N	
GFL022 24+50E	Mp-Cl	2012	8/24/2012	MAP	559317.6	5433004.88	11N	
GFL022 24+75E	Mp-Cl	2012	8/24/2012	MAP	559330.76	5432982.3	11N	
GFL022 25+00E	Mp-Cl	2012	8/24/2012	MAP	559343.09	5432959.28	11N	
GFL022 25+25E	Mp-Cl	2012	8/24/2012	MAP	559354.28	5432935.65	11N	
GFL022 25+50E	Mp-Cl	2012	8/24/2012	MAP	559366.45	5432912.61	11N	
GFL022 25+75E	Mp-Cl	2012	8/24/2012	MAP	559381.82	5432891.47	11N	
GFL022 26+00E	Mp-Cl	2012	8/24/2012	GPS	559405.27	5432882.05	11N	7
GFL022 26+25E	Mp-Cl	2012	8/24/2012	MAP	559436.58	5432879.1	11N	
GFL022 26+50E	Mp-Cl	2012	8/24/2012	MAP	559461.79	5432866	11N	
GFL022 26+75E	Mp-Cl	2012	8/24/2012	GPS	559462.27	5432835.05	11N	3
GFL023 00+00	Mp-Cm	2012	8/24/2012	GPS	559714.27	5434520.05	11N	9
GFL023 00+25W	Mp-Cm	2012	8/24/2012	MAP	559689.77	5434516.42	11N	
GFL023 00+50W	Mp-Cm	2012	8/24/2012	MAP	559665.27	5434512.8	11N	
GFL023 00+75W	Mp-Cm	2012	8/24/2012	MAP	559640.77	5434509.17	11N	
GFL023 01+00W	Mp-Am	2012	8/24/2012	MAP	559616.27	5434505.55	11N	
GFL023 01+25W	Mp-Am	2012	8/24/2012	MAP	559591.77	5434501.92	11N	
GFL023 01+50W	Mp-Am	2012	8/24/2012	MAP	559567.27	5434498.3	11N	
GFL023 01+75W	Mp-Am	2012	8/24/2012	MAP	559542.77	5434494.67	11N	
GFL023 02+00W	Mp-Am	2012	8/24/2012	GPS	559518.27	5434491.05	11N	17

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
GFL023 02+25W	Mp-Am	2012	8/24/2012	MAP	559493.89	5434487.3	11N	
GFL023 02+50W	Mp-Am	2012	8/24/2012	MAP	559469.52	5434483.55	11N	
GFL023 02+75W	Mp-Am	2012	8/24/2012	MAP	559445.14	5434479.8	11N	
GFL023 03+00W	Mp-Am	2012	8/24/2012	MAP	559420.77	5434476.05	11N	
GFL023 03+25W	Mp-Am	2012	8/24/2012	MAP	559396.39	5434472.3	11N	
GFL023 03+50W	Mp-Am	2012	8/24/2012	MAP	559372.02	5434468.55	11N	
GFL023 03+75W	Mp-Am	2012	8/24/2012	MAP	559347.64	5434464.8	11N	
GFL023 04+00W	Mp-Am	2012	8/24/2012	GPS	559323.27	5434461.05	11N	8
GFL023 04+25W	Mp-Am	2012	8/24/2012	MAP	559297.14	5434459.92	11N	
GFL023 04+50W	Mp-Am	2012	8/24/2012	MAP	559271.02	5434458.8	11N	
GFL023 04+75W	Mp-Am	2012	8/24/2012	MAP	559244.89	5434457.67	11N	
GFL023 05+00W	Mp-Am	2012	8/24/2012	MAP	559218.77	5434456.55	11N	
GFL023 05+25W	Mp-Am	2012	8/24/2012	MAP	559192.65	5434455.42	11N	
GFL023 05+50W	Mp-Am	2012	8/24/2012	MAP	559166.52	5434454.3	11N	
GFL023 05+75W	Mp-Am	2012	8/24/2012	MAP	559140.4	5434453.17	11N	
GFL023 06+00W	Mp-Am	2012	8/24/2012	GPS	559114.27	5434452.05	11N	11
GFL023 06+25W	Mp-Am	2012	8/25/2012	MAP	559089.4	5434447.55	11N	
GFL023 06+50W	Mp-Am	2012	8/25/2012	MAP	559064.52	5434443.05	11N	
GFL023 06+75W	Mp-Am	2012	8/25/2012	MAP	559039.65	5434438.55	11N	
GFL023 07+00W	Mp-Am	2012	8/25/2012	MAP	559014.77	5434434.05	11N	
GFL023 07+25W	Mp-Am	2012	8/25/2012	MAP	558989.9	5434429.55	11N	
GFL023 07+50W	Mp-Am	2012	8/25/2012	MAP	558965.02	5434425.05	11N	
GFL023 07+75W	Mp-Am	2012	8/25/2012	MAP	558940.15	5434420.55	11N	
GFL023 08+00W	Mp-Am	2012	8/25/2012	GPS	558915.27	5434416.05	11N	6
GFL023 08+25W	Mp-Am	2012	8/25/2012	MAP	558892.4	5434401.55	11N	
GFL023 08+50W	Mp-Am	2012	8/25/2012	MAP	558869.52	5434387.05	11N	
GFL023 08+75W	Mp-Am	2012	8/25/2012	MAP	558846.65	5434372.55	11N	
GFL023 09+00W	Mp-Am	2012	8/25/2012	MAP	558823.77	5434358.05	11N	
GFL023 09+25W	Mp-Am	2012	8/25/2012	MAP	558800.9	5434343.55	11N	
GFL023 09+50W	Mp-Am	2012	8/25/2012	MAP	558778.02	5434329.05	11N	
GFL023 09+75W	Mp-Am	2012	8/25/2012	MAP	558755.15	5434314.55	11N	
GFL023 10+00W	Mp-Am	2012	8/25/2012	GPS	558732.27	5434300.05	11N	7
GFL023 10+25W	Mp-Am	2012	8/25/2012	MAP	558707.77	5434290.05	11N	
GFL023 10+50W	Mp-Am	2012	8/25/2012	MAP	558683.27	5434280.05	11N	
GFL023 10+75W	Mp-Am	2012	8/25/2012	MAP	558658.77	5434270.05	11N	
GFL023 11+00W	Mp-Am	2012	8/25/2012	MAP	558634.27	5434260.05	11N	
GFL023 11+25W	Mp-Am	2012	8/25/2012	MAP	558609.77	5434250.05	11N	
GFL023 11+50W	Mp-Am	2012	8/25/2012	MAP	558585.27	5434240.05	11N	
GFL023 11+75W	Mp-Am	2012	8/25/2012	MAP	558560.77	5434230.05	11N	
GFL023 12+00W	Mp-Am	2012	8/25/2012	GPS	558536.27	5434220.05	11N	8
GFL023 12+25W	Mp-Am	2012	8/25/2012	MAP	558510.78	5434223.67	11N	
GFL023 12+50W	Mp-Am	2012	8/25/2012	MAP	558485.28	5434227.3	11N	
GFL023 12+75W	Mp-Am	2012	8/25/2012	MAP	558459.78	5434230.92	11N	
GFL023 13+00W	Mp-Am	2012	8/25/2012	MAP	558434.28	5434234.55	11N	
GFL023 13+25W	Mp-Am	2012	8/25/2012	MAP	558408.78	5434238.17	11N	
GFL023 13+50W	Mp-Am	2012	8/25/2012	MAP	558383.28	5434241.8	11N	
GFL023 13+75W	Mp-Am	2012	8/25/2012	MAP	558357.78	5434245.42	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
GFL023 14+00W	Mp-Am	2012	8/25/2012	LS	558332.28	5434249.05	11N	8
GFL023 14+25W	Mp-Am	2012	8/25/2012	MAP	558306.9	5434245.8	11N	
GFL023 14+50W	Mp-Am	2012	8/25/2012	MAP	558281.53	5434242.55	11N	
GFL023 14+75W	Mp-Am	2012	8/25/2012	MAP	558256.15	5434239.3	11N	
GFL023 15+00W	Mp-Am	2012	8/25/2012	MAP	558230.78	5434236.05	11N	
GFL023 15+25W	Mp-Am	2012	8/25/2012	MAP	558205.4	5434232.8	11N	
GFL023 15+50W	Mp-Am	2012	8/25/2012	MAP	558180.03	5434229.55	11N	
GFL023 15+75W	Mp-Am	2012	8/25/2012	MAP	558154.65	5434226.3	11N	
GFL023 16+00W	Mp-Am	2012	8/25/2012	GPS	558129.28	5434223.05	11N	12
GFL023 16+25W	Mp-Am	2012	8/25/2012	MAP	558105.4	5434219.3	11N	
GFL023 16+50W	Mp-Am	2012	8/25/2012	MAP	558081.53	5434215.55	11N	
GFL023 16+75W	Mp-Am	2012	8/25/2012	MAP	558057.65	5434211.8	11N	
GFL023 17+00W	Mp-Am	2012	8/25/2012	MAP	558033.78	5434208.05	11N	
GFL023 17+25W	Mp-Am	2012	8/25/2012	MAP	558009.9	5434204.3	11N	
GFL023 17+50W	Mp-Am	2012	8/25/2012	MAP	557986.03	5434200.55	11N	
GFL023 17+75W	Mp-Am	2012	8/25/2012	MAP	557962.15	5434196.8	11N	
GFL023 18+00W	Mp-Am	2012	8/25/2012	GPS	557938.28	5434193.05	11N	19
GFL024 00+00	Mp-Cm	2012	8/24/2012	MAP	559787.27	5434122.05	11N	
GFL024 00+25W	Mp-Cm	2012	8/24/2012	MAP	559762.02	5434118.17	11N	
GFL024 00+50W	Mp-Cm	2012	8/24/2012	MAP	559736.77	5434114.3	11N	
GFL024 00+75W	Mp-Cm	2012	8/24/2012	MAP	559711.52	5434110.42	11N	
GFL024 01+00W	Mp-Cm	2012	8/24/2012	MAP	559686.27	5434106.55	11N	
GFL024 01+25W	Mp-Cm	2012	8/24/2012	MAP	559661.02	5434102.67	11N	
GFL024 01+50W	Mp-Cm	2012	8/24/2012	MAP	559635.77	5434098.8	11N	
GFL024 01+75W	Mp-Cm	2012	8/24/2012	MAP	559610.52	5434094.92	11N	
GFL024 02+00W	Mp-Cm	2012	8/24/2012	MAP	559585.27	5434091.05	11N	
GFL024 02+25W	Mp-Cm	2012	8/24/2012	MAP	559560.64	5434084.42	11N	
GFL024 02+50W	Mp-Cm	2012	8/24/2012	MAP	559536.02	5434077.8	11N	
GFL024 02+75W	Mp-Am	2012	8/24/2012	MAP	559511.39	5434071.17	11N	
GFL024 03+00W	Mp-Am	2012	8/24/2012	MAP	559486.77	5434064.55	11N	
GFL024 03+25W	Mp-Am	2012	8/24/2012	MAP	559462.14	5434057.92	11N	
GFL024 03+50W	Mp-Am	2012	8/24/2012	MAP	559437.52	5434051.3	11N	
GFL024 03+75W	Mp-Am	2012	8/24/2012	MAP	559412.89	5434044.67	11N	
GFL024 04+00W	Mp-Am	2012	8/24/2012	MAP	559388.27	5434038.05	11N	
GFL024 04+25W	Mp-Am	2012	8/24/2012	MAP	559363.39	5434034.8	11N	
GFL024 04+50W	Mp-Am	2012	8/24/2012	MAP	559338.52	5434031.55	11N	
GFL024 04+75W	Mp-Am	2012	8/24/2012	MAP	559313.64	5434028.3	11N	
GFL024 05+00W	Mp-Am	2012	8/24/2012	MAP	559288.77	5434025.05	11N	
GFL024 05+25W	Mp-Am	2012	8/24/2012	MAP	559263.89	5434021.8	11N	
GFL024 05+50W	Mp-Am	2012	8/24/2012	MAP	559239.02	5434018.55	11N	
GFL024 05+75W	Mp-Am	2012	8/24/2012	MAP	559214.15	5434015.3	11N	
GFL024 06+00W	Mp-Am	2012	8/24/2012	MAP	559189.27	5434012.05	11N	
GFL024 06+25W	Mp-Am	2012	8/24/2012	MAP	559164.65	5434004.05	11N	
GFL024 06+50W	Mp-Am	2012	8/24/2012	MAP	559140.02	5433996.05	11N	
GFL024 06+75W	Mp-Am	2012	8/24/2012	MAP	559115.4	5433988.05	11N	
GFL024 07+00W	Mp-Am	2012	8/24/2012	MAP	559090.77	5433980.05	11N	
GFL024 07+25W	Mp-Am	2012	8/24/2012	MAP	559066.15	5433972.05	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
GFL024 07+50W	Mp-Am	2012	8/24/2012	MAP	559041.52	5433964.05	11N	
GFL024 07+75W	Mp-Am	2012	8/24/2012	MAP	559016.9	5433956.05	11N	
GFL024 08+00W	Mp-Am	2012	8/24/2012	MAP	558992.27	5433948.05	11N	
GFL024 08+25W	Mp-Am	2012	8/24/2012	MAP	558966.65	5433942.05	11N	
GFL024 08+50W	Mp-Am	2012	8/24/2012	MAP	558941.02	5433936.05	11N	
GFL024 08+75W	Mp-Am	2012	8/24/2012	MAP	558915.4	5433930.05	11N	
GFL024 09+00W	Mp-Am	2012	8/24/2012	MAP	558889.77	5433924.05	11N	
GFL024 09+25W	Mp-Am	2012	8/24/2012	MAP	558864.15	5433918.05	11N	
GFL024 09+50W	Mp-Am	2012	8/24/2012	MAP	558838.52	5433912.05	11N	
GFL024 09+75W	Mp-Am	2012	8/24/2012	MAP	558812.9	5433906.05	11N	
GFL024 10+00W	Mp-Am	2012	8/24/2012	MAP	558787.27	5433900.05	11N	
GFL024 10+25W	Mp-Am	2012	8/24/2012	MAP	558762.9	5433903.55	11N	
GFL024 10+50W	Mp-Am	2012	8/24/2012	MAP	558738.52	5433907.05	11N	
GFL024 10+75W	Mp-Am	2012	8/24/2012	MAP	558714.15	5433910.55	11N	
GFL024 11+00W	Mp-Am	2012	8/24/2012	MAP	558689.77	5433914.05	11N	
GFL024 11+25W	Mp-Am	2012	8/24/2012	MAP	558665.4	5433917.55	11N	
GFL024 11+50W	Mp-Am	2012	8/24/2012	MAP	558641.02	5433921.05	11N	
GFL024 11+75W	Mp-Am	2012	8/24/2012	MAP	558616.65	5433924.55	11N	
GFL024 12+00W	Mp-Am	2012	8/24/2012	MAP	558592.27	5433928.05	11N	
GFL024 12+25W	Mp-Am	2012	8/24/2012	MAP	558568.15	5433926.17	11N	
GFL024 12+50W	Mp-Am	2012	8/24/2012	MAP	558544.02	5433924.3	11N	
GFL024 12+75W	Mp-Am	2012	8/24/2012	MAP	558519.9	5433922.42	11N	
GFL024 13+00W	Mp-Am	2012	8/24/2012	MAP	558495.78	5433920.55	11N	
GFL024 13+25W	Mp-Am	2012	8/25/2012	MAP	558471.65	5433918.67	11N	
GFL024 13+50W	Mp-Am	2012	8/25/2012	MAP	558447.53	5433916.8	11N	
GFL024 13+75W	Mp-Am	2012	8/25/2012	MAP	558423.4	5433914.92	11N	
GFL024 14+00W	Mp-Am	2012	8/25/2012	MAP	558399.28	5433913.05	11N	
GFL024 14+25W	Mp-Am	2012	8/25/2012	MAP	558374.53	5433908.17	11N	
GFL024 14+50W	Mp-Am	2012	8/25/2012	MAP	558349.78	5433903.3	11N	
GFL024 14+75W	Mp-Am	2012	8/25/2012	MAP	558325.03	5433898.42	11N	
GFL024 15+00W	Mp-Am	2012	8/25/2012	MAP	558300.28	5433893.55	11N	
GFL024 15+25W	Mp-Am	2012	8/25/2012	MAP	558275.53	5433888.67	11N	
GFL024 15+50W	Mp-Am	2012	8/25/2012	MAP	558250.78	5433883.8	11N	
GFL024 15+75W	Mp-Am	2012	8/25/2012	MAP	558226.03	5433878.92	11N	
GFL024 16+00W	Mp-Am	2012	8/25/2012	MAP	558201.28	5433874.05	11N	
GFL024 16+25W	Mp-Am	2012	8/25/2012	MAP	558177.42	5433867.05	11N	
GFL024 16+50W	Mp-Am	2012	8/25/2012	MAP	558153.56	5433860.05	11N	
GFL024 16+75W	Mp-Am	2012	8/25/2012	MAP	558129.71	5433853.05	11N	
GFL024 17+00W	Mp-Am	2012	8/25/2012	MAP	558105.85	5433846.05	11N	
GFL024 17+25W	Mp-Am	2012	8/25/2012	MAP	558081.99	5433839.05	11N	
GFL024 17+50W	Mp-Am	2012	8/25/2012	MAP	558058.14	5433832.05	11N	
GFL024 17+75W	Mp-Am	2012	8/25/2012	MAP	558034.28	5433825.05	11N	
GFL025 00+00	Qt-al	2012	7/10/2012	GPS	558649.64	5440959.02	11N	9
GFL025 00+50W	Qt-al	2012	7/10/2012	MAP	558600.64	5440940.52	11N	
GFL025 01+00W	Qt-al	2012	7/10/2012	MAP	558551.64	5440922.02	11N	
GFL025 01+50W	Qt-al	2012	7/10/2012	MAP	558502.64	5440903.52	11N	
GFL025 02+00W	Qt-al	2012	7/10/2012	GPS	558453.64	5440885.02	11N	14

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
GFL025 02+50W	Qt-al	2012	7/10/2012	MAP	558404.89	5440884.27	11N	
GFL025 03+00W	Qt-al	2012	7/10/2012	MAP	558356.14	5440883.52	11N	
GFL025 03+50W	Qt-al	2012	7/10/2012	MAP	558307.39	5440882.77	11N	
GFL025 04+00W	Mp-Am	2012	7/10/2012	GPS	558258.64	5440882.02	11N	8
GFL026 00+00	Mp-Am	2012	7/10/2012	GPS	558217.64	5440929.02	11N	24
GFL026 00+50E	Mp-Am	2012	7/10/2012	MAP	558263.84	5440942.62	11N	
GFL026 01+00E	Qt-al	2012	7/10/2012	MAP	558310.04	5440956.22	11N	
GFL026 01+50E	Qt-al	2012	7/10/2012	MAP	558356.24	5440969.82	11N	
GFL026 02+00E	Qt-al	2012	7/10/2012	GPS	558402.44	5440983.42	11N	
GFL026 02+50E	Qt-al	2012	7/10/2012	MAP	558448.64	5440997.02	11N	1
GFL026 03+00E	Qt-al	2012	7/10/2012	MAP	558495.3	5440995.02	11N	
GFL026 03+50E	Qt-al	2012	7/10/2012	MAP	558541.97	5440993.02	11N	
GFL026 04+00E	Qt-al	2012	7/10/2012	GPS	558588.64	5440991.02	11N	29
GFL027 00+00	Mp-Am	2012	8/25/2012	MAP	558267.28	5433449.05	11N	
GFL027 00+25E	Mp-Am	2012	8/25/2012	MAP	558293.4	5433450.8	11N	
GFL027 00+50E	Mp-Am	2012	8/25/2012	MAP	558319.53	5433452.55	11N	
GFL027 00+75E	Mp-Am	2012	8/25/2012	MAP	558345.65	5433454.3	11N	
GFL027 01+00E	Mp-Am	2012	8/25/2012	MAP	558371.78	5433456.05	11N	
GFL027 01+25E	Mp-Am	2012	8/25/2012	MAP	558397.9	5433457.8	11N	
GFL027 01+50E	Mp-Am	2012	8/25/2012	MAP	558424.03	5433459.55	11N	
GFL027 01+75E	Mp-Am	2012	8/25/2012	MAP	558450.15	5433461.3	11N	
GFL027 02+00E	Mp-Am	2012	8/25/2012	MAP	558476.28	5433463.05	11N	
GFL027 02+25E	Mp-Am	2012	8/25/2012	MAP	558500.65	5433469.17	11N	
GFL027 02+50E	Mp-Am	2012	8/25/2012	MAP	558525.03	5433475.3	11N	
GFL027 02+75E	Mp-Am	2012	8/25/2012	MAP	558549.4	5433481.42	11N	
GFL027 03+00E	Mp-Am	2012	8/25/2012	MAP	558573.77	5433487.55	11N	
GFL027 03+25E	Mp-Am	2012	8/25/2012	MAP	558598.15	5433493.67	11N	
GFL027 03+50E	Mp-Am	2012	8/25/2012	MAP	558622.52	5433499.8	11N	
GFL027 03+75E	Mp-Am	2012	8/25/2012	MAP	558646.9	5433505.92	11N	
GFL027 04+00E	Mp-Am	2012	8/25/2012	MAP	558671.27	5433512.05	11N	
GFL027 04+25E	Mp-Am	2012	8/25/2012	MAP	558695.02	5433518.3	11N	
GFL027 04+50E	Mp-Am	2012	8/25/2012	MAP	558718.77	5433524.55	11N	
GFL027 04+75E	Mp-Am	2012	8/25/2012	MAP	558742.52	5433530.8	11N	
GFL027 05+00E	Mp-Am	2012	8/25/2012	MAP	558766.27	5433537.05	11N	
GFL028 00+00	Mp-Am	2012	8/24/2012	MAP	554459.3	5440684.04	11N	12
GFL028 00+25E	Mp-Am	2012	8/24/2012	MAP	554488.43	5440688.92	11N	
GFL028 00+50E	Mp-Am	2012	8/24/2012	MAP	554517.55	5440693.79	11N	
GFL028 00+75E	Mp-Am	2012	8/24/2012	MAP	554546.68	5440698.67	11N	
GFL028 01+00E	Mp-Am	2012	8/24/2012	MAP	554575.8	5440703.54	11N	
GFL028 01+25E	Mp-Am	2012	8/24/2012	MAP	554604.93	5440708.42	11N	
GFL028 01+50E	Mp-Am	2012	8/24/2012	MAP	554634.05	5440713.29	11N	
GFL028 01+75E	Mp-Am	2012	8/24/2012	MAP	554663.18	5440718.17	11N	
GFL028 02+00E	Mp-Am	2012	8/24/2012	MAP	554692.3	5440723.04	11N	9
GFL028 02+25E	Mp-Am	2012	8/24/2012	MAP	554719.42	5440726.54	11N	
GFL028 02+50E	Mp-Am	2012	8/24/2012	MAP	554746.55	5440730.04	11N	
GFL028 02+75E	Mp-Am	2012	8/24/2012	MAP	554773.67	5440733.54	11N	
GFL028 03+00E	Mp-Am	2012	8/24/2012	MAP	554800.8	5440737.04	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
GFL028 03+25E	Mp-Am	2012	8/24/2012	MAP	554827.92	5440740.54	11N	
GFL028 03+50E	Mp-Am	2012	8/24/2012	MAP	554855.05	5440744.04	11N	
GFL028 03+75E	Mp-Am	2012	8/24/2012	MAP	554882.17	5440747.54	11N	
GFL028 04+00E	Mp-Am	2012	8/24/2012	MAP	554909.3	5440751.04	11N	9
GFL028 04+25E	Mp-Am	2012	8/24/2012	MAP	554935.42	5440753.42	11N	
GFL028 04+50E	Mp-Am	2012	8/24/2012	MAP	554961.55	5440755.79	11N	
GFL028 04+75E	Mp-Am	2012	8/24/2012	MAP	554987.67	5440758.17	11N	
GFL028 05+00E	Mp-Am	2012	8/24/2012	MAP	555013.8	5440760.54	11N	
GFL028 05+25E	Mp-Am	2012	8/24/2012	MAP	555039.92	5440762.92	11N	
GFL028 05+50E	Mp-Am	2012	8/24/2012	MAP	555066.05	5440765.29	11N	
GFL028 05+75E	Mp-Am	2012	8/24/2012	MAP	555092.17	5440767.67	11N	
GFL028 06+00E	Mp-Am	2012	8/24/2012	MAP	555118.3	5440770.04	11N	8
GFL028 06+25E	Mp-Am	2012	8/24/2012	MAP	555144.17	5440781.54	11N	
GFL028 06+50E	Mp-Am	2012	8/24/2012	MAP	555170.05	5440793.04	11N	
GFL028 06+75E	Mp-Am	2012	8/24/2012	MAP	555195.92	5440804.54	11N	
GFL028 07+00E	Mp-Am	2012	8/24/2012	MAP	555221.8	5440816.04	11N	
GFL028 07+25E	Mp-Am	2012	8/24/2012	MAP	555247.67	5440827.54	11N	
GFL028 07+50E	Mp-Am	2012	8/24/2012	MAP	555273.55	5440839.04	11N	
GFL028 07+75E	Mp-Am	2012	8/24/2012	MAP	555299.42	5440850.54	11N	
GFL028 08+00E	Mp-Am	2012	8/24/2012	MAP	555325.3	5440862.04	11N	1
GFL028 08+25E	Mp-Am	2012	8/24/2012	MAP	555353.55	5440866.42	11N	
GFL028 08+50E	Mp-Am	2012	8/24/2012	MAP	555381.8	5440870.79	11N	
GFL028 08+75E	Mp-Am	2012	8/24/2012	MAP	555410.05	5440875.17	11N	
GFL028 09+00E	Mp-Am	2012	8/24/2012	MAP	555438.29	5440879.54	11N	
GFL028 09+25E	Mp-Am	2012	8/24/2012	MAP	555466.54	5440883.92	11N	
GFL028 09+50E	Mp-Am	2012	8/24/2012	MAP	555494.79	5440888.29	11N	
GFL028 09+75E	Mp-Am	2012	8/24/2012	MAP	555523.04	5440892.67	11N	
GFL028 10+00E	Mp-Am	2012	8/24/2012	MAP	555551.29	5440897.04	11N	8
GFL028 10+25E	Mp-Am	2012	8/25/2012	MAP	555576.29	5440899.67	11N	
GFL028 10+50E	Mp-Am	2012	8/25/2012	MAP	555601.29	5440902.29	11N	
GFL028 10+75E	Mp-Am	2012	8/25/2012	MAP	555626.29	5440904.92	11N	
GFL028 11+00E	Mp-Am	2012	8/25/2012	MAP	555651.29	5440907.54	11N	
GFL028 11+25E	Mp-Am	2012	8/25/2012	MAP	555676.29	5440910.17	11N	
GFL028 11+50E	Mp-Am	2012	8/25/2012	MAP	555701.29	5440912.79	11N	
GFL028 11+75E	Mp-Am	2012	8/25/2012	MAP	555726.29	5440915.42	11N	
GFL028 12+00E	Mp-Am	2012	8/25/2012	MAP	555751.29	5440918.04	11N	14
GFL029 00+00	Mp-M	2012	8/24/2012	MAP	554710.3	5440325.04	11N	
GFL029 00+25E	Mp-M	2012	8/24/2012	MAP	554735.92	5440323.79	11N	
GFL029 00+50E	Mp-Am	2012	8/24/2012	MAP	554761.55	5440322.54	11N	
GFL029 00+75E	Mp-Am	2012	8/24/2012	MAP	554787.17	5440321.29	11N	
GFL029 01+00E	Mp-Am	2012	8/24/2012	MAP	554812.8	5440320.04	11N	
GFL029 01+25E	Mp-Am	2012	8/24/2012	MAP	554838.42	5440318.79	11N	
GFL029 01+50E	Mp-Am	2012	8/24/2012	MAP	554864.05	5440317.54	11N	
GFL029 01+75E	Mp-Am	2012	8/24/2012	MAP	554889.67	5440316.29	11N	
GFL029 02+00E	Mp-Am	2012	8/24/2012	MAP	554915.3	5440315.04	11N	1
GFL029 02+25E	Mp-Am	2012	8/24/2012	MAP	554938.05	5440324.17	11N	
GFL029 02+50E	Mp-Am	2012	8/24/2012	MAP	554960.8	5440333.29	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
GFL029 02+75E	Mp-Am	2012	8/24/2012	MAP	554983.55	5440342.42	11N	
GFL029 03+00E	Mp-Am	2012	8/24/2012	MAP	555006.3	5440351.54	11N	
GFL029 03+25E	Mp-Am	2012	8/24/2012	MAP	555029.05	5440360.67	11N	
GFL029 03+50E	Mp-Am	2012	8/24/2012	MAP	555051.8	5440369.79	11N	
GFL029 03+75E	Mp-Am	2012	8/24/2012	MAP	555074.55	5440378.92	11N	
GFL029 04+00E	Mp-Am	2012	8/24/2012	MAP	555097.3	5440388.04	11N	5
GFL029 04+25E	Mp-Am	2012	8/24/2012	MAP	555120.05	5440394.67	11N	
GFL029 04+50E	Mp-Am	2012	8/24/2012	MAP	555142.8	5440401.29	11N	
GFL029 04+75E	Mp-Am	2012	8/24/2012	MAP	555165.55	5440407.92	11N	
GFL029 05+00E	Mp-Am	2012	8/24/2012	MAP	555188.3	5440414.54	11N	
GFL029 05+25E	Mp-Am	2012	8/24/2012	MAP	555211.05	5440421.17	11N	
GFL029 05+50E	Mp-Am	2012	8/24/2012	MAP	555233.8	5440427.79	11N	
GFL029 05+75E	Mp-Am	2012	8/24/2012	MAP	555256.55	5440434.42	11N	
GFL029 06+00E	Mp-Am	2012	8/24/2012	MAP	555279.3	5440441.04	11N	12
GFL029 06+25E	Mp-Am	2012	8/24/2012	MAP	555302.8	5440446.29	11N	
GFL029 06+50E	Mp-Am	2012	8/24/2012	MAP	555326.3	5440451.54	11N	
GFL029 06+75E	Mp-Am	2012	8/24/2012	MAP	555349.8	5440456.79	11N	
GFL029 07+00E	Mp-Am	2012	8/24/2012	MAP	555373.3	5440462.04	11N	
GFL029 07+25E	Mp-Am	2012	8/24/2012	MAP	555396.8	5440467.29	11N	
GFL029 07+50E	Mp-Am	2012	8/24/2012	MAP	555420.3	5440472.54	11N	
GFL029 07+75E	Mp-Am	2012	8/24/2012	MAP	555443.79	5440477.79	11N	
GFL029 08+00E	Mp-Am	2012	8/24/2012	MAP	555467.29	5440483.04	11N	8
GFL029 08+25E	Mp-Am	2012	8/24/2012	MAP	555490.92	5440484.29	11N	
GFL029 08+50E	Mp-Am	2012	8/24/2012	MAP	555514.54	5440485.54	11N	
GFL029 08+75E	Mp-Am	2012	8/24/2012	MAP	555538.17	5440486.79	11N	
GFL029 09+00E	Mp-Am	2012	8/24/2012	MAP	555561.79	5440488.04	11N	
GFL029 09+25E	Mp-Am	2012	8/24/2012	MAP	555585.42	5440489.29	11N	
GFL029 09+50E	Mp-Am	2012	8/24/2012	MAP	555609.04	5440490.54	11N	
GFL029 09+75E	Mp-Am	2012	8/24/2012	MAP	555632.67	5440491.79	11N	
GFL029 10+00E	Mp-Am	2012	8/24/2012	MAP	555656.29	5440493.04	11N	7
GFL029 10+25E	Mp-Am	2012	8/24/2012	MAP	555681.16	5440495.65	11N	
GFL029 10+50E	Mp-Am	2012	8/24/2012	MAP	555706.02	5440498.26	11N	
GFL029 10+75E	Mp-Am	2012	8/24/2012	MAP	555730.88	5440500.86	11N	
GFL029 11+00E	Mp-Am	2012	8/24/2012	MAP	555755.75	5440503.47	11N	
GFL029 11+25E	Mp-Am	2012	8/24/2012	MAP	555780.61	5440506.07	11N	
GFL029 11+50E	Mp-Am	2012	8/24/2012	MAP	555805.48	5440508.68	11N	
GFL029 11+75E	Mp-Am	2012	8/24/2012	MAP	555830.34	5440511.29	11N	2
GFL029 12+00E	Mp-Am	2012	8/24/2012	MAP	555855.2	5440513.89	11N	
GFL030 00+00	Mp-M	2012	8/25/2012	MAP	555000.3	5439987.04	11N	
GFL030 00+25E	Mp-Am	2012	8/25/2012	MAP	555024.8	5439991.17	11N	
GFL030 00+50E	Mp-Am	2012	8/25/2012	MAP	555049.3	5439995.29	11N	
GFL030 00+75E	Mp-Am	2012	8/25/2012	MAP	555073.8	5439999.42	11N	
GFL030 01+00E	Mp-Am	2012	8/25/2012	MAP	555098.3	5440003.54	11N	
GFL030 01+25E	Mp-Am	2012	8/25/2012	MAP	555122.8	5440007.67	11N	
GFL030 01+50E	Mp-Am	2012	8/25/2012	MAP	555147.3	5440011.79	11N	
GFL030 01+75E	Mp-Am	2012	8/25/2012	MAP	555171.8	5440015.92	11N	
GFL030 02+00E	Mp-Am	2012	8/25/2012	MAP	555196.3	5440020.04	11N	

Sample Number	Geological Unit	Sample Year	Sample Date	Location Method	UTM E	UTM N	UTM ZONE	GPS Accuraccy
GFL030 02+25E	Mp-Am	2012	8/25/2012	MAP	555222.3	5440022.67	11N	
GFL030 02+50E	Mp-Am	2012	8/25/2012	MAP	555248.3	5440025.29	11N	
GFL030 02+75E	Mp-Am	2012	8/25/2012	MAP	555274.3	5440027.92	11N	
GFL030 03+00E	Mp-Am	2012	8/25/2012	MAP	555300.3	5440030.54	11N	
GFL030 03+25E	Mp-Am	2012	8/25/2012	MAP	555326.3	5440033.17	11N	
GFL030 03+50E	Mp-Am	2012	8/25/2012	MAP	555352.3	5440035.79	11N	
GFL030 03+75E	Mp-Am	2012	8/25/2012	MAP	555378.3	5440038.42	11N	
GFL030 04+00E	Mp-Am	2012	8/25/2012	MAP	555404.3	5440041.04	11N	
GFL030 04+25E	Mp-Am	2012	8/25/2012	MAP	555429.05	5440048.17	11N	
GFL030 04+50E	Mp-Am	2012	8/25/2012	MAP	555453.79	5440055.29	11N	
GFL030 04+75E	Mp-Am	2012	8/25/2012	MAP	555478.54	5440062.42	11N	
GFL030 05+00E	Mp-Am	2012	8/25/2012	MAP	555503.29	5440069.54	11N	
GFL030 05+25E	Mp-Am	2012	8/25/2012	MAP	555528.04	5440076.67	11N	
GFL030 05+50E	Mp-Am	2012	8/25/2012	MAP	555552.79	5440083.79	11N	
GFL030 05+75E	Mp-Am	2012	8/25/2012	MAP	555577.54	5440090.92	11N	
GFL030 06+00E	Mp-Am	2012	8/25/2012	MAP	555602.29	5440098.04	11N	1
GFL030 06+25E	Mp-Am	2012	8/25/2012	MAP	555628.67	5440102.79	11N	
GFL030 06+50E	Mp-Am	2012	8/25/2012	MAP	555655.04	5440107.54	11N	
GFL030 06+75E	Mp-Am	2012	8/25/2012	MAP	555681.42	5440112.29	11N	
GFL030 07+00E	Mp-Am	2012	8/25/2012	MAP	555707.79	5440117.04	11N	
GFL030 07+25E	Mp-Am	2012	8/25/2012	MAP	555734.17	5440121.79	11N	
GFL030 07+50E	Mp-Am	2012	8/25/2012	MAP	555760.54	5440126.54	11N	
GFL030 07+75E	Mp-Am	2012	8/25/2012	MAP	555786.92	5440131.29	11N	

Appendix 4.3 - Silt Samples

Sample Number	Sample Year	Sample Date	Location Method	Elevation	UTM E	UTM N	UTM ZONE	GPS Accurracy	Creek Velocity	Tributary	Depth (cm)	Sample Size	Sample Quality
AUGFS001	2012	18-Jun-12	GPS		554828	5442866	11N	8	MED	2	5	4	3
AUGFS002	2012	20-Jun-12	GPS		553862	5441829	11N	16	LOW	2	5	5	3
CRGFS001	2012	11-Jul-12	GPS	1062	556153.9	5438462.1	11N	0.8	HIGH	1	5	4	3
CRGFS002	2012	11-Jul-12	GPS		557793	5438912	11N	9	MED	1	15	4	4
CRGFS003	2012	11-Jul-12	GPS		556352	5438228	11N			1			
CRGFS004	2012	11-Jul-12	GPS		556469	5438228	11N	14	MED	1	15	2	2
CRGFS005	2012	11-Jul-12	GPS	1131	556595	5438077	11N	13	MED	1	5	5	3
CRGFS006	2012	11-Jul-12	GPS	1155	556665	5437878	11N	13	MED	1	5	5	2
CRGFS007	2012	11-Jul-12	GPS		556767	5437692	11N	11	MED	1	5	4	3
CRGFS008	2012	11-Jul-12	GPS	1171	556834	5437568	11N	12	MED	1	5	3	3
CRGFS009	2012	11-Jul-12	GPS	1196	557029	5437470	11N	13	MED	1	5	3	3
CRGFS010	2012	11-Jul-12	GPS	1157	556073	5436168	11N		HIGH	1	15	3	4
CRGFS011	2012	11-Jul-12	GPS	1186	556197	5436074	11N	22	MED	1	5	3	4
CRGFS012	2012	11-Jul-12	GPS	1178	556347	5435966	11N		HIGH	1	15	4	3
CRGFS013	2012	11-Jul-12	GPS		556482	5435878	11N	40	HIGH	1	15	4	3
CRGFS014	2012	11-Jul-12	GPS	1245	556534	5435581	11N	22	MED	1	15	3	3
CRGFS015	2012	11-Jul-12	GPS	1265	556537	5435537	11N	36	MED	2	15	2	2
CRGFS016	2012	11-Jul-12	GPS	1280	556802	5435464	11N	20	HIGH	1	5	4	2
CRGFS017	2012	11-Jul-12	GPS	1238	556969	5435453	11N	6	MED	1	15	3	2
CRGFS018	2012	11-Jul-12	GPS	1239	557079	5435302	11N	9	MED	1	15	4	3
CRGFS019	2012	11-Jul-12	GPS	1278	557213	5435148	11N	11	MED	1	15	3	3
CRGFS020	2012	11-Jul-12	GPS		557351	5435039	11N		MED	2	15	3	2
CRGFS021	2012	11-Jul-12	GPS	1274	557427	5434890	11N		MED	2	15	3	3
CRGFS022	2012	11-Jul-12	GPS		557625	5434790	11N		MED	2	5	4	3
CRGFS023	2012	11-Jul-12	GPS		557576	5435325	11N	45	MED	2	5	2	3
CRGFS024	2012	11-Jul-12	GPS	1278	557275	5435281	11N		MED	2	15	3	2
CRGFS025	2012	11-Jul-12	GPS	920	560654	5439134	11N	17	HIGH	1	5	2	3
CRGFS026	2012	11-Jul-12	MAP		560526	5438973	11N		HIGH	1	5	2	2
CRGFS027	2012	11-Jul-12	MAP		560393	5438817	11N		HIGH	1	5	3	3
CRGFS028	2012	11-Jul-12	MAP		560253	5438063	11N		HIGH	2	5	1	1
CRGFS029	2012	11-Jul-12	MAP		560261	5438116	11N		HIGH	2	5	2	2

Sample Number	Sample Year	Sample Date	Location Method	Elevation	UTM E	UTM N	UTM ZONE	GPS Accurracy	Creek Velocity	Tributary	Depth (cm)	Sample Size	Sample Quality
CRGFS030	2012	11-Jul-12	GPS	1029	557455	5439342	11N	13	MED	1	5	2	2
CRGFS031	2012	11-Jul-12	GPS	1062	557618	5439222	11N	11	MED	1	5	4	3
CRGFS032	2012	11-Jul-12	GPS	1099	557654	5439011	11N	11	MED	1	15	5	4
CRGFS033	2012	11-Jul-12	GPS		557668	5438816	11N	16	MED	1	15	5	4
CRGFS034	2012	11-Jul-12	GPS	1133	557593	5438572	11N	14	MED	1	15	5	3
CRGFS035	2012	11-Jul-12	GPS	1173	557582	5438392	11N	14	MED	1	5	3	2
CRGFS036	2012	11-Jul-12	GPS	1073	557682	5439135	11N	10	MED	2	5	2	2
CRGFS037	2012	11-Jul-12	GPS	1105	557739	5438930	11N	8	MED	2	25	3	4
CRGFS038	2012	11-Jul-12	GPS	1118	557834	5438814	11N	12	MED	2	15	4	3
CRGFS039	2012	11-Jul-12	GPS	1149	557849	5438629	11N	7	MED	2	15	4	3
CRGFS040	2012	11-Jul-12	GPS		557911	5438509	11N	13	MED	2	5	4	3
JSGFS001	2012	28-Jun-12	GPS	887	557924	5440693	11N	14	LOW	2	15	4	4
JSGFS002	2012	28-Jun-12	GPS		557656	5440633	11N	0		0			0
JSGFS003	2012	06-Jul-12	GPS	1117	557590	5438562	11N	7	LOW	2	15	5	4

Appendix V – Analytical Certificates

5.1 – Rock Samples
5.2 - Soil Samples

5.1 Rock Samples

Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada

www.acmelab.com

Client: **TerraLogic Exploration Inc.**
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 Canada

Submitted By: Chris Gallagher
Receiving Lab: Canada-Vancouver
Received: August 07, 2012
Report Date: August 27, 2012
Page: 1 of 2

CERTIFICATE OF ANALYSIS VAN12003672.1

CLIENT JOB INFORMATION

Project: GF2012-001
Shipment ID: GF12-002
P.O. Number
Number of Samples: 9

SAMPLE DISPOSAL

RTRN-PLP Return
DISP-RJT Dispose of Reject After 90 days

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-500	9	Crush, split and pulverize 500 g rock to 200 mesh			VAN
G6	9	Fire Assay Fusion Au - AAS Finish	30	Completed	VAN
1DX	9	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: TerraLogic Exploration Inc.
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7
Canada

CC: Jesse Campbell

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

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Client: **TerraLogic Exploration Inc.**
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 Canada

Project: GF2012-001
Report Date: August 27, 2012

CERTIFICATE OF ANALYSIS VAN12003672.1

	Method	WGHT	G6	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
G1	Prep Blank	<0.01	<0.005	0.2	3.1	3.7	51	<0.1	5.1	4.7	659	2.23	<0.5	<0.5	6.4	74	<0.1	<0.1	<0.1	38	0.52
BKGFR004	Rock	1.32	<0.005	0.1	81.1	2.2	98	<0.1	68.4	49.8	1555	7.14	<0.5	<0.5	0.5	37	<0.1	0.2	<0.1	154	2.62
CRGFR003	Rock	1.03	<0.005	0.9	273.9	9.4	20	0.5	16.0	60.4	155	6.85	417.6	<0.5	9.1	7	0.1	0.6	3.4	17	0.03
CRGFR006	Rock	0.89	<0.005	0.3	228.6	4.7	69	<0.1	40.5	31.6	535	5.16	0.6	4.6	0.6	21	<0.1	0.4	<0.1	161	1.24
CRGFR008	Rock	0.51	<0.005	7.7	75.4	79.5	71	0.2	11.1	8.3	373	3.84	<0.5	<0.5	9.3	14	<0.1	0.1	1.5	20	0.22
CRGFR018	Rock	0.61	<0.005	<0.1	1.1	0.8	25	<0.1	4.7	5.9	242	0.72	<0.5	<0.5	5.8	2	<0.1	<0.1	<0.1	2	0.02
CRGFR019	Rock	0.75	<0.005	<0.1	1.2	4.7	22	<0.1	23.9	10.3	157	2.13	<0.5	<0.5	7.6	2	<0.1	0.1	1.5	6	<0.01
CRGFR020	Rock	0.46	<0.005	<0.1	0.5	0.8	34	<0.1	9.8	7.0	223	1.02	<0.5	<0.5	8.4	4	<0.1	<0.1	<0.1	4	0.02
CRGFR021	Rock	0.44	<0.005	0.2	1.1	2.6	<1	<0.1	1.5	0.3	40	0.35	<0.5	<0.5	11.0	1	<0.1	0.1	<0.1	<2	0.02
CRGFR023	Rock	0.51	<0.005	0.1	1.1	85.8	3	0.1	1.3	0.3	48	0.47	2.2	<0.5	9.3	2	<0.1	0.3	0.4	<2	0.02

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Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

Client: **TerraLogic Exploration Inc.**
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 Canada

Project: GF2012-001
Report Date: August 27, 2012

CERTIFICATE OF ANALYSIS VAN12003672.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
G1	Prep Blank	0.087	13	9	0.64	247	0.155	<20	1.10	0.091	0.54	<0.1	<0.01	2.7	0.3	<0.05	6	<0.5	<0.2
BKGFR004	Rock	0.045	3	38	3.31	51	0.302	<20	3.78	<0.001	<0.01	<0.1	<0.01	9.5	<0.1	<0.05	8	<0.5	<0.2
CRGFR003	Rock	0.013	14	19	0.26	58	0.056	<20	0.81	0.036	0.40	<0.1	<0.01	3.4	0.3	5.00	3	3.5	0.8
CRGFR006	Rock	0.088	7	41	1.49	32	0.301	<20	1.73	0.073	0.24	<0.1	<0.01	3.1	0.2	<0.05	11	<0.5	<0.2
CRGFR008	Rock	0.074	17	12	0.67	58	0.113	<20	1.66	0.011	0.32	<0.1	<0.01	2.2	0.2	0.14	6	<0.5	<0.2
CRGFR018	Rock	0.006	24	3	0.86	26	0.002	<20	0.84	0.002	0.19	<0.1	0.01	0.5	<0.1	<0.05	1	<0.5	<0.2
CRGFR019	Rock	0.005	26	6	0.52	20	0.016	<20	0.47	0.011	0.06	<0.1	<0.01	0.5	<0.1	<0.05	1	<0.5	0.4
CRGFR020	Rock	0.011	58	6	0.90	39	0.003	<20	0.94	0.015	0.20	<0.1	<0.01	0.7	<0.1	<0.05	2	<0.5	<0.2
CRGFR021	Rock	0.011	13	4	<0.01	20	0.003	27	0.14	0.005	0.09	<0.1	<0.01	0.3	<0.1	<0.05	<1	0.8	<0.2
CRGFR023	Rock	0.011	23	7	<0.01	12	0.002	45	0.10	0.005	0.05	<0.1	<0.01	0.3	<0.1	<0.05	<1	0.9	<0.2

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Client: **TerraLogic Exploration Inc.**
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 Canada

Project: GF2012-001
Report Date: August 27, 2012

QUALITY CONTROL REPORT VAN12003672.1

	Method	WGHT	G6	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
Pulp Duplicates																					
REP G1	QC		<0.005																		
CRGFR008	Rock	0.51	<0.005	7.7	75.4	79.5	71	0.2	11.1	8.3	373	3.84	<0.5	<0.5	9.3	14	<0.1	0.1	1.5	20	0.22
REP CRGFR008	QC			8.6	76.4	82.6	70	0.2	11.2	8.3	388	3.88	0.5	<0.5	9.7	15	0.2	0.1	1.4	21	0.23
Reference Materials																					
STD DS9	Standard			15.3	124.9	131.0	313	2.0	42.8	8.4	616	2.48	24.9	115.1	6.8	74	2.5	3.8	7.5	42	0.75
STD OREAS45CA	Standard			0.6	558.0	21.0	66	0.3	271.8	101.6	1068	17.14	2.6	41.5	7.7	16	0.2	<0.1	0.2	238	0.46
STD OXG99	Standard		0.937																		
STD OXK94	Standard		3.698																		
STD OXK94 Expected			3.562																		
STD OXG99 Expected			0.932																		
STD DS9 Expected				12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	118	6.38	69.6	2.4	4.94	6.32	40	0.7201
STD OREAS45CA Expected				1	494	20	60	0.275	240	92	943	15.69	3.8	43	7	15	0.1	0.13	0.19	215	0.4265
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
Prep Wash																					
G1	Prep Blank	<0.01		0.2	3.1	3.7	51	<0.1	5.1	4.7	659	2.23	<0.5	<0.5	6.4	74	<0.1	<0.1	<0.1	38	0.52
G1	Prep Blank		<0.005																		

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Client: **TerraLogic Exploration Inc.**
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 Canada

Project: GF2012-001
Report Date: August 27, 2012

QUALITY CONTROL REPORT VAN12003672.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																			
REP G1	QC																		
CRGFR008	Rock	0.074	17	12	0.67	58	0.113	<20	1.66	0.011	0.32	<0.1	<0.01	2.2	0.2	0.14	6	<0.5	<0.2
REP CRGFR008	QC	0.070	18	13	0.68	64	0.115	<20	1.69	0.012	0.33	0.1	<0.01	2.2	0.2	0.14	6	0.6	<0.2
Reference Materials																			
STD DS9	Standard	0.081	14	131	0.67	327	0.122	<20	1.04	0.089	0.43	2.6	0.24	2.6	5.7	0.17	5	5.8	6.5
STD OREAS45CA	Standard	0.038	17	823	0.16	170	0.159	<20	4.05	0.008	0.08	<0.1	0.04	46.7	<0.1	<0.05	20	1.2	<0.2
STD OXG99	Standard																		
STD OXK94	Standard																		
STD OXK94 Expected																			
STD OXG99 Expected																			
STD DS9 Expected		0.0819	13.3	121	0.6165	330	0.1108		0.9577	0.0853	0.395	2.89	0.2	2.5	5.3	0.1615	4.59	5.2	5.02
STD OREAS45CA Expected		0.0385	15.9	709	0.1358	164	0.128		3.592	0.0075	0.0717		0.03	39.7	0.07	0.021	18.4	0.5	
BLK	Blank																		
BLK	Blank																		
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
Prep Wash																			
G1	Prep Blank	0.087	13	9	0.64	247	0.155	<20	1.10	0.091	0.54	<0.1	<0.01	2.7	0.3	<0.05	6	<0.5	<0.2
G1	Prep Blank																		

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Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada

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Client: **TerraLogic Exploration Inc.**
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 Canada

Submitted By: Chris Gallagher
Receiving Lab: Canada-Vancouver
Received: September 17, 2012
Report Date: October 05, 2012
Page: 1 of 2

CERTIFICATE OF ANALYSIS VAN12004393.1

CLIENT JOB INFORMATION

Project: Goatfell
Shipment ID: GF12-003
P.O. Number
Number of Samples: 9

SAMPLE DISPOSAL

RTRN-PLP Return
DISP-RJT Dispose of Reject After 90 days

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-500	9	Crush, split and pulverize 500 g rock to 200 mesh			VAN
G601	9	Fire Assay Fusion Au - AAS Finish	30	Completed	VAN
1DX1	9	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: TerraLogic Exploration Inc.
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7
Canada

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

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Client: **TerraLogic Exploration Inc.**
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 Canada

Project: Goatfell
Report Date: October 05, 2012

CERTIFICATE OF ANALYSIS VAN12004393.1

Method		WGHT	G6	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
G1	Prep Blank	<0.01	<0.005	0.2	3.6	3.1	49	<0.1	4.1	4.5	619	2.13	<0.5	5.4	4.1	47	<0.1	<0.1	<0.1	35	0.49
AHGFR001	Rock	0.99	<0.005	0.2	13.2	77.0	178	0.2	6.4	3.7	531	1.31	8.2	2.7	5.9	1	0.4	9.9	0.2	<2	0.02
AHGFR002	Rock	1.03	0.008	0.1	15.3	239.4	56	1.3	9.0	5.0	384	1.66	18.9	2.3	9.2	3	<0.1	0.5	6.3	7	0.03
CRGFR034	Rock	2.75	<0.005	0.2	6.2	7.6	46	<0.1	8.6	5.3	308	1.53	6.3	<0.5	9.1	4	<0.1	0.3	<0.1	5	0.02
CRGFR035	Rock	2.04	<0.005	0.1	13.6	6.9	81	<0.1	15.0	7.1	293	2.60	3.8	0.6	8.5	4	<0.1	0.3	<0.1	12	0.05
CRGFR036	Rock	2.38	<0.005	0.3	17.8	63.3	67	<0.1	7.4	3.5	230	1.42	4.4	<0.5	13.6	4	0.3	4.2	0.4	8	0.03
CRGFR037	Rock	1.03	<0.005	0.2	9.4	4.4	49	<0.1	14.8	6.5	194	2.26	1.0	<0.5	12.5	4	<0.1	0.2	0.1	12	0.06
CRGFR040	Rock	0.44	<0.005	1.0	78.2	357.2	148	0.5	29.4	14.9	665	3.13	<0.5	<0.5	7.9	5	0.2	0.2	4.1	13	0.15
CRGFR041	Rock	2.20	<0.005	1.0	3.5	5.1	7	<0.1	24.7	92.8	41	11.67	15.0	3.2	11.5	2	<0.1	0.3	1.5	257	0.02
CRGFR042	Rock	0.89	<0.005	0.6	1.0	1.9	5	<0.1	4.7	6.4	74	2.08	1.1	1.0	6.1	6	<0.1	0.1	0.5	26	<0.01

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Client: **TerraLogic Exploration Inc.**
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 Canada

Project: Goatfell
Report Date: October 05, 2012

CERTIFICATE OF ANALYSIS VAN12004393.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
G1	Prep Blank	0.075	8	10	0.64	257	0.134	<20	0.95	0.062	0.51	<0.1	<0.01	2.2	0.3	<0.05	5	<0.5	<0.2
AHGFR001	Rock	0.017	24	3	0.01	34	<0.001	<20	0.33	0.016	0.09	<0.1	0.01	1.3	<0.1	<0.05	<1	<0.5	<0.2
AHGFR002	Rock	0.013	12	13	0.21	55	0.018	<20	0.74	0.027	0.16	<0.1	<0.01	1.0	<0.1	<0.05	2	<0.5	<0.2
CRGFR034	Rock	0.018	26	9	0.16	57	0.003	<20	0.62	0.024	0.18	<0.1	<0.01	1.0	<0.1	<0.05	2	0.5	<0.2
CRGFR035	Rock	0.028	20	12	0.40	95	0.079	<20	1.21	0.018	0.71	<0.1	<0.01	1.6	0.4	<0.05	3	<0.5	<0.2
CRGFR036	Rock	0.026	29	14	0.14	69	0.040	<20	0.49	0.027	0.26	<0.1	<0.01	1.9	0.1	<0.05	2	<0.5	<0.2
CRGFR037	Rock	0.021	24	13	0.35	92	0.050	<20	1.04	0.015	0.46	<0.1	<0.01	1.5	0.2	<0.05	4	<0.5	<0.2
CRGFR040	Rock	0.049	44	14	0.50	42	0.053	<20	1.25	0.024	0.17	0.1	<0.01	2.1	0.1	<0.05	4	<0.5	0.2
CRGFR041	Rock	0.009	<1	21	0.13	3	0.015	<20	0.66	0.045	0.01	0.4	<0.01	3.4	<0.1	1.78	3	0.7	<0.2
CRGFR042	Rock	0.017	48	15	0.05	23	0.006	<20	0.34	0.047	0.03	<0.1	<0.01	5.0	<0.1	<0.05	2	<0.5	<0.2

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Client: **TerraLogic Exploration Inc.**
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 Canada

Project: Goatfell
Report Date: October 05, 2012

QUALITY CONTROL REPORT VAN12004393.1

	Method	WGHT	G6	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
Pulp Duplicates																					
AHGFR002	Rock	1.03	0.008	0.1	15.3	239.4	56	1.3	9.0	5.0	384	1.66	18.9	2.3	9.2	3	<0.1	0.5	6.3	7	0.03
REP AHGFR002	QC			<0.1	15.9	245.6	57	1.3	9.2	4.8	397	1.63	19.5	2.8	9.3	3	<0.1	0.5	6.5	7	0.03
Reference Materials																					
STD DS9	Standard			12.7	107.9	116.5	320	1.9	41.4	7.7	584	2.36	26.3	117.6	5.0	61	2.2	4.0	5.9	37	0.70
STD OREAS45CA	Standard			0.9	480.8	17.2	56	0.3	236.3	87.4	911	15.10	3.0	38.8	5.6	12	0.1	<0.1	0.2	206	0.41
STD OREAS45EA	Standard			1.3	667.4	12.4	29	0.3	366.5	50.6	393	22.81	7.9	58.7	8.3	3	<0.1	0.2	0.2	291	0.04
STD OXG99	Standard		0.972																		
STD OXK94	Standard		3.709																		
STD OXG99 Expected			0.932																		
STD OXK94 Expected			3.562																		
STD OREAS45CA Expected				1	494	20	60	0.275	240	92	943	15.69	3.8	43	7	15	0.1	0.13	0.19	215	0.4265
STD OREAS45EA Expected					709	14.3	30.6	0	357	52	400	22.65	11.4	50	10.7	4.05				295	0.032
STD DS9 Expected				12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	118	6.38	69.6	2.4	4.94	6.32	40	0.7201
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
Prep Wash																					
G1	Prep Blank	<0.01	<0.005	0.2	3.6	3.1	49	<0.1	4.1	4.5	619	2.13	<0.5	5.4	4.1	47	<0.1	<0.1	<0.1	35	0.49

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Cranbrook BC V1C 2R7 Canada

Project: Goatfell
Report Date: October 05, 2012

QUALITY CONTROL REPORT VAN12004393.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																			
AHGFR002	Rock	0.013	12	13	0.21	55	0.018	<20	0.74	0.027	0.16	<0.1	<0.01	1.0	<0.1	<0.05	2	<0.5	<0.2
REP AHGFR002	QC	0.013	12	14	0.21	57	0.019	<20	0.74	0.027	0.16	<0.1	<0.01	1.1	<0.1	<0.05	2	<0.5	<0.2
Reference Materials																			
STD DS9	Standard	0.084	11	122	0.63	338	0.105	<20	0.91	0.077	0.40	2.7	0.23	2.3	5.4	0.16	4	5.1	4.8
STD OREAS45CA	Standard	0.037	14	793	0.12	159	0.126	<20	3.40	0.006	0.07	<0.1	0.03	41.9	<0.1	<0.05	18	0.6	<0.2
STD OREAS45EA	Standard	0.027	6	957	0.08	155	0.086	<20	3.02	0.018	0.05	<0.1	0.01	76.4	<0.1	<0.05	12	0.6	<0.2
STD OXG99	Standard																		
STD OXK94	Standard																		
STD OXG99 Expected																			
STD OXK94 Expected																			
STD OREAS45CA Expected		0.0385	15.9	709	0.1358	164	0.128		3.592	0.0075	0.0717		0.03	39.7	0.07	0.021	18.4	0.5	
STD OREAS45EA Expected		0.029		849	0.095	139			3.32	0.027	0.053			78	0.072	0.044	11.7		
STD DS9 Expected		0.0819	13.3	121	0.6165	330	0.1108		0.9577	0.0853	0.395	2.89	0.2	2.5	5.3	0.1615	4.59	5.2	5.02
BLK	Blank																		
BLK	Blank																		
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
Prep Wash																			
G1	Prep Blank	0.075	8	10	0.64	257	0.134	<20	0.95	0.062	0.51	<0.1	<0.01	2.2	0.3	<0.05	5	<0.5	<0.2

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5.2 – Soil Samples

Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada

www.acmelab.com

Client: **TerraLogic Exploration Inc.**
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 Canada

Submitted By: Chris Gallagher
Receiving Lab: Canada-Vancouver
Received: July 10, 2012
Report Date: August 02, 2012
Page: 1 of 9

CERTIFICATE OF ANALYSIS VAN12003172.1

CLIENT JOB INFORMATION

Project: Goatfell
Shipment ID: GF12-001
P.O. Number
Number of Samples: 213

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
DISP-RJT-SOIL Immediate Disposal of Soil Reject

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	213	Dry at 60C			VAN
SS80	213	Dry at 60C sieve 100g to -80 mesh			VAN
3B	213	Fire assay fusion Au by ICP-ES	30	Completed	VAN
1DX	213	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: TerraLogic Exploration Inc.
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7
Canada

CC: Jesse Campbell

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

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Client: **TerraLogic Exploration Inc.**
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 Canada

Project: Goatfell
Report Date: August 02, 2012

CERTIFICATE OF ANALYSIS VAN12003172.1

		Method	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Analyte	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
GFL002 00+00	Soil		<2	0.5	14.9	20.7	113	<0.1	22.2	12.1	2897	2.43	3.9	<0.5	4.0	9	0.3	0.3	0.3	36	0.08	0.099
GFL002 00+25W	Soil		<2	0.9	14.4	16.2	79	<0.1	17.9	8.8	540	2.32	4.0	1.2	4.7	8	<0.1	0.2	0.3	35	0.09	0.109
GFL002 00+50W	Soil		<2	0.5	12.4	16.5	79	<0.1	16.8	7.8	1693	1.90	3.0	<0.5	3.0	11	0.2	0.2	0.2	29	0.09	0.064
GFL002 00+75W	Soil		<2	0.6	14.0	18.7	69	<0.1	20.3	8.9	302	2.11	4.6	<0.5	4.6	13	0.2	0.2	0.2	33	0.11	0.075
GFL002 01+00W	Soil		<2	0.6	15.1	16.9	74	0.1	15.4	7.4	1062	1.96	4.4	1.1	3.3	12	0.2	0.1	0.3	33	0.11	0.090
GFL002 01+25W	Soil		2	0.5	6.0	15.1	46	<0.1	6.7	3.2	504	1.88	2.6	<0.5	2.8	5	0.2	0.1	0.3	32	0.06	0.045
GFL002 01+50W	Soil		<2	0.7	11.8	14.5	80	<0.1	13.9	7.9	584	2.54	4.0	0.7	4.6	6	<0.1	0.2	0.3	37	0.05	0.089
GFL002 01+75W	Soil		<2	0.4	10.2	17.8	73	<0.1	15.8	8.5	1158	1.82	2.5	0.6	3.8	9	0.1	0.1	0.3	29	0.06	0.079
GFL002 02+00W	Soil		<2	0.5	12.5	17.1	80	<0.1	16.6	8.6	502	2.10	3.2	<0.5	3.8	7	<0.1	0.1	0.3	32	0.05	0.075
GFL002 02+25W	Soil		3	0.6	13.6	19.0	87	<0.1	16.0	7.8	806	2.30	3.1	<0.5	4.5	6	0.2	0.1	0.3	36	0.06	0.059
GFL002 02+50W	Soil		<2	0.5	11.7	17.2	77	<0.1	16.9	8.6	825	2.15	3.3	<0.5	4.6	6	<0.1	0.1	0.3	29	0.05	0.070
GFL002 02+75W	Soil		<2	0.4	9.6	12.7	57	<0.1	11.4	5.6	1334	1.69	2.2	<0.5	2.7	7	<0.1	<0.1	0.2	28	0.06	0.058
GFL002 03+00W	Soil		3	0.6	11.8	12.5	78	0.1	16.6	7.1	548	1.79	3.3	<0.5	4.8	7	<0.1	0.1	0.2	26	0.06	0.051
GFL002 03+25W	Soil		<2	0.6	12.7	14.5	92	0.2	19.4	15.6	333	1.98	2.7	<0.5	3.4	7	<0.1	0.1	0.2	25	0.05	0.079
GFL002 03+50W	Soil		3	0.7	17.2	14.0	136	0.2	24.2	12.3	469	2.05	3.3	0.9	5.0	7	0.2	0.1	0.2	29	0.06	0.059
GFL002 03+75W	Soil		<2	0.6	12.5	13.1	207	0.2	34.2	12.3	1306	1.77	2.9	<0.5	3.9	8	0.2	0.4	0.3	27	0.06	0.062
GFL002 04+00W	Soil		<2	0.7	10.4	14.8	109	0.1	20.6	9.9	442	2.31	4.8	0.6	4.9	8	0.1	0.3	0.3	32	0.09	0.065
GFL002 04+25W	Soil		4	0.5	7.0	13.5	62	<0.1	10.4	7.1	321	1.80	2.1	<0.5	4.2	5	0.1	0.1	0.3	29	0.03	0.030
GFL002 04+50W	Soil		<2	0.6	10.5	17.9	75	0.2	12.7	9.2	858	2.28	3.7	<0.5	3.7	5	<0.1	0.1	0.3	36	0.04	0.081
GFL002 04+75W	Soil		<2	0.6	13.5	15.3	125	0.2	24.5	12.6	484	2.03	3.7	<0.5	5.2	5	<0.1	0.2	0.3	27	0.04	0.029
GFL002 05+00W	Soil		5	0.3	9.8	13.2	83	0.2	15.4	9.6	889	1.85	2.4	<0.5	4.8	8	<0.1	<0.1	0.2	26	0.06	0.052
GFL002 05+25W	Soil		<2	0.3	11.2	10.7	94	0.2	15.6	7.5	767	1.70	2.5	<0.5	5.1	8	0.1	0.1	0.2	22	0.07	0.063
GFL002 05+50W	Soil		<2	0.4	7.7	9.0	48	0.1	9.7	5.3	354	1.34	2.2	<0.5	4.8	4	<0.1	0.2	0.1	16	0.04	0.019
GFL002 05+75W	Soil		<2	0.5	15.6	14.0	154	0.4	25.5	9.7	1906	1.75	3.4	<0.5	3.6	9	0.3	<0.1	0.2	29	0.07	0.122
GFL002 06+00W	Soil		<2	0.6	14.6	19.5	175	0.3	32.5	16.2	1248	2.19	3.7	<0.5	4.9	9	0.2	0.1	0.2	30	0.07	0.102
GFL002 06+25W	Soil		<2	0.2	11.8	10.7	115	0.2	19.5	9.5	584	1.65	3.1	<0.5	4.6	8	<0.1	0.1	0.2	21	0.05	0.122
GFL002 06+50W	Soil		<2	0.2	11.2	9.3	103	0.1	29.1	8.9	589	1.42	7.7	<0.5	4.2	12	0.1	0.1	0.2	19	0.09	0.017
GFL002 06+75W	Soil		4	0.5	29.5	18.6	198	0.4	63.3	19.4	968	2.74	7.5	<0.5	10.1	15	0.2	0.2	0.3	34	0.11	0.123
GFL002 07+00W	Soil		<2	0.3	12.9	11.1	59	<0.1	17.6	9.7	354	1.63	2.0	<0.5	6.1	7	<0.1	0.1	0.2	19	0.06	0.027
GFL002 07+25W	Soil		<2	0.9	23.1	15.9	169	0.3	30.8	17.9	2001	2.32	3.1	<0.5	5.9	12	0.4	<0.1	0.2	34	0.08	0.138

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Client: **TerraLogic Exploration Inc.**
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 Canada

Project: Goatfell
Report Date: August 02, 2012

CERTIFICATE OF ANALYSIS VAN12003172.1

Method		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
GFL002 00+00	Soil	13	15	0.28	255	0.099	<20	2.21	0.007	0.11	0.1	0.04	1.8	0.2	0.12	8	<0.5	<0.2
GFL002 00+25W	Soil	11	15	0.26	140	0.097	<20	2.84	0.007	0.11	0.1	0.07	2.0	0.2	0.20	8	<0.5	<0.2
GFL002 00+50W	Soil	12	12	0.22	198	0.083	<20	2.55	0.009	0.13	0.1	0.05	1.9	0.3	0.18	7	<0.5	<0.2
GFL002 00+75W	Soil	6	13	0.19	121	0.126	<20	4.42	0.013	0.07	0.2	0.06	2.1	0.2	0.21	10	<0.5	<0.2
GFL002 01+00W	Soil	7	10	0.15	148	0.127	<20	3.30	0.013	0.06	0.1	0.10	2.1	0.2	0.10	10	<0.5	<0.2
GFL002 01+25W	Soil	17	10	0.14	99	0.037	<20	1.34	0.005	0.07	<0.1	0.06	1.1	0.2	0.13	8	<0.5	<0.2
GFL002 01+50W	Soil	12	14	0.21	145	0.093	<20	3.09	0.007	0.11	0.1	0.05	1.9	0.2	0.23	9	<0.5	<0.2
GFL002 01+75W	Soil	12	11	0.19	145	0.070	<20	2.14	0.007	0.10	<0.1	0.03	1.4	0.2	0.15	8	<0.5	<0.2
GFL002 02+00W	Soil	8	13	0.19	158	0.107	<20	2.97	0.010	0.10	0.1	0.03	1.8	0.2	0.14	9	<0.5	<0.2
GFL002 02+25W	Soil	10	14	0.21	165	0.083	<20	2.81	0.008	0.09	<0.1	0.06	1.8	0.2	0.19	9	<0.5	<0.2
GFL002 02+50W	Soil	10	12	0.22	188	0.094	<20	3.02	0.010	0.10	0.1	0.05	1.8	0.2	0.17	8	<0.5	<0.2
GFL002 02+75W	Soil	9	11	0.15	147	0.052	<20	2.36	0.009	0.08	<0.1	0.07	1.4	0.2	0.16	8	<0.5	<0.2
GFL002 03+00W	Soil	10	11	0.17	149	0.087	<20	2.76	0.011	0.09	<0.1	0.08	2.0	0.2	0.15	7	<0.5	<0.2
GFL002 03+25W	Soil	9	4	0.15	144	0.107	<20	3.38	0.014	0.07	0.1	0.06	2.0	0.2	0.14	9	<0.5	<0.2
GFL002 03+50W	Soil	11	13	0.19	161	0.103	<20	2.96	0.011	0.09	0.1	0.06	2.4	0.2	0.16	8	<0.5	<0.2
GFL002 03+75W	Soil	10	11	0.17	178	0.093	<20	2.59	0.012	0.08	<0.1	0.04	1.8	0.2	0.15	8	<0.5	<0.2
GFL002 04+00W	Soil	10	14	0.22	133	0.076	<20	2.75	0.006	0.10	0.1	0.05	1.7	0.2	0.20	7	<0.5	<0.2
GFL002 04+25W	Soil	10	11	0.17	101	0.038	<20	1.68	0.006	0.10	<0.1	0.04	1.4	0.2	0.15	7	<0.5	<0.2
GFL002 04+50W	Soil	10	12	0.17	104	0.076	<20	2.22	0.008	0.08	<0.1	0.07	1.6	0.2	0.18	9	<0.5	<0.2
GFL002 04+75W	Soil	13	13	0.24	106	0.064	<20	1.82	0.006	0.11	<0.1	0.04	1.5	0.3	0.16	6	<0.5	<0.2
GFL002 05+00W	Soil	15	13	0.20	150	0.055	<20	2.00	0.007	0.11	<0.1	0.03	1.8	0.2	0.14	7	<0.5	<0.2
GFL002 05+25W	Soil	13	12	0.21	175	0.079	<20	1.89	0.008	0.14	<0.1	0.05	1.5	0.3	0.17	6	<0.5	<0.2
GFL002 05+50W	Soil	18	8	0.16	88	0.020	<20	1.00	0.002	0.09	<0.1	0.03	0.8	0.2	0.13	4	<0.5	<0.2
GFL002 05+75W	Soil	13	11	0.15	213	0.106	<20	3.11	0.016	0.07	<0.1	0.07	2.4	0.2	0.18	8	<0.5	<0.2
GFL002 06+00W	Soil	12	13	0.20	249	0.088	<20	2.96	0.012	0.09	0.1	0.08	1.9	0.2	0.16	8	<0.5	<0.2
GFL002 06+25W	Soil	14	11	0.18	156	0.038	<20	1.62	0.006	0.14	<0.1	0.04	1.2	0.2	0.14	5	<0.5	<0.2
GFL002 06+50W	Soil	22	10	0.19	62	0.039	<20	1.05	0.007	0.11	<0.1	0.02	1.1	0.2	0.14	4	<0.5	<0.2
GFL002 06+75W	Soil	24	19	0.35	160	0.096	<20	3.39	0.014	0.21	<0.1	0.07	2.9	0.3	0.20	9	<0.5	<0.2
GFL002 07+00W	Soil	20	12	0.24	121	0.036	<20	1.39	0.005	0.13	<0.1	0.01	1.2	0.2	0.15	4	<0.5	<0.2
GFL002 07+25W	Soil	20	14	0.20	268	0.126	<20	3.71	0.017	0.10	0.1	0.10	2.9	0.3	0.16	10	<0.5	<0.2

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Project: Goatfell
Report Date: August 02, 2012

CERTIFICATE OF ANALYSIS VAN12003172.1

		Method	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Analyte	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
GFL002 07+50W	Soil		<2	0.6	32.7	27.7	134	0.4	52.8	22.4	868	3.85	6.9	<0.5	12.1	18	0.2	0.2	0.5	45	0.11	0.074
GFL002 07+75W	Soil		<2	0.7	34.7	24.9	116	0.3	35.9	25.2	773	3.27	5.0	<0.5	9.3	13	0.2	0.2	0.4	43	0.08	0.096
GFL002 08+00W	Soil		<2	0.4	29.4	18.7	70	0.1	24.5	12.2	940	2.30	7.4	<0.5	6.5	21	0.2	0.1	0.3	27	0.17	0.029
GFL002 08+25W	Soil		<2	0.2	9.3	15.0	51	<0.1	11.5	9.0	334	1.50	1.3	1.6	3.8	15	0.1	<0.1	0.2	26	0.10	0.017
GFL002 08+50W	Soil		3	0.9	26.4	22.0	128	0.3	34.9	18.7	936	2.89	4.1	<0.5	12.7	15	0.2	0.2	0.4	37	0.13	0.104
GFL002 08+75W	Soil		<2	0.3	11.2	16.7	96	0.2	20.3	13.0	1371	1.89	2.6	2.2	4.9	13	0.2	<0.1	0.3	27	0.08	0.083
GFL002 09+00W	Soil		3	0.3	12.4	18.7	106	0.2	14.4	8.5	1451	1.91	2.9	1.4	5.7	14	0.3	0.2	0.3	23	0.09	0.085
GFL002 09+25W	Soil		<2	0.5	10.1	17.2	114	0.1	16.1	9.4	883	2.12	2.7	2.6	4.6	25	0.5	0.2	0.3	27	0.13	0.103
GFL002 09+50W	Soil		2	0.4	14.4	22.0	90	<0.1	17.3	7.7	565	2.20	3.1	0.8	6.3	15	0.3	0.2	0.3	26	0.06	0.099
GFL002 09+75W	Soil		<2	0.4	11.0	19.7	102	0.1	15.7	7.3	1154	2.00	2.9	1.1	5.0	13	0.2	0.2	0.3	26	0.08	0.072
GFL002 10+00W	Soil		4	0.4	12.9	16.0	89	<0.1	18.8	8.9	556	2.20	3.6	2.9	5.2	22	0.4	0.2	0.3	29	0.17	0.090
GFL002 10+25W	Soil		<2	0.5	17.2	20.8	143	0.1	27.4	11.7	621	2.47	2.9	2.5	7.1	11	0.2	0.4	0.4	30	0.08	0.069
GFL002 10+50W	Soil		<2	0.8	15.1	32.5	111	<0.1	14.3	11.0	1120	2.77	2.7	3.0	6.1	10	0.1	0.3	0.6	29	0.06	0.086
GFL002 10+75W	Soil		3	0.5	16.8	32.0	224	0.1	29.9	13.4	1906	2.54	4.1	<0.5	6.2	21	0.8	0.3	0.4	27	0.14	0.148
GFL002 11+00W	Soil		<2	0.4	15.2	24.4	129	<0.1	21.8	11.4	1323	2.55	4.3	2.3	6.5	16	0.3	0.3	0.4	30	0.12	0.136
GFL002 11+25W	Soil		5	0.5	12.9	38.3	77	<0.1	18.2	11.7	766	2.38	3.3	1.4	5.8	22	0.2	0.2	0.4	30	0.15	0.046
GFL002 11+50W	Soil		<2	0.5	15.5	45.1	163	0.2	14.2	23.7	2622	2.65	3.2	0.8	4.7	52	0.4	0.3	0.5	27	0.29	0.122
GFL002 11+75W	Soil		2	0.2	10.8	15.1	47	<0.1	9.3	5.7	203	1.68	3.1	1.8	5.9	8	<0.1	0.4	0.2	15	0.06	0.017
GFL002 12+00W	Soil		<2	0.4	15.0	29.4	79	0.1	16.8	10.1	775	2.28	5.3	2.8	5.2	24	0.2	0.3	0.4	28	0.16	0.040
GFL002 12+25W	Soil		2	0.6	15.8	28.4	92	0.1	12.7	11.1	850	2.23	4.3	2.2	5.6	14	0.1	0.2	0.3	29	0.10	0.141
GFL002 12+50W	Soil		<2	0.7	16.6	49.7	81	0.2	14.1	14.6	3100	2.28	3.7	0.5	5.2	21	0.4	0.5	0.4	30	0.14	0.054
GFL002 12+75W	Soil		3	0.4	11.5	22.9	120	0.2	12.3	9.5	987	2.23	4.0	<0.5	3.5	25	0.3	0.2	0.4	30	0.18	0.118
GFL002 13+00W	Soil		<2	0.6	13.5	22.1	99	0.1	14.3	8.8	673	2.00	3.3	0.8	6.5	20	0.1	0.3	0.3	24	0.13	0.080
GFL002 13+25W	Soil		4	0.5	17.2	20.5	73	<0.1	15.4	8.5	416	2.02	4.3	1.9	7.0	19	<0.1	0.7	0.4	21	0.14	0.038
GFL002 13+50W	Soil		<2	0.5	16.6	28.2	82	0.2	21.8	12.8	237	2.76	4.6	0.8	8.1	23	0.2	0.5	0.5	29	0.12	0.037
GFL002 13+75W	Soil		3	0.2	13.8	27.7	79	<0.1	11.2	6.6	328	1.74	4.0	1.5	4.1	16	0.1	0.6	1.4	23	0.14	0.019
GFL002 14+00W	Soil		<2	0.3	11.3	16.7	99	0.4	13.8	8.7	440	1.94	2.1	0.7	6.3	12	0.3	0.2	0.3	20	0.07	0.041
GFL002 14+25W	Soil		<2	0.4	14.7	20.1	122	0.2	19.1	11.1	534	2.22	3.2	<0.5	7.0	15	0.2	0.2	0.4	27	0.10	0.063
GFL002 14+50W	Soil		<2	0.4	15.1	24.6	69	<0.1	19.3	10.9	344	2.32	3.3	<0.5	8.9	20	0.1	0.3	0.4	23	0.10	0.021
GFL002 14+75W	Soil		<2	0.2	9.5	11.5	44	<0.1	8.8	6.4	350	1.55	2.2	1.1	5.4	17	0.1	0.3	0.2	17	0.09	0.014

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	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
GFL002 07+50W	Soil	29	26	0.41	260	0.120	<20	4.60	0.021	0.29	<0.1	0.08	3.5	0.4	0.19	13	<0.5	<0.2
GFL002 07+75W	Soil	27	20	0.31	266	0.128	<20	3.93	0.017	0.18	0.1	0.06	3.0	0.3	0.18	12	<0.5	<0.2
GFL002 08+00W	Soil	34	17	0.30	97	0.058	<20	1.54	0.012	0.19	<0.1	0.03	2.2	0.3	0.16	6	<0.5	<0.2
GFL002 08+25W	Soil	15	19	0.22	119	0.045	<20	1.01	0.011	0.09	<0.1	0.02	1.1	0.2	0.15	5	<0.5	<0.2
GFL002 08+50W	Soil	38	19	0.28	256	0.109	<20	3.97	0.017	0.21	0.1	0.07	3.8	0.4	0.19	10	<0.5	<0.2
GFL002 08+75W	Soil	21	13	0.21	189	0.058	<20	1.95	0.010	0.13	<0.1	0.04	1.5	0.2	0.17	7	<0.5	<0.2
GFL002 09+00W	Soil	19	12	0.23	226	0.069	<20	1.98	0.008	0.18	<0.1	0.09	1.8	0.3	<0.05	7	<0.5	<0.2
GFL002 09+25W	Soil	15	11	0.21	206	0.082	<20	2.26	0.008	0.12	<0.1	0.03	1.8	0.2	<0.05	8	<0.5	<0.2
GFL002 09+50W	Soil	23	13	0.26	175	0.080	<20	2.06	0.006	0.20	0.1	0.04	2.0	0.3	<0.05	7	<0.5	<0.2
GFL002 09+75W	Soil	18	11	0.18	207	0.073	<20	2.39	0.009	0.10	<0.1	0.05	2.0	0.2	<0.05	7	<0.5	<0.2
GFL002 10+00W	Soil	14	11	0.21	165	0.106	<20	3.20	0.012	0.13	<0.1	0.06	2.0	0.2	<0.05	8	<0.5	<0.2
GFL002 10+25W	Soil	26	14	0.27	133	0.096	<20	2.58	0.010	0.18	<0.1	0.03	2.7	0.3	<0.05	8	<0.5	<0.2
GFL002 10+50W	Soil	26	14	0.30	129	0.093	<20	1.70	0.005	0.20	<0.1	0.05	2.0	0.3	<0.05	8	<0.5	<0.2
GFL002 10+75W	Soil	23	13	0.29	216	0.118	<20	2.62	0.010	0.20	<0.1	0.06	2.4	0.3	<0.05	8	<0.5	<0.2
GFL002 11+00W	Soil	27	14	0.31	264	0.121	<20	2.56	0.007	0.22	<0.1	0.04	2.2	0.3	<0.05	8	<0.5	<0.2
GFL002 11+25W	Soil	20	13	0.27	186	0.091	<20	2.35	0.008	0.16	<0.1	0.04	2.0	0.3	<0.05	8	<0.5	<0.2
GFL002 11+50W	Soil	30	14	0.30	352	0.086	<20	1.72	0.007	0.21	<0.1	0.06	1.8	0.4	<0.05	8	<0.5	<0.2
GFL002 11+75W	Soil	20	9	0.23	105	0.043	<20	1.05	0.003	0.13	<0.1	0.02	1.1	0.2	<0.05	4	<0.5	<0.2
GFL002 12+00W	Soil	14	12	0.25	183	0.117	<20	2.78	0.011	0.14	<0.1	0.05	2.0	0.2	<0.05	8	<0.5	<0.2
GFL002 12+25W	Soil	12	11	0.20	164	0.108	<20	3.05	0.011	0.10	0.1	0.06	1.7	0.2	<0.05	8	<0.5	<0.2
GFL002 12+50W	Soil	43	13	0.23	140	0.113	<20	2.71	0.014	0.10	<0.1	0.07	2.7	0.3	<0.05	9	<0.5	<0.2
GFL002 12+75W	Soil	10	11	0.17	187	0.120	<20	3.11	0.013	0.08	0.1	0.07	1.8	0.2	<0.05	9	<0.5	<0.2
GFL002 13+00W	Soil	18	11	0.20	156	0.087	<20	2.55	0.011	0.11	<0.1	0.04	2.1	0.2	<0.05	7	<0.5	<0.2
GFL002 13+25W	Soil	20	13	0.25	129	0.063	<20	2.06	0.006	0.14	<0.1	0.04	1.7	0.2	<0.05	6	<0.5	<0.2
GFL002 13+50W	Soil	19	17	0.27	159	0.085	<20	2.71	0.008	0.14	0.1	0.09	2.0	0.3	<0.05	9	<0.5	<0.2
GFL002 13+75W	Soil	16	20	0.28	69	0.023	<20	1.05	0.004	0.10	<0.1	<0.01	1.6	0.1	<0.05	4	<0.5	<0.2
GFL002 14+00W	Soil	20	12	0.20	142	0.054	<20	1.83	0.007	0.16	<0.1	0.04	1.7	0.2	<0.05	6	<0.5	<0.2
GFL002 14+25W	Soil	18	13	0.21	161	0.079	<20	2.68	0.009	0.15	<0.1	0.04	2.2	0.2	<0.05	8	<0.5	<0.2
GFL002 14+50W	Soil	20	19	0.26	132	0.058	<20	2.23	0.005	0.21	<0.1	0.03	2.0	0.2	<0.05	6	<0.5	<0.2
GFL002 14+75W	Soil	22	9	0.20	87	0.041	<20	0.97	0.004	0.14	<0.1	0.01	1.1	0.2	<0.05	4	<0.5	<0.2

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Cranbrook BC V1C 2R7 Canada

Project: Goatfell
Report Date: August 02, 2012

CERTIFICATE OF ANALYSIS VAN12003172.1

		Method	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Analyte	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
GFL002 15+00W	Soil		<2	0.6	26.4	39.3	148	0.6	17.0	11.4	458	2.55	6.9	1.8	7.5	11	0.3	0.5	0.5	30	0.08	0.095
GFL002 15+25W	Soil		<2	0.5	12.0	16.3	88	0.1	12.7	7.8	1146	2.16	4.2	1.7	3.5	10	0.2	0.3	0.4	30	0.06	0.111
GFL002 15+50W	Soil		<2	0.5	11.1	16.5	74	<0.1	13.5	8.3	783	2.21	4.5	1.3	4.3	13	0.1	0.2	0.3	30	0.08	0.120
GFL002 15+75W	Soil		2	0.5	14.5	15.5	119	0.2	15.6	9.3	642	2.34	6.0	0.5	4.4	13	0.3	0.4	0.3	34	0.11	0.116
GFL002 16+00W	Soil		3	0.5	12.7	19.5	192	0.3	12.0	9.8	863	2.30	5.6	2.2	3.7	11	0.4	0.3	0.4	33	0.08	0.106
GFL002 16+25W	Soil		<2	0.4	15.2	17.4	103	0.3	9.8	8.1	774	2.02	4.4	1.3	3.4	8	0.2	0.2	0.4	33	0.07	0.049
GFL002 16+50W	Soil		<2	0.4	20.1	14.5	105	0.1	11.9	8.9	910	2.09	5.4	1.5	3.8	10	0.2	0.3	0.2	33	0.08	0.140
GFL002 16+75W	Soil		2	0.7	12.2	18.0	65	<0.1	10.5	8.0	289	2.85	8.2	2.2	2.6	7	<0.1	0.3	0.4	57	0.07	0.061
GFL002 17+00W	Soil		<2	0.4	16.6	21.6	115	0.2	19.1	11.3	1656	2.36	7.0	<0.5	2.7	15	0.3	1.4	0.6	33	0.11	0.067
GFL002 17+25W	Soil		8	0.7	14.5	16.7	93	0.1	17.9	6.2	128	2.19	76.4	<0.5	2.0	17	0.5	0.6	0.8	38	0.11	0.026
GFL002 17+50W	Soil		<2	0.4	9.5	11.8	94	0.2	9.8	6.8	668	1.77	6.2	1.3	2.9	8	0.4	0.3	0.3	25	0.06	0.052
GFL002 17+75W	Soil		<2	0.3	10.4	13.0	68	0.2	6.7	5.4	1148	1.52	9.6	0.6	2.1	10	0.9	1.3	0.7	25	0.05	0.065
GFL002 18+00W	Soil		<2	0.8	21.1	16.4	106	0.3	17.3	10.7	1263	2.25	16.9	1.6	4.3	13	1.1	1.8	0.4	30	0.11	0.084
GFL002 18+25W	Soil		<2	0.6	13.1	12.3	70	<0.1	13.9	10.3	942	2.13	8.0	1.2	3.7	11	0.2	0.8	0.4	32	0.07	0.081
GFL002 18+50W	Soil		<2	0.7	17.0	12.7	78	0.2	16.9	9.5	869	2.20	4.4	1.5	4.1	7	0.1	0.4	0.2	32	0.06	0.083
GFL002 18+75W	Soil		<2	0.8	16.3	11.2	80	0.2	15.4	9.2	1452	2.24	5.8	0.8	3.0	11	<0.1	0.5	0.3	30	0.09	0.136
GFL002 19+00W	Soil		<2	0.7	16.1	11.7	81	0.2	15.7	11.4	1683	2.21	5.8	0.6	3.3	13	0.2	0.1	0.2	34	0.11	0.120
GFL002 19+25W	Soil		<2	0.6	13.4	14.6	90	0.1	18.3	11.2	1393	2.19	3.8	<0.5	2.9	14	0.1	0.2	0.3	31	0.11	0.059
GFL002 19+50W	Soil		<2	0.6	11.3	13.5	74	0.1	14.2	14.1	928	2.56	4.9	<0.5	3.5	16	0.1	0.2	0.4	33	0.15	0.073
GFL002 19+75W	Soil		<2	0.4	11.6	20.3	77	0.1	9.5	8.8	4219	1.88	2.3	<0.5	1.3	14	0.3	0.2	0.4	30	0.10	0.109
GFL002 20+00W	Soil		<2	0.6	15.9	20.6	117	<0.1	18.7	9.0	1192	2.40	5.3	2.3	3.6	10	0.2	0.2	0.3	34	0.10	0.129
GFL002 20+25W	Soil		<2	0.7	8.9	19.0	106	0.1	13.5	8.1	1696	2.08	3.6	<0.5	2.6	13	0.2	0.1	0.3	31	0.17	0.101
GFL002 20+50W	Soil		<2	0.6	13.1	26.1	105	0.2	12.5	10.4	965	2.42	5.4	<0.5	4.2	7	0.2	0.1	0.3	27	0.07	0.145
GFL002 20+75W	Soil		<2	0.8	14.1	13.9	85	<0.1	15.1	9.3	1441	2.24	4.1	<0.5	3.5	9	<0.1	0.1	0.3	32	0.09	0.152
GFL002 21+00W	Soil		<2	0.6	11.7	13.1	65	0.1	10.4	8.2	1556	2.13	3.6	<0.5	1.9	11	0.3	0.1	0.2	33	0.10	0.180
GFL002 21+25W	Soil		2	0.8	15.7	17.6	85	0.1	14.4	8.5	423	2.53	4.5	<0.5	5.5	6	<0.1	0.2	0.2	32	0.05	0.071
GFL003 00+00	Soil		<2	0.6	6.9	5.4	23	<0.1	4.9	2.3	47	1.08	2.7	<0.5	4.0	6	<0.1	0.2	0.2	13	0.06	0.018
GFL003 00+25E	Soil		<2	0.4	8.3	10.2	38	<0.1	6.5	6.5	267	1.39	2.8	<0.5	3.9	10	0.1	<0.1	0.2	14	0.07	0.029
GFL003 00+50E	Soil		<2	0.2	9.5	8.6	38	<0.1	9.0	3.4	187	1.71	1.8	0.5	4.8	7	<0.1	<0.1	0.1	11	0.09	0.021
GFL003 00+75E	Soil		<2	0.2	9.0	7.5	43	<0.1	7.6	4.3	141	1.49	1.6	<0.5	4.7	8	<0.1	<0.1	0.3	13	0.08	0.033

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.

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		Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
GFL002 15+00W	Soil		16	17	0.30	114	0.094	<20	2.72	0.009	0.14	<0.1	0.06	2.6	0.2	<0.05	8	<0.5	<0.2
GFL002 15+25W	Soil		9	13	0.21	182	0.098	<20	2.58	0.007	0.09	0.1	0.07	1.8	0.2	<0.05	8	<0.5	<0.2
GFL002 15+50W	Soil		9	12	0.18	165	0.089	<20	2.56	0.008	0.09	<0.1	0.07	1.8	0.1	<0.05	8	<0.5	<0.2
GFL002 15+75W	Soil		8	15	0.24	155	0.104	<20	2.98	0.009	0.11	<0.1	0.06	2.5	0.2	<0.05	8	<0.5	<0.2
GFL002 16+00W	Soil		7	11	0.17	167	0.126	<20	2.72	0.010	0.07	0.1	0.09	1.6	0.1	<0.05	10	<0.5	<0.2
GFL002 16+25W	Soil		9	11	0.15	136	0.079	<20	2.16	0.009	0.06	0.1	0.10	2.0	0.2	<0.05	9	<0.5	<0.2
GFL002 16+50W	Soil		8	11	0.16	160	0.119	<20	3.55	0.012	0.07	0.1	0.06	2.7	0.1	<0.05	9	<0.5	<0.2
GFL002 16+75W	Soil		8	21	0.43	79	0.075	<20	1.54	0.005	0.07	0.1	0.05	2.2	0.1	<0.05	9	<0.5	<0.2
GFL002 17+00W	Soil		8	16	0.23	142	0.101	<20	2.16	0.011	0.08	<0.1	0.05	2.4	0.1	<0.05	8	<0.5	<0.2
GFL002 17+25W	Soil		7	11	0.13	59	0.117	<20	1.14	0.009	0.06	0.1	0.04	1.2	<0.1	<0.05	10	<0.5	<0.2
GFL002 17+50W	Soil		11	10	0.15	105	0.049	<20	1.46	0.005	0.08	<0.1	0.06	1.3	0.1	<0.05	6	<0.5	<0.2
GFL002 17+75W	Soil		12	7	0.09	97	0.052	<20	0.82	0.006	0.07	<0.1	0.03	1.0	0.1	<0.05	5	<0.5	<0.2
GFL002 18+00W	Soil		11	11	0.18	173	0.051	<20	2.36	0.008	0.09	<0.1	0.05	2.2	0.2	<0.05	7	<0.5	<0.2
GFL002 18+25W	Soil		9	11	0.17	126	0.062	<20	2.35	0.010	0.06	<0.1	0.04	1.9	0.2	<0.05	8	<0.5	<0.2
GFL002 18+50W	Soil		10	13	0.23	124	0.086	<20	3.36	0.010	0.08	<0.1	0.06	2.4	0.1	<0.05	8	<0.5	<0.2
GFL002 18+75W	Soil		8	11	0.16	121	0.079	<20	3.60	0.013	0.06	<0.1	0.05	1.9	0.1	<0.05	8	<0.5	<0.2
GFL002 19+00W	Soil		8	12	0.17	147	0.116	<20	4.01	0.016	0.07	0.1	0.04	2.7	0.2	<0.05	10	<0.5	<0.2
GFL002 19+25W	Soil		10	11	0.21	167	0.086	<20	2.70	0.012	0.08	<0.1	0.06	1.7	0.2	<0.05	8	<0.5	<0.2
GFL002 19+50W	Soil		14	12	0.20	212	0.057	<20	1.98	0.009	0.10	<0.1	0.03	1.4	0.2	<0.05	9	<0.5	<0.2
GFL002 19+75W	Soil		11	10	0.15	244	0.066	<20	1.28	0.007	0.10	<0.1	0.02	1.1	0.2	<0.05	7	<0.5	<0.2
GFL002 20+00W	Soil		10	13	0.24	160	0.108	<20	3.61	0.011	0.10	0.1	0.03	2.1	0.2	<0.05	10	<0.5	<0.2
GFL002 20+25W	Soil		7	11	0.16	200	0.108	<20	3.13	0.012	0.10	<0.1	0.08	1.9	0.1	<0.05	10	<0.5	<0.2
GFL002 20+50W	Soil		17	12	0.20	139	0.043	<20	2.40	0.007	0.08	<0.1	0.06	1.5	0.1	<0.05	8	<0.5	<0.2
GFL002 20+75W	Soil		9	12	0.18	215	0.088	<20	3.48	0.012	0.08	0.1	0.04	2.1	0.1	<0.05	10	<0.5	<0.2
GFL002 21+00W	Soil		5	9	0.11	140	0.140	<20	4.46	0.017	0.05	0.1	0.07	2.1	0.1	<0.05	12	<0.5	<0.2
GFL002 21+25W	Soil		11	15	0.25	136	0.073	<20	3.34	0.008	0.07	0.1	0.06	2.4	0.1	<0.05	8	<0.5	<0.2
GFL003 00+00	Soil		29	6	0.12	40	0.008	<20	0.64	0.001	0.04	<0.1	<0.01	0.5	<0.1	<0.05	4	<0.5	<0.2
GFL003 00+25E	Soil		28	8	0.17	72	0.006	<20	0.81	0.003	0.07	<0.1	0.01	0.7	<0.1	<0.05	3	<0.5	<0.2
GFL003 00+50E	Soil		33	10	0.27	46	0.004	<20	0.83	0.002	0.11	<0.1	0.01	0.7	<0.1	<0.05	3	<0.5	<0.2
GFL003 00+75E	Soil		35	8	0.21	76	0.006	<20	0.85	0.002	0.09	<0.1	<0.01	0.7	0.1	<0.05	3	<0.5	<0.2

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		Method	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Analyte	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
GFL003 01+00E	Soil		<2	0.2	6.1	10.4	41	<0.1	6.8	4.4	417	1.27	1.9	0.8	3.5	6	<0.1	<0.1	0.2	16	0.08	0.038
GFL003 01+25E	Soil		<2	0.4	9.8	15.5	109	0.1	10.9	8.4	1502	2.06	2.4	<0.5	2.8	13	0.2	<0.1	0.3	25	0.15	0.180
GFL003 01+50E	Soil		<2	0.4	20.4	17.5	124	0.2	17.2	12.1	954	2.63	3.9	<0.5	4.1	14	0.2	0.1	0.3	30	0.14	0.280
GFL003 01+75E	Soil		<2	0.5	19.3	17.5	94	0.2	29.6	11.6	304	2.84	4.5	<0.5	5.4	17	0.2	0.1	0.3	29	0.12	0.102
GFL003 02+00E	Soil		<2	0.3	12.6	11.4	61	<0.1	12.4	8.6	316	1.81	4.9	<0.5	4.9	12	0.2	0.2	0.3	15	0.11	0.094
GFL003 02+25E	Soil		<2	0.3	9.1	9.3	32	<0.1	8.1	4.7	95	1.50	2.8	<0.5	4.9	10	<0.1	0.1	0.2	12	0.07	0.016
GFL003 02+50E	Soil		10	0.4	11.9	11.3	47	<0.1	10.9	10.8	209	1.72	3.4	<0.5	4.7	13	<0.1	0.1	0.2	13	0.11	0.022
GFL003 02+75E	Soil		<2	0.8	19.2	15.3	68	0.2	13.5	6.6	142	2.46	7.6	0.8	6.3	23	0.1	0.3	0.3	25	0.21	0.135
GFL003 03+00E	Soil		<2	0.5	11.1	12.6	95	0.1	13.1	10.1	170	2.26	3.8	<0.5	4.2	9	<0.1	0.1	0.2	26	0.08	0.223
GFL003 03+25E	Soil		<2	0.6	13.1	15.3	117	0.1	10.1	9.9	994	2.05	3.8	<0.5	4.2	10	<0.1	0.1	0.2	23	0.09	0.198
GFL003 03+50E	Soil		<2	0.6	28.2	17.4	79	0.2	26.0	17.8	287	3.02	6.3	<0.5	8.1	19	<0.1	0.3	0.3	26	0.18	0.164
GFL003 03+75E	Soil		<2	0.6	16.0	12.7	73	<0.1	16.3	9.1	613	2.02	3.6	0.7	4.9	10	<0.1	0.1	0.2	22	0.09	0.125
GFL003 04+00E	Soil		<2	0.5	8.8	14.3	74	<0.1	10.8	6.6	660	1.62	2.6	<0.5	4.1	7	<0.1	<0.1	0.2	23	0.05	0.103
GFL003 04+25E	Soil		<2	0.6	13.8	14.7	63	0.1	14.0	7.4	389	2.19	4.2	<0.5	6.2	7	<0.1	0.1	0.2	25	0.06	0.085
GFL003 04+50E	Soil		3	0.5	13.1	21.0	87	0.1	15.5	7.4	1086	2.00	3.0	<0.5	3.7	9	0.1	<0.1	0.2	30	0.07	0.163
GFL003 04+75E	Soil		<2	0.5	10.7	14.5	57	0.1	13.2	7.1	1150	1.83	2.2	<0.5	2.7	9	0.1	<0.1	0.2	29	0.07	0.151
GFL003 05+00E	Soil		3	0.4	8.6	14.3	50	<0.1	10.6	6.2	766	1.68	2.3	8.2	2.9	8	<0.1	<0.1	0.3	27	0.07	0.062
GFL003 05+25E	Soil		3	0.3	11.9	10.8	70	<0.1	11.7	7.1	1015	1.71	3.5	<0.5	3.2	7	0.1	0.1	0.2	23	0.07	0.156
GFL003 05+50E	Soil		3	0.4	14.7	16.2	110	0.1	15.8	9.1	937	2.10	3.4	4.9	4.4	12	0.1	0.2	0.3	29	0.07	0.074
GFL003 05+75E	Soil		4	0.4	16.5	13.3	62	<0.1	14.6	7.4	446	1.94	3.3	3.6	5.5	9	0.1	0.2	0.4	25	0.06	0.111
GFL003 06+00E	Soil		<2	0.2	10.0	7.8	36	<0.1	7.2	3.7	136	1.56	1.8	3.1	5.1	4	<0.1	0.2	0.2	17	0.03	0.034
GFL003 06+25E	Soil		<2	0.5	29.1	24.4	120	0.2	26.4	13.0	479	3.63	7.2	2.3	10.6	23	<0.1	0.3	0.6	37	0.23	0.196
GFL003 06+50E	Soil		2	0.2	17.3	14.3	70	<0.1	14.2	7.8	205	2.14	3.6	2.7	6.6	9	0.1	0.2	0.3	26	0.06	0.071
GFL003 06+75E	Soil		8	0.3	17.0	13.0	65	0.2	12.0	8.4	195	2.18	4.1	3.4	4.9	8	<0.1	0.1	0.3	32	0.09	0.045
GFL003 07+00E	Soil		4	0.5	27.5	12.3	39	<0.1	14.9	10.0	234	2.34	4.8	2.5	5.5	12	<0.1	0.2	0.4	38	0.13	0.033
GFL003 07+25E	Soil		5	0.2	17.5	15.1	50	<0.1	16.8	9.6	233	2.36	6.8	4.3	4.4	18	0.1	0.2	0.4	37	0.07	0.444
GFL003 07+50E	Soil		2	0.4	26.3	14.0	69	0.1	22.4	14.0	688	2.26	4.4	1.9	4.9	16	0.1	0.2	0.3	33	0.15	0.173
GFL003 07+75E	Soil		3	0.3	28.1	16.0	61	0.1	19.5	13.6	530	2.22	5.4	2.0	5.1	18	0.2	0.2	0.4	37	0.18	0.097
GFL003 08+00E	Soil		3	0.5	14.6	13.2	79	0.2	17.2	8.8	384	2.03	4.2	2.2	4.2	10	0.1	<0.1	0.3	32	0.07	0.203
GFL003 08+25E	Soil		<2	0.3	27.0	16.2	118	<0.1	18.9	14.9	631	2.91	8.2	0.5	6.1	10	0.1	0.1	0.5	45	0.09	0.143

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Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 Canada

Project: Goatfell
Report Date: August 02, 2012

CERTIFICATE OF ANALYSIS VAN12003172.1

		Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
GFL003 01+00E	Soil		25	8	0.15	90	0.012	<20	0.94	0.002	0.06	<0.1	0.03	0.7	<0.1	<0.05	4	<0.5	<0.2
GFL003 01+25E	Soil		18	11	0.17	168	0.034	<20	2.15	0.008	0.07	<0.1	0.06	1.3	0.1	<0.05	8	<0.5	<0.2
GFL003 01+50E	Soil		8	13	0.15	223	0.078	<20	4.59	0.012	0.07	<0.1	0.09	2.4	0.1	<0.05	11	<0.5	<0.2
GFL003 01+75E	Soil		12	15	0.24	205	0.057	<20	4.14	0.012	0.11	0.1	0.09	2.1	0.1	<0.05	11	<0.5	<0.2
GFL003 02+00E	Soil		27	9	0.20	90	0.021	<20	1.40	0.005	0.07	<0.1	0.04	1.2	<0.1	<0.05	4	<0.5	<0.2
GFL003 02+25E	Soil		29	8	0.21	68	0.006	<20	0.79	0.001	0.06	<0.1	0.02	0.7	<0.1	<0.05	3	<0.5	<0.2
GFL003 02+50E	Soil		29	10	0.26	104	0.003	<20	0.97	0.002	0.08	<0.1	0.02	0.9	<0.1	<0.05	3	<0.5	<0.2
GFL003 02+75E	Soil		13	13	0.21	103	0.073	<20	3.59	0.012	0.09	<0.1	0.08	2.9	0.1	<0.05	9	<0.5	<0.2
GFL003 03+00E	Soil		10	12	0.17	152	0.069	<20	3.77	0.009	0.05	0.1	0.11	1.7	0.1	<0.05	9	<0.5	<0.2
GFL003 03+25E	Soil		13	11	0.13	188	0.051	<20	2.84	0.009	0.07	<0.1	0.09	1.9	0.2	<0.05	8	<0.5	<0.2
GFL003 03+50E	Soil		14	18	0.40	208	0.032	<20	3.58	0.008	0.12	<0.1	0.08	2.8	0.2	<0.05	9	<0.5	<0.2
GFL003 03+75E	Soil		12	9	0.19	174	0.088	<20	3.46	0.011	0.07	<0.1	0.04	2.5	0.1	<0.05	9	<0.5	<0.2
GFL003 04+00E	Soil		15	9	0.12	179	0.032	<20	2.18	0.007	0.05	<0.1	0.03	1.4	0.2	<0.05	7	<0.5	<0.2
GFL003 04+25E	Soil		17	12	0.18	160	0.051	<20	2.93	0.007	0.06	<0.1	0.06	2.0	0.1	<0.05	7	<0.5	<0.2
GFL003 04+50E	Soil		8	11	0.13	194	0.110	<20	3.87	0.012	0.05	0.1	0.08	2.5	0.2	<0.05	10	<0.5	<0.2
GFL003 04+75E	Soil		6	9	0.11	157	0.101	<20	3.56	0.013	0.05	<0.1	0.06	1.8	0.1	<0.05	11	<0.5	<0.2
GFL003 05+00E	Soil		8	10	0.11	133	0.060	<20	2.27	0.007	0.06	<0.1	0.04	1.3	0.1	<0.05	8	<0.5	<0.2
GFL003 05+25E	Soil		9	11	0.17	108	0.061	<20	1.99	0.005	0.10	<0.1	0.05	1.3	0.1	<0.05	6	<0.5	<0.2
GFL003 05+50E	Soil		12	12	0.20	172	0.064	<20	2.25	0.010	0.10	<0.1	0.02	2.0	0.2	<0.05	7	<0.5	<0.2
GFL003 05+75E	Soil		14	12	0.22	145	0.085	<20	3.00	0.009	0.11	0.1	0.07	2.7	0.2	<0.05	7	<0.5	<0.2
GFL003 06+00E	Soil		13	10	0.23	56	0.047	<20	0.97	0.005	0.16	<0.1	0.01	1.1	0.2	<0.05	4	<0.5	<0.2
GFL003 06+25E	Soil		14	20	0.40	202	0.068	<20	4.07	0.014	0.18	0.1	0.09	3.4	0.2	<0.05	11	<0.5	<0.2
GFL003 06+50E	Soil		16	16	0.30	115	0.068	<20	2.09	0.007	0.18	<0.1	0.05	2.0	0.2	<0.05	5	<0.5	<0.2
GFL003 06+75E	Soil		10	16	0.32	107	0.053	<20	1.84	0.006	0.09	<0.1	0.04	1.9	<0.1	<0.05	4	<0.5	<0.2
GFL003 07+00E	Soil		27	17	0.33	108	0.056	<20	1.65	0.007	0.11	<0.1	0.02	3.6	0.1	<0.05	5	<0.5	<0.2
GFL003 07+25E	Soil		11	17	0.28	135	0.061	<20	2.12	0.007	0.12	0.2	0.04	1.8	0.1	<0.05	7	<0.5	<0.2
GFL003 07+50E	Soil		7	16	0.24	126	0.138	<20	4.18	0.017	0.10	0.2	0.06	3.2	0.1	<0.05	9	<0.5	<0.2
GFL003 07+75E	Soil		14	17	0.32	156	0.096	<20	2.52	0.012	0.10	0.1	0.06	3.3	0.2	<0.05	7	<0.5	<0.2
GFL003 08+00E	Soil		7	10	0.16	147	0.123	<20	3.75	0.014	0.07	0.2	0.04	2.3	0.1	<0.05	9	<0.5	<0.2
GFL003 08+25E	Soil		14	17	0.33	165	0.079	<20	2.44	0.009	0.13	0.1	0.03	2.2	0.2	<0.05	8	<0.5	<0.2

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Project: Goatfell
Report Date: August 02, 2012

CERTIFICATE OF ANALYSIS VAN12003172.1

		Method	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Analyte	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
GFL003 08+50E	Soil		3	0.4	18.7	15.0	84	<0.1	15.5	9.4	977	2.21	3.6	1.1	4.7	14	<0.1	0.1	0.6	34	0.10	0.089
GFL003 08+75E	Soil		6	0.4	29.0	15.1	72	0.1	14.9	10.1	432	2.38	4.4	1.8	5.6	12	<0.1	0.2	1.3	31	0.09	0.103
GFL003 09+00E	Soil		4	0.4	10.2	16.9	77	<0.1	14.7	6.9	1408	1.81	3.9	<0.5	2.7	14	0.3	0.2	0.5	29	0.09	0.098
GFL003 09+25E	Soil		57	0.5	17.6	15.8	64	0.1	17.4	8.4	327	2.22	3.5	2.3	5.7	18	0.1	0.2	0.5	31	0.13	0.082
GFL003 09+50E	Soil		38	0.5	28.2	16.7	49	<0.1	13.8	7.4	347	2.31	4.4	1.3	8.8	8	<0.1	0.3	1.0	27	0.06	0.078
GFL003 09+75E	Soil		23	0.6	18.2	21.1	76	<0.1	21.7	8.8	363	2.47	6.2	1.1	8.2	13	0.1	0.3	0.4	35	0.08	0.087
GFL003 10+00E	Soil		27	0.4	20.5	47.1	70	0.2	32.5	9.7	821	2.02	2.6	<0.5	5.3	19	0.1	0.2	0.4	28	0.14	0.025
GFL003 10+25E	Soil		<2	0.2	16.9	22.9	106	<0.1	22.1	10.4	948	2.22	4.3	4.0	6.2	15	0.1	0.2	0.5	30	0.09	0.168
GFL003 10+50E	Soil		7	0.9	30.1	43.6	125	0.1	27.2	10.6	252	3.75	8.4	3.0	10.8	7	0.1	0.3	0.6	46	0.05	0.266
GFL003 10+75E	Soil		<2	0.9	35.2	28.3	139	0.1	26.8	11.9	393	4.44	11.9	9.7	14.2	10	0.3	0.3	0.5	39	0.07	0.057
GFL003 11+00E	Soil		<2	0.7	25.8	30.1	99	0.2	20.1	11.2	538	2.53	3.2	1.5	7.3	12	0.3	0.2	0.4	35	0.09	0.120
GFL003 11+25E	Soil		<2	0.4	10.7	20.3	110	<0.1	21.4	10.4	1666	2.24	1.9	2.6	4.3	14	0.2	0.2	0.4	33	0.12	0.089
GFL003 11+50E	Soil		<2	0.6	14.6	30.8	72	0.1	14.8	8.2	232	2.43	3.0	1.6	7.1	8	0.1	0.2	0.4	35	0.06	0.083
GFL003 11+75E	Soil		4	0.8	17.8	31.5	111	0.2	25.3	11.7	328	2.70	4.8	1.5	8.3	8	0.3	0.2	0.5	33	0.06	0.139
GFL003 12+00E	Soil		<2	0.5	22.1	39.2	135	<0.1	37.0	15.1	612	3.34	4.3	2.8	10.6	21	0.2	0.2	0.7	34	0.17	0.071
GFL003 12+25E	Soil		3	0.5	14.1	22.5	113	0.1	18.2	8.5	514	2.28	2.9	<0.5	6.1	15	0.6	0.2	0.4	28	0.09	0.134
GFL003 12+50E	Soil		<2	0.3	11.5	28.8	114	0.1	15.8	8.8	1309	1.97	3.6	2.3	4.1	18	0.8	0.2	0.4	26	0.11	0.177
GFL003 12+75E	Soil		<2	0.5	11.4	24.5	91	0.2	18.3	8.8	387	2.06	3.5	1.3	5.3	23	0.8	0.2	0.3	26	0.15	0.181
GFL003 13+00E	Soil		<2	0.5	15.1	21.0	112	0.2	23.0	8.9	231	2.17	2.5	<0.5	7.6	15	0.5	0.1	0.3	27	0.09	0.082
GFL003 13+25E	Soil		<2	0.3	10.9	17.9	82	0.4	16.3	8.2	567	1.85	3.5	2.7	3.1	24	0.6	0.2	0.3	25	0.17	0.385
GFL003 13+50E	Soil		<2	0.3	6.8	13.7	35	<0.1	7.8	4.2	225	1.41	1.7	<0.5	4.7	7	<0.1	0.2	0.2	15	0.06	0.028
GFL003 13+75E	Soil		<2	0.4	8.3	17.4	91	0.2	25.1	7.6	806	1.67	3.4	<0.5	3.5	34	0.4	0.1	0.2	24	0.21	0.166
GFL003 14+00E	Soil		3	0.5	6.5	22.4	79	0.1	10.2	7.1	693	1.70	2.3	<0.5	3.8	22	0.2	0.1	0.3	24	0.12	0.197
GFL003 14+25E	Soil		2	0.4	17.4	20.7	70	<0.1	14.3	9.7	402	2.26	2.9	2.8	10.6	13	0.1	0.3	0.3	18	0.07	0.054
GFL003 14+50E	Soil		3	0.6	9.6	17.6	88	0.1	16.9	8.6	401	2.01	3.1	<0.5	3.6	15	0.3	0.2	0.3	27	0.10	0.266
GFL003 14+75E	Soil		2	0.4	13.7	23.9	124	0.1	22.6	11.3	370	2.32	3.5	<0.5	5.9	28	0.4	0.2	0.3	29	0.19	0.165
GFL003 15+00E	Soil		<2	0.7	18.4	19.3	124	0.1	23.3	11.5	317	2.48	3.9	<0.5	5.6	9	0.2	0.3	0.3	32	0.07	0.138
GFL003 15+25E	Soil		<2	0.8	28.3	25.6	95	0.2	29.0	14.2	228	2.63	4.9	<0.5	8.7	18	0.1	0.4	0.4	31	0.10	0.088
GFL003 15+50E	Soil		<2	0.8	23.5	19.0	68	<0.1	16.2	10.5	428	2.37	3.5	<0.5	10.7	11	0.1	0.7	0.3	16	0.11	0.038
GFL003 15+75E	Soil		<2	0.5	16.4	26.1	155	<0.1	34.2	12.2	492	3.36	4.2	<0.5	5.8	14	0.1	0.3	0.5	34	0.08	0.125

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Project: Goatfell
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Method		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
GFL003 08+50E	Soil	10	13	0.27	253	0.114	<20	2.51	0.013	0.14	<0.1	0.05	2.1	0.2	<0.05	8	<0.5	<0.2
GFL003 08+75E	Soil	16	14	0.27	206	0.094	<20	2.38	0.008	0.13	0.1	0.04	2.0	0.2	<0.05	8	<0.5	<0.2
GFL003 09+00E	Soil	9	11	0.17	222	0.114	<20	2.22	0.013	0.08	<0.1	0.05	1.5	0.2	<0.05	8	<0.5	<0.2
GFL003 09+25E	Soil	14	12	0.23	219	0.136	<20	3.41	0.014	0.11	<0.1	0.05	2.6	0.2	<0.05	9	<0.5	<0.2
GFL003 09+50E	Soil	42	16	0.31	99	0.065	<20	1.69	0.005	0.19	<0.1	0.03	2.0	0.2	<0.05	5	<0.5	<0.2
GFL003 09+75E	Soil	23	21	0.33	149	0.100	<20	2.64	0.007	0.11	0.2	0.07	2.2	0.2	<0.05	8	<0.5	<0.2
GFL003 10+00E	Soil	37	26	0.39	104	0.070	<20	1.74	0.012	0.13	<0.1	0.02	2.4	0.2	<0.05	6	<0.5	<0.2
GFL003 10+25E	Soil	18	17	0.33	255	0.093	<20	2.33	0.010	0.18	<0.1	0.02	2.2	0.3	<0.05	7	<0.5	<0.2
GFL003 10+50E	Soil	30	26	0.53	81	0.149	<20	3.59	0.007	0.28	0.2	0.08	4.0	0.4	<0.05	10	0.8	<0.2
GFL003 10+75E	Soil	21	26	0.75	141	0.175	<20	2.87	0.006	0.57	0.1	0.07	2.5	0.7	<0.05	9	<0.5	<0.2
GFL003 11+00E	Soil	40	16	0.27	201	0.147	<20	4.14	0.018	0.15	0.1	0.08	5.3	0.3	<0.05	11	<0.5	<0.2
GFL003 11+25E	Soil	11	21	0.27	243	0.125	<20	2.42	0.013	0.13	<0.1	0.04	1.9	0.3	<0.05	9	<0.5	<0.2
GFL003 11+50E	Soil	28	15	0.26	142	0.093	<20	2.49	0.009	0.12	0.1	0.07	2.4	0.2	<0.05	8	<0.5	<0.2
GFL003 11+75E	Soil	32	16	0.29	116	0.117	<20	3.33	0.009	0.17	0.2	0.08	2.6	0.2	<0.05	9	<0.5	<0.2
GFL003 12+00E	Soil	73	22	0.49	167	0.112	<20	2.78	0.008	0.35	<0.1	0.03	2.5	0.5	<0.05	9	<0.5	<0.2
GFL003 12+25E	Soil	29	12	0.26	148	0.136	<20	2.79	0.011	0.22	0.2	0.05	2.5	0.3	<0.05	9	<0.5	<0.2
GFL003 12+50E	Soil	20	11	0.19	212	0.101	<20	2.50	0.013	0.15	0.1	0.05	1.9	0.3	<0.05	8	<0.5	<0.2
GFL003 12+75E	Soil	16	12	0.21	162	0.102	<20	2.86	0.012	0.15	0.2	0.03	2.0	0.2	<0.05	7	<0.5	<0.2
GFL003 13+00E	Soil	21	14	0.27	178	0.111	<20	2.73	0.011	0.18	<0.1	0.04	2.2	0.3	<0.05	7	<0.5	<0.2
GFL003 13+25E	Soil	9	9	0.13	244	0.118	<20	3.13	0.014	0.08	0.1	0.07	1.9	0.1	<0.05	9	<0.5	<0.2
GFL003 13+50E	Soil	22	9	0.21	72	0.044	<20	0.81	0.004	0.21	<0.1	<0.01	0.8	0.3	<0.05	3	<0.5	<0.2
GFL003 13+75E	Soil	9	9	0.16	165	0.119	<20	2.77	0.017	0.11	0.1	0.04	1.8	0.2	<0.05	7	<0.5	<0.2
GFL003 14+00E	Soil	11	8	0.13	213	0.070	<20	1.83	0.007	0.10	0.1	0.03	1.2	0.2	<0.05	7	<0.5	<0.2
GFL003 14+25E	Soil	49	13	0.33	101	0.070	<20	1.41	0.004	0.32	<0.1	0.02	1.7	0.4	<0.05	5	<0.5	<0.2
GFL003 14+50E	Soil	8	9	0.13	183	0.122	<20	3.15	0.011	0.09	0.2	0.05	1.7	0.1	<0.05	10	<0.5	<0.2
GFL003 14+75E	Soil	39	14	0.24	197	0.091	<20	2.41	0.008	0.18	0.1	0.04	1.9	0.2	<0.05	7	<0.5	<0.2
GFL003 15+00E	Soil	14	14	0.24	154	0.099	<20	3.13	0.006	0.13	0.2	0.05	2.6	0.2	<0.05	8	<0.5	<0.2
GFL003 15+25E	Soil	25	15	0.24	238	0.115	<20	4.15	0.015	0.17	0.1	0.05	3.6	0.3	<0.05	10	<0.5	<0.2
GFL003 15+50E	Soil	40	13	0.30	59	0.063	<20	1.09	0.002	0.31	<0.1	<0.01	1.2	0.3	<0.05	4	<0.5	<0.2
GFL003 15+75E	Soil	24	19	0.32	221	0.087	<20	3.39	0.006	0.25	0.1	0.03	2.0	0.3	<0.05	11	<0.5	<0.2

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Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 Canada

Project: Goatfell
Report Date: August 02, 2012

CERTIFICATE OF ANALYSIS VAN12003172.1

		Method	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Analyte	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
GFL003 16+00E	Soil		<2	0.6	17.5	29.7	124	<0.1	29.9	15.0	693	2.82	2.9	<0.5	7.0	16	0.2	0.3	0.4	30	0.12	0.136
GFL003 16+25E	Soil		<2	0.5	9.6	21.6	72	<0.1	17.8	9.7	878	2.30	3.0	0.7	4.1	8	0.1	0.3	0.4	30	0.06	0.089
GFL003 16+50E	Soil		3	0.6	18.8	29.8	59	<0.1	26.2	64.9	415	2.52	5.7	0.6	5.0	26	<0.1	0.2	0.6	22	0.24	0.034
GFL003 16+75E	Soil		<2	1.0	41.8	39.2	159	0.1	53.0	24.3	502	4.60	6.5	<0.5	13.7	19	<0.1	0.4	0.9	43	0.13	0.082
GFL003 17+00E	Soil		<2	0.5	23.0	26.2	127	0.1	18.9	12.6	453	2.38	4.7	<0.5	6.4	16	0.3	0.3	0.4	30	0.12	0.134
GFL003 17+25E	Soil		<2	0.5	9.5	22.9	62	<0.1	15.9	11.6	241	2.05	3.7	<0.5	3.3	18	0.2	0.2	0.3	32	0.15	0.053
GFL003 17+50E	Soil		<2	0.6	12.8	20.6	93	<0.1	24.8	12.8	107	2.48	3.5	<0.5	5.2	13	0.1	0.3	0.3	27	0.09	0.055
GFL003 17+75E	Soil		3	0.5	18.7	19.0	81	0.2	18.6	10.9	187	2.37	3.8	<0.5	5.6	12	0.1	0.3	0.3	30	0.08	0.103
GFL003 18+00E	Soil		<2	0.7	9.0	14.9	48	<0.1	9.0	7.1	803	2.34	2.3	<0.5	4.8	13	0.1	0.2	0.4	37	0.11	0.036
GFL003 18+25E	Soil		<2	0.8	19.4	19.2	95	0.1	21.1	11.6	291	2.96	4.7	<0.5	6.3	9	0.2	0.4	0.5	32	0.07	0.135
GFL003 18+50E	Soil		<2	0.9	25.2	34.4	136	<0.1	26.8	17.5	446	2.91	4.3	0.8	7.4	15	0.2	0.3	0.4	30	0.14	0.109
GFL003 18+75E	Soil		<2	0.6	20.9	21.5	93	<0.1	19.9	11.0	309	2.35	3.7	<0.5	6.3	18	0.1	0.3	0.3	28	0.11	0.112
GFL003 19+00E	Soil		<2	0.6	12.4	19.9	84	<0.1	19.4	10.2	196	2.34	2.7	<0.5	5.1	10	0.1	0.2	0.4	27	0.06	0.050
GFL003 19+25E	Soil		<2	0.8	18.9	23.6	107	<0.1	27.9	15.6	291	2.58	3.6	<0.5	6.7	18	0.1	0.3	0.3	28	0.11	0.063
GFL003 19+50E	Soil		<2	0.7	21.6	26.4	121	0.1	25.4	14.2	290	2.62	4.9	<0.5	6.6	27	0.3	0.4	0.4	30	0.17	0.113
GFL003 19+75E	Soil		<2	0.4	12.4	29.4	93	0.1	9.5	9.2	596	1.90	3.4	<0.5	5.0	23	0.2	<0.1	0.4	23	0.12	0.136
GFL003 20+00E	Soil		<2	0.4	10.8	29.7	174	0.1	19.8	13.5	699	2.12	5.3	<0.5	4.7	21	0.3	0.2	0.4	25	0.17	0.298
GFL003 20+25E	Soil		<2	0.6	11.8	21.7	115	0.1	18.4	10.5	620	2.07	4.0	<0.5	3.4	18	0.3	0.2	0.3	28	0.11	0.214
GFL003 20+50E	Soil		<2	0.4	10.2	18.7	63	<0.1	13.7	7.6	422	1.75	3.2	<0.5	4.7	22	0.1	0.4	0.2	19	0.19	0.091
GFL003 20+75E	Soil		<2	0.4	13.6	19.8	82	<0.1	19.5	12.2	193	2.10	3.0	<0.5	8.6	10	<0.1	0.2	0.3	19	0.05	0.052
GFL003 21+00E	Soil		<2	0.4	12.6	19.4	74	<0.1	18.7	9.9	457	2.00	3.9	<0.5	6.5	16	0.2	0.2	0.3	21	0.11	0.142
GFL003 21+25E	Soil		<2	0.5	11.5	19.5	61	0.1	17.3	9.8	594	1.94	2.5	<0.5	4.9	19	0.2	0.2	0.3	25	0.12	0.094
GFL003 21+50E	Soil		<2	0.7	17.0	20.9	80	<0.1	19.5	10.1	701	2.18	3.2	<0.5	5.6	12	0.2	0.2	0.4	30	0.10	0.096
GFL003 21+75E	Soil		<2	1.1	15.8	19.5	107	0.3	17.8	14.2	672	2.47	2.4	1.0	5.9	10	0.2	0.2	0.4	31	0.07	0.112
GFL003 22+00E	Soil		<2	0.4	6.9	18.8	53	<0.1	10.7	7.6	416	1.90	2.6	<0.5	5.0	7	0.1	0.1	0.3	25	0.04	0.039
GFL003 22+25E	Soil		<2	0.3	17.6	30.9	181	<0.1	24.8	13.3	1062	2.67	2.9	<0.5	6.2	32	0.2	0.1	0.4	26	0.17	0.182
GFL003 22+50E	Soil		<2	0.7	14.6	24.1	91	<0.1	19.3	10.0	317	2.83	3.0	<0.5	6.1	8	0.1	0.2	0.3	34	0.07	0.059
GFL003 22+75E	Soil		2	0.9	16.7	22.6	95	<0.1	15.4	8.8	494	2.89	4.9	9.6	6.9	7	0.2	0.2	0.3	34	0.06	0.093
GFL003 23+00E	Soil		3	0.8	18.9	21.8	88	<0.1	18.3	9.5	256	3.02	6.2	<0.5	7.7	6	<0.1	0.3	0.3	33	0.05	0.104
GFL003 23+25E	Soil		<2	0.3	10.9	22.2	92	<0.1	12.3	6.4	393	2.55	3.9	<0.5	4.9	10	0.2	0.1	0.4	32	0.09	0.112

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Project: Goatfell
Report Date: August 02, 2012

CERTIFICATE OF ANALYSIS VAN12003172.1

		Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
GFL003 16+00E	Soil		45	16	0.30	196	0.101	<20	2.68	0.007	0.26	0.1	0.04	1.9	0.3	<0.05	9	<0.5	<0.2
GFL003 16+25E	Soil		12	13	0.19	180	0.078	<20	2.38	0.008	0.12	0.1	0.05	1.6	0.2	<0.05	8	<0.5	<0.2
GFL003 16+50E	Soil		50	16	0.32	102	0.014	<20	2.01	0.007	0.18	<0.1	0.02	2.2	0.3	<0.05	5	<0.5	<0.2
GFL003 16+75E	Soil		42	26	0.44	227	0.088	<20	4.69	0.008	0.34	0.1	0.05	3.5	0.4	<0.05	12	<0.5	<0.2
GFL003 17+00E	Soil		22	12	0.16	192	0.124	<20	3.61	0.014	0.11	0.1	0.10	2.9	0.2	<0.05	10	<0.5	<0.2
GFL003 17+25E	Soil		9	10	0.11	153	0.107	<20	3.22	0.013	0.07	0.1	0.05	1.5	0.1	<0.05	10	<0.5	<0.2
GFL003 17+50E	Soil		12	13	0.18	116	0.077	<20	2.89	0.009	0.11	0.1	0.05	1.5	0.2	<0.05	7	<0.5	<0.2
GFL003 17+75E	Soil		10	13	0.23	131	0.121	<20	3.48	0.008	0.14	0.2	0.05	2.1	0.2	<0.05	9	<0.5	<0.2
GFL003 18+00E	Soil		15	13	0.17	124	0.062	<20	1.35	0.005	0.12	<0.1	0.04	1.7	0.2	<0.05	9	<0.5	<0.2
GFL003 18+25E	Soil		19	15	0.29	98	0.099	<20	2.34	0.004	0.19	0.2	0.05	1.8	0.3	<0.05	8	<0.5	<0.2
GFL003 18+50E	Soil		17	14	0.30	145	0.114	<20	2.74	0.007	0.19	0.2	0.05	1.8	0.3	<0.05	9	<0.5	<0.2
GFL003 18+75E	Soil		13	12	0.25	153	0.109	<20	2.77	0.007	0.14	0.2	0.06	1.7	0.2	<0.05	8	<0.5	<0.2
GFL003 19+00E	Soil		13	14	0.28	116	0.098	<20	2.05	0.004	0.18	0.1	0.05	1.5	0.3	<0.05	8	<0.5	<0.2
GFL003 19+25E	Soil		17	13	0.30	117	0.106	<20	2.51	0.007	0.19	0.1	0.04	2.0	0.3	<0.05	7	<0.5	<0.2
GFL003 19+50E	Soil		20	13	0.25	140	0.119	<20	3.09	0.011	0.14	0.2	0.05	1.8	0.2	<0.05	9	<0.5	<0.2
GFL003 19+75E	Soil		19	10	0.14	188	0.044	<20	1.46	0.007	0.13	<0.1	0.02	1.2	0.2	<0.05	7	<0.5	<0.2
GFL003 20+00E	Soil		13	11	0.16	210	0.091	<20	2.34	0.012	0.10	0.1	0.06	1.5	0.2	<0.05	9	<0.5	<0.2
GFL003 20+25E	Soil		8	10	0.13	155	0.110	<20	2.97	0.011	0.08	0.2	0.05	1.6	0.1	<0.05	9	<0.5	<0.2
GFL003 20+50E	Soil		23	10	0.18	125	0.060	<20	1.65	0.006	0.17	<0.1	0.04	1.3	0.2	<0.05	6	<0.5	<0.2
GFL003 20+75E	Soil		25	13	0.25	107	0.058	<20	1.65	0.004	0.24	<0.1	0.03	1.4	0.3	<0.05	5	<0.5	<0.2
GFL003 21+00E	Soil		18	10	0.19	144	0.062	<20	2.27	0.007	0.17	0.1	0.04	1.7	0.3	<0.05	6	<0.5	<0.2
GFL003 21+25E	Soil		14	10	0.17	154	0.069	<20	2.44	0.008	0.11	0.1	0.05	1.7	0.2	<0.05	8	<0.5	<0.2
GFL003 21+50E	Soil		21	13	0.23	138	0.091	<20	2.93	0.009	0.13	0.1	0.06	3.2	0.2	<0.05	8	<0.5	<0.2
GFL003 21+75E	Soil		23	13	0.20	121	0.103	<20	2.40	0.007	0.13	0.1	0.09	2.1	0.4	<0.05	9	<0.5	<0.2
GFL003 22+00E	Soil		25	11	0.17	137	0.044	<20	1.80	0.006	0.17	<0.1	0.04	1.6	0.2	<0.05	7	<0.5	<0.2
GFL003 22+25E	Soil		31	17	0.36	357	0.112	<20	2.29	0.009	0.39	<0.1	0.03	2.0	0.5	<0.05	8	<0.5	<0.2
GFL003 22+50E	Soil		15	15	0.29	157	0.111	<20	2.46	0.006	0.26	0.1	0.04	1.8	0.4	<0.05	9	<0.5	<0.2
GFL003 22+75E	Soil		16	15	0.28	122	0.118	<20	2.51	0.006	0.23	0.2	0.07	2.0	0.3	<0.05	9	<0.5	<0.2
GFL003 23+00E	Soil		20	17	0.35	115	0.131	<20	3.19	0.006	0.31	0.2	0.07	2.6	0.4	<0.05	8	<0.5	<0.2
GFL003 23+25E	Soil		14	13	0.23	192	0.084	<20	1.71	0.006	0.27	0.1	0.03	1.5	0.4	<0.05	10	<0.5	<0.2

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		Method	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Analyte	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
GFL003 23+50E	Soil		2	0.4	15.3	21.3	109	<0.1	22.0	10.8	473	2.59	3.5	1.2	6.3	10	0.1	0.1	0.4	35	0.09	0.080
GFL003 23+75E	Soil		2	0.4	23.7	16.7	114	0.1	21.8	10.0	402	2.60	4.0	1.5	6.8	14	0.2	0.1	0.2	31	0.10	0.124
GFL003 24+00E	Soil		<2	0.6	22.9	19.0	99	0.2	18.9	10.6	272	2.56	4.1	0.6	6.1	10	0.2	<0.1	0.2	36	0.08	0.174
GFL003 24+25E	Soil		2	0.4	22.2	28.0	101	<0.1	21.4	11.4	189	2.84	3.9	<0.5	10.8	8	0.1	0.2	0.2	30	0.06	0.032
GFL003 24+50E	Soil		3	0.5	10.8	20.0	96	<0.1	20.2	10.3	581	2.37	2.7	<0.5	5.0	13	0.2	<0.1	0.2	31	0.10	0.071
GFL003 24+75E	Soil		<2	0.4	11.4	15.6	123	0.1	18.5	9.6	642	2.39	3.5	0.6	3.7	19	0.3	<0.1	0.2	29	0.16	0.198
GFL003 25+00E	Soil		3	0.5	11.2	15.9	135	0.1	18.5	10.0	1210	1.98	3.2	<0.5	4.2	14	0.4	<0.1	0.2	27	0.10	0.227
GFL003 25+25E	Soil		<2	0.4	11.9	17.2	119	0.2	24.3	10.6	790	2.06	3.9	<0.5	3.4	22	0.3	0.1	0.2	30	0.18	0.137
GFL003 25+50E	Soil		<2	0.3	9.3	16.2	119	0.1	20.0	10.3	659	1.93	3.1	<0.5	3.2	15	0.1	<0.1	0.2	28	0.10	0.210
GFL003 25+75E	Soil		<2	0.3	15.4	13.3	57	<0.1	16.4	7.3	207	2.04	2.6	0.6	6.1	10	<0.1	0.2	0.1	20	0.09	0.022
GFL003 26+00E	Soil		<2	0.4	12.9	16.9	106	<0.1	20.8	10.5	375	2.17	2.3	<0.5	6.1	17	0.1	0.1	0.2	24	0.14	0.083
GFL003 26+25E	Soil		<2	0.4	21.0	28.2	115	<0.1	23.8	12.3	894	2.81	3.9	<0.5	8.9	17	0.2	0.1	0.3	26	0.16	0.107
GFL003 26+50E	Soil		<2	0.2	21.0	21.5	109	0.1	23.6	14.2	420	2.97	4.3	3.2	10.3	13	0.1	0.2	0.2	21	0.09	0.117
GFL003 26+75E	Soil		<2	0.2	10.2	14.6	101	<0.1	11.6	6.7	439	2.03	1.6	0.7	5.0	12	0.1	<0.1	0.2	19	0.11	0.100
GFL003 27+00E	Soil		3	0.4	24.8	15.0	82	0.2	17.1	10.0	304	2.31	3.0	0.7	7.6	7	0.1	0.2	0.1	27	0.05	0.076
GFL003 27+25E	Soil		<2	0.5	15.5	19.2	91	<0.1	17.1	11.1	263	2.79	4.0	<0.5	6.9	7	<0.1	0.1	0.2	29	0.06	0.129
GFL003 27+50E	Soil		2	0.4	9.3	16.4	75	0.2	14.9	10.1	484	2.12	2.5	<0.5	4.2	15	<0.1	0.1	0.2	28	0.12	0.045
GFL003 27+75E	Soil		<2	0.2	6.1	15.4	53	<0.1	9.3	4.7	94	1.36	1.5	<0.5	2.8	11	<0.1	<0.1	0.2	23	0.08	0.069
GFL003 28+00E	Soil		<2	0.5	15.6	28.5	115	<0.1	34.6	17.0	183	2.61	3.9	0.5	5.1	17	<0.1	0.2	0.3	35	0.13	0.061
GFL003 28+25E	Soil		<2	0.2	6.6	19.7	54	<0.1	7.5	4.8	597	1.85	2.0	<0.5	3.6	5	<0.1	<0.1	0.3	28	0.04	0.048
GFL003 28+50E	Soil		17	0.5	13.0	16.6	80	<0.1	17.0	8.3	200	2.12	2.4	0.7	5.0	7	0.1	0.1	0.2	27	0.06	0.051
GFL003 28+75E	Soil		<2	0.4	13.1	17.4	112	0.1	25.3	10.5	654	2.22	3.1	<0.5	4.4	14	0.1	0.1	0.2	32	0.11	0.091
GFL003 29+00E	Soil		<2	0.5	19.1	20.1	93	<0.1	24.1	10.2	196	2.68	3.7	0.5	7.3	7	<0.1	0.1	0.3	33	0.07	0.058
GFL003 29+25E	Soil		3	0.4	16.8	13.2	68	0.2	22.5	9.7	368	1.96	2.5	<0.5	5.0	10	<0.1	0.1	0.2	28	0.08	0.068
GFL003 29+50E	Soil		<2	0.3	10.7	13.2	78	<0.1	16.8	8.5	407	1.85	2.4	<0.5	4.5	11	<0.1	0.1	0.2	22	0.08	0.056
GFL003 29+75E	Soil		<2	0.4	11.6	12.3	79	0.2	19.0	11.1	171	2.06	2.4	<0.5	4.9	8	<0.1	<0.1	0.2	26	0.07	0.110
GFL003 30+00E	Soil		<2	0.3	13.1	12.9	84	0.2	15.9	8.6	289	1.95	2.7	0.7	5.1	9	<0.1	<0.1	0.2	26	0.08	0.113
GFL003 30+25E	Soil		<2	0.2	13.5	12.5	60	<0.1	16.2	9.8	190	1.92	1.9	1.0	7.0	7	<0.1	0.1	0.1	20	0.05	0.018
GFL003 30+50E	Soil		<2	0.3	10.9	11.9	76	0.1	14.8	8.1	294	1.86	3.1	0.9	4.5	10	<0.1	0.1	0.1	25	0.10	0.157
GFL003 30+75E	Soil		<2	0.3	10.9	14.3	99	<0.1	15.0	8.4	647	1.85	2.6	0.7	4.2	9	<0.1	<0.1	0.2	25	0.06	0.245

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Project: Goatfell
Report Date: August 02, 2012

CERTIFICATE OF ANALYSIS VAN12003172.1

		Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
GFL003 23+50E	Soil		34	17	0.38	191	0.094	<20	2.33	0.006	0.25	0.1	0.03	1.9	0.4	<0.05	8	<0.5	<0.2
GFL003 23+75E	Soil		25	17	0.40	176	0.110	<20	2.33	0.009	0.38	0.1	0.03	1.9	0.5	<0.05	7	<0.5	<0.2
GFL003 24+00E	Soil		19	14	0.30	182	0.137	<20	4.11	0.014	0.19	0.2	0.08	3.3	0.3	<0.05	10	<0.5	<0.2
GFL003 24+25E	Soil		33	20	0.50	130	0.093	<20	1.96	0.003	0.32	<0.1	0.01	2.4	0.4	<0.05	6	<0.5	<0.2
GFL003 24+50E	Soil		18	16	0.32	242	0.105	<20	2.19	0.009	0.26	<0.1	0.04	1.7	0.4	<0.05	8	<0.5	<0.2
GFL003 24+75E	Soil		24	15	0.28	235	0.107	<20	2.74	0.012	0.29	<0.1	0.04	1.9	0.4	<0.05	8	<0.5	<0.2
GFL003 25+00E	Soil		12	12	0.19	205	0.107	<20	3.19	0.014	0.15	0.1	0.06	2.0	0.3	<0.05	8	<0.5	<0.2
GFL003 25+25E	Soil		9	12	0.20	200	0.122	<20	3.52	0.018	0.16	<0.1	0.05	1.7	0.2	<0.05	9	<0.5	<0.2
GFL003 25+50E	Soil		10	13	0.24	216	0.100	<20	2.39	0.012	0.17	<0.1	0.02	1.6	0.3	<0.05	8	<0.5	<0.2
GFL003 25+75E	Soil		15	15	0.37	101	0.081	<20	1.46	0.004	0.32	<0.1	0.02	1.4	0.4	<0.05	4	<0.5	<0.2
GFL003 26+00E	Soil		18	15	0.34	183	0.083	<20	1.94	0.007	0.38	<0.1	0.03	1.7	0.4	<0.05	6	<0.5	<0.2
GFL003 26+25E	Soil		69	19	0.48	251	0.102	<20	2.23	0.006	0.52	<0.1	0.03	2.0	0.5	<0.05	7	<0.5	<0.2
GFL003 26+50E	Soil		51	16	0.45	175	0.114	<20	2.33	0.009	0.52	<0.1	0.03	2.4	0.6	<0.05	7	<0.5	<0.2
GFL003 26+75E	Soil		21	14	0.34	154	0.049	<20	1.38	0.004	0.28	<0.1	0.02	1.4	0.3	<0.05	6	<0.5	<0.2
GFL003 27+00E	Soil		28	15	0.34	143	0.101	<20	2.52	0.010	0.27	<0.1	0.04	3.1	0.3	<0.05	7	<0.5	<0.2
GFL003 27+25E	Soil		14	18	0.37	132	0.086	<20	2.27	0.005	0.27	0.1	0.04	1.9	0.4	<0.05	6	<0.5	<0.2
GFL003 27+50E	Soil		13	14	0.24	180	0.073	<20	2.00	0.009	0.16	<0.1	0.04	1.5	0.3	<0.05	7	<0.5	<0.2
GFL003 27+75E	Soil		12	8	0.11	98	0.063	<20	1.20	0.007	0.09	<0.1	0.02	0.9	0.2	<0.05	7	<0.5	<0.2
GFL003 28+00E	Soil		22	16	0.27	157	0.106	<20	2.57	0.009	0.18	<0.1	0.03	1.6	0.3	<0.05	9	<0.5	<0.2
GFL003 28+25E	Soil		17	12	0.16	115	0.056	<20	1.11	0.006	0.13	<0.1	0.03	1.2	0.2	<0.05	7	<0.5	<0.2
GFL003 28+50E	Soil		20	15	0.28	147	0.056	<20	1.73	0.004	0.16	<0.1	0.03	1.6	0.2	<0.05	6	<0.5	<0.2
GFL003 28+75E	Soil		13	14	0.25	164	0.091	<20	2.62	0.008	0.14	0.1	0.04	1.7	0.2	<0.05	8	<0.5	<0.2
GFL003 29+00E	Soil		23	19	0.38	138	0.092	<20	2.42	0.005	0.22	<0.1	0.04	2.3	0.3	<0.05	7	<0.5	<0.2
GFL003 29+25E	Soil		13	13	0.23	141	0.108	<20	3.13	0.013	0.14	<0.1	0.04	2.5	0.2	<0.05	8	<0.5	<0.2
GFL003 29+50E	Soil		13	13	0.27	107	0.068	<20	1.65	0.007	0.18	<0.1	0.02	1.3	0.2	<0.05	5	<0.5	<0.2
GFL003 29+75E	Soil		10	13	0.20	127	0.079	<20	2.55	0.009	0.13	<0.1	0.06	1.8	0.2	<0.05	6	<0.5	<0.2
GFL003 30+00E	Soil		14	13	0.23	188	0.072	<20	2.48	0.009	0.17	<0.1	0.04	2.0	0.2	<0.05	7	<0.5	<0.2
GFL003 30+25E	Soil		27	15	0.36	93	0.066	<20	1.25	0.003	0.25	<0.1	<0.01	1.5	0.3	<0.05	4	<0.5	<0.2
GFL003 30+50E	Soil		11	12	0.20	117	0.075	<20	2.25	0.007	0.12	0.1	0.04	2.0	0.2	<0.05	6	<0.5	<0.2
GFL003 30+75E	Soil		13	13	0.22	181	0.067	<20	2.04	0.006	0.15	0.1	0.03	1.5	0.2	<0.05	6	<0.5	<0.2

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Project: Goatfell
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CERTIFICATE OF ANALYSIS VAN12003172.1

		Method	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Analyte	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
GFL003 31+00E	Soil		<2	0.3	9.8	22.2	70	<0.1	13.3	14.1	1050	2.01	2.1	<0.5	3.9	12	<0.1	0.1	0.3	25	0.08	0.039
GFL003 31+25E	Soil		4	0.5	21.6	23.3	98	<0.1	25.4	13.6	308	2.69	3.0	<0.5	8.1	11	<0.1	0.2	0.3	33	0.07	0.100
GFL003 31+50E	Soil		3	0.3	5.6	14.0	44	<0.1	8.7	4.0	365	1.62	1.6	<0.5	3.7	8	<0.1	<0.1	0.3	24	0.07	0.053

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		Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
GFL003 31+00E	Soil		27	14	0.28	140	0.062	<20	1.45	0.006	0.18	<0.1	0.02	1.3	0.3	<0.05	5	<0.5	<0.2
GFL003 31+25E	Soil		38	18	0.37	145	0.105	<20	2.82	0.007	0.25	0.1	0.04	2.4	0.4	<0.05	8	<0.5	<0.2
GFL003 31+50E	Soil		13	11	0.19	104	0.052	<20	1.12	0.003	0.14	<0.1	0.02	1.0	0.3	<0.05	6	<0.5	<0.2

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Project: Goatfell
Report Date: August 02, 2012

QUALITY CONTROL REPORT VAN12003172.1

		Method	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Analyte	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																						
GFL002 01+25W	Soil		2	0.5	6.0	15.1	46	<0.1	6.7	3.2	504	1.88	2.6	<0.5	2.8	5	0.2	0.1	0.3	32	0.06	0.045
REP GFL002 01+25W	QC		11																			
GFL002 08+25W	Soil		<2	0.2	9.3	15.0	51	<0.1	11.5	9.0	334	1.50	1.3	1.6	3.8	15	0.1	<0.1	0.2	26	0.10	0.017
REP GFL002 08+25W	QC			0.1	8.8	14.4	51	<0.1	10.8	9.0	338	1.48	1.3	<0.5	3.8	15	<0.1	<0.1	0.2	25	0.10	0.017
GFL002 15+50W	Soil		<2	0.5	11.1	16.5	74	<0.1	13.5	8.3	783	2.21	4.5	1.3	4.3	13	0.1	0.2	0.3	30	0.08	0.120
REP GFL002 15+50W	QC		<2																			
GFL002 17+25W	Soil		8	0.7	14.5	16.7	93	0.1	17.9	6.2	128	2.19	76.4	<0.5	2.0	17	0.5	0.6	0.8	38	0.11	0.026
REP GFL002 17+25W	QC			0.7	14.5	17.1	95	0.1	17.3	6.5	137	2.26	77.5	2.0	2.0	18	0.5	0.6	0.8	39	0.11	0.026
GFL003 02+75E	Soil		<2	0.8	19.2	15.3	68	0.2	13.5	6.6	142	2.46	7.6	0.8	6.3	23	0.1	0.3	0.3	25	0.21	0.135
REP GFL003 02+75E	QC		3																			
GFL003 04+75E	Soil		<2	0.5	10.7	14.5	57	0.1	13.2	7.1	1150	1.83	2.2	<0.5	2.7	9	0.1	<0.1	0.2	29	0.07	0.151
REP GFL003 04+75E	QC			0.5	10.6	14.1	56	0.1	13.6	6.7	1154	1.82	2.4	<0.5	2.7	9	<0.1	<0.1	0.2	29	0.08	0.152
GFL003 09+25E	Soil		57	0.5	17.6	15.8	64	0.1	17.4	8.4	327	2.22	3.5	2.3	5.7	18	0.1	0.2	0.5	31	0.13	0.082
REP GFL003 09+25E	QC		38																			
GFL003 11+50E	Soil		<2	0.6	14.6	30.8	72	0.1	14.8	8.2	232	2.43	3.0	1.6	7.1	8	0.1	0.2	0.4	35	0.06	0.083
REP GFL003 11+50E	QC		<2																			
GFL003 13+75E	Soil		<2	0.4	8.3	17.4	91	0.2	25.1	7.6	806	1.67	3.4	<0.5	3.5	34	0.4	0.1	0.2	24	0.21	0.166
REP GFL003 13+75E	QC			0.4	8.8	16.8	93	0.2	23.7	7.3	802	1.64	3.3	1.2	3.4	33	0.5	0.2	0.3	24	0.20	0.162
GFL003 20+25E	Soil		<2	0.6	11.8	21.7	115	0.1	18.4	10.5	620	2.07	4.0	<0.5	3.4	18	0.3	0.2	0.3	28	0.11	0.214
REP GFL003 20+25E	QC		<2																			
GFL003 22+75E	Soil		2	0.9	16.7	22.6	95	<0.1	15.4	8.8	494	2.89	4.9	9.6	6.9	7	0.2	0.2	0.3	34	0.06	0.093
REP GFL003 22+75E	QC			0.9	16.3	22.0	95	<0.1	15.4	8.7	500	2.89	4.9	<0.5	6.8	7	0.1	0.2	0.3	34	0.06	0.094
GFL003 29+00E	Soil		<2	0.5	19.1	20.1	93	<0.1	24.1	10.2	196	2.68	3.7	0.5	7.3	7	<0.1	0.1	0.3	33	0.07	0.058
REP GFL003 29+00E	QC		<2																			
GFL003 31+50E	Soil		3	0.3	5.6	14.0	44	<0.1	8.7	4.0	365	1.62	1.6	<0.5	3.7	8	<0.1	<0.1	0.3	24	0.07	0.053
REP GFL003 31+50E	QC			0.3	5.6	15.1	43	<0.1	8.7	4.1	373	1.70	1.5	<0.5	3.9	8	<0.1	<0.1	0.3	26	0.07	0.057
Reference Materials																						
STD DS9	Standard			13.2	115.2	126.6	327	1.9	43.2	8.1	605	2.47	27.9	120.7	5.7	68	2.6	5.3	6.6	44	0.71	0.087

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Project: Goatfell
Report Date: August 02, 2012

QUALITY CONTROL REPORT VAN12003172.1

		Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																			
GFL002 01+25W	Soil		17	10	0.14	99	0.037	<20	1.34	0.005	0.07	<0.1	0.06	1.1	0.2	0.13	8	<0.5	<0.2
REP GFL002 01+25W	QC																		
GFL002 08+25W	Soil		15	19	0.22	119	0.045	<20	1.01	0.011	0.09	<0.1	0.02	1.1	0.2	0.15	5	<0.5	<0.2
REP GFL002 08+25W	QC		15	11	0.21	119	0.043	<20	1.00	0.010	0.09	<0.1	0.01	1.2	0.2	0.15	5	<0.5	<0.2
GFL002 15+50W	Soil		9	12	0.18	165	0.089	<20	2.56	0.008	0.09	<0.1	0.07	1.8	0.1	<0.05	8	<0.5	<0.2
REP GFL002 15+50W	QC																		
GFL002 17+25W	Soil		7	11	0.13	59	0.117	<20	1.14	0.009	0.06	0.1	0.04	1.2	<0.1	<0.05	10	<0.5	<0.2
REP GFL002 17+25W	QC		7	11	0.13	61	0.119	<20	1.15	0.009	0.06	0.2	0.05	1.2	<0.1	<0.05	10	<0.5	<0.2
GFL003 02+75E	Soil		13	13	0.21	103	0.073	<20	3.59	0.012	0.09	<0.1	0.08	2.9	0.1	<0.05	9	<0.5	<0.2
REP GFL003 02+75E	QC																		
GFL003 04+75E	Soil		6	9	0.11	157	0.101	<20	3.56	0.013	0.05	<0.1	0.06	1.8	0.1	<0.05	11	<0.5	<0.2
REP GFL003 04+75E	QC		6	9	0.11	158	0.104	<20	3.50	0.012	0.06	<0.1	0.05	1.8	0.1	<0.05	10	<0.5	<0.2
GFL003 09+25E	Soil		14	12	0.23	219	0.136	<20	3.41	0.014	0.11	<0.1	0.05	2.6	0.2	<0.05	9	<0.5	<0.2
REP GFL003 09+25E	QC																		
GFL003 11+50E	Soil		28	15	0.26	142	0.093	<20	2.49	0.009	0.12	0.1	0.07	2.4	0.2	<0.05	8	<0.5	<0.2
REP GFL003 11+50E	QC																		
GFL003 13+75E	Soil		9	9	0.16	165	0.119	<20	2.77	0.017	0.11	0.1	0.04	1.8	0.2	<0.05	7	<0.5	<0.2
REP GFL003 13+75E	QC		9	9	0.16	159	0.118	<20	2.78	0.015	0.11	0.1	0.05	1.7	0.2	<0.05	8	<0.5	<0.2
GFL003 20+25E	Soil		8	10	0.13	155	0.110	<20	2.97	0.011	0.08	0.2	0.05	1.6	0.1	<0.05	9	<0.5	<0.2
REP GFL003 20+25E	QC																		
GFL003 22+75E	Soil		16	15	0.28	122	0.118	<20	2.51	0.006	0.23	0.2	0.07	2.0	0.3	<0.05	9	<0.5	<0.2
REP GFL003 22+75E	QC		16	15	0.28	117	0.116	<20	2.53	0.006	0.23	0.1	0.08	2.0	0.3	<0.05	9	<0.5	<0.2
GFL003 29+00E	Soil		23	19	0.38	138	0.092	<20	2.42	0.005	0.22	<0.1	0.04	2.3	0.3	<0.05	7	<0.5	<0.2
REP GFL003 29+00E	QC																		
GFL003 31+50E	Soil		13	11	0.19	104	0.052	<20	1.12	0.003	0.14	<0.1	0.02	1.0	0.3	<0.05	6	<0.5	<0.2
REP GFL003 31+50E	QC		13	12	0.20	107	0.052	<20	1.17	0.005	0.14	<0.1	0.02	1.0	0.3	<0.05	6	<0.5	<0.2
Reference Materials																			
STD DS9	Standard		11	128	0.65	318	0.106	<20	0.94	0.089	0.39	2.9	0.23	2.4	5.6	0.13	5	4.9	5.4

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Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 Canada

Project: Goatfell
Report Date: August 02, 2012

QUALITY CONTROL REPORT VAN12003172.1

		3B Au ppb 2	1DX Mo ppm 0.1	1DX Cu ppm 0.1	1DX Pb ppm 0.1	1DX Zn ppm 1	1DX Ag ppm 0.1	1DX Ni ppm 0.1	1DX Co ppm 0.1	1DX Mn ppm 1	1DX Fe % 0.01	1DX As ppm 0.5	1DX Au ppb 0.5	1DX Th ppm 0.1	1DX Sr ppm 1	1DX Cd ppm 0.1	1DX Sb ppm 0.1	1DX Bi ppm 0.1	1DX V ppm 2	1DX Ca % 0.01	1DX P % 0.001
STD DS9	Standard		14.3	115.3	137.4	338	2.0	43.4	8.0	631	2.54	28.7	113.8	7.2	81	2.4	5.7	7.7	44	0.76	0.090
STD DS9	Standard		13.2	114.6	135.4	329	2.6	41.4	8.1	622	2.51	27.4	132.4	6.7	78	2.5	5.7	7.2	45	0.78	0.087
STD DS9	Standard		13.6	113.4	126.3	327	1.9	43.1	8.3	609	2.49	25.6	140.4	6.2	68	2.4	4.2	5.0	46	0.75	0.083
STD DS9	Standard		13.2	108.2	123.8	299	1.8	42.2	7.8	562	2.29	22.6	126.3	6.5	64	2.1	4.1	4.5	41	0.70	0.076
STD DS9	Standard		13.9	115.8	128.8	333	1.8	45.0	8.7	633	2.54	27.2	118.2	6.4	66	2.5	4.9	5.7	53	0.78	0.085
STD OREAS45CA	Standard		1.1	493.7	19.7	55	0.3	237.4	89.2	899	15.77	4.1	44.0	7.1	14	<0.1	0.2	0.1	210	0.41	0.038
STD OREAS45CA	Standard		1.0	499.3	20.8	60	0.3	241.6	91.9	963	16.64	4.1	48.5	7.8	16	0.1	0.2	0.2	222	0.43	0.039
STD OREAS45CA	Standard		1.1	530.9	21.3	62	0.3	250.1	98.0	1014	17.85	4.3	43.4	7.4	17	<0.1	0.1	0.2	225	0.47	0.042
STD OREAS45CA	Standard		1.0	533.0	19.0	62	0.3	269.8	97.9	957	17.70	3.4	43.0	7.1	14	0.1	<0.1	0.1	228	0.46	0.039
STD OREAS45CA	Standard		1.1	579.2	19.6	61	0.3	270.0	100.5	999	17.69	4.1	42.0	7.1	14	<0.1	<0.1	0.1	232	0.48	0.037
STD OREAS45CA	Standard		0.9	499.6	18.1	52	0.2	237.2	86.3	864	14.98	3.2	44.5	6.6	12	<0.1	<0.1	0.1	212	0.38	0.035
STD OXA71	Standard	78																			
STD OXA71	Standard	91																			
STD OXC88	Standard	210																			
STD OXC88	Standard	200																			
STD OXC88	Standard	187																			
STD OXC88	Standard	197																			
STD OXC88	Standard	196																			
STD OXC88	Standard	182																			
STD OXC88	Standard	204																			
STD OXC88	Standard	194																			
STD OXC88	Standard	217																			
STD OXC88	Standard	175																			
STD OXD87	Standard	388																			
STD OXD87	Standard	398																			
STD OXD87	Standard	416																			
STD OXD87	Standard	392																			
STD DS9 Expected			12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	0.0819
STD OREAS45CA Expected			1	494	20	60	0.275	240	92	943	15.69	3.8	43	7	15	0.1	0.13	0.19	215	0.4265	0.0385

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Cranbrook BC V1C 2R7 Canada

Project: Goatfell
Report Date: August 02, 2012

QUALITY CONTROL REPORT VAN12003172.1

		1DX La ppm 1	1DX Cr ppm 1	1DX Mg % 0.01	1DX Ba ppm 1	1DX Ti % 0.001	1DX B ppm 20	1DX Al % 0.01	1DX Na % 0.001	1DX K % 0.01	1DX W ppm 0.1	1DX Hg ppm 0.01	1DX Sc ppm 0.1	1DX Tl ppm 0.1	1DX S % 0.05	1DX Ga ppm 1	1DX Se ppm 0.5	1DX Te ppm 0.2
STD DS9	Standard	14	128	0.66	356	0.116	<20	1.00	0.092	0.40	2.8	0.23	2.5	6.0	0.14	5	5.8	5.3
STD DS9	Standard	14	127	0.67	353	0.118	<20	0.97	0.089	0.40	3.3	0.22	2.6	6.3	0.12	5	5.2	5.9
STD DS9	Standard	14	133	0.65	342	0.105	<20	1.01	0.085	0.37	2.5	0.21	2.3	5.9	0.14	5	5.8	5.5
STD DS9	Standard	13	127	0.58	323	0.099	<20	0.84	0.073	0.33	2.6	0.22	2.2	5.6	0.12	4	5.7	5.4
STD DS9	Standard	13	143	0.70	336	0.115	<20	0.99	0.086	0.37	3.1	0.21	2.6	6.1	0.33	5	6.1	6.0
STD OREAS45CA	Standard	15	750	0.12	161	0.125	<20	3.30	0.009	0.06	<0.1	0.03	41.8	<0.1	<0.05	18	0.6	<0.2
STD OREAS45CA	Standard	16	730	0.13	165	0.141	<20	3.29	0.013	0.06	<0.1	0.04	46.0	<0.1	<0.05	19	<0.5	<0.2
STD OREAS45CA	Standard	16	757	0.14	173	0.136	<20	3.43	0.012	0.07	<0.1	0.03	47.9	<0.1	<0.05	20	<0.5	<0.2
STD OREAS45CA	Standard	16	876	0.15	169	0.130	<20	3.86	0.013	0.07	<0.1	0.03	45.4	0.1	<0.05	19	0.8	<0.2
STD OREAS45CA	Standard	16	852	0.15	169	0.138	<20	3.91	0.013	0.07	<0.1	0.03	46.8	0.1	<0.05	20	<0.5	<0.2
STD OREAS45CA	Standard	15	777	0.13	149	0.124	<20	3.24	0.013	0.06	<0.1	0.03	39.7	0.1	0.20	18	<0.5	<0.2
STD OXA71	Standard																	
STD OXA71	Standard																	
STD OXC88	Standard																	
STD OXC88	Standard																	
STD OXC88	Standard																	
STD OXC88	Standard																	
STD OXC88	Standard																	
STD OXC88	Standard																	
STD OXC88	Standard																	
STD OXC88	Standard																	
STD OXC88	Standard																	
STD OXC88	Standard																	
STD OXD87	Standard																	
STD OXD87	Standard																	
STD OXD87	Standard																	
STD OXD87	Standard																	
STD DS9 Expected		13.3	121	0.6165	330	0.1108		0.9577	0.0853	0.395	2.89	0.2	2.5	5.3	0.1615	4.59	5.2	5.02
STD OREAS45CA Expected		15.9	709	0.1358	164	0.128		3.592	0.0075	0.0717		0.03	39.7	0.07	0.021	18.4	0.5	

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		3B Au ppb 2	1DX Mo ppm 0.1	1DX Cu ppm 0.1	1DX Pb ppm 0.1	1DX Zn ppm 1	1DX Ag ppm 0.1	1DX Ni ppm 0.1	1DX Co ppm 0.1	1DX Mn ppm 1	1DX Fe % 0.01	1DX As ppm 0.5	1DX Au ppb 0.5	1DX Th ppm 0.1	1DX Sr ppm 1	1DX Cd ppm 0.1	1DX Sb ppm 0.1	1DX Bi ppm 0.1	1DX V ppm 2	1DX Ca % 0.01	1DX P % 0.001
STD OXD87 Expected		417																			
STD OXC88 Expected		203																			
STD OXA71 Expected		84.9																			
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	2																			
BLK	Blank	<2																			
BLK	Blank	<2																			
BLK	Blank	4																			
BLK	Blank	3																			
BLK	Blank	<2																			
BLK	Blank	3																			
BLK	Blank	<2																			
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	3																			
BLK	Blank	2																			
BLK	Blank	<2																			
BLK	Blank	<2																			
BLK	Blank	<2																			
BLK	Blank	<2																			
BLK	Blank	3																			
BLK	Blank	4																			

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QUALITY CONTROL REPORT VAN12003172.1

		1DX La ppm 1	1DX Cr ppm 1	1DX Mg % 0.01	1DX Ba ppm 1	1DX Ti % 0.001	1DX B ppm 20	1DX Al % 0.01	1DX Na % 0.001	1DX K % 0.01	1DX W ppm 0.1	1DX Hg ppm 0.01	1DX Sc ppm 0.1	1DX Tl ppm 0.1	1DX S % 0.05	1DX Ga ppm 1	1DX Se ppm 0.5	1DX Te ppm 0.2
STD OXD87 Expected																		
STD OXC88 Expected																		
STD OXA71 Expected																		
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank																	
BLK	Blank																	
BLK	Blank																	
BLK	Blank																	
BLK	Blank																	
BLK	Blank																	
BLK	Blank																	
BLK	Blank																	
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	0.12	<1	<0.5	<0.2
BLK	Blank																	
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Appendix VI – XRF Results

6.1 – Soil and Silt Samples

Appendix 6.1 - XRF Results

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
AUGFS001	SILT	Niton	XL3t	8/6/2012	60		278.21		0		0	18	0		0		22334	117	280.3	0.051929	0.045966	
AUGFS002	SILT	Niton	XL3t	8/6/2012	60		273.72		0		0	18	0		0		19287.63	108	374.22	0.045785	0.041818	
CRGFS001	SILT	Niton	XL3t	7/7/2012	60	0		0		20.28	10.42	69	18.07	0		0		558	121.9	2.243129	0.050449	0
CRGFS002	SILT	Niton	XL3t	7/7/2012	60	0		0		15.48	9.32	49	15.81	0		0		452	106.12	1.703511	0.042243	0
CRGFS003	SILT	Niton	XL3t	7/7/2012	60	0		0		21.07	10.1	54	16.7	0		0		624	121.97	2.205469	0.048869	0
CRGFS004	SILT	Niton	XL3t	7/7/2012	60	0		0		24.12	10.45	56	16.76	0		0		681	126.83	2.342056	0.050161	0
CRGFS005	SILT	Niton	XL3t	7/7/2012	60	0		0		32.42	11.45	67	18.11	0		0		697	131.39	2.549674	0.053411	0
CRGFS006	SILT	Niton	XL3t	7/7/2012	60	0		0		22.49	10.6	78	19.6	0		0		896	146.31	2.740352	0.056204	0
CRGFS007	SILT	Niton	XL3t	7/7/2012	60	0		39.94	24.68	0		54	16.42	0		0		725	128.39	2.137415	0.0477	0
CRGFS008	SILT	Niton	XL3t	7/7/2012	60	0		0		23.04	10.22	45	14.93	0		0		515	112.53	1.960412	0.045525	0
CRGFS009	SILT	Niton	XL3t	7/7/2012	60	0		0		21.19	9.91	38	14.87	0		0		418	106.74	2.047093	0.046759	0
CRGFS010	SILT	Niton	XL3t	7/7/2012	60	0		0		19.61	9.84	54	16.33	0		0		364	99.39	1.83612	0.043851	0
CRGFS011	SILT	Niton	XL3t	7/7/2012	60	0		0		16.34	9.39	31	14.29	0		0		457	106.7	1.572875	0.040518	0
CRGFS012	SILT	Niton	XL3t	7/7/2012	60	0		0		0		65	17.42	0		0		529	113.02	1.909311	0.04479	0
CRGFS013	SILT	Niton	XL3t	7/7/2012	60	0		0		22.73	9.95	56	16.41	0		0		399	101.14	1.769876	0.042671	0
CRGFS014	SILT	Niton	XL3t	7/7/2012	60	0		0		0		46	15.47	0		0		462	108.87	1.807389	0.043702	0
CRGFS015	SILT	Niton	XL3t	7/7/2012	60	0		72.4	28.31	23.45	10.57	83	19.81	0		0		965	150.22	3.160124	0.059455	0
CRGFS016	SILT	Niton	XL3t	7/7/2012	60	0		0		0		66	17.22	0		0		726	125.95	1.922078	0.044775	11.9
CRGFS017	SILT	Niton	XL3t	7/7/2012	60	0		0		0		60	17.03	0		0		609	121.25	2.157005	0.04804	0
CRGFS018	SILT	Niton	XL3t	7/7/2012	60	0		0		17.87	9.74	57	16.66	0		0		709	126.88	2.254702	0.049002	0
CRGFS019	SILT	Niton	XL3t	7/7/2012	60	0		0		17.31	9.59	65	17.38	0		0		575	117.52	2.05455	0.046707	0
CRGFS020	SILT	Niton	XL3t	7/7/2012	60	0		0		15.52	9.23	51	16.19	0		0		733	127.14	1.918028	0.044844	0
CRGFS021	SILT	Niton	XL3t	7/7/2012	60	0		0		26.53	10.71	52	16.37	0		0		678	126.26	2.189958	0.048671	0
CRGFS022	SILT	Niton	XL3t	7/7/2012	60	0		0		16.17	9.49	71	17.92	0		0		613	119.9	2.194248	0.047931	0
CRGFS023	SILT	Niton	XL3t	7/7/2012	60	0		0		25.45	10.96	92	20.84	0		0		1011	153.78	2.748135	0.056448	0
CRGFS025	SILT	Niton	XL3t	8/6/2012	60		251.07		0		0	15	0		0		17141.44	106	266.34	0.042933	0.043085	
CRGFS026	SILT	Niton	XL3t	8/6/2012	60		305.38		0	9.68	0	16	0		0		17772.79	113	98.87	0.043421	0.053239	
CRGFS027	SILT	Niton	XL3t	8/6/2012	60		326.48		0	9.79	0	15	0		0		18893.94	115	145.41	0.045217	0.052066	
CRGFS028	SILT	Niton	XL3t	8/6/2012	60		249.35		0	10.98	0	21	0		0		20125.47	145	0	0.047909	0.092153	
CRGFS029	SILT	Niton	XL3t	8/6/2012	60		288.35		0	9.84	0	18	0		0		15413.08	109	67.28	0.041841	0.043025	
CRGFS030	SILT	Niton	XL3t	8/6/2012	60		256.76		0	11.16	0	21	0		0		28185.05	145	0	0.056257	0.089728	
CRGFS031	SILT	Niton	XL3t	8/6/2012	60		345.71		0	10.33	0	17	0		0		21050.57	127	159.14	0.047946	0.069012	
CRGFS032	SILT	Niton	XL3t	8/6/2012	60		287.77		0	10.76	0	18	0		0		20189.16	122	122.25	0.046827	0.062094	
CRGFS033	SILT	Niton	XL3t	8/6/2012	60		228.88		0		0	14	0		0		15806.97	114	170.52	0.040124	0.058489	
CRGFS034	SILT	Niton	XL3t	8/6/2012	60		319.05		0	9.65	0	15	0		0		19327.59	123	130.09	0.045447	0.066038	
CRGFS035	SILT	Niton	XL3t	8/6/2012	60		328.89		0	10.88	0	17	0		0		19788.57	145	132.5	0.046007	0.102365	
CRGFS036	SILT	Niton	XL3t	8/6/2012	60		260.47		0		0	17	0		0		16187.41	98	167.95	0.040864	0.036435	
CRGFS037	SILT	Niton	XL3t	8/6/2012	60		241.55		0	11.46	0	20	0		0		19297.23	116	74.51	0.047376	0.049027	
CRGFS038	SILT	Niton	XL3t	8/6/2012	60		282.52		0		0	16	0		0		15900.35	100	271.36	0.041006	0.036165	
CRGFS039	SILT	Niton	XL3t	8/6/2012	60		311.4		0	10.25	0	19	0		0		20846.1	121	162.1	0.047337	0.060322	
CRGFS040	SILT	Niton	XL3t	8/6/2012	60		307.51		0		0	17	0		0		17216.41	99	317.39	0.042889	0.033396	
CRGFS041	SILT	Niton	XL3t	8/22/2012	60	0		0		0		67	18.01	0		0		458	109.43	1.82557	0.044681	0
CRGFS042	SILT	Niton	XL3t	8/22/2012	60	0		0		0		53	16.33	0		0		405	104.15	1.661663	0.042296	0
CRGFS043	SILT	Niton	XL3t	8/22/2012	60	0		0		0		52	16.27	0		0		672	124.13	1.741356	0.043489	0

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
CRGFS044	SILT	Niton	XL3t	8/22/2012	60	0		0		0		57	17.11	0		0		628	122.73	1.876721	0.04553	0
CRGFS045	SILT	Niton	XL3t	8/22/2012	60	0		0		18.48	9.85	32	14.13	0		0		326	96.96	1.551889	0.04062	0
CRGFS046	SILT	Niton	XL3t	8/22/2012	60	0		0		0		75	18.05	0		0		754	127.52	1.689442	0.042146	0
CRGFS047	SILT	Niton	XL3t	8/22/2012	60	0		0		0		56	16.59	0		0		530	112.78	1.639779	0.04169	0
CRGFS048	SILT	Niton	XL3t	8/22/2012	60	0		0		0		51	16.07	0		0		687	123.68	1.521569	0.040511	0
CRGFS049	SILT	Niton	XL3t	8/22/2012	60	0		0		0		53	15.91	0		0		268	89.7	1.19533	0.035595	0
CRGFS050	SILT	Niton	XL3t	8/22/2012	60	0		0		0		44	15.02	0		0		198	82.83	1.262798	0.036664	0
CRGFS051	SILT	Niton	XL3t	8/22/2012	60	0		0		14.06	9.37	58	17.11	0		0		500	110.48	1.522825	0.040459	0
CRGFS052	SILT	Niton	XL3t	8/22/2012	60	0		0		0		45	15.32	0		0		405	103.36	1.474816	0.039888	0
CRGFS053	SILT	Niton	XL3t	8/22/2012	60	0		0		19.09	10.06	57	16.76	0		0		513	115.53	1.967707	0.046402	0
CRGFS054	SILT	Niton	XL3t	8/22/2012	60	0		0		0		101	21.41	0		0		580	123.24	2.264065	0.050975	0
CRGFS055	SILT	Niton	XL3t	8/22/2012	60	0		0		17.92	10	71	18.74	0		0		510	117.34	2.147735	0.049083	0
CRGFS056	SILT	Niton	XL3t	8/22/2012	60	0		0		0		75	19	0		0		493	116.25	2.29234	0.050711	0
CRGFS057	SILT	Niton	XL3t	8/22/2012	60	0		0		0		74	18.49	0		0		546	119	2.140359	0.048829	0
CRGFS058	SILT	Niton	XL3t	8/22/2012	60	0		0		0		86	20.05	0		0		678	131.87	2.422697	0.052689	0
CRGFS059	SILT	Niton	XL3t	8/22/2012	60	0		0		0		64	18.16	0		0		533	120.56	2.411879	0.052165	0
CRGFS060	SILT	Niton	XL3t	8/22/2012	60	0		0		15.49	10.01	89	20.22	0		0		676	133.04	2.743459	0.056241	0
CRGFS061	SILT	Niton	XL3t	8/22/2012	60	0		0		18.25	10.15	93	20.63	0		0		915	147.09	2.719809	0.055651	0
CRGFS062	SILT	Niton	XL3t	8/22/2012	60	0		0		0		117	22.35	0		0		1003	151.3	2.48908	0.053363	0
CRGFS063	SILT	Niton	XL3t	8/22/2012	60	0		0		32.56	11.69	108	21.86	0		0		887	145.37	2.683489	0.055443	0
JSGFS001	SILT	Niton	XL3t	8/6/2012	60		320.21	25.39	0	11.27	0	20	0		0		22437.19	105	125.96	0.049188	0.038201	
JSGFS002	SILT	Niton	XL3t	8/6/2012	60		246.82		0	11.98	0	22	0		0		30568.76	132	0	0.06117	0.058964	
JSGFS003	SILT	Niton	XL3t	8/6/2012	60		493.62		0		0	18	0		0		19045.46	102	306.22	0.045957	0.034112	
JSGFS004	SILT	Niton	XL3t	8/6/2012	60		263.39		0	10.23	0	17	0		0		22220.5	141	92.5	0.049646	0.087677	
BKGFD001	DIRT	Niton	XL3t	7/6/2012	60	0		0		22.73	10.53	161	25.97	0		0		1482	177.71	2.274421	0.051325	0
BKGFD002	DIRT	Niton	XL3t	7/6/2012	60	0		0		15.84	9.87	148	24.79	0		0		943	146.9	2.231456	0.050275	0
BKGFD003	DIRT	Niton	XL3t	7/6/2012	60	0		0		15.69	10.07	201	28.22	0		0		1191	165.48	3.191409	0.06094	0
BKGFD004	DIRT	Niton	XL3t	7/6/2012	60	0		0		16.79	10.05	75	19.04	0		0		413	111.7	2.279905	0.051442	0
BKGFD005	DIRT	Niton	XL3t	7/6/2012	60	0		0		16.25	10.21	198	28.36	0		0		2238	217.13	2.681872	0.056684	0
BKGFD006	DIRT	Niton	XL3t	7/6/2012	60	0		0		21.25	10.34	142	24.18	0		0		1204	161.45	2.22044	0.050308	0
BKGFD007	DIRT	Niton	XL3t	7/6/2012	60	0		0		21.66	10.45	138	23.83	0		0		852	141.96	2.453401	0.052843	0
BKGFD008	DIRT	Niton	XL3t	7/6/2012	60	0		0		0		151	25.21	0		0		831	143.08	2.433239	0.053377	0
BKGFD009	DIRT	Niton	XL3t	7/6/2012	60	0		0		20.21	10.92	164	26.89	0		0		3304	261.12	2.444058	0.055045	0
BKGFD010	DIRT	Niton	XL3t	7/6/2012	60	0		0		15.14	9.77	172	26.7	0		0		1477	179.24	2.399661	0.053114	0
BKGFD011	DIRT	Niton	XL3t	7/6/2012	60	0		0		21.83	10.6	162	25.48	0		0		1066	155.22	2.610981	0.05463	0
BKGFD012	DIRT	Niton	XL3t	7/6/2012	60	0		0		18.16	10.35	130	23.85	0		0		568	124.13	2.448954	0.053155	0
BKGFD013	DIRT	Niton	XL3t	7/6/2012	60	0		0		20.26	10.45	113	22.19	0		0		401	112.58	2.755423	0.056178	0
BKGFD014	DIRT	Niton	XL3t	7/6/2012	60	0		0		21.46	10.47	85	19.96	0		0		477	116.58	2.320004	0.051428	0
BKGFD015	DIRT	Niton	XL3t	7/6/2012	60	0		0		21.22	10.41	129	23.2	0		0		852	140.72	2.500872	0.05308	0
BKGFD016	DIRT	Niton	XL3t	7/6/2012	60	0		41.54	26.72	24.53	11.11	101	21.39	0		0		752	138.79	2.991838	0.058972	0
BKGFD017	DIRT	Niton	XL3t	7/6/2012	60	0		0		22.67	10.68	98	21.18	0		0		865	144.17	2.799745	0.056617	0
BKGFD018	DIRT	Niton	XL3t	7/6/2012	60	0		0		20.41	10.65	113	22.93	0		0		1139	165.91	3.197537	0.062025	0
BKGFD019	DIRT	Niton	XL3t	7/6/2012	60	0		47.04	27.09	24.68	10.94	94	21.21	0		0		401	113.37	2.95609	0.058642	0
BKGFD020	DIRT	Niton	XL3t	7/6/2012	60	0		0		0		171	27.15	0		0		1258	172.98	3.14359	0.061659	0
BKGFD021	DIRT	Niton	XL3t	7/6/2012	60	0		51.1	27.51	21.54	10.85	106	21.76	0		0		496	121.09	2.820941	0.057544	0

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
BKGFD022	DIRT	Niton	XL3t	7/6/2012	60	0		0		24.51	11.01	167	26.67	0		0		1462	179.85	2.966371	0.059026	0
BKGFD023	DIRT	Niton	XL3t	7/6/2012	60	0		0		40.72	12.37	116	23	0		0		950	152.42	3.150026	0.060879	0
BKGFD024	DIRT	Niton	XL3t	7/6/2012	60	0		0		21.55	10.75	106	22.57	0		0		1205	169.95	3.027764	0.060398	0
BKGFD025	DIRT	Niton	XL3t	7/6/2012	60	0		0		26.35	11.11	188	27.73	0		0		668	134.78	3.266909	0.061654	0
BKGFD026	DIRT	Niton	XL3t	7/6/2012	60	0		0		30.19	11.77	188	28.33	0		0		1819	200.9	3.260083	0.062798	0
BKGFD027	DIRT	Niton	XL3t	7/6/2012	60	0		42.58	26.48	22.6	10.72	163	25.9	0		0		1478	179.13	2.950087	0.058367	0
BKGFD028	DIRT	Niton	XL3t	7/6/2012	60	0		0		23.14	10.74	98	21.64	0		0		344	106.74	2.713912	0.056009	0
BKGFD029	DIRT	Niton	XL3t	7/6/2012	60	0		0		16.44	10.03	61	18.07	0		0		294	102.65	2.525133	0.053621	0
BKGFD030	DIRT	Niton	XL3t	7/6/2012	60	0		0		31.98	11.43	71	19.22	0		0		481	119.22	2.91563	0.057932	0
GFL001 00+00	DIRT	Niton	XL3t	6/27/2012	60	0		0		20.98	9.76	119	21.43	0		0		1410	163.94	2.311837	0.048894	0
GFL001 00+00	DIRT	Niton	XL3t	6/19/2012	60	0		0		0		74	16.15	0		0		541	98.92	0.750662	0.025725	0
GFL001 00+25E	SILT	Niton	XL3t	6/27/2012	60	0		0		23.43	10.47	128	23.09	0		0		943	144.51	2.475515	0.052077	0
GFL001 00+25E	DIRT	Niton	XL3t	6/19/2012	60	0		0		0		74	16.65	0		171.69	72.05	263	78.45	0.672037	0.024916	0
GFL001 00+50E	DIRT	Niton	XL3t	6/27/2012	60	0		0		15.73	9.61	152	24.49	0		0		580	121.82	2.405378	0.051209	0
GFL001 00+50E	DIRT	Niton	XL3t	6/19/2012	60	0		0		0		62	14.51	0		155.99	65.75	221	70.68	0.63643	0.022812	0
GFL001 00+75E	DIRT	Niton	XL3t	6/27/2012	60	0		0		28.75	11.32	191	27.3	0		0		1006	151.59	2.630503	0.054492	0
GFL001 00+75E	DIRT	Niton	XL3t	6/19/2012	60	0		0		44.04	10.03	134	19.14	0		151.55	65.37	564	93.29	0.669578	0.022911	0
GFL001 01+00E	DIRT	Niton	XL3t	6/27/2012	60	0		0		46.16	12.59	194	27.32	0		0		512	115.86	2.543156	0.05301	0
GFL001 01+00E	DIRT	Niton	XL3t	6/19/2012	60	0		0		29	9.38	94	17.56	0		143.52	72.33	152	66.87	0.776547	0.025715	0
GFL001 01+25E	DIRT	Niton	XL3t	6/27/2012	60	0		0		15.03	9.82	120	22.48	0		200.07	133.08	282	99.4	2.210692	0.049651	0
GFL001 01+25E	DIRT	Niton	XL3t	6/19/2012	60	0		0		0		51	15.48	0		265.72	90.47	246	82.79	0.985051	0.031267	0
GFL001 01+50E	DIRT	Niton	XL3t	6/27/2012	60	0		0		22.43	10.55	65	18.18	0		0		245	96.13	2.242095	0.050506	0
GFL001 01+50E	DIRT	Niton	XL3t	6/19/2012	60	0		0		13.43	8.74	26	12.91	0		187.48	73.86	290	84.31	0.631962	0.025154	0
GFL001 01+75E	DIRT	Niton	XL3t	6/27/2012	60	0		0		16.56	9.79	91	20.11	0		0		506	117.1	2.365641	0.051473	0
GFL001 01+75E	DIRT	Niton	XL3t	6/19/2012	60	0		0		15.92	10.39	53	18.1	0		174.84	92.48	224	91.59	0.84593	0.032614	0
GFL001 02+00E	DIRT	Niton	XL3t	6/27/2012	60	0		0		16.53	9.74	187	27.07	0		0		904	143.1	2.166812	0.049254	0
GFL001 02+00E	DIRT	Niton	XL3t	6/19/2012	60	0		0		0		85	16.64	0		207.95	71.57	333	80.87	0.720796	0.024512	0
GFL001 02+25E	DIRT	Niton	XL3t	6/27/2012	60	0		0		19.67	10.29	91	20.27	0		0		274	97.79	1.984318	0.047558	0
GFL001 02+25E	DIRT	Niton	XL3t	6/19/2012	60	0		0		0		78	17.73	0		0		269	83.8	0.853755	0.029037	0
GFL001 02+50E	DIRT	Niton	XL3t	6/27/2012	60	0		0		24.92	10.68	130	23.74	0		0		474	119.05	2.701171	0.055596	0
GFL001 02+50E	DIRT	Niton	XL3t	6/19/2012	60	0		0		13.91	8.22	78	16.79	0		208.88	78.21	282	80.22	0.830553	0.027171	0
GFL001 02+75E	DIRT	Niton	XL3t	6/27/2012	60	0		0		21.9	10.47	169	26.15	0		0		489	118.53	2.490454	0.053608	0
GFL001 02+75E	DIRT	Niton	XL3t	6/19/2012	60	0		34.34	22.11	0		82	17.76	0		176	74.53	238	79.66	0.691297	0.025785	9.92
GFL001 03+00E	DIRT	Niton	XL3t	6/27/2012	60	0		0		0		175	26.38	0		0		866	142.01	2.208206	0.050337	0
GFL001 03+00E	DIRT	Niton	XL3t	6/19/2012	60	0		0		0		96	18.05	0		125.45	74.39	333	85.21	0.802544	0.026778	0
GFL001 03+25E	DIRT	Niton	XL3t	6/27/2012	60	0		0		23.66	10.47	205	28.04	0		0		562	120.37	2.317521	0.050791	0
GFL001 03+25E	DIRT	Niton	XL3t	6/19/2012	60	0		35.19	19.3	0		84	16.19	0		0		232	70.5	0.594925	0.02191	0
GFL001 03+50E	DIRT	Niton	XL3t	6/27/2012	60	0		41.31	25.7	24.58	10.65	175	26.2	0		0		489	116.14	2.359148	0.05127	0
GFL001 03+50E	DIRT	Niton	XL3t	6/19/2012	60	0		0		0		84	16.81	0		0		319	81.63	0.718215	0.024959	0
GFL001 03+75E	DIRT	Niton	XL3t	6/27/2012	60	0		0		30.38	11.27	144	24.27	0		0		639	126.48	2.286624	0.050692	0
GFL001 03+75E	DIRT	Niton	XL3t	6/19/2012	60	0		0		18.71	8.44	79	16.1	0		185.51	72.57	550	97.39	0.752289	0.025277	0
GFL001 04+00E	DIRT	Niton	XL3t	6/27/2012	60	0		0		21.43	10.46	133	23.5	0		0		1148	158.62	2.508529	0.053277	0
GFL001 04+00E	DIRT	Niton	XL3t	6/19/2012	60	0		0		16.02	8.16	61	14.83	0		120.18	66.61	220	72.36	0.652111	0.023636	0
GFL001 04+25E	DIRT	Niton	XL3t	6/27/2012	60	0		0		28.13	11.23	119	22.78	0		0		427	110.14	2.117511	0.048979	0
GFL001 04+25E	DIRT	Niton	XL3t	6/19/2012	60	0		0		0		56	14.49	0		142.91	70.54	254	75.35	0.727153	0.024959	0

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
GFL001 04+50E	DIRT	Niton	XL3t	6/27/2012	60	0		0		24.49	10.77	111	22.19	0		0		373	108.7	2.529761	0.053666	0
GFL001 04+50E	DIRT	Niton	XL3t	6/19/2012	60	0		0		0		72	16.67	0		197.82	74.51	147	69.37	0.693292	0.025486	0
GFL001 04+75E	DIRT	Niton	XL3t	6/27/2012	60	0		0		22.17	10.45	38	15.53	0		0		204	90.29	2.022791	0.047488	0
GFL001 04+75E	DIRT	Niton	XL3t	6/19/2012	60	0		0		0		27	12.34	0		114.79	66.26	255	78.3	0.587943	0.023367	0
GFL001 05+00E	DIRT	Niton	XL3t	6/27/2012	60	0		0		20.03	10.23	74	18.7	0		0		425	109.98	2.38385	0.051096	0
GFL001 05+00E	DIRT	Niton	XL3t	6/19/2012	60	0		47.27	23.95	0		46	15.21	0		182.68	82.67	228	80.85	0.8372	0.02905	0
GFL001 05+25E	DIRT	Niton	XL3t	6/27/2012	60	0		0		20.76	10.25	56	17	0		0		355	102.38	1.902933	0.045866	0
GFL001 05+25E	DIRT	Niton	XL3t	6/19/2012	60	0		44.32	23.22	14.91	8.81	43	14.68	0		0		190	76.52	0.766279	0.027451	0
GFL001 05+50E	DIRT	Niton	XL3t	6/27/2012	60	0		0		16.02	9.82	39	15.71	0		0		271	98.1	1.96214	0.04705	0
GFL001 05+50E	DIRT	Niton	XL3t	6/19/2012	60	0		0		0		35	13.66	0		0		169	72.06	0.715173	0.026169	0
GFL001 05+75E	DIRT	Niton	XL3t	6/28/2012	60	0		0		17	9.85	42	16.11	0		0		389	108.85	2.303252	0.050904	0
GFL001 05+75E	DIRT	Niton	XL3t	6/19/2012	60	0		0		0		32	14.68	0		238.94	89.73	232	87.26	0.818813	0.030687	0
GFL001 06+00E	DIRT	Niton	XL3t	6/28/2012	60	0		0		26.24	11.03	57	17.09	0		0		278	97.81	2.149473	0.048735	0
GFL001 06+00E	DIRT	Niton	XL3t	6/19/2012	60	0		0		18.53	9.22	41	14.52	67.42	44.2	0		186	75.86	0.820742	0.028512	0
GFL001 06+25E	DIRT	Niton	XL3t	6/28/2012	60	0		0		26.29	10.86	60	17.74	0		0		345	103.19	2.011382	0.04744	0
GFL001 06+25E	DIRT	Niton	XL3t	6/19/2012	60	0		0		0		35	13.63	0		0		253	81.96	0.76196	0.027457	0
GFL001 06+50E	DIRT	Niton	XL3t	6/28/2012	60	0		0		0		55	17.67	0		0		389	111.47	2.965463	0.058488	0
GFL001 06+50E	DIRT	Niton	XL3t	6/19/2012	60	0		0		0		41	14.76	0		244.45	90.89	247	84.2	0.990378	0.031673	0
GFL001 06+75E	DIRT	Niton	XL3t	6/28/2012	60	0		0		0		61	17.88	0		0		327	105.24	2.461494	0.052881	0
GFL001 06+75E	DIRT	Niton	XL3t	6/19/2012	60	82.11	7.89	81.55	29.27	150.42	19.93	74	19.23	0		568.1	188.55	367	115.33	4.197822	0.069252	0
GFL001 07+00E	DIRT	Niton	XL3t	6/28/2012	60	0		0		22.32	10.67	118	21.81	0		0		374	106.31	2.392571	0.051302	0
GFL001 07+00E	DIRT	Niton	XL3t	6/19/2012	60	0		36.67	21.49	12.47	8.24	40	14.01	0		145.83	75.7	212	75.37	0.788423	0.026921	0
GFL001 07+25E	DIRT	Niton	XL3t	6/28/2012	60	0		0		17.07	10.08	158	25.25	0		0		434	113.14	2.649935	0.054551	0
GFL001 07+25E	DIRT	Niton	XL3t	6/19/2012	60	0		0		0		101	20.77	0		189.72	108.32	217	87.98	1.449528	0.03961	0
GFL001 07+50E	DIRT	Niton	XL3t	6/28/2012	60	0		0		18.63	9.99	159	24.9	0		0		293	99.96	2.631785	0.053746	0
GFL001 07+50E	DIRT	Niton	XL3t	6/19/2012	60	0		0		0		63	14.2	0		211.69	65.69	153	62.72	0.611315	0.021981	0
GFL001 07+75E	DIRT	Niton	XL3t	6/28/2012	60	0		0		17.28	9.69	143	23.64	0		0		499	116.69	2.555339	0.052741	0
GFL001 07+75E	DIRT	Niton	XL3t	6/19/2012	60	0		0		0		63	14.24	0		155.98	63.19	309	76.18	0.598318	0.0218	0
GFL001 08+00E	DIRT	Niton	XL3t	6/28/2012	60	0		0		23.21	10.57	156	25.09	0		0		802	139.38	2.765295	0.055874	0
GFL001 08+00E	DIRT	Niton	XL3t	6/19/2012	60	0		33.29	20.84	0		81	17.19	0		182.48	78.89	318	83.36	0.8737	0.027864	11.23
GFL001 08+25E	DIRT	Niton	XL3t	6/28/2012	60	0		0		0		178	26.39	0		0		1084	154.01	2.596397	0.053719	0
GFL001 08+25E	DIRT	Niton	XL3t	6/19/2012	60	0		0		0		83	17.01	0		152.09	76.14	461	93.42	0.835072	0.027173	0
GFL001 08+50E	DIRT	Niton	XL3t	6/28/2012	60	0		0		17.43	9.96	126	22.87	75.42	49.94	0		438	112.51	2.60793	0.054017	0
GFL001 08+50E	DIRT	Niton	XL3t	6/19/2012	60	0		0		13.3	8.66	63	15.74	0		0		211	77.43	0.948836	0.030015	0
GFL001 08+75E	DIRT	Niton	XL3t	6/28/2012	60	0		0		21.62	10.29	122	22.29	0		0		372	106.81	2.539307	0.052991	0
GFL001 08+75E	DIRT	Niton	XL3t	6/19/2012	60	0		32.3	20.01	0		63	15.18	0		123.81	70.76	173	69.04	0.750469	0.02534	0
GFL001 09+00E	DIRT	Niton	XL3t	6/28/2012	60	0		0		17.15	9.85	132	23.66	0		0		677	130.09	2.401542	0.051827	0
GFL001 09+00E	DIRT	Niton	XL3t	6/19/2012	60	0		0		18.66	9.22	97	18.96	0		189.81	83.35	353	89.78	0.903613	0.029433	0
GFL001 09+25E	DIRT	Niton	XL3t	6/28/2012	60	0		42.99	26.04	24.31	10.75	168	25.66	0		0		518	120.15	2.783371	0.055829	0
GFL001 09+25E	DIRT	Niton	XL3t	6/19/2012	60	0		0		0		78	16.19	0		173.6	73.76	239	73.64	0.800275	0.025935	0
GFL001 09+50E	DIRT	Niton	XL3t	6/28/2012	60	0		0		16.9	9.86	181	26.33	0		0		743	133.85	2.555637	0.053177	0
GFL001 09+50E	DIRT	Niton	XL3t	6/19/2012	60	0		0		14.64	8.03	94	17.2	0		124.5	71.47	481	92.92	0.784788	0.025729	0
GFL001 09+75E	DIRT	Niton	XL3t	6/28/2012	60	0		0		23.91	10.67	60	17.62	0		0		273	96.87	1.712962	0.044088	0
GFL001 09+75E	DIRT	Niton	XL3t	6/19/2012	60	0		34.43	20.3	0		37	13.27	0		125.79	64.44	214	72.08	0.585976	0.022563	0
GFL001 10+00E	DIRT	Niton	XL3t	6/28/2012	60	0		0		23.4	10.59	106	21.65	0		0		424	111.85	2.492749	0.053054	0

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
GFL001 10+00E	DIRT	Niton	XL3t	6/19/2012	60	0		0		21.03	8.77	58	14.75	0		145.16	73.79	319	82.18	0.811917	0.026342	0
GFL001 10+25E	DIRT	Niton	XL3t	6/28/2012	60	0		0		18.97	10.04	77	18.86	0		0		224	89.56	1.786893	0.044215	0
GFL001 10+25E	DIRT	Niton	XL3t	6/19/2012	60	0		0		18.23	9.64	52	16.23	0		0		165	77.06	0.683472	0.027305	0
GFL001 10+50E	DIRT	Niton	XL3t	6/28/2012	60	0		0		0		57	17.4	0		0		391	107.3	2.264674	0.049942	11.98
GFL001 10+50E	DIRT	Niton	XL3t	6/19/2012	60	0		0		0		52	14.69	0		180.83	76.29	221	77.56	0.758786	0.026584	0
GFL001 10+75E	DIRT	Niton	XL3t	6/28/2012	60	0		0		0		49	16.84	0		0		322	101.99	2.178356	0.049272	0
GFL001 10+75E	DIRT	Niton	XL3t	6/19/2012	60	0		0		15.65	9.58	42	15.52	0		141.82	87.99	252	87.7	0.885308	0.031622	0
GFL001 11+00E	DIRT	Niton	XL3t	6/28/2012	60	0		0		23.02	11.1	75	19.59	0		0		423	115.43	2.964681	0.058824	0
GFL001 11+00E	DIRT	Niton	XL3t	6/19/2012	60	0		0		17.35	9.73	47	16.09	0		183.03	96.53	304	94.01	1.076726	0.034657	0
GFL001 11+25E	DIRT	Niton	XL3t	6/28/2012	60	0		0		18.67	10.76	74	19.67	0		0		275	104.17	2.321841	0.053341	0
GFL001 11+25E	DIRT	Niton	XL3t	6/19/2012	60	0		0		0		50	15.14	0		150.52	83.97	225	79.87	0.932022	0.030198	0
GFL001 11+50E	DIRT	Niton	XL3t	6/28/2012	60	0		50.33	27.78	27.56	11.39	177	27.19	0		0		991	155.71	3.070521	0.060363	0
GFL001 11+50E	DIRT	Niton	XL3t	6/19/2012	60	0		41.96	22.81	13.57	8.51	70	16.77	0		146.13	81.68	369	90.9	0.897797	0.029373	0
GFL001 11+75E	DIRT	Niton	XL3t	6/28/2012	60	0		56.45	28.1	26.69	11.43	140	24.58	0		0		391	115.09	3.432628	0.063486	0
GFL001 11+75E	DIRT	Niton	XL3t	6/19/2012	60	0		0		0		70	15.73	0		139.95	71.81	126	64.51	0.74454	0.025481	0
GFL001 12+00E	DIRT	Niton	XL3t	6/28/2012	60	0		0		23.15	11.5	99	22.79	0		0		436	119.73	2.043467	0.051836	0
GFL001 12+00E	DIRT	Niton	XL3t	6/19/2012	60	0		0		0		51	14.24	0		152.11	69.13	175	71	0.651406	0.024075	0
GFL001 12+25E	DIRT	Niton	XL3t	6/28/2012	60	0		0		23.59	10.74	75	19.51	0		0		291	99.52	2.182701	0.050015	0
GFL001 12+25E	DIRT	Niton	XL3t	6/19/2012	60	0		0		12.31	7.73	36	12.38	0		130.25	62.05	205	68.26	0.572794	0.021625	0
GFL001 12+50E	DIRT	Niton	XL3t	6/28/2012	60	0		0		14.6	9.72	147	24.27	0		0		473	114.99	2.494433	0.052718	0
GFL001 12+50E	DIRT	Niton	XL3t	6/19/2012	60	0		0		0		84	18.5	0		0		215	80.39	0.70618	0.027249	0
GFL001 12+75E	DIRT	Niton	XL3t	6/28/2012	60	0		0		15.49	9.6	85	20.02	0		0		304	99.45	2.120074	0.048718	0
GFL001 12+75E	DIRT	Niton	XL3t	6/19/2012	60	0		0		0		68	15.85	0		147.43	69.93	226	74.03	0.696053	0.024585	0
GFL001 13+00E	DIRT	Niton	XL3t	6/28/2012	60	0		0		0		104	21.51	0		0		211	92.47	2.269884	0.050536	0
GFL001 13+00E	DIRT	Niton	XL3t	6/19/2012	60	0		0		15.25	8.15	64	14.95	0		179.04	75.21	201	71.38	0.841494	0.026503	0
GFL002 00+00	DIRT	Niton	XL3t	6/29/2012	60	0		0		22.69	10.83	202	29.2	0		0		2872	243.72	3.02454	0.060382	0
GFL002 00+25W	DIRT	Niton	XL3t	6/29/2012	60	0		42	26.64	21.05	10.67	123	22.98	0		0		644	130.34	2.885087	0.057875	0
GFL002 00+50W	DIRT	Niton	XL3t	6/29/2012	60	0		0		28.77	10.99	121	22.94	0		0		1520	178.16	2.355099	0.051656	0
GFL002 00+75W	DIRT	Niton	XL3t	6/29/2012	60	0		0		22.43	10.27	109	21.5	0		0		345	103.59	2.582677	0.052715	0
GFL002 01+00W	DIRT	Niton	XL3t	6/29/2012	60	0		0		23.19	10.52	128	22.82	0		0		1111	155.76	2.427056	0.052198	0
GFL002 01+25W	DIRT	Niton	XL3t	6/29/2012	60	0		0		18.44	10.42	82	19.58	0		0		525	119.78	2.43305	0.052677	0
GFL002 01+50W	DIRT	Niton	XL3t	6/29/2012	60	0		0		18.27	10.16	131	23.91	0		0		683	135.04	3.105145	0.059978	0
GFL002 01+75W	DIRT	Niton	XL3t	6/29/2012	60	0		0		18.85	10.47	137	23.92	0		0		1229	165.44	2.471038	0.05359	0
GFL002 02+00W	DIRT	Niton	XL3t	6/29/2012	60	0		0		18.76	10.39	110	22.21	0		0		544	123.73	2.636049	0.055446	0
GFL002 02+25W	DIRT	Niton	XL3t	6/29/2012	60	0		0		23.7	10.7	141	24.52	0		0		1040	155.16	2.802266	0.056767	0
GFL002 02+50W	DIRT	Niton	XL3t	6/29/2012	60	0		0		20.82	10.28	103	22.03	0		0		976	150	2.610903	0.054737	0
GFL002 02+75W	DIRT	Niton	XL3t	6/29/2012	60	0		0		26.58	11.19	107	21.91	0		0		1537	181.15	2.366271	0.052612	0
GFL002 03+00W	DIRT	Niton	XL3t	6/29/2012	60	0		0		23.94	10.41	112	21.68	0		0		669	127.46	2.32001	0.050677	0
GFL002 03+25W	DIRT	Niton	XL3t	6/29/2012	60	0		0		23.65	10.75	157	25.55	0		255.96	153.13	554	124.77	2.832128	0.057246	0
GFL002 03+50W	DIRT	Niton	XL3t	6/29/2012	60	0		0		14.83	9.66	208	28.31	0		0		550	122.11	2.69533	0.055137	0
GFL002 03+75W	DIRT	Niton	XL3t	6/29/2012	60	0		0		21.23	10.58	280	33.23	0		0		1434	178.53	2.344928	0.052777	0
GFL002 04+00W	DIRT	Niton	XL3t	6/29/2012	60	0		0		20.63	10.34	159	25.34	0		0		560	123.29	2.749351	0.055754	0
GFL002 04+25W	DIRT	Niton	XL3t	6/29/2012	60	0		0		0		106	21.84	0		0		541	121.53	2.310836	0.051577	0
GFL002 04+50W	DIRT	Niton	XL3t	6/29/2012	60	0		0		0		135	24.33	0		0		851	146.55	2.994745	0.059539	15.18
GFL002 04+75W	DIRT	Niton	XL3t	6/29/2012	60	0		0		16.72	10.56	176	27.92	0		0		565	129.05	2.534349	0.056032	0

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
GFL002 05+00W	DIRT	Niton	XL3t	6/29/2012	60	0		0		19.27	10.26	124	22.67	0		0		858	140.78	2.351996	0.051337	0
GFL002 05+25W	DIRT	Niton	XL3t	6/29/2012	60	0		0		17	10.19	146	24.71	0		0		1030	152.34	2.193101	0.050278	0
GFL002 05+50W	DIRT	Niton	XL3t	6/29/2012	60	0		0		0		89	20.41	0		0		504	115.12	1.814429	0.045217	0
GFL002 05+75W	DIRT	Niton	XL3t	6/29/2012	60	0		0		21.77	10.94	246	31.53	0		0		2269	218.9	2.634362	0.056609	0
GFL002 06+00W	DIRT	Niton	XL3t	6/29/2012	60	0		0		25.41	11.15	235	30.49	0		0		1485	182.27	2.879973	0.058543	0
GFL002 06+25W	DIRT	Niton	XL3t	6/29/2012	60	0		0		17.79	10.17	164	25.45	0		0		658	127.8	2.061464	0.048445	0
GFL002 06+50W	DIRT	Niton	XL3t	6/29/2012	60	0		0		15.72	10.22	190	27.57	0		0		695	131.87	2.006942	0.048371	0
GFL002 06+75W	DIRT	Niton	XL3t	6/29/2012	60	0		54.84	29.19	28.38	11.83	261	32.75	0		0		1032	162.43	3.227567	0.063149	0
GFL002 07+00W	DIRT	Niton	XL3t	6/29/2012	60	0		0		16.86	10.26	92	20.83	0		0		442	112.29	1.962419	0.047767	0
GFL002 07+25W	DIRT	Niton	XL3t	6/29/2012	60	0		0		22.55	10.78	235	30.34	79	51.87	0		1976	202.8	2.976838	0.058737	0
GFL002 07+50W	DIRT	Niton	XL3t	6/29/2012	60	0		52.97	29.08	39.91	12.97	168	27.35	0		0		948	161.51	4.591767	0.075504	0
GFL002 07+75W	DIRT	Niton	XL3t	6/29/2012	60	0		0		29.24	11.67	174	27.43	0		0		863	153.08	4.142005	0.070919	0
GFL002 08+00W	DIRT	Niton	XL3t	6/29/2012	60	0		0		20.03	10.9	102	22.14	0		0		917	151.22	2.7526	0.057794	0
GFL002 08+25W	DIRT	Niton	XL3t	6/29/2012	60	0		49.11	27.09	21.12	10.42	87	20.64	0		0		342	104.68	2.079395	0.048804	0
GFL002 08+50W	DIRT	Niton	XL3t	6/29/2012	60	0		0		21.79	10.98	170	26.96	0		0		1087	163.33	3.693931	0.066269	0
GFL002 08+75W	DIRT	Niton	XL3t	6/29/2012	60	0		0		30.89	11.58	116	22.64	0		0		1412	174.98	2.457657	0.053336	0
GFL002 09+00W	DIRT	Niton	XL3t	6/29/2012	60	0		0		21.52	10.71	145	24.63	0		0		1375	172.84	2.454068	0.05335	0
GFL002 09+25W	DIRT	Niton	XL3t	6/29/2012	60	0		0		19.01	10.33	137	23.73	0		0		1051	154.25	2.606589	0.054696	0
GFL002 09+50W	DIRT	Niton	XL3t	6/29/2012	60	0		0		26.83	11	107	21.87	0		0		629	126.51	2.594271	0.054123	0
GFL002 09+75W	DIRT	Niton	XL3t	6/29/2012	60	0		0		17.89	10.28	171	26.63	0		0		1103	159.31	2.483156	0.053997	0
GFL002 10+00W	DIRT	Niton	XL3t	6/29/2012	60	0		0		20.23	10.35	138	24.28	0		0		644	129.91	2.608346	0.055039	0
GFL002 10+25W	DIRT	Niton	XL3t	6/29/2012	60	0		0		19.85	10.73	185	27.74	0		0		536	124.64	2.820762	0.058055	0
GFL002 10+50W	DIRT	Niton	XL3t	6/29/2012	60	0		0		44.57	13.01	130	23.8	0		0		954	154.83	3.114545	0.060962	0
GFL002 10+75W	DIRT	Niton	XL3t	6/29/2012	60	0		0		30.36	11.56	270	32.74	0		0		1639	190.68	3.038673	0.06021	0
GFL002 11+00W	DIRT	Niton	XL3t	6/29/2012	60	0		0		28.35	11.44	153	25.64	0		0		1333	173.28	2.918121	0.05845	0
GFL002 11+25W	DIRT	Niton	XL3t	6/29/2012	60	0		0		46.72	12.79	118	22.68	0		0		856	142.26	2.673422	0.055102	0
GFL002 11+50W	DIRT	Niton	XL3t	6/29/2012	60	0		0		48.71	13.62	221	30.01	0		0		2374	224.59	3.064909	0.060709	0
GFL002 11+75W	DIRT	Niton	XL3t	6/29/2012	60	0		0		16.18	9.71	59	17.33	0		0		335	99.06	1.735282	0.043742	0
GFL002 12+00W	DIRT	Niton	XL3t	6/29/2012	60	0		0		40.52	12.23	102	21.25	0		0		828	141.27	2.752574	0.055859	0
GFL002 12+25W	DIRT	Niton	XL3t	6/29/2012	60	0		0		35.41	11.62	139	23.76	0		0		783	135.67	2.703337	0.054624	0
GFL002 12+50W	DIRT	Niton	XL3t	6/29/2012	60	0		0		54.26	13.75	117	22.69	0		0		2867	239.62	2.826762	0.057641	0
GFL002 12+75W	DIRT	Niton	XL3t	6/29/2012	60	0		0		25.74	10.97	175	26.79	0		0		1063	156.76	2.841186	0.057155	0
GFL002 13+00W	DIRT	Niton	XL3t	6/29/2012	60	0		0		27.93	11.1	129	23.28	0		0		701	131.78	2.353041	0.051622	0
GFL002 13+25W	DIRT	Niton	XL3t	6/29/2012	60	0		0		24.22	10.74	111	21.93	0		0		480	115.3	2.428967	0.052121	0
GFL002 13+50W	DIRT	Niton	XL3t	6/29/2012	60	0		0		34.47	12.15	118	22.95	0		0		374	112.75	3.233869	0.061771	0
GFL002 13+75W	DIRT	Niton	XL3t	6/29/2012	60	0		0		19.09	10.08	69	18.12	0		0		409	107.99	1.866755	0.045431	0
GFL002 14+00W	DIRT	Niton	XL3t	6/29/2012	60	0		0		22.3	10.99	94	20.85	0		0		512	121.07	2.604426	0.055187	0
GFL002 14+25W	DIRT	Niton	XL3t	6/29/2012	60	0		0		15.54	9.98	183	26.87	0		0		568	123.75	2.609854	0.054267	0
GFL002 14+50W	DIRT	Niton	XL3t	6/29/2012	60	0		0		0		139	23.77	0		0		467	112.69	2.140045	0.048793	0
GFL002 14+75W	DIRT	Niton	XL3t	6/29/2012	60	0		0		40.36	12.21	107	21.69	0		0		532	117.38	2.003483	0.047258	0
GFL002 15+00W	DIRT	Niton	XL3t	6/29/2012	60	0		0		26.37	11.15	187	27.36	0		0		486	119.92	2.952067	0.058209	0
GFL002 15+25W	DIRT	Niton	XL3t	6/29/2012	60	0		0		26.21	10.73	109	21.76	0		0		1047	151.4	2.554515	0.053189	0
GFL002 15+50W	DIRT	Niton	XL3t	6/30/2012	60	0		0		16.98	9.93	101	21.44	0		0		837	142.08	2.613324	0.054742	0
GFL002 15+75W	DIRT	Niton	XL3t	6/30/2012	60	0		0		17.81	10.16	175	26.14	0		0		656	128.85	2.771886	0.055979	0
GFL002 16+00W	DIRT	Niton	XL3t	6/30/2012	60	0		0		29.82	11.67	292	33.77	0		0		982	155.38	2.982651	0.059692	0

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
GFL002 16+25W	DIRT	Niton	XL3t	6/30/2012	60	0		0		26.78	11.28	156	25.52	0		0		933	147.5	2.412088	0.052764	0
GFL002 16+50W	DIRT	Niton	XL3t	6/30/2012	60	0		0		18.02	10.21	166	25.84	0		0		1099	158.23	2.6589	0.055383	0
GFL002 16+75W	DIRT	Niton	XL3t	6/30/2012	60	0		0		0		95	21.8	0		316.87	171.91	416	118.29	3.442766	0.064259	15.73
GFL002 17+00W	DIRT	Niton	XL3t	6/30/2012	60	0		0		23.8	11	216	29.86	0		0		1729	195.22	3.021639	0.060143	0
GFL002 17+25W	DIRT	Niton	XL3t	6/30/2012	60	0		0		20.37	10.74	156	26.15	0		0		203	95.5	2.747399	0.05734	64.5
GFL002 17+50W	DIRT	Niton	XL3t	6/30/2012	60	0		0		16.53	10.01	130	23.39	0		0		695	130.76	2.129983	0.049406	0
GFL002 17+75W	DIRT	Niton	XL3t	6/30/2012	60	0		0		22.94	10.82	103	21.44	0		0		1084	155.71	2.080329	0.049233	0
GFL002 18+00W	DIRT	Niton	XL3t	6/30/2012	60	0		0		26.98	11.17	116	22.92	0		0		1101	159.45	2.760111	0.056865	20.6
GFL002 18+25W	DIRT	Niton	XL3t	6/30/2012	60	0		0		15.07	10	146	24.78	0		0		976	151.68	2.637551	0.055432	0
GFL002 18+50W	DIRT	Niton	XL3t	6/30/2012	60	0		0		0		113	22.25	0		0		814	140.92	2.541239	0.054051	0
GFL002 18+75W	DIRT	Niton	XL3t	6/30/2012	60	0		0		0		101	21.34	0		0		1219	163.86	2.524748	0.05359	0
GFL002 19+00W	DIRT	Niton	XL3t	6/30/2012	60	0		0		15.09	9.92	131	23.54	0		0		1447	176.21	2.663374	0.055401	0
GFL002 19+25W	DIRT	Niton	XL3t	6/30/2012	60	0		0		22.6	10.74	158	25.78	0		0		1118	160.18	2.675658	0.056068	0
GFL002 19+50W	DIRT	Niton	XL3t	6/30/2012	60	0		0		0		102	21.73	0		0		1008	157.1	3.000794	0.060008	0
GFL002 19+75W	DIRT	Niton	XL3t	6/30/2012	60	0		0		21.24	10.81	119	23.22	0		0		3520	266.83	2.365219	0.053702	0
GFL002 20+00W	DIRT	Niton	XL3t	6/30/2012	60	0		0		23.68	10.83	164	26.18	0		0		1087	158.71	2.917353	0.05809	0
GFL002 20+25W	DIRT	Niton	XL3t	6/30/2012	60	0		0		20.6	10.84	144	25.1	0		0		1642	191.55	2.683092	0.057257	13.68
GFL002 20+50W	DIRT	Niton	XL3t	6/30/2012	60	0		0		39.56	12.24	140	24.85	0		0		929	150.21	2.842763	0.057737	0
GFL002 20+75W	DIRT	Niton	XL3t	6/30/2012	60	0		0		21.72	10.3	127	23.14	0		0		1180	160.9	2.528088	0.053491	0
GFL002 21+00W	DIRT	Niton	XL3t	6/30/2012	60	0		0		18.9	10.27	97	21.39	0		0		1529	182.35	2.763616	0.056843	0
GFL002 21+25W	DIRT	Niton	XL3t	6/30/2012	60	0		0		22.33	10.49	124	22.8	0		0		502	119.72	2.842363	0.056779	0
GFL003 00+00	DIRT	Niton	XL3t	6/30/2012	60	0		0		0		32	14.49	0		0		0		1.434011	0.039087	0
GFL003 00+25E	DIRT	Niton	XL3t	6/30/2012	60	0		0		0		60	17.25	0		0		310	98.04	1.753224	0.044015	0
GFL003 00+50E	DIRT	Niton	XL3t	6/30/2012	60	0		0		16.09	10.18	53	17.63	0		0		189	90.27	2.013081	0.048463	0
GFL003 00+75E	DIRT	Niton	XL3t	6/30/2012	60	0		0		0		49	16.56	0		0		140	83.43	1.724902	0.044071	0
GFL003 01+00E	DIRT	Niton	XL3t	6/30/2012	60	0		0		0		63	17.5	0		0		341	99.08	1.531472	0.040598	0
GFL003 01+25E	DIRT	Niton	XL3t	6/30/2012	60	0		0		18.77	9.99	169	25.65	0		0		1065	153.04	2.298981	0.05088	0
GFL003 01+50E	DIRT	Niton	XL3t	6/30/2012	60	0		40	26.65	17.19	10.03	192	27.84	0		0		971	153.06	2.994583	0.059099	0
GFL003 01+75E	DIRT	Niton	XL3t	6/30/2012	60	0		0		17.8	10.21	126	23.33	0		0		328	108.28	3.269735	0.061348	0
GFL003 02+00E	DIRT	Niton	XL3t	6/30/2012	60	0		0		0		83	19.21	0		0		336	100.48	1.865846	0.044888	0
GFL003 02+25E	DIRT	Niton	XL3t	6/30/2012	60	0		0		0		44	16.04	0		176.27	117.01	151	82.7	1.705774	0.043322	0
GFL003 02+50E	DIRT	Niton	XL3t	6/30/2012	60	0		0		17.38	10.24	53	17.4	0		0		256	96.8	1.894179	0.046738	0
GFL003 02+75E	DIRT	Niton	XL3t	6/30/2012	60	0		42	25.77	28.57	10.95	102	21.03	0		0		148	89.01	2.807474	0.055651	0
GFL003 03+00E	DIRT	Niton	XL3t	6/30/2012	60	0		0		0		137	23.83	0		0		323	102.99	2.598059	0.053868	0
GFL003 03+25E	DIRT	Niton	XL3t	6/30/2012	60	0		0		0		128	22.95	0		0		892	141.8	2.329692	0.050656	0
GFL003 03+50E	DIRT	Niton	XL3t	6/30/2012	0	0		0		0		0		0		0		0		0		0
GFL003 03+50E	DIRT	Niton	XL3t	6/30/2012	0	0		0		0		0		0		0		0		4.539411	1.331781	0
GFL003 03+50E	DIRT	Niton	XL3t	6/30/2012	60	0		0		25.86	11.23	108	22.62	0		272.9	169.01	412	118.91	3.340779	0.063451	0
GFL003 03+50E	DIRT	Niton	XL3t	6/30/2012	10	0		0		0		137	50.71	0		0		0		3.515471	0.136985	0
GFL003 03+75E	DIRT	Niton	XL3t	6/30/2012	60	0		0		19.48	10.17	110	21.73	0		0		743	133.74	2.387847	0.051724	0
GFL003 04+00E	DIRT	Niton	XL3t	6/30/2012	60	0		0		0		129	23.12	0		0		700	129.15	1.89136	0.04604	0
GFL003 04+25E	DIRT	Niton	XL3t	6/30/2012	60	0		0		16.45	9.61	99	20.47	0		0		471	111.62	2.454906	0.051162	0
GFL003 04+50E	DIRT	Niton	XL3t	6/30/2012	60	0		0		26.76	10.89	147	24.42	0		0		1124	156.56	2.407459	0.052134	0
GFL003 04+75E	DIRT	Niton	XL3t	6/30/2012	60	0		0		19.92	10.09	117	22.34	0		0		1162	160.35	2.291192	0.051386	0
GFL003 05+00E	DIRT	Niton	XL3t	6/30/2012	60	0		0		22.83	10.32	97	20.45	0		0		922	142.78	2.164999	0.048892	0

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
GFL003 05+25E	DIRT	Niton	XL3t	6/30/2012	60	0		0		20.64	10	93	20.2	0		0		1112	152.75	2.118365	0.048126	0
GFL003 05+50E	DIRT	Niton	XL3t	6/30/2012	60	0		0		21.87	10.25	135	23.58	0		0		871	141.08	2.303053	0.050639	0
GFL003 05+75E	DIRT	Niton	XL3t	6/30/2012	60	0		0		19.84	10.14	84	19.71	0		0		489	114.06	2.226436	0.049436	0
GFL003 06+00E	DIRT	Niton	XL3t	6/30/2012	60	0		0		0		58	16.73	0		0		282	94.71	1.721447	0.043362	0
GFL003 06+25E	DIRT	Niton	XL3t	6/30/2012	60	10	5.9	0		21.32	11	149	25.44	0		0		502	127.85	3.833034	0.068137	0
GFL003 06+50E	DIRT	Niton	XL3t	6/30/2012	60	0		0		0		110	21.71	0		0		328	103.15	2.324867	0.051033	0
GFL003 06+75E	DIRT	Niton	XL3t	6/30/2012	60	0		0		0		75	19.14	0		0		281	99.21	2.305472	0.050765	0
GFL003 07+00E	DIRT	Niton	XL3t	6/30/2012	60	0		0		23.5	10.93	57	18.4	0		0		329	108.75	2.794063	0.057657	0
GFL003 07+25E	DIRT	Niton	XL3t	6/30/2012	60	0		0		16.59	9.87	94	20.14	0		0		234	95.67	2.636045	0.054138	0
GFL003 07+50E	DIRT	Niton	XL3t	6/30/2012	60	0		0		15.57	9.8	94	20.79	0		0		873	142.93	2.699309	0.055267	0
GFL003 07+75E	DIRT	Niton	XL3t	6/30/2012	60	0		53	27.79	21.27	10.61	109	22.22	0		0		616	129.39	2.641042	0.055603	0
GFL003 08+00E	DIRT	Niton	XL3t	6/30/2012	60	0		0		17.38	9.99	140	23.93	0		0		563	120.73	2.468714	0.052525	0
GFL003 08+25E	DIRT	Niton	XL3t	6/30/2012	60	0		0		24.78	11.08	155	25.68	0		0		606	131.4	3.229565	0.061587	0
GFL003 08+50E	DIRT	Niton	XL3t	6/30/2012	60	0		0		22.07	10.59	136	24.32	0		0		1097	159.25	2.737871	0.05661	0
GFL003 08+75E	DIRT	Niton	XL3t	6/30/2012	60	0		0		15.77	10	92	20.94	0		0		564	123.81	2.671493	0.055131	0
GFL003 09+00E	DIRT	Niton	XL3t	6/30/2012	60	0		0		21.16	10.38	90	20.35	0		0		1423	173.32	2.294165	0.050989	0
GFL003 09+25E	DIRT	Niton	XL3t	6/30/2012	60	0		0		0		114	21.83	0		0		558	119.73	2.504622	0.052371	0
GFL003 09+50E	DIRT	Niton	XL3t	7/1/2012	60	0		0		18.81	10.13	63	17.47	0		0		459	113.31	2.429778	0.051891	0
GFL003 09+75E	DIRT	Niton	XL3t	7/1/2012	60	0		0		32.57	11.84	100	21.43	0		0		476	118.66	2.802748	0.057084	0
GFL003 10+00E	DIRT	Niton	XL3t	7/1/2012	60	0		43.35	26.87	40.52	12.59	102	22.11	0		0		802	140.59	2.330145	0.052367	0
GFL003 10+25E	DIRT	Niton	XL3t	7/1/2012	60	0		0		23	10.24	106	21.39	0		0		886	140.45	2.446056	0.051647	0
GFL003 10+50E	DIRT	Niton	XL3t	7/1/2012	60	0		45.73	27.36	36.25	12.25	134	24.5	0		0		340	113.98	3.820299	0.067156	0
GFL003 10+75E	DIRT	Niton	XL3t	7/1/2012	60	0		0		0		145	26.28	0		0		510	135.82	4.617037	0.07731	0
GFL003 11+00E	DIRT	Niton	XL3t	7/1/2012	60	0		46.66	27.41	26.81	11.23	134	24.41	0		0		474	120.01	2.896009	0.058231	0
GFL003 11+25E	DIRT	Niton	XL3t	7/1/2012	60	0		0		24.94	11.24	133	24.59	0		0		1681	192.57	2.717966	0.057276	0
GFL003 11+50E	DIRT	Niton	XL3t	7/1/2012	60	0		0		31.82	11.75	99	21.56	0		0		298	105.25	2.943294	0.05862	0
GFL003 11+75E	DIRT	Niton	XL3t	7/1/2012	60	0		0		26.37	11.43	153	25.22	0		0		530	124.59	3.098548	0.060043	0
GFL003 12+00E	DIRT	Niton	XL3t	7/1/2012	60	0		0		30.58	11.93	120	23.56	0		0		696	139.97	3.628844	0.065792	15.12
GFL003 12+25E	DIRT	Niton	XL3t	7/1/2012	60	0		0		26.04	11.41	168	26.77	0		0		616	130.48	2.780781	0.057573	0
GFL003 12+50E	DIRT	Niton	XL3t	7/1/2012	60	0		0		34.35	11.83	187	26.98	0		0		1226	164.16	2.477842	0.053353	0
GFL003 12+75E	DIRT	Niton	XL3t	7/1/2012	60	0		0		28.01	11.1	135	23.84	0		0		366	107.38	2.362061	0.051947	0
GFL003 13+00E	DIRT	Niton	XL3t	7/1/2012	60	0		0		15.36	9.84	176	26.3	0		0		363	107.96	2.487919	0.053017	0
GFL003 13+25E	DIRT	Niton	XL3t	7/1/2012	60	12.44	6.05	0		18	10.56	169	27.28	0		0		713	140.26	2.690342	0.057812	0
GFL003 13+50E	DIRT	Niton	XL3t	7/1/2012	60	0		0		0		60	17.29	0		0		403	106.63	1.64581	0.042946	0
GFL003 13+75E	DIRT	Niton	XL3t	7/1/2012	40	0		0		14.95	9.74	143	24.37	0		0		829	138.19	2.260952	0.050344	0
GFL003 14+00E	DIRT	Niton	XL3t	7/1/2012	60	0		0		32.8	11.86	137	24.66	0		0		711	134.97	2.32163	0.05256	0
GFL003 14+25E	DIRT	Niton	XL3t	7/1/2012	60	0		0		25.05	11.01	74	19.67	0		0		495	120.37	2.608601	0.055284	0
GFL003 14+50E	DIRT	Niton	XL3t	7/1/2012	60	0		0		0		155	25.63	0		0		590	128.98	2.783278	0.057365	12.99
GFL003 14+75E	DIRT	Niton	XL3t	7/1/2012	60	0		0		32.91	11.72	181	27.27	0		0		550	123.49	2.707957	0.056005	0
GFL003 15+00E	DIRT	Niton	XL3t	7/1/2012	60	0		0		16.04	10.02	159	25.54	0		0		454	115.45	2.824536	0.056702	12.58
GFL003 15+25E	DIRT	Niton	XL3t	7/1/2012	60	0		0		29.93	11.51	145	25.19	0		0		376	113.37	3.136456	0.060607	0
GFL003 15+50E	DIRT	Niton	XL3t	7/1/2012	60	0		0		18.56	10.57	72	19.6	0		0		478	119.92	2.490653	0.05419	0
GFL003 15+75E	DIRT	Niton	XL3t	7/1/2012	60	0		0		21.44	10.78	234	30.68	0		0		597	132.14	3.744611	0.066505	0
GFL003 16+00E	DIRT	Niton	XL3t	7/1/2012	60	0		40.31	26.71	32.95	11.86	176	27.28	0		0		877	148.32	3.362152	0.062592	0
GFL003 16+25E	DIRT	Niton	XL3t	7/1/2012	60	0		0		24.88	10.71	110	21.86	0		0		1003	151.26	2.865085	0.056736	0

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
GFL003 16+50E	DIRT	Niton	XL3t	7/1/2012	60	0		0		32.63	12.01	82	20.41	0		0		483	123.15	2.971146	0.059432	0
GFL003 16+75E	DIRT	Niton	XL3t	7/1/2012	60	0		66.8	30.73	33.16	12.6	186	28.8	0		0		537	138.92	5.072183	0.080035	0
GFL003 17+00E	DIRT	Niton	XL3t	7/1/2012	60	0		0		42.12	12.97	186	28.25	0		0		567	130.83	3.01802	0.060865	0
GFL003 17+25E	DIRT	Niton	XL3t	7/1/2012	60	0		0		26.44	11.03	132	23.64	0		0		456	115.66	2.601086	0.05464	0
GFL003 17+50E	DIRT	Niton	XL3t	7/1/2012	60	0		0		18.81	10.25	122	23.16	0		0		259	101.13	2.978802	0.058393	13
GFL003 17+75E	DIRT	Niton	XL3t	7/1/2012	60	0		0		34.38	11.89	130	23.79	0		0		305	104.04	2.854729	0.057289	0
GFL003 18+00E	DIRT	Niton	XL3t	7/1/2012	60	0		0		18.5	10.89	82	20.96	0		0		781	145.96	2.793565	0.05913	0
GFL003 18+25E	DIRT	Niton	XL3t	7/1/2012	46	0		0		21.22	10.72	124	23.43	0		0		425	118.7	3.473739	0.063957	0
GFL003 18+50E	DIRT	Niton	XL3t	7/1/2012	52	0		54.66	27.99	32.08	11.93	180	27.24	0		0		614	133.15	3.506854	0.064245	0
GFL003 18+75E	DIRT	Niton	XL3t	7/1/2012	60	0		0		25.31	10.88	115	22.62	0		0		411	113.46	2.889339	0.057536	0
GFL003 19+00E	DIRT	Niton	XL3t	7/1/2012	60	0		0		27.18	11.23	132	23.81	0		0		348	108.87	2.728464	0.056539	0
GFL003 19+25E	DIRT	Niton	XL3t	7/1/2012	60	0		0		28.47	11.67	150	25.95	0		0		458	123.2	3.239532	0.063026	0
GFL003 19+50E	DIRT	Niton	XL3t	7/1/2012	60	0		0		36.87	12.23	152	25.5	0		0		317	109.49	3.206172	0.061454	0
GFL003 19+75E	DIRT	Niton	XL3t	7/1/2012	60	0		0		26	11.65	145	25.21	0		0		762	141.15	2.577322	0.05613	0
GFL003 20+00E	DIRT	Niton	XL3t	7/1/2012	58	0		0		27.58	11.55	272	32.46	0		0		961	153.35	2.848654	0.058418	0
GFL003 20+25E	DIRT	Niton	XL3t	7/1/2012	60	0		0		33.73	11.4	175	26.32	0		0		701	131.42	2.682477	0.054901	0
GFL003 20+50E	DIRT	Niton	XL3t	7/1/2012	60	0		0		21.06	10.53	110	22.04	0		0		554	120.4	2.219761	0.050275	0
GFL003 20+75E	DIRT	Niton	XL3t	7/1/2012	60	0		0		17.76	10.5	111	21.98	0		0		306	103.41	2.510301	0.053973	0
GFL003 21+00E	DIRT	Niton	XL3t	7/1/2012	60	0		0		25.11	10.92	120	22.83	0		0		614	126.41	2.403966	0.052519	0
GFL003 21+25E	DIRT	Niton	XL3t	7/2/2012	60	0		0		22.83	10.86	97	21.06	0		0		678	132.45	2.536149	0.054385	0
GFL003 21+50E	DIRT	Niton	XL3t	7/2/2012	60	0		0		17.1	10.26	101	21.24	0		0		814	141.98	2.721308	0.056169	0
GFL003 21+75E	DIRT	Niton	XL3t	7/2/2012	60	0		0		21.38	11.29	138	25.27	0		0		694	139.59	3.05249	0.061294	0
GFL003 22+00E	DIRT	Niton	XL3t	7/2/2012	60	0		0		0		76	20.12	0		0		415	112.18	2.275168	0.052076	0
GFL003 22+25E	DIRT	Niton	XL3t	7/2/2012	60	0		0		39.5	12.77	224	30.86	0		0		1223	172.79	3.191114	0.062974	0
GFL003 22+50E	DIRT	Niton	XL3t	7/2/2012	60	0		0		37.84	12.39	134	24.59	0		0		518	127.62	3.344766	0.063831	0
GFL003 22+75E	DIRT	Niton	XL3t	7/2/2012	60	0		0		25.65	11.44	111	23.08	0		0		591	135.22	3.541954	0.066307	0
GFL003 23+00E	DIRT	Niton	XL3t	7/2/2012	60	0		0		31.63	11.68	122	23.32	0		0		273	105.45	3.337379	0.062353	0
GFL003 23+25E	DIRT	Niton	XL3t	7/2/2012	60	0		0		26.7	11.84	134	25.12	0		0		577	133.68	3.18105	0.063921	0
GFL003 23+50E	DIRT	Niton	XL3t	7/2/2012	60	0		0		27.94	11.56	150	25.45	0		0		628	133.25	3.068179	0.060678	0
GFL003 23+75E	DIRT	Niton	XL3t	7/2/2012	60	0		0		0		139	24.89	0		0		512	123.1	2.836368	0.058131	0
GFL003 24+00E	DIRT	Niton	XL3t	7/2/2012	60	0		44.49	27.12	0		134	24.25	0		0		385	112.81	2.962883	0.059041	0
GFL003 24+25E	DIRT	Niton	XL3t	7/2/2012	60	0		0		35.3	12.16	113	22.96	0		0		275	104.9	2.918341	0.058673	0
GFL003 24+50E	DIRT	Niton	XL3t	7/2/2012	60	0		0		30.76	11.68	136	24.45	0		0		799	141.9	2.634105	0.055922	0
GFL003 24+75E	DIRT	Niton	XL3t	7/2/2012	60	0		0		17.01	10.33	162	26.14	0		0		805	141.39	2.585024	0.05499	0
GFL003 25+00E	DIRT	Niton	XL3t	7/2/2012	60	0		0		26.01	10.98	183	27.04	0		0		1285	166.37	2.426721	0.052757	0
GFL003 25+25E	DIRT	Niton	XL3t	7/2/2012	60	0		0		0		198	28.44	0		0		751	139.23	2.431223	0.05361	0
GFL003 25+50E	DIRT	Niton	XL3t	7/2/2012	60	0		0		17.51	9.99	167	25.62	0		0		772	135.54	2.281176	0.05073	0
GFL003 25+75E	DIRT	Niton	XL3t	7/2/2012	60	0		0		21.85	10.59	72	19.03	0		0		325	102.99	2.088803	0.049033	0
GFL003 26+00E	DIRT	Niton	XL3t	7/2/2012	60	0		0		22.01	10.81	151	25.39	0		0		546	123.79	2.380941	0.053249	0
GFL003 26+25E	DIRT	Niton	XL3t	7/2/2012	60	0		0		28.07	11.56	130	24.22	0		0		841	146.52	2.787241	0.057821	0
GFL003 26+50E	DIRT	Niton	XL3t	7/2/2012	60	0		0		24.3	11.29	125	23.7	0		0		533	125.33	3.029904	0.06034	0
GFL003 26+75E	DIRT	Niton	XL3t	7/2/2012	60	0		0		28.54	11.41	121	23.06	0		0		500	118.02	2.130865	0.049788	0
GFL003 27+00E	DIRT	Niton	XL3t	7/2/2012	60	0		0		15.59	10.01	117	22.75	0		0		418	111.99	2.525626	0.0537	0
GFL003 27+25E	DIRT	Niton	XL3t	7/2/2012	60	0		0		21.48	10.8	134	24.07	0		0		405	115.35	2.887237	0.058377	0
GFL003 27+50E	DIRT	Niton	XL3t	7/2/2012	60	0		48.81	27.11	19.19	10.46	80	19.89	0		0		594	125.43	2.393875	0.05275	0

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
GFL003 27+75E	DIRT	Niton	XL3t	7/2/2012	60	0		0		18.25	10.1	99	21.07	0		0		337	102.4	1.870569	0.046139	0
GFL003 28+00E	DIRT	Niton	XL3t	7/2/2012	60	0		0		30.68	11.75	153	25.36	0		0		263	102.3	2.916752	0.058614	0
GFL003 28+25E	DIRT	Niton	XL3t	7/2/2012	60	0		0		20.57	10.54	90	20.2	0		0		718	133.33	2.148321	0.049673	0
GFL003 28+50E	DIRT	Niton	XL3t	7/2/2012	60	0		0		24.87	10.8	120	22.64	0		0		265	97.86	2.234441	0.050366	0
GFL003 28+75E	DIRT	Niton	XL3t	7/2/2012	60	0		0		23.2	10.73	153	25.32	0		0		723	134.96	2.600993	0.054847	0
GFL003 29+00E	DIRT	Niton	XL3t	7/2/2012	60	0		0		34.78	11.73	108	21.54	0		0		274	100.71	2.764148	0.055736	0
GFL003 29+25E	DIRT	Niton	XL3t	7/2/2012	60	0		0		19.52	10.3	101	20.97	0		0		496	117.22	2.239758	0.050425	0
GFL003 29+50E	DIRT	Niton	XL3t	7/2/2012	60	0		0		0		119	22.25	0		211	132.61	541	118.07	2.168127	0.049354	0
GFL003 29+75E	DIRT	Niton	XL3t	7/2/2012	60	0		0		0		125	22.44	0		0		294	98.98	2.321593	0.050433	0
GFL003 30+00E	DIRT	Niton	XL3t	7/2/2012	60	0		0		0		108	22	0		0		480	116.37	2.334755	0.051749	0
GFL003 30+25E	DIRT	Niton	XL3t	7/2/2012	60	0		0		0		92	20.98	98	52.28	0		358	105.6	2.078602	0.048647	0
GFL003 30+50E	DIRT	Niton	XL3t	7/2/2012	60	0		0		25.48	10.79	114	22.17	0		0		432	110.44	2.261089	0.050182	0
GFL003 30+75E	DIRT	Niton	XL3t	7/2/2012	60	0		0		23.41	10.69	123	22.72	0		0		707	130.83	2.158389	0.049327	0
GFL003 31+00E	DIRT	Niton	XL3t	7/2/2012	60	0		0		21.77	10.76	104	21.54	0		0		1015	152.35	2.424059	0.052815	0
GFL003 31+25E	DIRT	Niton	XL3t	7/2/2012	60	0		0		24.41	10.91	125	23.16	0		0		300	105.63	2.862884	0.057105	0
GFL003 31+50E	DIRT	Niton	XL3t	7/2/2012	60	0		0		21.58	10.63	66	18.48	0		0		502	116.74	1.961308	0.047625	0
GFL004 00+50E	DIRT	Niton	XL3t	7/3/2012	60	0		251.14	41.94	16.1	10.28	170	27.86	0		0		803	151.63	4.148138	0.071665	0
GFL004 00+75E	DIRT	Niton	XL3t	7/3/2012	60	0		277.68	44.44	22.19	11.02	160	28.01	0		0		1466	193.77	4.724494	0.077972	0
GFL004 01+00E	DIRT	Niton	XL3t	7/3/2012	60	0		84.08	30.78	28.44	11.54	117	23.79	0		0		1262	174.03	3.641111	0.066304	0
GFL004 01+25E	DIRT	Niton	XL3t	7/3/2012	60	0		64.69	30.41	27.73	11.73	110	23.52	0		0		810	155.81	4.873302	0.078469	0
GFL004 01+50E	DIRT	Niton	XL3t	7/3/2012	60	0		41.65	27.11	41.67	12.77	108	22.48	0		0		494	124.95	3.415098	0.063959	0
GFL004 01+75E	DIRT	Niton	XL3t	7/3/2012	60	0		67.4	29.14	28.48	11.38	144	25.1	0		0		469	120.7	3.302641	0.062471	0
GFL004 02+00E	DIRT	Niton	XL3t	7/3/2012	60	0		0		36.85	12.32	181	27.5	0		0		622	132.79	3.467438	0.063974	0
GFL004 02+25E	DIRT	Niton	XL3t	7/3/2012	60	0		0		20.51	10.43	98	21.79	0		0		290	103.9	2.810469	0.057052	0
GFL004 02+50E	DIRT	Niton	XL3t	7/3/2012	60	0		50.47	27.65	26.59	11.37	186	27.75	0		0		404	114.52	2.612987	0.05557	0
GFL004 02+75E	DIRT	Niton	XL3t	7/3/2012	60	0		0		32.28	11.51	169	26.51	0		0		487	118.02	2.553907	0.054398	0
GFL004 03+00E	DIRT	Niton	XL3t	7/3/2012	60	0		44.77	26.62	14.82	9.83	120	22.69	0		0		432	113.74	2.511266	0.053719	0
GFL004 03+25E	DIRT	Niton	XL3t	7/3/2012	60	0		0		14.95	9.88	100	21.59	0		0		513	120.2	2.506321	0.053686	0
GFL004 03+50E	DIRT	Niton	XL3t	7/3/2012	60	0		0		18.43	10.26	203	28.4	0		0		383	111.55	2.726195	0.056275	0
GFL004 03+75E	DIRT	Niton	XL3t	7/3/2012	60	0		39.25	26.08	25.13	10.49	199	27.9	0		0		414	110.56	2.410492	0.05213	0
GFL004 04+00E	DIRT	Niton	XL3t	7/3/2012	60	0		0		15.46	10.08	235	30.21	0		0		732	134.8	2.29206	0.051693	0
GFL004 04+25E	DIRT	Niton	XL3t	7/3/2012	60	0		0		21.82	10.3	226	29.63	0		224.17	140.87	421	111.8	2.428534	0.052565	0
GFL004 04+50E	DIRT	Niton	XL3t	7/3/2012	60	0		0		16.69	9.98	151	24.98	0		0		494	117.58	2.24634	0.050845	0
GFL004 04+75E	DIRT	Niton	XL3t	7/3/2012	60	0		52.26	27.68	22.19	10.75	165	26.4	0		0		318	105	2.62545	0.055315	0
GFL004 05+00E	DIRT	Niton	XL3t	7/3/2012	60	0		0		38.22	12.2	189	27.84	0		0		674	133	2.559644	0.055019	0
GFL004 05+25E	DIRT	Niton	XL3t	7/3/2012	60	0		0		19.38	10.38	180	27.09	0		0		338	106.57	2.546432	0.054285	0
GFL004 05+50E	DIRT	Niton	XL3t	7/3/2012	60	0		0		0		98	21.09	0		0		365	107.97	2.316806	0.051313	0
GFL004 05+75E	DIRT	Niton	XL3t	7/3/2012	60	0		44.14	26.31	0		121	22.91	0		0		258	97.37	2.347411	0.051547	0
GFL004 06+00E	DIRT	Niton	XL3t	7/3/2012	60	0		46.43	26.34	21.92	10.44	143	24.23	0		0		680	129.7	2.23281	0.050236	0
GFL004 06+25E	DIRT	Niton	XL3t	7/3/2012	60	0		0		0		148	24.32	0		0		529	119.58	2.391821	0.051961	0
GFL004 06+50E	DIRT	Niton	XL3t	7/3/2012	60	0		0		25.95	10.8	132	23.61	0		0		391	108.43	2.412867	0.051977	0
GFL004 06+75E	DIRT	Niton	XL3t	7/3/2012	60	0		0		16.62	9.93	89	19.9	0		0		358	104.88	2.312905	0.050387	0
GFL004 07+00E	DIRT	Niton	XL3t	7/3/2012	60	0		0		16.55	9.49	124	22.39	0		0		475	112.76	2.140063	0.048508	0
GFL005 00+00	DIRT	Niton	XL3t	7/4/2012	60	0		42.8	26.29	21.57	10.48	105	21.68	0		0		1154	159.7	2.824487	0.056561	0
GFL005 00+25E	DIRT	Niton	XL3t	7/4/2012	60	0		0		15.75	10.03	124	22.92	0		0		992	152.36	2.872026	0.057412	13.46

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
GFL005 00+50E	DIRT	Niton	XL3t	7/4/2012	60	0		0		22.46	10.81	90	20.91	0		0		398	113.33	2.986498	0.058896	0
GFL005 00+75E	DIRT	Niton	XL3t	7/4/2012	60	0		0		28.06	11.49	116	23	0		0		412	115.82	3.041287	0.059896	0
GFL005 01+00E	DIRT	Niton	XL3t	7/4/2012	60	0		0		19.81	11.06	145	25.66	0		0		559	134.2	3.717682	0.067866	0
GFL005 01+25E	DIRT	Niton	XL3t	7/4/2012	60	0		0		17.49	10.32	104	22.28	0		0		519	123.99	3.112667	0.06052	0
GFL005 01+50E	DIRT	Niton	XL3t	7/4/2012	60	0		0		22.04	10.57	110	22.2	0		0		1075	158.95	3.177278	0.06042	0
GFL005 01+75E	DIRT	Niton	XL3t	7/4/2012	60	0		46.35	29.11	48.69	13.79	617	49.13	0		0		3041	259.29	4.197623	0.072942	0
GFL005 02+00E	DIRT	Niton	XL3t	7/4/2012	60	0		0		27.86	11.48	161	25.88	0		0		445	118.35	2.974378	0.059105	0
GFL005 02+25E	DIRT	Niton	XL3t	7/4/2012	60	0		0		23.1	10.74	156	25.42	0		0		701	133.06	2.655256	0.055194	0
GFL005 02+50E	DIRT	Niton	XL3t	7/4/2012	60	0		0		31.98	11.57	165	26.23	0		0		511	124.02	3.149954	0.060954	0
GFL005 02+75E	DIRT	Niton	XL3t	7/4/2012	60	0		0		47.56	13.02	146	24.71	0		0		599	129.7	3.273944	0.061709	0
GFL005 03+00E	DIRT	Niton	XL3t	7/4/2012	60	0		0		35.9	12.07	109	21.95	0		0		457	117.36	2.99332	0.05853	0
GFL005 03+25E	DIRT	Niton	XL3t	7/4/2012	60	0		0		45.04	12.95	176	26.76	0		0		741	139.38	2.936446	0.058704	0
GFL005 03+50E	DIRT	Niton	XL3t	7/4/2012	60	0		95.38	33.39	36.98	12.89	298	35.57	119.37	61.77	0		740	150.35	4.379002	0.074865	26.7
GFL005 03+75E	DIRT	Niton	XL3t	7/4/2012	60	0		42.85	26.81	33.96	11.89	228	30.07	0		0		592	129.39	3.242174	0.061519	36.46
GFL005 04+00E	DIRT	Niton	XL3t	7/4/2012	60	0		0		26.81	11.25	124	23.43	0		0		640	131.06	2.824364	0.057513	0
GFL005 04+25E	DIRT	Niton	XL3t	7/4/2012	60	0		0		43.54	12.7	268	32.01	0		0		980	154.37	3.231011	0.06152	16.26
GFL005 04+50E	DIRT	Niton	XL3t	7/4/2012	60	0		0		26.46	10.91	168	25.84	0		0		787	139.04	2.958911	0.057642	0
GFL005 04+75E	DIRT	Niton	XL3t	7/4/2012	60	0		0		29.83	11.38	133	24.02	0		0		803	141.65	2.840275	0.057268	0
GFL005 05+00E	DIRT	Niton	XL3t	7/4/2012	60	0		0		30.62	11.72	153	25.04	0		0		887	148.68	2.871289	0.057954	0
GFL005 05+25E	DIRT	Niton	XL3t	7/4/2012	60	0		0		27.75	11.14	120	22.54	0		0		373	106.4	2.416933	0.052036	0
GFL005 05+50E	DIRT	Niton	XL3t	7/4/2012	60	0		0		38.96	12.1	113	22.55	0		0		491	117.02	2.396992	0.052031	0
GFL005 05+75E	DIRT	Niton	XL3t	7/4/2012	60	0		0		59.59	14.09	168	26.26	0		0		405	113.84	2.784332	0.056747	0
GFL005 06+00E	DIRT	Niton	XL3t	7/4/2012	60	0		0		32.49	11.65	208	28.74	0		0		894	144.99	2.48296	0.053365	0
GFL005 06+25E	DIRT	Niton	XL3t	7/4/2012	60	0		0		30.4	11.23	228	29.11	0		0		1067	152.89	2.683877	0.054594	14.87
GFL005 06+50E	DIRT	Niton	XL3t	7/4/2012	60	0		53.43	27.24	66.96	14.44	243	30.37	0		0		950	150.28	2.922421	0.057772	0
GFL005 06+75E	DIRT	Niton	XL3t	7/4/2012	60	0		0		37.37	12.24	235	30.45	0		0		759	138.99	2.80594	0.057036	0
GFL005 07+00E	DIRT	Niton	XL3t	7/4/2012	60	0		0		65	14.5	193	27.66	0		0		577	126.15	2.854674	0.05732	0
GFL005 07+25E	DIRT	Niton	XL3t	7/4/2012	60	0		0		63.29	14.49	289	33.45	0		0		585	129.64	3.253373	0.061821	0
GFL005 07+50E	DIRT	Niton	XL3t	7/4/2012	60	0		0		49.22	13.29	292	33.26	0		0		891	146.86	3.045993	0.059466	0
GFL005 07+75E	DIRT	Niton	XL3t	7/4/2012	60	0		0		122.03	18.52	345	36.24	0		0		2101	210.21	3.067705	0.06026	0
GFL005 08+00E	DIRT	Niton	XL3t	7/4/2012	60	0		0		65.55	14.6	278	32.9	0		0		930	150.95	3.167573	0.060863	0
GFL005 08+25E	DIRT	Niton	XL3t	7/4/2012	60	0		0		53.54	13.41	213	28.66	0		0		1181	161.92	2.850065	0.057039	0
GFL005 08+50E	DIRT	Niton	XL3t	7/4/2012	60	0		53.78	27.86	71.19	15.04	341	35.86	0		0		1858	199.05	3.041715	0.059725	0
GFL005 08+75E	DIRT	Niton	XL3t	7/4/2012	60	0		0		59.36	14.13	212	29.5	0		0		1662	190.46	2.757608	0.057219	0
GFL005 09+00E	DIRT	Niton	XL3t	7/4/2012	60	0		0		37.41	12.09	215	28.87	0		0		1111	158.32	2.541154	0.054115	0
GFL005 09+25E	DIRT	Niton	XL3t	7/4/2012	60	0		0		22.59	10.83	141	24.05	0		0		369	107.1	2.145267	0.049307	0
GFL005 09+50E	DIRT	Niton	XL3t	7/4/2012	60	0		0		19.38	10.25	143	24.53	0		0		492	117.15	2.37837	0.051957	0
GFL005 09+75E	DIRT	Niton	XL3t	7/4/2012	60	0		0		26.94	11.03	157	25.39	0		0		664	129.15	2.368966	0.051904	0
GFL005 10+00E	DIRT	Niton	XL3t	7/4/2012	60	0		0		66.49	14.67	193	27.83	0		0		416	115.41	2.921106	0.058424	0
GFL005 10+25E	DIRT	Niton	XL3t	7/4/2012	60	0		0		30.06	11.37	139	24.04	0		0		774	136.98	2.588951	0.054228	0
GFL005 10+50E	DIRT	Niton	XL3t	7/4/2012	60	0		0		24.17	10.79	184	26.77	0		0		994	148.91	2.349889	0.051726	0
GFL005 10+75E	DIRT	Niton	XL3t	7/4/2012	60	0		0		35.52	11.96	130	23.39	0		0		754	137.21	2.629011	0.055045	0
GFL005 11+00E	DIRT	Niton	XL3t	7/4/2012	60	0		0		46.58	13.15	130	23.9	0		0		874	146.71	2.782074	0.057234	0
GFL005 11+25E	DIRT	Niton	XL3t	7/4/2012	60	0		0		29.13	11.32	111	22.09	0		0		690	132.7	2.298071	0.051617	0
GFL005 11+50E	DIRT	Niton	XL3t	7/4/2012	60	0		0		20.04	10.51	116	22.82	0		0		442	116.18	2.719681	0.056325	0

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
GFL005 11+75E	DIRT	Niton	XL3t	7/4/2012	60	0		0		23.65	10.85	134	23.54	0		0		351	106.93	2.457747	0.053004	0
GFL005 12+00E	DIRT	Niton	XL3t	7/4/2012	60	0		0		22.53	10.64	103	21.63	0		0		290	102.52	2.417647	0.052765	0
GFL005 12+25E	DIRT	Niton	XL3t	7/4/2012	60	0		0		40.89	12.39	146	24.72	0		0		526	121.18	2.528364	0.053784	0
GFL005 12+50E	DIRT	Niton	XL3t	7/4/2012	60	0		0		46.58	13.12	127	23.76	0		0		694	136.6	2.841872	0.057872	0
GFL005 12+75E	DIRT	Niton	XL3t	7/4/2012	60	0		0		23.25	10.72	85	19.73	0		0		263	99	2.48069	0.052863	0
GFL005 13+00E	DIRT	Niton	XL3t	7/4/2012	60	0		0		15.22	9.99	134	23.76	0		0		412	110.37	2.23547	0.05036	0
GFL005 13+25E	DIRT	Niton	XL3t	7/4/2012	60	0		0		41.04	12.55	69	19.21	0		0		1099	159.74	2.447425	0.053554	0
GFL005 13+50E	DIRT	Niton	XL3t	7/4/2012	60	0		0		31.13	11.43	208	28.4	0		0		903	144.81	2.519812	0.053502	0
GFL005 13+75E	DIRT	Niton	XL3t	7/4/2012	60	0		0		48.24	13.14	222	29.85	0		0		576	125.92	2.513751	0.054202	0
GFL005 14+00E	DIRT	Niton	XL3t	7/4/2012	60	0		0		35.96	12.09	383	37.79	0		0		1351	172.9	2.435953	0.053539	0
GFL005 14+25E	DIRT	Niton	XL3t	7/4/2012	60	0		0		37.39	12.08	518	42.74	0		0		732	133.25	2.428895	0.052415	0
GFL005 14+50E	DIRT	Niton	XL3t	7/4/2012	60	0		0		27.33	10.94	304	33.19	0		0		720	131.87	2.056551	0.048016	0
GFL005 14+75E	DIRT	Niton	XL3t	7/4/2012	60	0		0		0		180	26.99	0		0		909	146.05	2.137584	0.049931	13.26
GFL005 15+00E	DIRT	Niton	XL3t	7/4/2012	60	0		0		24.65	10.68	119	23.04	0		0		666	127.84	2.05174	0.048207	0
GFL005 15+25E	DIRT	Niton	XL3t	7/5/2012	60	0		0		16.14	9.83	228	29.5	0		0		769	136.35	2.154495	0.049432	0
GFL005 15+50E	DIRT	Niton	XL3t	7/5/2012	60	0		0		23.73	10.88	123	23	0		0		801	139.64	2.346233	0.052058	0
GFL005 15+75E	DIRT	Niton	XL3t	7/5/2012	60	0		0		25.63	11.1	139	24.37	0		0		309	104.64	2.416781	0.052692	0
GFL005 16+00E	DIRT	Niton	XL3t	7/5/2012	60	0		0		0		215	30.2	0		0		1772	197.99	2.512844	0.055592	0
GFL005 16+25E	DIRT	Niton	XL3t	7/5/2012	60	0		0		29.49	11.37	157	25.53	88.36	53.09	0		632	129.1	2.43803	0.053147	0
GFL005 16+50E	DIRT	Niton	XL3t	7/5/2012	60	0		0		15.84	10.04	160	25.96	0		0		947	151.24	2.505543	0.054199	0
GFL005 16+75E	DIRT	Niton	XL3t	7/5/2012	60	0		0		20.2	10.46	201	28.47	0		0		768	139.17	2.61143	0.055375	0
GFL005 17+00E	DIRT	Niton	XL3t	7/5/2012	60	0		0		28.15	11.6	206	29.14	0		0		816	146.02	2.91955	0.059496	0
GFL005 17+25E	DIRT	Niton	XL3t	7/5/2012	60	0		0		21.1	10.68	167	26.23	0		0		724	137.47	2.958405	0.058903	0
GFL005 17+50E	DIRT	Niton	XL3t	7/5/2012	60	0		0		18.75	10.29	155	25.93	0		0		1956	203.43	2.667529	0.056402	0
GFL005 17+75E	DIRT	Niton	XL3t	7/5/2012	60	0		0		17.44	10.07	216	28.94	0		0		876	142.81	2.194462	0.050006	0
GFL005 18+00E	DIRT	Niton	XL3t	7/5/2012	60	0		0		24.25	10.7	104	21.21	0		0		615	121.78	1.792576	0.044649	0
GFL005 18+25E	DIRT	Niton	XL3t	7/5/2012	60	0		0		0		175	26.78	0		0		666	131.51	2.182279	0.050613	0
GFL005 18+50E	DIRT	Niton	XL3t	7/5/2012	60	0		0		24.1	10.83	136	24.19	0		0		567	124.47	2.463684	0.053227	0
GFL005 18+75E	DIRT	Niton	XL3t	7/5/2012	60	0		0		22.18	10.68	150	24.89	0		0		613	128.21	2.666431	0.055567	0
GFL005 19+00E	DIRT	Niton	XL3t	7/5/2012	60	0		0		23.84	10.77	125	23.33	0		0		571	123.3	2.31132	0.051493	0
GFL005 19+25E	DIRT	Niton	XL3t	7/5/2012	46	0		0		16.66	10.15	113	22.31	0		0		360	110.34	2.603296	0.055077	0
GFL005 19+50E	DIRT	Niton	XL3t	7/5/2012	60	0		43.69	27.18	25.92	11.16	240	30.88	0		0		395	115.94	3.429262	0.063273	0
GFL005 19+75E	DIRT	Niton	XL3t	7/5/2012	60	0		0		0		64	18.26	0		0		403	107.8	2.038305	0.047744	0
GFL005 20+25E	DIRT	Niton	XL3t	7/5/2012	60	0		64.66	29.52	47.86	13.5	114	23.12	0		0		491	126.72	3.879575	0.068482	0
GFL005 20+50E	DIRT	Niton	XL3t	7/5/2012	60	0		0		0		64	17.75	0		0		333	103.15	1.945391	0.04672	0
GFL005 20+75E	DIRT	Niton	XL3t	7/5/2012	60	0		0		15.84	9.91	110	21.73	0		0		685	129.74	2.373075	0.051596	0
GFL005 21+00E	DIRT	Niton	XL3t	7/5/2012	60	0		0		22.9	10.59	98	21.08	0		0		596	126.5	2.35305	0.051748	0
GFL005 21+25E	DIRT	Niton	XL3t	7/5/2012	60	0		51.54	26.73	22.28	10.33	125	22.91	0		0		448	113.98	2.373381	0.051543	0
GFL005 21+50E	DIRT	Niton	XL3t	7/5/2012	60	0		0		19.52	10.3	220	29.03	0		0		1095	154.59	2.035029	0.047922	0
GFL005 21+75E	DIRT	Niton	XL3t	7/5/2012	60	0		0		27.52	11.05	234	29.94	0		0		524	120.97	2.576511	0.054197	0
GFL005 22+00E	DIRT	Niton	XL3t	7/5/2012	60	0		0		19.41	10.26	264	31.61	0		0		1361	171.1	2.697972	0.055462	0
GFL005 22+25E	DIRT	Niton	XL3t	7/5/2012	60	0		0		24.89	10.83	147	24.54	0		0		649	128.44	2.545492	0.053447	0
GFL005 22+50E	DIRT	Niton	XL3t	7/5/2012	60	0		0		24.23	10.83	165	25.97	0		0		1529	179.65	2.621031	0.054701	0
GFL005 22+75E	DIRT	Niton	XL3t	7/5/2012	60	0		0		22.98	10.75	176	26.98	100.72	54.64	0		1364	174.67	2.951895	0.058999	0
GFL005 23+00E	DIRT	Niton	XL3t	7/5/2012	60	0		0		15.75	10.05	162	25.73	0		0		1042	154.25	2.439402	0.052922	0

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
GFL005 23+25E	DIRT	Niton	XL3t	7/5/2012	60	0		0		17.85	10.09	126	22.77	77.32	51.03	0		683	128.13	2.415791	0.051818	0
GFL005 23+50E	DIRT	Niton	XL3t	7/5/2012	60	0		0		28.58	11.24	177	26.74	0		0		836	142.48	2.714189	0.055609	0
GFL005 23+75E	DIRT	Niton	XL3t	7/5/2012	60	0		0		17.61	10.08	127	23.75	0		0		808	141.26	2.432545	0.053284	0
GFL005 24+00E	DIRT	Niton	XL3t	7/5/2012	60	0		0		22.24	10.5	166	25.98	0		0		514	120.91	2.585906	0.054441	0
GFL005 24+25E	DIRT	Niton	XL3t	7/5/2012	60	0		0		17.82	10.03	145	24.39	0		0		795	137.77	2.506343	0.052962	0
GFL005 24+50E	DIRT	Niton	XL3t	7/5/2012	60	0		0		0		109	21.35	0		0		225	93.15	2.160208	0.048451	0
GFL005 24+75E	DIRT	Niton	XL3t	7/5/2012	60	0		0		17.81	10.23	133	23.9	0		0		679	130.11	2.200324	0.050405	0
GFL005 25+00E	DIRT	Niton	XL3t	7/5/2012	60	9	5.74	0		0		76	19.7	0		0		690	132.06	2.271571	0.051176	0
GFL005 25+25E	DIRT	Niton	XL3t	7/5/2012	60	0		0		20.31	10.28	121	22.48	0		0		489	115.85	2.582091	0.053788	0
GFL005 25+50E	DIRT	Niton	XL3t	7/5/2012	60	0		0		20.55	10.43	49	16.84	0		0		305	100.99	2.25617	0.050631	0
GFL005 25+75E	DIRT	Niton	XL3t	7/5/2012	60	0		0		0		112	21.78	0		0		698	127.31	1.720976	0.043632	0
GFL005 26+00E	DIRT	Niton	XL3t	7/5/2012	60	0		0		14.84	9.85	98	20.58	0		0		572	120.85	2.238598	0.05003	0
GFL005 26+25E	DIRT	Niton	XL3t	7/5/2012	60	0		0		21.56	10.32	117	22.12	78.42	49.61	0		473	114.29	2.320876	0.050753	0
GFL005 26+50E	DIRT	Niton	XL3t	7/5/2012	60	0		0		0		97	20.73	0		0		561	124.07	2.776903	0.056346	0
GFL005 26+75E	DIRT	Niton	XL3t	7/5/2012	60	0		0		19.58	10.33	108	21.89	0		0		546	126.71	3.292773	0.061799	0
GFL005 27+00E	DIRT	Niton	XL3t	7/5/2012	60	0		0		0		72	18.55	0		0		617	122.26	2.037887	0.046895	0
GFL005 27+25E	DIRT	Niton	XL3t	7/5/2012	60	0		0		0		79	18.73	0		0		397	104.75	1.853216	0.044755	0
GFL005 27+50E	DIRT	Niton	XL3t	7/5/2012	60	0		0		24.22	10.68	190	27.1	0		0		325	104.61	2.410606	0.051933	0
GFL005 27+75E	DIRT	Niton	XL3t	7/5/2012	60	0		0		22.26	10.5	193	27.88	0		0		1312	170.03	2.251411	0.051442	0
GFL005 28+00E	DIRT	Niton	XL3t	7/5/2012	60	0		48.63	26.96	20.85	10.58	98	21.24	0		0		834	142.49	2.647706	0.055157	0
GFL005 28+25E	DIRT	Niton	XL3t	7/5/2012	60	0		60.54	28.16	0		128	23.54	0		0		819	142.03	2.736277	0.056337	0
GFL005 28+50E	DIRT	Niton	XL3t	7/5/2012	60	0		48.72	25.93	20.2	9.92	206	27.71	0		250	139.31	768	133.04	2.486187	0.051847	0
GFL005 28+75E	DIRT	Niton	XL3t	7/5/2012	60	0		0		27.33	10.88	198	27.5	0		0		777	137.59	2.76436	0.055644	0
GFL005 29+00E	DIRT	Niton	XL3t	7/5/2012	60	0		0		29.76	11.23	202	27.65	0		0		982	148.16	2.538419	0.053127	0
GFL005 29+25E	DIRT	Niton	XL3t	7/5/2012	60	0		0		22.29	10.61	223	29.35	0		0		968	149.39	2.64478	0.054976	0
GFL005 29+50E	DIRT	Niton	XL3t	7/5/2012	60	0		0		25.41	10.75	197	27.73	0		0		1629	183.53	2.472052	0.052942	0
GFL005 29+75E	DIRT	Niton	XL3t	7/5/2012	60	0		0		30.57	11.12	212	28.14	0		0		1240	162.32	2.796305	0.055635	0
GFL005 30+00E	DIRT	Niton	XL3t	7/5/2012	60	0		0		30.26	11.02	230	28.92	0		0		821	138.09	2.705135	0.054221	0
GFL005 30+25E	DIRT	Niton	XL3t	7/6/2012	60	0		0		26	11.05	157	25.66	0		0		577	126.21	2.78191	0.056904	0
GFL005 30+75E	DIRT	Niton	XL3t	7/6/2012	60	0		144.42	35.18	0		176	27.64	0		0		593	132.14	3.220828	0.062845	0
GFL005 31+00E	DIRT	Niton	XL3t	7/6/2012	60	0		0		23.36	10.88	190	28.25	0		0		537	123.06	2.232968	0.051586	0
GFL005 31+25E	DIRT	Niton	XL3t	7/6/2012	60	0		0		23.77	10.74	136	23.72	0		0		680	129.74	2.203307	0.050198	0
GFL005 31+50E	DIRT	Niton	XL3t	7/6/2012	60	0		0		19.04	10.38	160	26.24	0		0		623	132.07	2.968372	0.059238	0
GFL005 31+75E	DIRT	Niton	XL3t	7/6/2012	60	0		0		18.9	10.74	130	25.46	0		0		873	157.61	4.096466	0.072063	0
GFL005 32+25E	DIRT	Niton	XL3t	7/6/2012	60	0		156.14	37.45	36.3	12.79	213	30.92	0		0		2680	252.94	5.710774	0.086359	0
GFL005 32+50E	DIRT	Niton	XL3t	7/6/2012	60	0		0		18.02	10.4	95	22.1	0		0		453	123.77	3.502184	0.065794	0
GFL005 32+75E	DIRT	Niton	XL3t	7/6/2012	60	0		0		0		90	21.42	0		0		515	125.77	3.127606	0.061518	0
GFL005 33+00E	DIRT	Niton	XL3t	7/6/2012	60	0		0		18.34	10.43	95	21.24	0		0		523	120.65	2.510674	0.053928	0
GFL005 33+25E	DIRT	Niton	XL3t	7/6/2012	60	0		0		0		126	23.68	0		0		524	120.34	2.183982	0.050485	0
GFL005 33+50E	DIRT	Niton	XL3t	7/6/2012	60	0		0		24.05	10.94	194	28.09	0		0		558	123.11	2.341585	0.052518	0
GFL005 33+75E	DIRT	Niton	XL3t	7/6/2012	60	0		0		16.04	9.79	141	24.29	0		0		462	115.11	2.396677	0.052301	0
GFL005 34+00E	DIRT	Niton	XL3t	7/6/2012	60	0		43.17	26.68	19.68	10.45	154	25.35	0		0		574	124.14	2.224903	0.050838	0
GFL005 34+25E	DIRT	Niton	XL3t	7/6/2012	60	0		0		17.21	10.05	153	25.09	0		0		405	111.52	2.313461	0.05159	0
GFL005 34+50E	DIRT	Niton	XL3t	7/6/2012	60	0		0		31.24	11.82	86	20.68	85.26	54.59	0		624	132.19	2.71407	0.057107	0
GFL005 34+75E	DIRT	Niton	XL3t	7/6/2012	60	0		0		18.14	10.55	125	23.62	0		0		505	122.55	2.726895	0.057003	0

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
GFL005 35+00E	DIRT	Niton	XL3t	7/6/2012	60	0		0		34.42	12.22	232	30.82	0		0		3446	266.68	3.341349	0.063846	0
GFL005 35+25E	DIRT	Niton	XL3t	7/6/2012	60	0		0		19.3	10.24	57	17.08	0		0		336	103.58	2.145974	0.049054	0
GFL005 35+50E	DIRT	Niton	XL3t	7/6/2012	60	0		0		217.94	23.18	145	24.91	0		0		1052	154.98	2.283536	0.05137	0
GFL005 35+75E	DIRT	Niton	XL3t	7/6/2012	60	0		0		18.16	10.13	113	21.87	0		0		343	105.42	2.165155	0.049427	0
GFL005 36+00E	DIRT	Niton	XL3t	7/6/2012	60	0		0		21.97	10.51	204	27.91	0		0		669	128.98	2.285657	0.0506	0
GFL005 36+25E	DIRT	Niton	XL3t	7/6/2012	60	0		0		25.27	10.97	181	27.37	0		0		540	124.14	2.686656	0.056087	0
GFL005 36+50E	DIRT	Niton	XL3t	7/6/2012	60	0		84.05	32.93	99.18	18.04	290	35.47	105.26	61.78	0		682	150.33	4.915577	0.079869	28.25
GFL005 36+75E	DIRT	Niton	XL3t	7/6/2012	60	0		0		86.42	16.48	247	31.73	0		0		583	131.81	3.181471	0.062325	0
GFL005 37+00E	DIRT	Niton	XL3t	7/6/2012	60	0		0		38.25	12.76	126	24.24	0		0		428	120.57	3.25114	0.063105	0
GFL006 00+00	DIRT	Niton	XL3t	7/6/2012	60	0		0		0		154	24.93	0		0		573	122.58	2.67009	0.054784	0
GFL006 00+25W	DIRT	Niton	XL3t	7/6/2012	60	0		0		0		150	25.05	0		0		699	132.76	2.309696	0.051512	0
GFL006 00+50E	DIRT	Niton	XL3t	7/6/2012	60	0		0		0		155	24.96	0		0		583	121.29	2.118749	0.048563	0
GFL006 00+75W	DIRT	Niton	XL3t	7/6/2012	60	0		0		18.77	10.05	198	27.9	0		0		562	121.85	2.381546	0.051944	0
GFL006 01+00W	DIRT	Niton	XL3t	7/6/2012	60	0		0		17.3	10.04	132	23.73	0		0		305	103.46	2.560123	0.053966	0
GFL006 01+25W	DIRT	Niton	XL3t	7/6/2012	60	0		0		21.28	10.47	174	26.75	0		0		772	137.75	2.366806	0.052274	0
GFL006 01+50W	DIRT	Niton	XL3t	7/6/2012	60	0		0		15.82	9.91	152	25.12	0		0		845	141.07	2.153565	0.049638	0
GFL006 01+75W	DIRT	Niton	XL3t	7/6/2012	60	0		0		20.52	10.55	119	23.13	0		0		379	108.32	2.061165	0.04908	0
GFL006 02+00W	DIRT	Niton	XL3t	7/6/2012	60	0		0		15.41	10.08	161	25.91	0		0		728	135.3	2.319893	0.05191	0
GFL006 02+25W	DIRT	Niton	XL3t	7/6/2012	60	0		0		0		190	27.37	0		0		985	148.34	1.831136	0.045934	0
GFL006 02+50W	DIRT	Niton	XL3t	7/6/2012	60	0		0		0		134	23.99	0		0		582	122.87	2.102476	0.049129	0
GFL006 02+75W	DIRT	Niton	XL3t	7/6/2012	60	0		0		15.84	9.95	170	26.47	0		0		816	139.93	2.270976	0.051218	0
GFL006 03+00W	DIRT	Niton	XL3t	7/6/2012	60	0		53.17	27.17	15.37	9.97	113	22.12	0		0		328	103.73	2.359019	0.051824	0
GFL006 03+25W	DIRT	Niton	XL3t	7/6/2012	60	0		0		17.5	9.94	127	23.35	0		0		322	103.44	2.242282	0.050636	0
GFL006 03+50W	DIRT	Niton	XL3t	7/6/2012	60	0		0		0		100	21.36	0		0		334	105.4	2.459994	0.052776	0
GFL006 03+75W	DIRT	Niton	XL3t	7/6/2012	60	0		0		0		100	22.01	0		0		380	112.32	2.561074	0.054923	0
GFL006 04+00W	DIRT	Niton	XL3t	7/6/2012	60	0		0		20.82	10.38	132	23.53	0		0		266	102.81	3.080848	0.059245	0
GFL006 04+25W	DIRT	Niton	XL3t	7/8/2012	60	0		40.73	26.91	0		154	25.51	0		0		447	118.14	2.903317	0.058481	12.01
GFL006 04+50W	DIRT	Niton	XL3t	7/8/2012	60	0		0		16.7	10.43	129	24.68	0		0		486	128.86	3.844643	0.069107	0
GFL006 04+75W	DIRT	Niton	XL3t	7/8/2012	60	0		0		15.74	10.15	124	23.86	0		248.41	149.8	329	108.29	2.606943	0.055835	0
GFL006 05+00W	DIRT	Niton	XL3t	7/8/2012	60	0		106.24	32.51	0		190	28.43	0		0		343	113.43	3.05278	0.060896	0
GFL006 05+25W	DIRT	Niton	XL3t	7/8/2012	60	0		54.11	29.49	0		145	26.04	0		0		684	140.94	3.365758	0.065077	0
GFL006 05+50W	DIRT	Niton	XL3t	7/8/2012	60	0		0		15.52	9.59	175	26.75	0		0		534	120.17	2.24359	0.050773	0
GFL006 05+75W	DIRT	Niton	XL3t	7/8/2012	60	0		0		0		81	20.69	0		0		299	107.34	2.811258	0.058987	0
GFL006 06+00W	DIRT	Niton	XL3t	7/8/2012	60	0		58.26	28.25	0		163	26.3	0		0		1444	175.83	2.134026	0.050068	0
GFL006 06+25W	DIRT	Niton	XL3t	7/8/2012	60	0		0		0		121	22.71	0		0		520	117.42	2.18446	0.049645	0
GFL006 06+50W	DIRT	Niton	XL3t	7/8/2012	60	0		0		0		148	25.17	0		0		553	124.56	2.498581	0.054228	0
GFL006 06+75W	DIRT	Niton	XL3t	7/8/2012	60	0		0		15.13	9.95	188	27.99	0		0		1679	190.33	2.406306	0.05355	0
GFL006 07+00W	DIRT	Niton	XL3t	7/8/2012	60	0		0		0		138	23.98	0		0		356	104.74	2.461094	0.052346	0
GFL006 07+25W	DIRT	Niton	XL3t	7/8/2012	60	0		0		0		108	22.3	0		0		311	105.7	2.536586	0.054674	0
GFL006 07+50W	DIRT	Niton	XL3t	7/8/2012	60	0		0		15.74	10.12	117	22.92	0		0		542	123.21	2.525413	0.054314	0
GFL006 07+75W	DIRT	Niton	XL3t	7/8/2012	60	0		0		16.63	9.98	136	23.73	0		0		533	122.07	2.792735	0.056477	0
GFL006 08+00W	DIRT	Niton	XL3t	7/8/2012	60	0		43.89	25.83	21.88	10.31	106	21.61	0		0		493	113.92	2.230835	0.049693	0
GFL006 08+25W	DIRT	Niton	XL3t	7/8/2012	60	0		0		0		54	16.64	73.39	47.83	0		207	89.64	1.937976	0.045982	0
GFL006 08+50W	DIRT	Niton	XL3t	7/8/2012	60	0		42.35	26.16	16.66	9.94	159	25.44	0		0		687	132.22	2.834067	0.056528	0
GFL006 08+75W	DIRT	Niton	XL3t	7/8/2012	60	0		0		0		168	25.38	0		0		851	139.08	2.192149	0.049113	0

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
GFL006 09+00W	DIRT	Niton	XL3t	7/8/2012	60	0		0		20.05	10.35	152	25.11	0		0		629	128.68	2.742827	0.055964	0
GFL006 09+25W	DIRT	Niton	XL3t	7/8/2012	60	0		0		17.83	10.08	164	25.74	0		0		461	116.28	2.755753	0.055688	0
GFL006 09+50W	DIRT	Niton	XL3t	7/8/2012	60	0		0		19.23	10.31	157	25.2	0		0		809	141.02	3.212404	0.060329	0
GFL006 09+75W	DIRT	Niton	XL3t	7/8/2012	60	0		39	25.42	17.64	9.92	123	22.68	0		0		493	115.9	2.430311	0.051875	0
GFL006 10+00W	DIRT	Niton	XL3t	7/8/2012	60	0		0		17.23	9.95	154	25.13	0		0		598	126.34	2.812743	0.056481	0
GFL006 10+25W	DIRT	Niton	XL3t	7/8/2012	60	0		0		17.09	9.97	167	25.64	0		0		842	140.56	2.516652	0.053038	0
GFL006 10+50W	DIRT	Niton	XL3t	7/8/2012	60	0		0		19.03	10.25	233	30.41	0		0		782	139.18	2.812633	0.056887	0
GFL006 10+75W	DIRT	Niton	XL3t	7/8/2012	60	0		0		21.81	10.6	178	26.9	0		0		720	133.24	2.314399	0.051551	0
GFL006 11+00W	DIRT	Niton	XL3t	7/8/2012	60	0		0		21.48	10.53	175	26.63	0		0		598	126.37	2.673281	0.055332	0
GFL006 11+25W	DIRT	Niton	XL3t	7/8/2012	60	0		0		23	10.74	157	25.5	0		0		862	144.03	2.572951	0.054328	0
GFL006 11+50W	DIRT	Niton	XL3t	7/8/2012	60	0		0		24.8	10.69	175	26.31	76.84	51.07	0		365	106.01	2.3779	0.051522	0
GFL006 11+75W	DIRT	Niton	XL3t	7/8/2012	60	0		0		15.03	9.57	89	19.99	0		0		339	103.01	2.191052	0.049376	0
GFL006 12+00W	DIRT	Niton	XL3t	7/9/2012	60	0		0		19.31	10.19	182	26.9	0		0		1268	164.64	2.150587	0.049414	0
GFL006 12+25W	DIRT	Niton	XL3t	7/9/2012	60	0		0		31.2	11.44	207	28.51	0		0		534	121.6	2.517061	0.053616	0
GFL006 12+50W	DIRT	Niton	XL3t	7/9/2012	60	0		0		0		134	23.9	0		0		450	113.79	2.215686	0.050208	0
GFL006 12+75W	DIRT	Niton	XL3t	7/9/2012	60	0		48.43	26.66	15.19	9.8	161	25.55	0		0		932	146.99	2.337405	0.051622	0
GFL006 13+00W	DIRT	Niton	XL3t	7/9/2012	60	0		0		17.32	10	132	23.57	0		0		669	127.97	2.252588	0.050026	0
GFL006 13+25W	DIRT	Niton	XL3t	7/9/2012	60	0		0		16.38	9.99	158	25.08	0		0		895	142.59	2.155215	0.049383	0
GFL006 13+50W	DIRT	Niton	XL3t	7/9/2012	60	0		0		18.22	10.2	181	26.42	0		0		717	130.85	2.089722	0.048543	0
GFL006 13+75W	DIRT	Niton	XL3t	7/9/2012	60	0		0		16.21	10.17	166	25.98	0		0		827	141.2	2.154438	0.050012	0
GFL006 14+00W	DIRT	Niton	XL3t	7/9/2012	60	0		0		15.19	9.72	133	23.85	0		0		617	125.95	2.279686	0.051022	0
GFL006 14+25W	DIRT	Niton	XL3t	7/9/2012	60	0		0		0		88	20.17	0		0		460	113.33	2.142522	0.049065	0
GFL006 14+50W	DIRT	Niton	XL3t	7/9/2012	60	0		0		15.11	9.77	108	21.9	0		0		365	105.43	2.35596	0.051144	0
GFL006 14+75W	DIRT	Niton	XL3t	7/9/2012	60	0		0		0		80	19.52	0		0		461	112.71	2.045947	0.047901	0
GFL006 15+00W	DIRT	Niton	XL3t	7/9/2012	60	0		0		0		58	17.81	0		0		376	103.6	1.655044	0.042773	0
GFL006 15+25W	DIRT	Niton	XL3t	7/9/2012	60	0		0		0		122	22.46	0		0		537	118.93	2.357291	0.051192	0
GFL006 15+50W	DIRT	Niton	XL3t	7/9/2012	60	0		0		22.37	10.85	76	19.52	0		0		558	121.48	2.155646	0.049339	0
GFL006 15+75W	DIRT	Niton	XL3t	7/9/2012	60	0		0		17.92	10.06	140	24.06	0		0		448	112.87	2.480931	0.052783	0
GFL006 16+00W	DIRT	Niton	XL3t	7/9/2012	60	0		0		22.27	10.46	134	23.72	0		0		401	111.5	2.589324	0.054138	0
GFL006 16+75W	DIRT	Niton	XL3t	7/9/2012	60	0		84.22	30.58	38.89	12.68	112	22.67	0		0		307	112.49	3.830526	0.067374	0
GFL006 17+00W	DIRT	Niton	XL3t	7/9/2012	60	0		0		23.89	10.49	127	23.22	0		0		570	121.58	2.474497	0.052581	0
GFL006 17+25W	DIRT	Niton	XL3t	7/9/2012	60	0		0		30.33	11.51	178	26.75	86.78	53.01	0		475	120	3.065544	0.05953	0
GFL006 17+50W	DIRT	Niton	XL3t	7/9/2012	60	0		49.05	27.78	33.87	12.03	114	22.86	0		0		557	128.05	3.179841	0.061317	0
GFL006 17+75W	DIRT	Niton	XL3t	7/9/2012	60	0		0		15.4	10.07	95	20.56	0		0		410	108.79	1.982635	0.047306	0
GFL006 18+00W	DIRT	Niton	XL3t	7/9/2012	60	0		0		16.01	9.87	135	23.7	0		0		346	106.48	2.577306	0.05372	0
GFL006 18+25W	DIRT	Niton	XL3t	7/9/2012	60	0		48.14	26.74	20.8	10.41	176	26.53	0		0		560	122.63	2.742231	0.055636	0
GFL006 18+50W	DIRT	Niton	XL3t	7/9/2012	60	0		0		18.67	9.98	175	26.2	0		0		928	144.19	2.155545	0.049125	0
GFL006 18+75W	DIRT	Niton	XL3t	7/9/2012	60	0		0		15.21	9.67	106	21	0		0		536	114.75	1.734612	0.043664	0
GFL006 19+00W	DIRT	Niton	XL3t	7/9/2012	60	0		0		0		123	22.85	0		0		364	106.53	2.425642	0.051838	0
GFL006 19+25W	DIRT	Niton	XL3t	7/9/2012	60	0		0		28.42	11.05	70	18.6	0		0		255	94.83	1.947411	0.046311	0
GFL006 19+50W	DIRT	Niton	XL3t	7/9/2012	60	0		0		24.03	10.79	162	25.54	0		0		1228	163.11	2.295075	0.05108	0
GFL006 19+75W	DIRT	Niton	XL3t	7/9/2012	60	0		0		15.35	9.82	201	27.77	0		0		906	144.48	2.260768	0.05065	0
GFL006 20+00W	DIRT	Niton	XL3t	7/9/2012	60	0		0		0		140	23.68	0		0		259	95.99	2.107776	0.048397	0
GFL006 20+25W	DIRT	Niton	XL3t	7/9/2012	60	0		0		0		180	26.44	0		0		307	103.23	2.724484	0.05509	0
GFL006 20+50W	DIRT	Niton	XL3t	7/9/2012	60	0		0		20.25	10.42	158	24.63	0		0		202	87.65	1.908881	0.045648	0

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
GFL006 20+75W	DIRT	Niton	XL3t	7/9/2012	60	0		0		23.07	10.52	111	21.7	0		0		301	99.9	2.105153	0.048326	0
GFL006 21+00W	DIRT	Niton	XL3t	7/9/2012	60	0		0		26.47	10.78	172	25.82	0		0		492	112.93	1.842273	0.045165	0
GFL006 21+25W	DIRT	Niton	XL3t	7/9/2012	60	0		0		15.94	9.75	65	17.77	0		0		152	81.98	1.611701	0.041911	0
GFL006 21+50W	DIRT	Niton	XL3t	7/9/2012	60	0		0		31.15	11.61	194	27.72	0		0		528	121.04	2.581717	0.054255	0
GFL006 21+75W	DIRT	Niton	XL3t	7/9/2012	60	0		0		0		42	14.95	0		0		188	82.05	1.368756	0.03763	0
GFL006 22+00W	DIRT	Niton	XL3t	7/9/2012	60	0		0		25.17	10.64	162	25.09	0		0		381	106.13	2.205289	0.049194	0
GFL006 22+25W	DIRT	Niton	XL3t	7/10/2012	60	0		0		24.99	10.63	121	22.61	0		0		556	118.76	1.979948	0.046812	0
GFL006 22+50W	DIRT	Niton	XL3t	7/10/2012	60	0		0		20.78	10.56	100	21.35	0		0		216	92.32	1.91958	0.046453	0
GFL006 22+75W	DIRT	Niton	XL3t	7/10/2012	60	0		0		24.39	10.52	82	19.56	0		0		351	101.67	1.818665	0.045059	0
GFL006 23+00W	DIRT	Niton	XL3t	7/10/2012	60	0		0		26.44	10.79	115	22.24	0		0		317	100.18	1.985537	0.046894	0
GFL006 23+25W	DIRT	Niton	XL3t	7/10/2012	60	0		0		30.35	11.34	182	26.82	0		0		704	130.54	2.205655	0.049914	0
GFL006 23+50W	DIRT	Niton	XL3t	7/10/2012	60	0		0		40.3	12.64	197	28.54	0		0		524	126.82	3.347723	0.063016	0
GFL006 23+75W	DIRT	Niton	XL3t	7/10/2012	60	0		0		52.36	13.34	345	35.57	0		0		440	114.43	2.650782	0.055033	0
GFL006 24+00W	DIRT	Niton	XL3t	7/10/2012	60	0		0		69.83	15.01	469	41.79	0		0		1221	167.92	2.849491	0.058128	0
GFL006 24+25W	DIRT	Niton	XL3t	7/10/2012	60	0		0		56.32	13.56	336	35.1	0		0		641	128.61	2.455374	0.052702	0
GFL006 24+50W	DIRT	Niton	XL3t	7/10/2012	60	0		0		34.09	11.69	268	31.96	0		0		324	105.43	2.663565	0.055017	0
GFL006 24+75W	DIRT	Niton	XL3t	7/10/2012	60	0		0		32.07	11.56	220	28.77	0		0		969	149.24	2.525925	0.053493	0
GFL006 25+00W	DIRT	Niton	XL3t	7/10/2012	60	0		0		34.81	11.92	120	22.83	0		0		490	116.26	2.115384	0.04926	0
GFL006 25+25W	DIRT	Niton	XL3t	7/10/2012	60	0		0		49.74	13.35	232	30.56	0		0		993	154.55	2.554757	0.055351	0
GFL006 25+50W	DIRT	Niton	XL3t	7/10/2012	60	0		0		18.08	10.17	76	18.77	0		0		291	97.75	1.812136	0.044716	0
GFL006 25+75W	DIRT	Niton	XL3t	7/10/2012	60	0		0		57.98	13.93	120	23.17	0		0		731	137.48	2.402107	0.053211	0
GFL006 26+50W	DIRT	Niton	XL3t	7/10/2012	60	0		0		29.96	11.42	180	27.54	0		0		655	134.78	3.142444	0.06099	0
GFL006 26+75W	DIRT	Niton	XL3t	7/10/2012	60	0		58.42	29.14	44.43	13.14	260	32.56	0		0		987	159.92	3.634266	0.066531	0
GFL006 27+00W	DIRT	Niton	XL3t	7/10/2012	60	0		0		34.11	11.68	235	29.99	0		0		880	144.29	2.479607	0.053221	0
GFL006 27+25W	DIRT	Niton	XL3t	7/10/2012	60	0		0		18.73	10.33	180	26.6	0		0		959	147.13	2.172473	0.049748	0
GFL006 27+50W	DIRT	Niton	XL3t	7/10/2012	60	0		0		31.28	11.5	136	23.58	0		0		1238	162.42	2.15634	0.049314	0
GFL006 27+75W	DIRT	Niton	XL3t	7/10/2012	60	0		0		26.78	11.01	140	23.77	0		0		653	125.49	2.110903	0.048546	0
GFL006 28+00W	DIRT	Niton	XL3t	7/10/2012	60	0		40.93	26.12	25.83	11.09	123	23.12	0		0		488	116.49	2.331099	0.051405	0
GFL006 28+25W	DIRT	Niton	XL3t	7/10/2012	60	0		0		26.67	11.24	199	28.2	0		0		1242	165.68	2.39572	0.052671	0
GFL006 28+50W	DIRT	Niton	XL3t	7/10/2012	60	0		0		39.53	12.22	148	24.84	0		0		717	133.92	2.617814	0.054701	0
GFL006 28+75W	DIRT	Niton	XL3t	7/10/2012	60	0		0		56.5	13.65	146	25	0		0		748	139.11	3.057031	0.059861	0
GFL006 29+00W	DIRT	Niton	XL3t	7/10/2012	60	0		0		29.55	11.51	106	22.21	0		0		552	125.75	2.990237	0.058722	0
GFL006 29+25W	DIRT	Niton	XL3t	7/10/2012	60	0		0		31.28	11.52	88	20.69	0		0		642	131.41	2.883731	0.057852	0
GFL006 29+50W	DIRT	Niton	XL3t	7/10/2012	60	0		0		30.9	11.34	85	19.7	0		0		715	133.44	2.699599	0.055143	0
GFL006 29+75W	DIRT	Niton	XL3t	7/10/2012	60	0		0		31.17	11.55	166	25.71	0		0		883	145.18	2.748157	0.056012	0
GFL006 30+00W	DIRT	Niton	XL3t	7/10/2012	60	0		0		36.32	12.07	95	20.96	0		0		774	138.91	2.840126	0.057005	0
GFL006 30+25W	DIRT	Niton	XL3t	7/10/2012	60	0		0		39.52	12.2	111	22.48	0		0		694	135.29	3.002217	0.059129	0
GFL006 30+50W	DIRT	Niton	XL3t	7/10/2012	60	0		0		28.11	11.28	106	21.8	0		0		1325	170.8	2.799509	0.056532	0
GFL006 30+75W	DIRT	Niton	XL3t	7/10/2012	60	0		0		27.23	10.96	130	23.33	0		0		1489	175.65	2.230906	0.050124	0
GFL006 31+00W	DIRT	Niton	XL3t	7/10/2012	60	0		41.5	26.71	38.3	12.2	105	22.11	0		0		647	131.97	2.870006	0.057607	0
GFL006 31+25W	DIRT	Niton	XL3t	7/10/2012	60	0		0		24.68	10.79	194	27.65	0		0		1198	162.39	2.615082	0.05457	0
GFL006 31+50W	DIRT	Niton	XL3t	7/10/2012	60	0		0		40.05	12.23	141	24.28	0		0		512	120.36	2.842643	0.057098	0
GFL006 31+75W	DIRT	Niton	XL3t	7/10/2012	60	0		0		27.95	11.13	191	27.88	0		0		620	127.9	2.47098	0.053591	0
GFL006 32+00W	DIRT	Niton	XL3t	7/10/2012	60	0		0		44.61	12.97	230	30.27	0		0		605	128.74	2.637129	0.05577	0
GFL006 32+25W	DIRT	Niton	XL3t	7/10/2012	60	0		0		66.2	14.85	187	28.49	0		0		850	148.9	2.766852	0.058272	0

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
GFL006 32+50W	DIRT	Niton	XL3t	7/10/2012	60	0		45.36	28.33	82.47	16.1	164	26.8	95	56.02	0		1260	173.79	3.316649	0.063593	0
GFL006 32+75W	DIRT	Niton	XL3t	7/10/2012	60	0		0		41.9	12.39	175	26.66	0		0		440	115.31	2.770584	0.056597	0
GFL006 33+00W	DIRT	Niton	XL3t	7/10/2012	60	0		0		21.36	10.72	127	23.36	0		0		573	127.95	3.009433	0.059074	19
GFL006 33+25W	DIRT	Niton	XL3t	7/10/2012	60	0		0		32.53	11.77	109	22.79	0		0		387	113.63	3.093106	0.0606	0
GFL006 33+50W	DIRT	Niton	XL3t	7/10/2012	60	0		39.42	26.06	27.76	11.13	126	23.07	0		0		491	119.24	2.855402	0.056862	0
GFL006 33+75W	DIRT	Niton	XL3t	7/10/2012	60	0		0		30.75	11.52	282	33.44	0		0		447	120.79	3.467235	0.064223	0
GFL006 34+00W	DIRT	Niton	XL3t	7/10/2012	60	0		0		17.5	9.84	178	26.27	0		0		577	123.24	2.560163	0.053665	0
GFL006 34+25W	DIRT	Niton	XL3t	7/10/2012	60	0		0		0		207	28.94	0		0		1373	173.69	2.476557	0.053829	0
GFL006 34+50W	DIRT	Niton	XL3t	7/10/2012	60	0		0		23.29	10.94	217	28.96	0		0		425	115.17	2.767003	0.056759	0
GFL006 34+75W	DIRT	Niton	XL3t	7/10/2012	60	0		0		22.59	10.8	230	30.05	0		0		784	139.85	2.786675	0.056606	15
GFL006 35+00W	DIRT	Niton	XL3t	7/10/2012	60	0		0		28.64	11.29	180	26.74	0		0		463	119.42	2.934426	0.058123	0
GFL006 35+25W	DIRT	Niton	XL3t	7/10/2012	60	0		0		20.71	10.51	105	21.91	0		0		809	140.93	2.552488	0.054324	0
GFL006 35+50W	DIRT	Niton	XL3t	7/10/2012	60	0		0		0		143	25.13	0		0		651	131.57	2.310633	0.052661	13
GFL006 35+75W	DIRT	Niton	XL3t	7/10/2012	60	0		0		0		149	25.31	0		0		678	133.33	2.790221	0.057121	17
GFL006 36+00W	DIRT	Niton	XL3t	7/10/2012	60	0		0		24.75	11.02	122	23.38	0		0		829	143.43	2.606859	0.055488	0
GFL007 00+00	DIRT	Niton	XL3t	7/8/2012	60	0		0		0		136	23.87	0		218.38	143.16	782	137.36	2.537882	0.053612	15.55
GFL007 00+25W	DIRT	Niton	XL3t	7/8/2012	60	0		0		0		195	27.62	0		0		1092	154.62	2.163038	0.049568	0
GFL007 00+50W	DIRT	Niton	XL3t	7/8/2012	60	0		0		20.72	10.68	235	30.63	0		0		1355	172.49	2.314765	0.052371	0
GFL007 00+75W	DIRT	Niton	XL3t	7/8/2012	60	0		0		17.79	9.83	130	22.89	0		0		396	107.29	2.250769	0.049876	0
GFL007 01+00W	DIRT	Niton	XL3t	7/8/2012	60	0		0		0		95	20.37	0		0		492	112.11	1.982804	0.046415	0
GFL007 01+25W	DIRT	Niton	XL3t	7/8/2012	60	0		0		22.07	10.48	180	26.86	0		0		930	145.16	2.133426	0.049435	0
GFL007 01+50W	DIRT	Niton	XL3t	7/8/2012	60	0		0		20.77	10.39	96	20.87	0		0		532	119.9	2.244954	0.050484	0
GFL007 01+75W	DIRT	Niton	XL3t	7/8/2012	60	0		0		20.35	10.34	160	25.77	0		0		674	130.66	2.466934	0.053202	0
GFL007 02+00W	DIRT	Niton	XL3t	7/8/2012	60	0		42.87	26.83	17.59	10.32	137	24.13	0		0		745	135.86	2.496353	0.05392	0
GFL007 02+25W	DIRT	Niton	XL3t	7/8/2012	60	0		0		16.26	9.85	104	21.59	0		0		779	136.81	2.474994	0.052719	0
GFL007 02+50W	DIRT	Niton	XL3t	7/8/2012	60	0		0		0		155	26.1	0		0		611	130.83	2.79027	0.058215	13.66
GFL007 02+75W	DIRT	Niton	XL3t	7/8/2012	60	0		0		0		177	26.88	0		0		488	118.67	2.588805	0.054834	0
GFL007 03+00W	DIRT	Niton	XL3t	7/8/2012	60	0		0		22.46	10.82	230	29.78	0		0		1386	173.05	2.364782	0.052499	0
GFL007 03+25W	DIRT	Niton	XL3t	7/8/2012	60	0		57.11	28.1	32.62	11.8	151	25.44	0		0		355	112.14	3.311174	0.062119	0
GFL007 03+50W	DIRT	Niton	XL3t	7/8/2012	60	0		0		33.65	11.9	234	30.19	0		0		694	133.82	2.591929	0.05477	0
GFL007 03+75W	DIRT	Niton	XL3t	7/8/2012	60	0		0		0		159	25.34	0		0		607	124.73	2.386738	0.051612	12.21
GFL007 04+00W	DIRT	Niton	XL3t	7/8/2012	60	0		0		0		146	24.67	0		0		411	111.02	2.425695	0.052659	0
GFL007 04+25W	DIRT	Niton	XL3t	7/8/2012	60	0		0		29.66	11.2	142	23.96	0		0		658	127.5	2.322276	0.050841	0
GFL007 04+50W	DIRT	Niton	XL3t	7/8/2012	60	0		0		0		139	23.88	0		0		694	129.61	2.034695	0.047816	0
GFL007 04+75W	DIRT	Niton	XL3t	7/8/2012	60	0		0		25.21	10.68	183	26.48	0		0		872	140.61	2.459986	0.052179	0
GFL007 05+00W	DIRT	Niton	XL3t	7/8/2012	60	0		0		28.05	11.38	211	29.36	0		0		1272	167.19	2.06875	0.049506	0
GFL007 05+25W	DIRT	Niton	XL3t	7/8/2012	60	0		0		0		224	29.61	0		0		543	122.05	2.61024	0.05462	0
GFL007 05+50W	DIRT	Niton	XL3t	7/8/2012	60	0		0		22.04	10.67	150	25.11	0		0		648	133.36	3.395343	0.062759	0
GFL007 06+00W	DIRT	Niton	XL3t	7/8/2012	60	0		0		0		178	27	0		0		1027	156.27	2.796188	0.05735	0
GFL007 06+25W	DIRT	Niton	XL3t	7/8/2012	60	0		0		0		89	20.65	0		0		386	109.72	2.63537	0.054943	0
GFL007 06+50W	DIRT	Niton	XL3t	7/8/2012	60	0		0		0		221	29.2	0		0		1262	165.04	2.488878	0.053216	0
GFL007 06+75W	DIRT	Niton	XL3t	7/8/2012	60	0		0		15.55	9.88	130	23.27	0		0		373	108.34	2.396879	0.052201	0
GFL007 07+00W	DIRT	Niton	XL3t	7/8/2012	60	0		0		21.86	10.51	148	24.46	0		0		480	114.28	2.190466	0.049413	0
GFL007 07+25W	DIRT	Niton	XL3t	7/8/2012	60	0		0		0		78	19.58	0		0		169	90.05	2.389694	0.05212	0
GFL007 07+50W	DIRT	Niton	XL3t	7/8/2012	60	0		0		15.16	9.62	182	26.58	0		0		1247	163.4	2.605401	0.054049	0

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
GFL007 07+75W	DIRT	Niton	XL3t	7/8/2012	60	0		0		22.37	10.81	148	24.85	0		0		739	135.25	2.190534	0.050363	0
GFL007 08+00W	DIRT	Niton	XL3t	7/8/2012	60	0		0		20.31	10.37	115	22.24	0		0		420	110.21	2.224135	0.049974	0
GFL007 08+25W	DIRT	Niton	XL3t	7/10/2012	60	0		0		21.09	10.51	187	27.25	0		0		1205	164.86	2.493995	0.053862	0
GFL007 08+50W	DIRT	Niton	XL3t	7/10/2012	60	0		0		17.95	10.3	185	27.57	0		0		503	121.15	2.838709	0.057325	0
GFL007 08+75W	DIRT	Niton	XL3t	7/10/2012	60	0		0		21.62	10.78	217	30.15	0		0		575	130.22	3.13859	0.061594	0
GFL007 09+75W	DIRT	Niton	XL3t	7/10/2012	60	0		58.28	31.12	62.23	15.32	151	27.38	0		0		445	136.34	5.555462	0.085847	0
GFL007 10+00W	DIRT	Niton	XL3t	7/10/2012	60	0		0		26.3	11.02	121	23.27	0		0		627	129.09	2.746134	0.056421	0
GFL007 10+25W	DIRT	Niton	XL3t	7/10/2012	60	0		0		0		111	21.75	0		0		799	133.35	1.803431	0.044547	0
GFL007 10+50W	DIRT	Niton	XL3t	7/10/2012	60	0		40.08	25.77	25.78	10.88	131	23.43	0		0		484	116.58	2.629123	0.054278	0
GFL007 10+75W	DIRT	Niton	XL3t	7/10/2012	60	0		0		22.32	10.54	174	26.55	0		0		894	145.94	2.726477	0.056121	0
GFL007 11+00W	DIRT	Niton	XL3t	7/10/2012	60	0		0		15.49	10.16	209	28.74	0		0		737	138.34	2.928123	0.058614	0
GFL007 11+25W	DIRT	Niton	XL3t	7/10/2012	60	0		0		0		150	24.38	0		0		577	120.46	2.279459	0.050119	0
GFL007 11+50W	DIRT	Niton	XL3t	7/10/2012	60	0		0		0		171	26.06	0		0		455	114.3	2.45512	0.052663	12
GFL007 11+75W	DIRT	Niton	XL3t	7/10/2012	60	0		0		37.61	12.24	158	25.78	0		0		556	124.67	2.610266	0.054933	0
GFL007 12+00W	DIRT	Niton	XL3t	7/10/2012	60	0		0		14.38	9.42	81	19.32	0		0		704	126.43	1.898821	0.045479	0
GFL007 12+25W	DIRT	Niton	XL3t	7/11/2012	60	0		0		0		151	25.05	0		0		1302	167.53	2.232167	0.050641	0
GFL007 12+50W	DIRT	Niton	XL3t	7/11/2012	60	0		0		23.41	10.64	130	23.2	0		0		413	111.72	2.348912	0.051572	0
GFL007 12+75W	DIRT	Niton	XL3t	7/11/2012	60	0		0		20.95	10.23	134	23.44	0		0		612	123.23	2.020964	0.047376	0
GFL007 13+00W	DIRT	Niton	XL3t	7/11/2012	60	0		0		30.94	11.48	149	25.42	0		0		788	141.68	2.719234	0.056588	0
GFL007 13+25W	DIRT	Niton	XL3t	7/11/2012	60	0		0		20.16	10.18	136	24.16	0		0		1134	157.34	2.406441	0.052227	0
GFL007 13+50W	DIRT	Niton	XL3t	7/11/2012	60	0		0		0		116	22.19	0		0		817	138.28	2.205578	0.049788	0
GFL007 13+75W	DIRT	Niton	XL3t	7/11/2012	60	0		0		19.64	10.16	98	20.84	0		0		610	124.4	1.996747	0.047403	0
GFL007 14+00W	DIRT	Niton	XL3t	7/11/2012	60	0		0		21.62	10.35	81	18.9	0		0		455	112.89	2.165229	0.049359	0
GFL007 14+25W	DIRT	Niton	XL3t	7/11/2012	60	0		0		21.36	10.36	100	21.37	0		0		353	106.95	2.370859	0.051742	0
GFL007 14+50W	DIRT	Niton	XL3t	7/11/2012	60	0		0		25.97	10.72	184	27.07	0		0		1479	174.98	1.892128	0.046529	0
GFL007 14+75W	DIRT	Niton	XL3t	7/11/2012	60	0		47.45	26.82	16.62	9.99	162	25.81	0		0		652	129.2	2.477395	0.053199	0
GFL007 15+00W	DIRT	Niton	XL3t	7/11/2012	60	0		0		0		130	23.49	0		0		468	114.12	2.35812	0.051408	0
GFL007 15+25W	DIRT	Niton	XL3t	7/11/2012	60	0		0		23.12	10.56	105	21.53	0		242.9	133.52	798	136.77	2.158466	0.049407	0
GFL007 15+50W	DIRT	Niton	XL3t	7/11/2012	60	0		0		20.91	10.18	93	20.99	0		0		655	126.09	2.078088	0.048101	0
GFL007 15+75W	DIRT	Niton	XL3t	7/11/2012	60	0		0		0		121	22.69	0		0		654	127.79	2.449317	0.052416	0
GFL007 16+00W	DIRT	Niton	XL3t	7/11/2012	60	0		0		0		121	22.39	0		0		433	108.41	1.773766	0.044289	0
GFL007 16+25W	DIRT	Niton	XL3t	7/11/2012	60	0		0		14.6	9.57	103	20.82	0		0		551	118.37	2.044073	0.047244	0
GFL007 16+50W	DIRT	Niton	XL3t	7/11/2012	60	0		0		17.96	9.98	148	24.35	0		0		1324	166.99	2.390207	0.051643	0
GFL007 16+75W	DIRT	Niton	XL3t	7/11/2012	60	0		0		22.15	10.45	173	25.93	0		0		421	112.31	2.654234	0.054433	0
GFL007 17+00W	DIRT	Niton	XL3t	7/11/2012	60	0		0		14.74	9.53	68	18.21	0		0		153	81.91	1.569584	0.041386	0
GFL007 17+25W	DIRT	Niton	XL3t	7/11/2012	60	0		0		25.91	10.87	75	19.48	0		0		289	99.63	2.005717	0.047908	0
GFL007 17+50W	DIRT	Niton	XL3t	7/11/2012	60	0		0		15.64	9.8	58	17.78	0		0		276	95.72	1.80882	0.045152	0
GFL007 17+75W	DIRT	Niton	XL3t	7/11/2012	60	0		0		0		100	21.23	0		0		257	96.56	2.238071	0.049944	0
GFL007 18+00W	DIRT	Niton	XL3t	7/11/2012	60	0		0		19.11	10.44	123	23.53	0		0		335	108.78	2.926036	0.058706	0
GFL007 18+25W	DIRT	Niton	XL3t	7/11/2012	60	0		0		13.92	9.25	92	20.15	0		0		306	96.32	1.766579	0.043543	0
GFL007 18+50W	DIRT	Niton	XL3t	7/11/2012	60	0		0		15.99	9.8	182	26.84	0		0		517	118.46	2.370309	0.051823	0
GFL007 18+75W	DIRT	Niton	XL3t	7/11/2012	60	0		0		16.13	9.94	129	23.26	0		0		450	112.85	2.116072	0.048831	0
GFL007 19+00W	DIRT	Niton	XL3t	7/11/2012	60	0		0		22.33	10.36	133	23.44	0		0		251	97.68	2.498517	0.052951	0
GFL007 19+25W	DIRT	Niton	XL3t	7/11/2012	60	0		0		20.75	10.28	112	21.6	0		0		870	138.43	1.738222	0.043911	0
GFL007 19+50W	DIRT	Niton	XL3t	7/11/2012	60	0		0		15.06	9.53	171	26.08	0		0		719	131.74	2.243642	0.050125	0

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
GFL007 19+75W	DIRT	Niton	XL3t	7/11/2012	60	0		0		29.12	11.04	105	21.58	0		0		360	106.35	2.254509	0.050487	0
GFL007 20+00W	DIRT	Niton	XL3t	7/11/2012	60	0		0		22.16	10.13	89	19.83	0		0		255	91.95	1.746154	0.043355	0
GFL007 20+25W	DIRT	Niton	XL3t	7/11/2012	60	0		41.18	25.93	25.39	10.74	159	25.04	0		0		2051	200.76	2.173554	0.049626	0
GFL007 20+50W	DIRT	Niton	XL3t	7/11/2012	60	0		0		16.97	9.95	138	23.52	0		0		791	134.38	2.07326	0.048004	0
GFL007 20+75W	DIRT	Niton	XL3t	7/11/2012	60	0		0		22.54	10.44	121	23.06	0		0		815	137.91	2.146707	0.0494	0
GFL007 21+00W	DIRT	Niton	XL3t	7/11/2012	60	0		0		14.77	9.76	91	19.67	0		0		478	110.78	1.973475	0.046344	0
GFL007 21+25W	DIRT	Niton	XL3t	7/11/2012	60	0		0		23.07	10.74	124	23.47	0		0		695	132.05	2.317804	0.052028	0
GFL007 21+50W	DIRT	Niton	XL3t	7/11/2012	60	0		0		14.56	9.64	120	22.63	0		0		575	120.39	1.918061	0.046381	0
GFL007 21+75W	DIRT	Niton	XL3t	7/11/2012	60	0		0		24.61	10.83	182	27.14	0		0		848	142.41	2.583729	0.054176	0
GFL007 22+00W	DIRT	Niton	XL3t	7/11/2012	60	0		0		0		59	17.49	0		0		187	84.44	1.36247	0.038643	0
GFL007 22+25W	DIRT	Niton	XL3t	7/11/2012	60	0		0		18.02	9.72	89	19.66	0		0		347	99.31	1.601607	0.041578	0
GFL007 22+50W	DIRT	Niton	XL3t	7/11/2012	60	0		0		45.37	13.36	172	27.16	0		0		1461	185.08	3.322137	0.063803	0
GFL007 22+75W	DIRT	Niton	XL3t	7/11/2012	60	0		0		21.55	10.26	171	25.58	0		0		799	136.48	2.400564	0.051264	0
GFL007 23+00W	DIRT	Niton	XL3t	7/11/2012	60	0		0		23.94	10.56	178	25.99	0		0		889	139.05	1.791807	0.04434	0
GFL007 23+25W	DIRT	Niton	XL3t	7/11/2012	60	0		0		0		81	19.55	0		0		166	87.71	1.950846	0.047445	0
GFL007 23+50W	DIRT	Niton	XL3t	7/11/2012	60	0		0		18.26	9.87	63	17.67	0		0		240	90.45	1.572433	0.041259	0
GFL007 23+75W	DIRT	Niton	XL3t	7/11/2012	60	0		0		22.23	10.44	158	24.87	0		0		527	115.2	1.610563	0.0422	0
GFL007 24+00W	DIRT	Niton	XL3t	7/11/2012	60	0		0		21.14	10.03	80	19.21	0		0		281	92.91	1.459837	0.0397	0
GFL007 24+25W	DIRT	Niton	XL3t	7/11/2012	60	0		0		17.39	9.93	96	20.19	0		0		500	112.62	1.833364	0.044712	0
GFL007 24+50W	DIRT	Niton	XL3t	7/11/2012	60	0		0		0		66	17.4	0		0		188	83.81	1.465682	0.03959	0
GFL007 24+75W	DIRT	Niton	XL3t	7/11/2012	60	0		0		15.53	9.67	122	22.69	0		0		996	147.37	1.927369	0.046487	0
GFL007 25+00W	DIRT	Niton	XL3t	7/11/2012	60	0		0		24.91	10.94	194	28.01	0		0		1184	164.94	3.010436	0.05936	0
GFL007 25+25W	DIRT	Niton	XL3t	7/11/2012	60	0		0		31.12	11.82	183	27.81	0		0		2591	232.82	2.664655	0.05706	0
GFL007 25+50W	DIRT	Niton	XL3t	7/11/2012	60	0		0		17.42	10.05	167	25.39	0		0		533	118.92	2.243018	0.049742	0
GFL007 25+75W	DIRT	Niton	XL3t	7/11/2012	60	0		0		0		134	23.49	0		0		506	115.73	2.161638	0.048998	0
GFL007 26+00W	DIRT	Niton	XL3t	7/11/2012	60	0		49.04	26.49	22.76	10.52	175	26.26	0		0		521	120.19	2.905449	0.056841	0
GFL007 26+25W	DIRT	Niton	XL3t	7/11/2012	60	0		41.18	26.48	16.69	9.88	118	22.75	0		0		421	111.4	2.364075	0.05192	0
GFL007 26+50W	DIRT	Niton	XL3t	7/11/2012	60	0		0		21.26	10.38	198	27.56	0		0		1114	154.65	2.31159	0.050681	0
GFL007 26+75W	DIRT	Niton	XL3t	7/11/2012	60	0		0		27.84	11.03	149	25.1	0		0		494	120.28	2.900345	0.057877	0
GFL007 27+00W	DIRT	Niton	XL3t	7/11/2012	60	0		0		20.38	10.96	151	26.03	0		0		910	150.61	2.342563	0.0536	0
GFL007 27+25W	DIRT	Niton	XL3t	7/11/2012	60	0		0		0		127	23.24	0		0		478	113.59	1.984208	0.047554	0
GFL007 27+50W	DIRT	Niton	XL3t	7/11/2012	60	0		0		17.06	9.8	93	19.96	0		0		192	86.42	1.824847	0.044532	0
GFL007 27+75W	DIRT	Niton	XL3t	7/11/2012	60	0		0		42.16	13.29	138	25.3	0		0		416	120.22	3.238709	0.063666	0
GFL007 28+00W	DIRT	Niton	XL3t	7/11/2012	60	0		0		14.69	9.78	148	24.35	0		0		528	117.56	2.138214	0.048883	0
GFL007 28+25W	DIRT	Niton	XL3t	7/11/2012	60	0		0		19.74	10.16	170	25.55	0		0		569	118.84	2.064016	0.047628	0
GFL007 28+50W	DIRT	Niton	XL3t	7/11/2012	60	0		0		26.69	10.76	94	20.41	0		0		405	106.4	1.840984	0.04483	0
GFL007 28+75W	DIRT	Niton	XL3t	7/11/2012	60	0		0		23.63	10.85	143	24.95	0		0		418	109.74	1.777272	0.04564	0
GFL007 29+00W	DIRT	Niton	XL3t	7/11/2012	60	0		0		30.07	11.44	159	25.62	0		0		399	111.29	2.395908	0.052709	0
GFL007 29+25W	DIRT	Niton	XL3t	7/11/2012	60	0		49.33	27.79	35.6	12	164	26.2	0		0		294	105.18	2.707986	0.056445	0
GFL007 29+50W	DIRT	Niton	XL3t	7/11/2012	60	0		0		33.22	11.62	97	20.94	0		0		186	90.59	2.159609	0.049137	0
GFL007 29+75W	DIRT	Niton	XL3t	7/11/2012	60	0		0		32.36	11.7	159	25.84	0		0		405	112.95	2.785628	0.05685	0
GFL007 30+00W	DIRT	Niton	XL3t	7/11/2012	60	0		0		37.63	12.34	81	20.26	0		0		283	100.68	2.108381	0.050157	0
GFL007 30+25W	DIRT	Niton	XL3t	7/11/2012	60	0		0		29.71	11.24	117	22.45	0		0		838	139.11	2.080785	0.048466	0
GFL007 30+50W	DIRT	Niton	XL3t	7/11/2012	60	0		0		0		119	22.77	0		0		624	125.27	1.903105	0.046935	0
GFL007 30+75W	DIRT	Niton	XL3t	7/11/2012	60	0		0		25.66	11.06	105	21.92	0		0		913	145.92	2.00165	0.048352	0

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
GFL007 31+00W	DIRT	Niton	XL3t	7/11/2012	60	0		0		25.84	11.14	155	25.85	0		0		937	151.54	2.512899	0.054835	0
GFL007 31+25W	DIRT	Niton	XL3t	7/11/2012	60	0		0		36.86	11.78	177	26.38	0		0		1086	154.35	2.252459	0.050421	0
GFL007 31+50W	DIRT	Niton	XL3t	7/11/2012	60	0		0		20.68	10.47	212	28.81	0		0		865	140.81	2.27793	0.050761	0
GFL007 31+75W	DIRT	Niton	XL3t	7/11/2012	60	0		42.76	26.17	29.31	11.3	152	24.83	0		0		461	113.33	2.394103	0.051677	0
GFL007 32+00W	DIRT	Niton	XL3t	7/11/2012	60	0		0		30.04	11.31	191	27.27	0		0		311	99.55	2.227653	0.049784	0
GFL007 32+25W	DIRT	Niton	XL3t	7/11/2012	60	0		0		28.8	10.98	134	23.37	0		0		545	118.68	2.377965	0.050951	0
GFL007 32+50W	DIRT	Niton	XL3t	7/27/2012	60	0		0		38.94	12.1	151	24.78	0		0		886	143.04	2.334688	0.051303	0
GFL007 32+75W	DIRT	Niton	XL3t	7/27/2012	60	0		0		23.64	10.77	153	25.09	0		0		681	132.86	2.602277	0.05488	0
GFL007 33+00W	DIRT	Niton	XL3t	7/27/2012	60	0		0		34.41	11.8	116	23.06	0		0		631	131.41	2.859881	0.057985	0
GFL007 33+25W	DIRT	Niton	XL3t	7/27/2012	60	0		0		33.88	11.57	156	25.51	0		0		376	112.28	3.021239	0.058946	0
GFL007 33+50W	DIRT	Niton	XL3t	7/27/2012	60	0		0		28.75	11.25	185	27.26	0		0		625	127.76	2.451337	0.05318	0
GFL007 33+75W	DIRT	Niton	XL3t	7/27/2012	60	0		0		0		40	14.84	0		0		375	97.61	1.275146	0.036276	0
GFL007 34+00W	DIRT	Niton	XL3t	7/27/2012	60	0		40.4	25.56	26.77	10.81	94	20.46	0		0		656	125.24	1.922057	0.046321	0
GFL007 34+25W	DIRT	Niton	XL3t	7/27/2012	60	0		0		30.94	11.25	136	23.9	0		0		1036	150.58	2.167006	0.049233	0
GFL007 34+50W	DIRT	Niton	XL3t	7/27/2012	60	0		0		22.85	10.14	55	16.72	0		0		390	102.1	1.544425	0.040687	0
GFL007 34+75W	DIRT	Niton	XL3t	7/27/2012	60	0		48.34	27.79	34.07	11.87	145	25.17	0		0		611	130.27	2.958309	0.059233	0
GFL007 35+00W	DIRT	Niton	XL3t	7/27/2012	60	9.06	5.67	0		24.29	10.68	137	23.87	0		0		563	123.27	2.716091	0.055397	0
GFL007 35+25W	DIRT	Niton	XL3t	7/27/2012	60	0		0		0		73	18.51	0		0		327	100.28	1.928587	0.046069	0
GFL007 35+50W	DIRT	Niton	XL3t	7/27/2012	60	0		0		25.12	10.66	90	20.07	0		0		490	113.91	2.017075	0.04741	0
GFL007 35+75W	DIRT	Niton	XL3t	7/27/2012	60	0		0		27.42	10.9	121	22.6	0		0		639	127.49	2.379201	0.051685	0
GFL007 36+00W	DIRT	Niton	XL3t	7/27/2012	60	0		0		25.35	10.9	120	22.7	0		0		1014	150.7	2.379848	0.051782	0
GFL008 00+00	DIRT	Niton	XL3t	7/26/2012	60	0		0		26.35	10.86	163	25.83	0		0		721	133.54	2.608024	0.054351	0
GFL008 00+25E	DIRT	Niton	XL3t	7/26/2012	60	0		0		21.01	10.39	114	21.92	0		0		638	125.47	1.940157	0.04653	0
GFL008 00+50E	DIRT	Niton	XL3t	7/26/2012	60	0		0		22.49	10.62	119	23.05	0		0		518	118.81	1.756367	0.045604	0
GFL008 00+75E	DIRT	Niton	XL3t	7/26/2012	60	0		0		18.87	10.46	130	24.13	0		0		509	121.05	1.924978	0.048489	0
GFL008 01+00E	DIRT	Niton	XL3t	7/26/2012	60	0		0		14.72	9.76	135	23.78	0		0		351	107.43	2.397433	0.052358	15.16
GFL008 01+25E	DIRT	Niton	XL3t	7/26/2012	60	0		0		30.38	11.83	169	26.54	0		0		467	120.76	3.155204	0.060859	0
GFL008 01+50E	DIRT	Niton	XL3t	7/26/2012	60	0		0		0		61	17.26	0		0		244	89.71	1.447906	0.039288	0
GFL008 01+75E	DIRT	Niton	XL3t	7/26/2012	60	0		0		24.48	10.54	108	21.17	0		0		358	102.1	1.883094	0.045268	0
GFL008 02+00E	DIRT	Niton	XL3t	7/26/2012	60	0		0		26	11.4	171	27.05	0		0		1295	174.01	3.39499	0.063898	0
GFL008 02+25E	DIRT	Niton	XL3t	7/26/2012	60	0		42.35	27.47	37.37	12.24	138	24.73	0		0		357	115.08	3.599764	0.065381	15.57
GFL008 02+50E	DIRT	Niton	XL3t	7/26/2012	60	0		0		22.14	9.92	51	15.85	0		0		238	88.28	1.74418	0.04231	0
GFL008 02+75E	DIRT	Niton	XL3t	7/26/2012	60	0		0		28.44	11.23	166	26.11	0		0		1432	176.3	2.827401	0.057082	0
GFL008 03+00E	DIRT	Niton	XL3t	7/26/2012	60	0		56.01	27.21	18.88	9.96	91	20.63	0		0		377	108.71	2.574657	0.054011	0
GFL008 03+25E	DIRT	Niton	XL3t	7/26/2012	60	0		0		23.18	10.38	89	20.02	0		0		347	103.03	2.276293	0.050334	0
GFL008 03+50E	DIRT	Niton	XL3t	7/26/2012	60	0		0		0		49	15.72	0		0		162	80.12	1.384977	0.038248	0
GFL008 03+75E	DIRT	Niton	XL3t	7/26/2012	60	0		0		0		147	24.31	0		0		514	117.08	2.350878	0.050858	0
GFL008 04+00E	DIRT	Niton	XL3t	7/26/2012	60	0		0		16.99	9.89	130	23.45	0		0		298	103.64	2.824342	0.056501	0
GFL008 04+25E	DIRT	Niton	XL3t	7/26/2012	60	0		0		31.84	11.3	136	23.65	0		0		1124	155.89	2.501074	0.052839	0
GFL008 04+50E	DIRT	Niton	XL3t	7/26/2012	60	0		0		26.78	11.21	157	25.57	0		0		1192	163.63	2.381502	0.052767	0
GFL008 04+75E	DIRT	Niton	XL3t	7/26/2012	60	0		0		23.49	10.76	166	26.25	0		0		1327	171.05	2.475446	0.053832	0
GFL008 05+00E	DIRT	Niton	XL3t	7/26/2012	60	0		0		18	9.8	92	20.04	0		0		455	109.63	1.927426	0.045663	0
GFL008 05+25E	DIRT	Niton	XL3t	7/26/2012	60	0		0		25.58	10.58	168	25.58	0		0		1060	150.78	2.174641	0.048965	0
GFL008 05+50E	DIRT	Niton	XL3t	7/26/2012	60	0		0		0		149	25.08	0		0		682	130.77	2.466054	0.052791	0
GFL008 05+75E	DIRT	Niton	XL3t	7/26/2012	60	0		0		31.03	11.63	186	27.69	0		0		647	133.28	3.225054	0.061255	0

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
GFL008 06+00E	DIRT	Niton	XL3t	7/26/2012	60	0		0		19.44	10.26	127	22.95	0		0		955	145.72	2.384396	0.051447	0
GFL008 06+25E	DIRT	Niton	XL3t	7/26/2012	60	0		0		26.67	11.12	190	27.55	0		0		953	149.86	2.694949	0.055799	0
GFL008 06+50E	DIRT	Niton	XL3t	7/26/2012	60	0		0		25.73	10.77	101	21.07	0		0		407	109.99	2.412805	0.052028	0
GFL008 06+75E	DIRT	Niton	XL3t	7/26/2012	60	0		0		29.08	11.88	205	30.36	0		0		1488	190.15	2.922618	0.061485	0
GFL008 07+00E	DIRT	Niton	XL3t	7/26/2012	60	0		0		16.4	10.08	156	25.32	0		0		964	150.02	2.671218	0.055636	0
GFL008 07+25E	DIRT	Niton	XL3t	7/26/2012	60	0		0		19.58	10.24	241	30.5	0		0		721	134.04	2.561185	0.053921	0
GFL008 07+50E	DIRT	Niton	XL3t	7/27/2012	60	0		0		19.08	10.12	200	28.06	0		0		840	141.2	2.618159	0.054491	0
GFL008 07+75E	DIRT	Niton	XL3t	7/27/2012	60	0		0		23.04	11.01	136	25.36	0		0		661	135.9	2.719104	0.057922	0
GFL008 08+00E	DIRT	Niton	XL3t	7/27/2012	60	0		0		38.57	12.27	167	26.26	0		0		281	106.49	3.390985	0.062899	0
GFL008 08+25E	DIRT	Niton	XL3t	7/27/2012	60	0		0		34.61	11.87	167	26.07	0		0		692	134.69	3.003155	0.059089	0
GFL008 08+50E	DIRT	Niton	XL3t	7/27/2012	60	0		54.11	28.25	36.58	12.24	142	25.05	0		0		386	115.21	3.265572	0.062126	0
GFL008 08+75E	DIRT	Niton	XL3t	7/27/2012	60	0		0		0		57	16.74	0		0		562	113.26	1.373868	0.038197	0
GFL008 09+00E	DIRT	Niton	XL3t	7/27/2012	60	0		0		29.75	10.95	120	22.58	0		252	142.06	1230	161.79	2.516766	0.05293	0
GFL008 09+25E	DIRT	Niton	XL3t	7/27/2012	60	0		0		18.78	10.01	131	23.07	0		0		598	122.78	2.219012	0.04962	0
GFL008 09+50E	DIRT	Niton	XL3t	7/27/2012	60	0		0		0		62	16.98	0		0		265	90.14	1.463414	0.038774	0
GFL008 09+75E	DIRT	Niton	XL3t	7/27/2012	60	0		0		15.66	9.61	127	22.72	0		0		547	116.87	1.984531	0.046492	0
GFL008 10+00E	DIRT	Niton	XL3t	7/27/2012	60	0		0		0		100	20.56	86	48.75	0		622	122.37	2.044846	0.047236	12
GFL008 10+25E	DIRT	Niton	XL3t	7/27/2012	60	0		0		16.18	9.75	129	22.75	0		0		628	124.71	2.293491	0.05036	0
GFL008 10+50E	DIRT	Niton	XL3t	7/27/2012	60	0		0		16.76	9.5	59	17.06	0		0		333	95.29	1.387809	0.038175	0
GFL008 10+75E	DIRT	Niton	XL3t	7/27/2012	60	0		0		15.97	9.81	124	22.83	0		0		481	115.16	2.449943	0.05255	0
GFL008 11+00E	DIRT	Niton	XL3t	7/27/2012	60	0		0		27.9	10.89	87	20.19	0		0		523	116.56	1.841586	0.045613	0
GFL008 11+25E	DIRT	Niton	XL3t	7/27/2012	60	0		0		0		84	19	0		0		265	92.05	1.664843	0.041929	0
GFL008 11+50E	DIRT	Niton	XL3t	7/27/2012	60	0		0		0		75	18.55	0		0		295	95.29	1.524073	0.040599	0
GFL008 11+75E	DIRT	Niton	XL3t	7/27/2012	60	0		0		0		122	22.81	0		0		410	110.61	2.426292	0.05197	0
GFL008 12+00E	DIRT	Niton	XL3t	7/27/2012	60	0		0		15.92	10.05	102	21.83	0		0		491	119.05	2.431323	0.053334	0
GFL008 12+25E	DIRT	Niton	XL3t	7/27/2012	60	0		0		17.84	9.88	86	19.38	0		177	117.89	485	110.47	1.778632	0.043771	0
GFL008 12+50E	DIRT	Niton	XL3t	7/27/2012	60	0		0		15.33	9.49	63	17.23	0		0		337	97	1.352433	0.037954	0
GFL008 12+75E	DIRT	Niton	XL3t	7/27/2012	60	0		0		23.61	10.59	152	24.47	0		0		466	112.31	2.133542	0.048585	0
GFL008 13+00E	DIRT	Niton	XL3t	7/27/2012	60	0		56.25	27.63	47.06	12.91	157	25.5	0		0		555	125.62	3.28018	0.061551	0
GFL008 13+25E	DIRT	Niton	XL3t	7/27/2012	60	0		0		26.66	10.74	84	19.45	0		0		466	109.55	1.782179	0.043868	0
GFL008 13+50E	DIRT	Niton	XL3t	7/27/2012	60	0		0		16.38	9.66	122	22.43	0		0		250	93.2	2.089535	0.047656	0
GFL008 13+75E	DIRT	Niton	XL3t	7/27/2012	60	0		41.79	25.5	18.94	10	136	23.47	0		0		829	135.63	2.100468	0.047838	0
GFL008 14+00E	DIRT	Niton	XL3t	7/27/2012	60	0		37.92	25.23	17.53	9.71	127	22.97	0		0		303	99.15	2.241936	0.049396	0
GFL008 14+25E	DIRT	Niton	XL3t	7/27/2012	60	0		0		24.05	10.65	110	21.58	0		0		858	139.55	2.245457	0.049923	0
GFL008 14+50E	DIRT	Niton	XL3t	7/27/2012	60	0		0		0		124	22.6	0		0		1713	183.61	1.881176	0.04579	0
GFL008 14+75E	DIRT	Niton	XL3t	7/27/2012	60	0		0		18.84	10.32	158	25.65	0		0		2289	215.71	2.301869	0.051981	0
GFL008 15+00E	DIRT	Niton	XL3t	7/27/2012	60	0		0		0		75	19.46	0		0		274	101	2.519846	0.053627	0
GFL008 15+25E	DIRT	Niton	XL3t	7/27/2012	60	0		0		23.92	10.48	126	22.67	0		0		475	113.45	2.434685	0.051721	0
GFL008 15+50E	DIRT	Niton	XL3t	7/27/2012	60	0		39.85	25.9	29.26	11.23	137	24.1	0		0		1627	183.37	2.623286	0.054436	0
GFL008 15+75E	DIRT	Niton	XL3t	7/27/2012	60	0		0		17.62	9.93	108	21.86	0		0		915	145.8	2.644688	0.054801	0
GFL008 16+00E	DIRT	Niton	XL3t	7/27/2012	60	0		0		24.9	10.65	159	25.38	0		0		1121	156.22	2.498071	0.053037	0
GFL008 16+25E	DIRT	Niton	XL3t	7/27/2012	60	0		0		16.88	9.64	152	25.1	0		0		900	143.79	2.431692	0.052329	0
GFL008 16+50E	DIRT	Niton	XL3t	7/27/2012	60	0		0		14.87	9.54	155	24.63	0		0		770	134.46	2.447225	0.051962	0
GFL008 16+75E	DIRT	Niton	XL3t	7/27/2012	60	0		0		17.95	9.92	93	20.26	0		0		750	132.3	2.082891	0.048038	0
GFL008 17+00E	DIRT	Niton	XL3t	7/27/2012	60	0		0		17.33	10.08	112	21.89	0		0		406	109.49	2.517614	0.052998	0

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
GFL008 17+25E	DIRT	Niton	XL3t	7/27/2012	60	0		0		26.11	11.05	134	24.13	0		0		814	144.39	3.224744	0.061106	0
GFL008 17+50E	DIRT	Niton	XL3t	7/27/2012	60	0		0		15.17	10.02	121	22.82	0		0		362	106.89	2.388412	0.051923	0
GFL008 17+75E	DIRT	Niton	XL3t	7/27/2012	60	0		0		30.35	11.63	159	25.59	0		0		845	144.82	3.132285	0.060166	0
GFL008 18+25E	DIRT	Niton	XL3t	7/27/2012	60	0		0		43.45	12.84	123	23.24	0		0		1042	158.21	3.12985	0.060347	0
GFL008 18+50E	DIRT	Niton	XL3t	7/27/2012	60	0		0		54.5	13.85	159	25.83	0		0		2016	205.15	2.633631	0.055491	0
GFL008 18+75E	DIRT	Niton	XL3t	7/27/2012	60	0		44.75	27.09	41.34	12.82	278	32.53	0		0		1031	157.27	3.302054	0.06206	0
GFL008 20+00E	DIRT	Niton	XL3t	7/27/2012	60	0		0		19.38	10.05	106	21.17	0		0		331	102.62	2.330635	0.050505	0
GFL008 20+25E	DIRT	Niton	XL3t	7/27/2012	60	0		0		18.3	9.91	123	22.16	77	49.6	0		390	107.44	2.489568	0.052204	0
GFL008 20+50E	DIRT	Niton	XL3t	7/27/2012	60	0		0		0		185	27.02	0		0		1195	159.77	2.454654	0.052418	0
GFL008 20+75E	DIRT	Niton	XL3t	7/27/2012	60	0		0		0		65	18.41	0		0		311	103.41	2.371546	0.052179	15
GFL008 21+00E	DIRT	Niton	XL3t	7/27/2012	60	0		0		18.67	10	66	18.14	0		0		322	100.75	2.174254	0.048886	0
GFL008 21+25E	DIRT	Niton	XL3t	7/27/2012	60	0		0		24.73	10.99	62	18.14	0		0		630	129.79	2.838258	0.057065	0
GFL008 21+50E	DIRT	Niton	XL3t	7/27/2012	60	0		41.91	25.85	24.84	10.75	71	18.43	0		0		574	122.56	2.461074	0.052371	0
GFL008 21+75E	DIRT	Niton	XL3t	7/27/2012	60	0		0		0		43	16.2	0		0		508	116.63	2.308367	0.050781	0
GFL008 22+00E	DIRT	Niton	XL3t	7/27/2012	60	0		44.78	25.53	20.83	10.23	101	20.58	0		218	135.2	910	141.91	2.330832	0.050463	0
GFL008 22+25E	DIRT	Niton	XL3t	7/27/2012	60	0		0		17.24	10.01	62	17.82	0		0		297	101.4	2.300925	0.050776	0
GFL008 22+50E	DIRT	Niton	XL3t	7/27/2012	60	0		0		23.07	11.08	68	19.33	0		0		464	120.2	2.666778	0.05607	0
GFL008 22+75E	DIRT	Niton	XL3t	7/27/2012	60	0		0		0		67	18.7	0		0		440	114.38	2.423228	0.0527	0
GFL008 23+00E	DIRT	Niton	XL3t	7/27/2012	60	0		0		0		50	16.87	0		0		312	100.88	2.276217	0.050126	14
GFL008 23+25E	DIRT	Niton	XL3t	7/27/2012	60	0		0		0		85	20.67	79	52.61	0		416	115.95	2.705355	0.056504	0
GFL008 23+50E	DIRT	Niton	XL3t	7/27/2012	60	0		49.19	27.04	21.51	10.72	111	22.6	0		0		750	136.74	2.496814	0.053736	0
GFL008 23+75E	DIRT	Niton	XL3t	7/27/2012	60	0		0		19.11	10.48	74	19.38	0		0		442	113.5	2.411219	0.052608	0
GFL008 24+00E	DIRT	Niton	XL3t	7/27/2012	60	0		0		18.72	10.43	85	20.05	0		0		323	105.05	2.540366	0.054019	0
GFL008 24+25E	DIRT	Niton	XL3t	7/27/2012	60	0		0		28.33	11.2	71	18.98	0		0		404	111.05	2.402863	0.052189	0
GFL008 24+50E	DIRT	Niton	XL3t	7/27/2012	60	0		0		0		61	17.37	0		0		382	104.78	1.993657	0.046554	0
GFL008 24+75E	DIRT	Niton	XL3t	7/27/2012	60	0		0		17.52	9.75	75	19	0		0		372	103.49	2.003023	0.046833	0
GFL008 25+00E	DIRT	Niton	XL3t	7/27/2012	60	0		0		0		0		0		0		0		2.135383	0.138138	0
GFL008 25+25E	DIRT	Niton	XL3t	7/27/2012	60	0		0		15.98	9.9	168	25.77	103	51.41	0		1220	161.55	2.412633	0.051989	0
GFL008 25+50E	DIRT	Niton	XL3t	7/27/2012	60	0		0		0		123	22.83	0		223	128.61	1107	153.46	2.048027	0.047683	0
GFL008 25+75E	DIRT	Niton	XL3t	7/27/2012	60	0		0		17.1	9.69	119	21.87	0		0		352	105.07	2.272568	0.049815	0
GFL008 26+00E	DIRT	Niton	XL3t	7/27/2012	60	0		0		0		109	21.83	0		0		486	115.77	2.364876	0.051438	0
GFL008 26+25E	DIRT	Niton	XL3t	7/27/2012	60	0		0		16.4	9.72	117	22.24	0		0		433	109.18	2.093095	0.047716	0
GFL008 26+50E	DIRT	Niton	XL3t	7/27/2012	60	0		0		17.2	9.79	72	18.63	0		0		581	120.03	2.029596	0.04727	0
GFL008 26+75E	DIRT	Niton	XL3t	7/27/2012	60	0		0		0		76	18.55	0		0		433	108.95	2.176985	0.048863	0
GFL008 27+00E	DIRT	Niton	XL3t	7/27/2012	60	0		0		16.88	9.87	118	22.73	0		0		866	140.93	2.256907	0.050118	0
GFL008 27+25E	DIRT	Niton	XL3t	7/27/2012	60	0		0		21.09	10.34	136	23.88	0		0		828	140.48	2.606552	0.054157	0
GFL008 27+50E	DIRT	Niton	XL3t	7/27/2012	60	0		0		19.02	10.09	127	22.89	0		0		896	142.58	2.273513	0.05016	0
GFL008 27+75E	DIRT	Niton	XL3t	7/27/2012	60	0		0		0		143	24.22	0		0		1718	186.36	2.243357	0.050318	14
GFL008 28+00E	DIRT	Niton	XL3t	7/27/2012	60	0		0		15.71	9.77	131	23.17	0		0		1055	152.42	2.433437	0.051941	0
GFL008 28+25E	DIRT	Niton	XL3t	7/27/2012	60	0		0		0		78	18.8	0		198	131.9	300	98.34	2.232079	0.049255	0
GFL008 28+50E	DIRT	Niton	XL3t	7/27/2012	60	0		0		15.39	9.74	130	23.26	0		0		983	147.42	2.317652	0.050744	0
GFL008 28+75E	DIRT	Niton	XL3t	7/28/2012	60	0		0		15.13	9.63	90	20.48	0		0		508	117.5	2.232964	0.049986	0
GFL008 29+00E	DIRT	Niton	XL3t	7/28/2012	60	0		0		0		90	20.14	0		0		814	136.39	1.869841	0.045918	0
GFL008 29+25E	DIRT	Niton	XL3t	7/28/2012	60	0		0		0		122	22.22	0		0		579	118.43	1.705561	0.043293	0
GFL008 29+50E	DIRT	Niton	XL3t	7/28/2012	60	0		0		16.77	9.92	125	22.97	0		0		579	121.83	2.239092	0.050094	0

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
GFL008 29+75E	DIRT	Niton	XL3t	7/28/2012	60	0		0		20.1	10.25	132	23.43	0		202.6	128.33	1253	162.61	2.030137	0.047781	0
GFL008 30+00E	DIRT	Niton	XL3t	7/28/2012	60	0		0		20.17	10.1	168	25.73	0		0		978	147.33	2.344027	0.051103	0
GFL008 30+25E	DIRT	Niton	XL3t	7/28/2012	60	0		0		25.58	10.73	176	26.35	0		0		1308	166.64	2.259483	0.050588	0
GFL008 30+50E	DIRT	Niton	XL3t	7/28/2012	60	0		0		22.24	10.47	156	24.79	0		0		592	122.51	2.2721	0.050258	0
GFL008 30+75E	DIRT	Niton	XL3t	7/28/2012	60	0		0		0		128	23.31	0		0		582	122.36	2.356223	0.051442	0
GFL008 31+00E	DIRT	Niton	XL3t	7/28/2012	60	0		0		22.01	10.54	136	23.69	0		0		490	116.1	2.225008	0.050082	0
GFL008 31+25E	DIRT	Niton	XL3t	7/28/2012	60	0		0		0		59	16.84	0		0		430	108.93	1.924339	0.045809	0
GFL008 31+50E	DIRT	Niton	XL3t	7/28/2012	60	0		0		20.34	10.28	116	22.44	0		0		522	118.32	2.19365	0.049836	0
GFL008 31+75E	DIRT	Niton	XL3t	7/28/2012	60	0		0		0		127	23.14	0		0		625	125.44	2.191377	0.049632	0
GFL008 32+00E	DIRT	Niton	XL3t	7/28/2012	60	0		0		19.5	10.14	105	21.52	0		0		567	122.58	2.496233	0.053031	0
GFL008 32+25E	DIRT	Niton	XL3t	7/28/2012	60	0		0		0		135	23.77	0		0		913	144.78	2.402683	0.0521	0
GFL008 32+50E	DIRT	Niton	XL3t	7/28/2012	60	0		0		16.26	9.69	106	21.4	0		0		767	134.55	2.39657	0.051565	0
GFL008 32+75E	DIRT	Niton	XL3t	7/28/2012	60	0		0		20.45	10.35	116	22.44	0		0		270	99.63	2.470898	0.052806	0
GFL008 33+00E	DIRT	Niton	XL3t	7/28/2012	60	0		0		0		73	18.52	0		0		190	91.05	2.359256	0.051711	0
GFL008 33+50E	DIRT	Niton	XL3t	7/28/2012	60	0		0		15.18	9.55	57	17.35	0		0		280	96.23	2.043533	0.047266	0
GFL008 33+75E	DIRT	Niton	XL3t	7/28/2012	60	0		0		16.41	9.55	79	19.18	0		0		679	125.97	1.877586	0.045301	0
GFL008 34+00E	DIRT	Niton	XL3t	7/28/2012	60	0		0		14.81	9.5	122	22.58	0		0		485	116.83	2.401285	0.051975	0
GFL009 00+00	DIRT	Niton	XL3t	7/28/2012	60	0		0		20.35	10.05	77	18.77	0		0		290	97.11	2.099636	0.047858	0
GFL009 00+25E	DIRT	Niton	XL3t	7/28/2012	60	0		0		0		124	22.57	0		0		538	118.35	2.442874	0.051969	0
GFL009 00+50E	DIRT	Niton	XL3t	7/28/2012	60	0		0		18.66	10.29	158	24.77	0		0		899	141.4	1.924335	0.046212	0
GFL009 00+75E	DIRT	Niton	XL3t	7/28/2012	60	0		0		33.53	11.39	207	28.13	0		0		1387	169.73	2.231716	0.050025	0
GFL009 01+25E	DIRT	Niton	XL3t	7/28/2012	60	0		0		19.54	9.9	102	20.64	0		0		577	119.73	2.148321	0.048375	0
GFL009 01+50E	DIRT	Niton	XL3t	7/28/2012	60	0		0		20.64	10.39	199	27.93	0		0		525	118.6	2.364859	0.051792	0
GFL009 01+75E	DIRT	Niton	XL3t	7/28/2012	60	0		0		17.39	9.81	144	23.97	0		0		1151	157.14	2.25264	0.05019	0
GFL009 02+00E	DIRT	Niton	XL3t	7/28/2012	60	0		0		0		114	22.25	0		0		941	146.5	2.437818	0.05264	0
GFL009 02+25E	DIRT	Niton	XL3t	7/28/2012	60	0		0		20.28	10.46	180	26.89	0		0		645	129.15	2.617382	0.054543	0
GFL009 02+50E	DIRT	Niton	XL3t	7/28/2012	60	0		0		0		108	21.53	0		0		387	107.94	2.327973	0.051017	0
GFL009 02+75E	DIRT	Niton	XL3t	7/28/2012	60	0		0		32.9	11.88	217	29.41	0		0		715	137	2.915291	0.058597	0
GFL009 03+00E	DIRT	Niton	XL3t	7/28/2012	60	0		0		23.68	10.81	215	29.29	0		0		646	129.24	2.47356	0.053499	0
GFL009 03+25E	DIRT	Niton	XL3t	7/28/2012	60	0		69.08	29.76	21.61	11.18	145	25.37	0		285.91	180.61	578	134.02	3.836266	0.068068	0
GFL009 03+50E	DIRT	Niton	XL3t	7/28/2012	60	0		0		28.34	11.42	142	24.76	0		0		794	141.72	2.947984	0.058609	0
GFL009 04+00E	DIRT	Niton	XL3t	7/28/2012	60	0		52.95	30.64	120.76	19.65	292	35.77	95	59.84	0		3938	299.77	5.152636	0.08241	31.42
GFL009 04+75E	DIRT	Niton	XL3t	7/28/2012	60	0		0		14.71	9.49	107	21.61	0		0		471	112.1	1.959071	0.046408	0
GFL009 05+00E	DIRT	Niton	XL3t	7/28/2012	60	0		0		20.48	10.2	148	24.93	0		0		558	122.26	2.468116	0.0528	0
GFL009 05+25E	DIRT	Niton	XL3t	7/28/2012	60	0		0		27.13	11.15	126	23.04	0		0		330	105.8	2.502668	0.053072	0
GFL009 05+75E	DIRT	Niton	XL3t	7/28/2012	60	0		0		0		201	28.37	0		0		608	127.79	2.378856	0.05266	0
GFL009 06+00E	DIRT	Niton	XL3t	7/28/2012	60	0		0		42.77	13.14	126	24.06	0		0		1075	164.97	3.58941	0.066098	0
GFL009 06+25E	DIRT	Niton	XL3t	7/28/2012	60	0		0		49.63	13.06	86	20.13	0		0		1226	162.6	2.445902	0.052585	0
GFL009 06+50E	DIRT	Niton	XL3t	7/28/2012	60	0		0		42.13	13.22	125	24.2	0		0		1323	178.83	3.39145	0.064419	0
GFL009 06+75E	DIRT	Niton	XL3t	7/28/2012	60	0		50.75	28.32	31.32	12.13	214	29.74	0		0		1701	197.72	3.849393	0.068184	0
GFL009 07+00E	DIRT	Niton	XL3t	7/28/2012	60	0		0		23.27	11.05	144	24.96	0		0		828	146.11	3.095712	0.060483	0
GFL009 07+75E	DIRT	Niton	XL3t	7/28/2012	60	0		0		19.87	10.24	146	24.36	77	50.8	0		419	110.07	2.322121	0.050812	0
GFL009 08+00E	DIRT	Niton	XL3t	7/28/2012	60	0		0		0		250	30.6	0		0		1114	157.83	2.763203	0.055988	0
GFL009 08+25E	DIRT	Niton	XL3t	7/28/2012	60	0		0		26.19	10.87	120	22.64	0		0		473	112.75	1.857491	0.04572	0
GFL009 08+50E	DIRT	Niton	XL3t	7/28/2012	60	0		0		0		91	20.25	0		0		350	105.33	2.399169	0.052125	0

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
GFL009 08+75E	DIRT	Niton	XL3t	7/28/2012	60	0		0		22.65	10.58	223	29.14	0		0		1057	153.54	2.457941	0.052752	0
GFL009 09+00E	DIRT	Niton	XL3t	7/28/2012	60	0		0		0		242	30.26	82	50.17	0		1687	185.6	2.447299	0.052563	0
GFL009 09+25E	DIRT	Niton	XL3t	7/28/2012	60	0		0		21.25	11.1	77	20.34	0		0		342	112.94	3.070016	0.06096	0
GFL009 09+75E	DIRT	Niton	XL3t	7/28/2012	60	13	6.04	0		16.12	10.73	68	19.76	0		0		0		1.174582	0.03868	0
GFL009 10+00E	DIRT	Niton	XL3t	7/28/2012	60	0		0		14.74	9.79	61	17.66	0		0		304	98.2	2.015106	0.047116	0
GFL009 10+50E	DIRT	Niton	XL3t	7/28/2012	60	0		41.81	25.62	18.57	10.09	56	17.1	0		0		180	88.23	1.91653	0.046145	0
GFL009 10+75E	DIRT	Niton	XL3t	7/29/2012	60	0		0		19.46	10.27	116	22.47	0		0		321	101.51	2.151023	0.04917	0
GFL009 11+00E	DIRT	Niton	XL3t	7/29/2012	60	0		0		23.68	10.97	81	19.88	0		263.54	154.04	453	117.14	2.882823	0.057556	0
GFL009 11+25E	DIRT	Niton	XL3t	7/29/2012	60	0		0		25.26	10.79	100	21.22	0		0		427	112.34	2.488071	0.05333	0
GFL009 12+25E	DIRT	Niton	XL3t	7/29/2012	60	0		0		25.55	11.14	97	21.36	0		0		827	142.24	2.669891	0.055608	0
GFL009 12+50E	DIRT	Niton	XL3t	7/29/2012	60	0		0		19.98	10.27	71	18.63	0		210.24	134.35	238	94.82	2.249809	0.050065	0
GFL009 12+75E	DIRT	Niton	XL3t	7/29/2012	60	0		0		36.84	11.84	82	19.87	0		0		302	102.17	2.311288	0.051215	0
GFL009 13+00E	DIRT	Niton	XL3t	7/29/2012	60	0		0		30.49	11.4	94	20.8	0		0		429	113.39	2.548559	0.054198	0
GFL009 13+25E	DIRT	Niton	XL3t	7/29/2012	60	0		0		29.24	11.34	90	20.35	83.61	52.06	0		812	141.21	2.813823	0.056888	0
GFL009 13+50E	DIRT	Niton	XL3t	7/29/2012	60	0		0		26.25	11.07	118	22.4	0		0		732	135.25	2.618479	0.054552	0
GFL009 13+75E	DIRT	Niton	XL3t	7/29/2012	60	0		0		0		62	18.04	0		0		307	104.63	2.75026	0.05675	0
GFL009 14+00E	DIRT	Niton	XL3t	7/29/2012	60	0		0		23.78	10.62	141	24.22	0		0		607	125.24	2.508016	0.053358	0
GFL009 14+25E	DIRT	Niton	XL3t	7/29/2012	60	0		49.67	27.97	31.27	11.7	344	36.69	0		0		1619	192.74	4.064723	0.069632	18.77
GFL009 14+75E	DIRT	Niton	XL3t	7/29/2012	60	0		0		15.82	9.91	55	17.51	0		0		383	108.34	2.551689	0.053556	0
GFL009 15+00E	DIRT	Niton	XL3t	7/29/2012	60	0		0		26.11	10.67	197	27.85	0		0		864	142.77	2.590069	0.054176	0
GFL009 15+25E	DIRT	Niton	XL3t	7/29/2012	60	0		60.44	29.16	57.04	14.29	132	24.75	0		0		1466	186.3	3.88899	0.068798	0
GFL009 15+50E	DIRT	Niton	XL3t	7/29/2012	60	0		45.36	26.41	19.96	10.16	100	21.35	0		0		232	96.74	2.812782	0.056249	0
GFL009 15+75E	DIRT	Niton	XL3t	7/29/2012	60	0		0		18.73	10.02	160	25.13	0		0		398	110.62	2.807191	0.0559	0
GFL009 16+00E	DIRT	Niton	XL3t	7/29/2012	60	0		0		14.58	9.51	129	23.55	0		0		348	106.18	2.560328	0.054012	0
GFL009 16+25E	DIRT	Niton	XL3t	7/29/2012	60	0		0		19.32	9.94	118	22.27	0		0		736	133.49	2.382615	0.051687	0
GFL009 16+50E	DIRT	Niton	XL3t	7/29/2012	60	0		0		35.11	11.82	154	25.36	0		0		1256	167.96	2.913003	0.058195	0
GFL009 16+75E	DIRT	Niton	XL3t	7/29/2012	60	0		0		24.01	10.7	92	20.42	0		0		388	109.38	2.538479	0.053449	0
GFL009 17+00E	DIRT	Niton	XL3t	7/29/2012	60	0		0		18.34	10.13	146	24.84	0		0		745	135.54	2.445481	0.052865	0
GFL009 17+25E	DIRT	Niton	XL3t	7/29/2012	60	0		0		18.41	9.99	120	22.46	0		0		502	115.49	2.357008	0.051059	0
GFL009 17+50E	DIRT	Niton	XL3t	7/29/2012	60	0		0		25.91	10.81	111	21.93	0		0		815	139.33	2.585297	0.054295	0
GFL009 17+75E	DIRT	Niton	XL3t	7/29/2012	60	0		0		17.98	10.14	81	20.12	0		0		486	118.88	2.620315	0.054974	0
GFL009 18+00E	DIRT	Niton	XL3t	7/29/2012	60	0		0		0		59	17.56	0		0		340	104.91	2.602342	0.053724	17.29
GFL009 18+25E	DIRT	Niton	XL3t	7/29/2012	60	0		0		22.14	11.12	67	19.79	0		0		356	113.79	2.498957	0.056787	0
GFL009 18+50E	DIRT	Niton	XL3t	7/29/2012	60	0		0		18.42	10.12	66	18.43	0		0		298	102.51	2.405458	0.05228	0
GFL009 18+75E	DIRT	Niton	XL3t	7/29/2012	60	0		0		0		130	23.36	0		0		457	114.63	2.618206	0.053958	0
GFL009 19+00E	DIRT	Niton	XL3t	7/29/2012	60	0		0		19.56	10.2	144	24.14	0		0		626	124.21	2.199066	0.049294	0
GFL009 19+50E	DIRT	Niton	XL3t	7/29/2012	60	0		0		20.33	10.03	93	20.47	0		0		377	106.55	2.458314	0.052215	0
GFL009 19+75E	DIRT	Niton	XL3t	7/29/2012	60	0		0		20.19	10.13	68	18.12	0		0		282	96.1	2.133457	0.048363	0
GFL009 20+00E	DIRT	Niton	XL3t	7/29/2012	60	0		0		0		106	21.04	0		0		366	105.32	2.472624	0.052102	0
GFL009 20+25E	DIRT	Niton	XL3t	7/29/2012	60	0		0		21.28	10.36	145	24.45	0		0		704	131.3	2.613663	0.054227	0
GFL009 20+50E	DIRT	Niton	XL3t	7/29/2012	60	0		0		19.95	10.27	92	20.67	0		0		407	109.58	2.387285	0.051565	0
GFL009 20+75E	DIRT	Niton	XL3t	7/29/2012	60	0		0		0		183	26.49	0		0		695	130.57	2.306406	0.050639	0
GFL009 21+00E	DIRT	Niton	XL3t	7/29/2012	60	0		0		0		125	23.05	0		0		624	125.68	2.481293	0.052505	0
GFL009 21+25E	DIRT	Niton	XL3t	7/29/2012	60	0		0		23.39	10.78	130	23.92	0		0		698	133.76	2.589579	0.054684	0
GFL009 21+50E	DIRT	Niton	XL3t	7/29/2012	60	0		41.67	26.03	16.56	9.87	74	19.26	0		0		429	112.16	2.407313	0.052124	0

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
GFL009 21+75E	DIRT	Niton	XL3t	7/29/2012	60	0		0		19.3	10.21	117	22.11	0		0		971	148.41	2.340872	0.051349	0
GFL009 22+00E	DIRT	Niton	XL3t	7/29/2012	60	0		0		21.23	10.23	92	20.43	0		0		357	105.88	2.584283	0.053299	0
GFL009 22+25E	DIRT	Niton	XL3t	7/29/2012	60	0		0		15.3	9.39	49	16.46	0		0		344	100.55	1.778854	0.043913	0
GFL009 22+50E	DIRT	Niton	XL3t	7/29/2012	60	0		0		0		65	17.66	0		0		234	90.86	1.86888	0.045152	0
GFL009 22+75E	DIRT	Niton	XL3t	7/29/2012	60	0		0		38.27	12.31	139	24.68	0		0		271	107.44	3.59928	0.064925	0
GFL009 23+00E	DIRT	Niton	XL3t	7/29/2012	60	0		0		23.4	10.73	230	29.87	0		0		467	119.9	3.124723	0.060075	0
GFL009 23+25E	DIRT	Niton	XL3t	7/29/2012	60	0		0		21.1	10.19	143	24.15	0		0		392	109.48	2.604942	0.05393	0
GFL009 23+50E	DIRT	Niton	XL3t	7/29/2012	60	0		0		0		76	18.82	0		0		585	119.39	2.067835	0.047413	0
GFL009 23+75E	DIRT	Niton	XL3t	7/29/2012	60	0		0		17.7	10.12	42	15.89	0		0		230	93.74	2.091558	0.048478	0
GFL009 24+00E	DIRT	Niton	XL3t	7/29/2012	60	0		0		0		123	22.84	0		0		450	112.78	2.34792	0.051288	0
GFL009 24+25E	DIRT	Niton	XL3t	7/29/2012	60	0		39.12	25.63	19.14	10.29	116	22.63	0		0		505	118.99	2.431493	0.052379	0
GFL009 24+50E	DIRT	Niton	XL3t	7/29/2012	60	0		0		23.24	10.54	137	24.07	0		0		491	117.33	2.457938	0.052787	0
GFL009 24+75E	DIRT	Niton	XL3t	7/29/2012	60	0		0		0		131	22.63	0		0		728	130.57	2.292941	0.049869	12.61
GFL009 25+00E	DIRT	Niton	XL3t	7/29/2012	60	0		0		0		89	20.08	0		0		361	106.23	2.482441	0.052651	13.66
GFL009 25+25E	DIRT	Niton	XL3t	7/29/2012	60	0		40.22	26.02	0		84	19.79	0		0		411	110.08	2.280063	0.050871	0
GFL009 25+50E	DIRT	Niton	XL3t	7/29/2012	60	0		0		19.88	10.33	175	26.38	0		0		496	117.82	2.611314	0.054567	0
GFL009 25+75E	DIRT	Niton	XL3t	7/29/2012	60	0		0		18.26	10	154	25.03	0		0		824	141.01	2.711719	0.055457	0
GFL009 26+00E	DIRT	Niton	XL3t	7/29/2012	60	0		0		0		102	21.27	0		0		627	128.01	2.49753	0.053389	0
GFL009 26+25E	DIRT	Niton	XL3t	7/29/2012	60	0		39.95	25.74	29.2	10.99	98	20.69	0		0		498	116.87	2.42534	0.052115	0
GFL009 26+50E	DIRT	Niton	XL3t	7/29/2012	60	0		0		24.31	11.95	88	23.41	0		0		487	130.97	2.143039	0.055413	0
GFL009 26+75E	DIRT	Niton	XL3t	7/29/2012	60	0		0		16.28	10.03	59	17.45	0		0		391	107.57	2.291022	0.050781	15.19
GFL009 27+00E	DIRT	Niton	XL3t	7/29/2012	60	0		0		0		81	19.38	0		0		372	106.86	2.33988	0.051058	21.79
GFL009 27+25E	DIRT	Niton	XL3t	7/29/2012	60	0		0		0		177	27.22	0		0		935	150.34	2.591829	0.055342	0
GFL009 27+50E	DIRT	Niton	XL3t	7/29/2012	60	0		0		20.45	10.22	191	26.95	0		0		706	128.85	2.225831	0.049714	0
GFL009 27+75E	DIRT	Niton	XL3t	7/29/2012	60	0		0		21.23	10.32	191	27.69	0		0		538	120.24	2.38176	0.052003	0
GFL009 28+00E	DIRT	Niton	XL3t	7/29/2012	60	0		0		27.27	10.83	207	27.76	0		228.45	142.11	556	120.38	2.559687	0.053127	0
GFL009 28+25E	DIRT	Niton	XL3t	7/29/2012	60	0		0		22.17	10.67	161	25.78	0		216.5	141.73	403	110.71	2.448085	0.052969	0
GFL009 28+50E	DIRT	Niton	XL3t	7/29/2012	60	0		42.8	26.29	23.74	10.73	185	26.78	0		0		629	128.21	2.644035	0.054702	0
GFL009 28+75E	DIRT	Niton	XL3t	7/29/2012	60	0		40.01	26.21	20.32	10.28	178	26.64	0		0		650	128.26	2.5385	0.053696	0
GFL009 29+00E	DIRT	Niton	XL3t	7/29/2012	60	0		0		47.06	13.07	282	33.14	81.25	53.35	0		556	126.72	3.057539	0.060007	0
GFL009 29+25E	DIRT	Niton	XL3t	7/29/2012	60	0		56.4	27.26	24.21	10.79	156	25.13	0		0		297	103.77	2.863443	0.056863	0
GFL009 29+50E	DIRT	Niton	XL3t	7/29/2012	60	0		0		17.71	9.94	183	27.06	0		0		523	121.38	2.860447	0.057128	0
GFL009 29+75E	DIRT	Niton	XL3t	7/29/2012	60	0		0		19.94	10.44	244	30.74	0		0		599	127.27	2.662427	0.05554	0
GFL009 30+00E	DIRT	Niton	XL3t	7/29/2012	60	0		42.48	26.17	20.91	10.32	197	27.7	0		0		468	116.59	2.782983	0.056136	0
GFL009 30+25E	DIRT	Niton	XL3t	7/29/2012	60	0		0		0		189	26.83	0		0		669	127.65	2.136287	0.048699	0
GFL009 30+50E	DIRT	Niton	XL3t	7/29/2012	60	0		0		28.18	11.03	149	24.9	0		0		826	140	2.514134	0.053282	0
GFL009 30+75E	DIRT	Niton	XL3t	7/29/2012	60	0		0		25.84	10.96	159	25.67	0		0		838	143.89	2.598617	0.055178	0
GFL009 31+00E	DIRT	Niton	XL3t	7/29/2012	60	0		0		25.83	10.93	164	25.99	0		0		603	128.69	2.97329	0.058501	0
GFL009 31+25E	DIRT	Niton	XL3t	7/29/2012	60	0		0		18.55	10.4	92	20.93	0		0		439	117.45	2.870032	0.057841	0
GFL009 31+50E	DIRT	Niton	XL3t	7/29/2012	60	0		49.27	27.13	0		131	23.62	0		0		498	121.24	2.938397	0.058162	0
GFL009 31+75E	DIRT	Niton	XL3t	7/29/2012	60	0		0		27.27	11.13	140	24.42	0		0		436	114.54	2.683052	0.05516	0
GFL009 32+00E	DIRT	Niton	XL3t	7/29/2012	60	0		0		28.88	11.29	180	27.26	0		0		382	112.38	2.90544	0.057889	0
GFL009 32+25E	DIRT	Niton	XL3t	7/29/2012	60	0		0		27.66	10.99	137	23.94	0		0		702	132.26	2.557869	0.053986	0
GFL009 32+50E	DIRT	Niton	XL3t	7/29/2012	60	0		0		18.07	9.97	122	22.96	0		0		837	139.9	2.413776	0.052155	0
GFL009 32+75E	DIRT	Niton	XL3t	7/29/2012	60	0		0		19.07	10.1	147	24.49	0		0		370	106.17	2.433416	0.051939	0

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
GFL009 33+00E	DIRT	Niton	XL3t	7/29/2012	60	0		0		23.65	10.53	148	24.18	0		0		648	128.1	2.735129	0.054887	0
GFL009 33+25E	DIRT	Niton	XL3t	7/29/2012	60	0		0		19.62	10.18	177	26.37	0		0		904	144.05	2.485268	0.052678	0
GFL009 33+50E	DIRT	Niton	XL3t	7/29/2012	60	0		0		20.05	10.15	159	25.46	0		0		1073	153.8	2.388703	0.051982	0
GFL009 33+75E	DIRT	Niton	XL3t	7/29/2012	60	0		0		29.56	11.11	242	30.14	0		0		946	146.54	2.549985	0.053686	0
GFL009 34+00E	DIRT	Niton	XL3t	7/29/2012	60	0		0		20.67	10.44	189	27.23	0		0		1295	167.33	2.562446	0.053983	0
GFL009 34+25E	DIRT	Niton	XL3t	7/29/2012	60	0		0		19.25	10.09	206	28.33	0		0		654	129.36	2.596822	0.05402	0
GFL009 34+50E	DIRT	Niton	XL3t	7/29/2012	60	0		0		0		93	21.07	0		0		346	106.05	2.394028	0.052298	0
GFL009 34+75E	DIRT	Niton	XL3t	7/29/2012	60	0		0		21.9	10.57	200	28.11	0		0		801	140.8	3.081776	0.059357	0
GFL009 35+00E	DIRT	Niton	XL3t	7/29/2012	60	0		42.11	26.78	29.38	11.39	182	27.15	0		0		520	123.27	2.920204	0.058188	0
GFL009 35+25E	DIRT	Niton	XL3t	7/29/2012	60	0		0		24.31	10.88	119	22.86	107.45	54.79	0		414	114.31	2.718857	0.05628	0
GFL009 35+50E	DIRT	Niton	XL3t	7/29/2012	60	0		41.18	26.6	18.32	10.22	106	22.03	0		0		442	116.32	2.743136	0.056285	14.84
GFL009 35+75E	DIRT	Niton	XL3t	7/29/2012	60	0		0		0		128	22.96	0		0		374	107.47	2.288835	0.050774	0
GFL009 36+00E	DIRT	Niton	XL3t	7/29/2012	60	0		0		17.94	10.06	102	21.54	0		0		435	115.73	2.900172	0.057505	0
GFL009 36+25E	DIRT	Niton	XL3t	7/29/2012	60	0		40.81	26.12	16.38	9.58	125	23.37	0		0		343	109.28	3.295282	0.061253	0
GFL009 36+50E	DIRT	Niton	XL3t	7/29/2012	60	0		0		31.48	11.28	85	19.7	0		0		294	100.75	2.55845	0.053399	0
GFL009 36+75E	DIRT	Niton	XL3t	7/29/2012	60	0		0		22.31	10.64	170	26.55	0		301.5	159.59	307	106.85	3.039669	0.059433	0
GFL009 37+00E	DIRT	Niton	XL3t	7/29/2012	60	0		0		18.15	10.13	150	24.92	0		0		540	121.63	2.800963	0.056515	0
GFL009 37+25E	DIRT	Niton	XL3t	7/29/2012	60	0		44.85	26.06	20.01	10.18	129	23.54	0		0		477	115.78	2.318327	0.050855	0
GFL009 37+50E	DIRT	Niton	XL3t	7/29/2012	60	0		0		30.29	11.26	149	24.85	0		0		705	133.74	2.791759	0.056398	0
GFL009 37+75E	DIRT	Niton	XL3t	7/29/2012	60	0		0		0		70	18.37	0		0		423	109.73	2.125209	0.048339	0
GFL009 38+00E	DIRT	Niton	XL3t	7/29/2012	60	0		39.12	25.97	22.24	10.42	115	22.12	0		0		756	135.68	2.253456	0.050589	0
GFL009 38+25E	DIRT	Niton	XL3t	7/29/2012	60	0		0		16.21	9.74	131	23.53	0		0		1221	160.61	2.438581	0.052145	0
GFL009 38+50E	DIRT	Niton	XL3t	7/29/2012	60	0		0		23.23	10.68	129	23.16	0		0		811	138.2	2.482178	0.052743	0
GFL009 38+75E	DIRT	Niton	XL3t	7/29/2012	52	0		44.2	25.9	18.18	9.81	133	23.64	0		0		1022	150.07	2.574827	0.053493	0
GFL009 39+00E	DIRT	Niton	XL3t	7/30/2012	60	0		0		0		99	21.32	0		0		717	135.07	2.819058	0.057008	0
GFL009 39+25E	DIRT	Niton	XL3t	7/30/2012	60	0		0		25.24	10.79	163	25.84	0		0		543	121.93	2.509271	0.053835	0
GFL009 39+50E	DIRT	Niton	XL3t	7/30/2012	60	0		0		15.78	9.63	160	25.32	0		0		544	119.72	2.330448	0.051183	0
GFL009 39+75E	DIRT	Niton	XL3t	7/30/2012	60	0		0		15.92	10.08	144	24.29	0		0		774	135.37	2.204012	0.050091	0
GFL009 40+00E	DIRT	Niton	XL3t	7/30/2012	60	0		0		27.24	10.86	144	24.15	0		0		730	131.9	2.265697	0.050356	0
GFL009 40+25E	DIRT	Niton	XL3t	7/30/2012	60	0		0		0		187	27.42	0		0		822	141.36	2.370901	0.052332	0
GFL009 40+50E	DIRT	Niton	XL3t	7/30/2012	60	0		0		18.95	10.07	178	26.48	0		0		620	125.61	2.413096	0.052091	0
GFL009 40+75E	DIRT	Niton	XL3t	7/30/2012	60	0		0		0		86	20.91	0		0		812	142.12	1.997999	0.049439	0
GFL009 41+00E	DIRT	Niton	XL3t	7/30/2012	60	0		0		22.83	10.43	110	21.94	0		0		1231	161.88	2.107654	0.0489	0
GFL009 41+25E	DIRT	Niton	XL3t	7/30/2012	60	0		0		17.67	9.82	114	22.25	0		0		414	108.12	1.922113	0.046402	0
GFL009 41+50E	DIRT	Niton	XL3t	7/30/2012	60	0		0		0		156	25.5	0		0		536	120.72	2.451032	0.052694	13.84
GFL009 41+75E	DIRT	Niton	XL3t	7/30/2012	60	0		0		22.02	10.38	123	23.16	0		0		494	116.96	2.125437	0.049109	0
GFL009 42+00E	DIRT	Niton	XL3t	7/30/2012	60	0		0		22.43	10.77	178	26.97	0		0		401	111.58	2.511392	0.053495	0
GFL009 42+25E	DIRT	Niton	XL3t	7/30/2012	60	0		0		17.72	9.84	180	26.63	0		0		533	119.91	2.234346	0.050267	0
GFL009 42+50E	DIRT	Niton	XL3t	7/30/2012	60	0		0		16.74	10.04	186	27.44	0		0		790	138.47	2.369061	0.052198	0
GFL009 42+75E	DIRT	Niton	XL3t	7/30/2012	60	0		0		15.73	9.78	179	26.82	0		0		385	108.92	2.350286	0.05179	0
GFL009 43+00E	DIRT	Niton	XL3t	7/30/2012	60	0		0		15.78	10.02	165	26.04	0		0		1552	182.38	2.262007	0.051493	0
GFL009 43+25E	DIRT	Niton	XL3t	7/30/2012	60	0		0		17.15	9.82	142	24.42	0		0		445	113.17	2.513028	0.053129	0
GFL009 43+50E	DIRT	Niton	XL3t	7/30/2012	60	0		0		17.75	10.2	135	24.32	0		0		989	152.2	2.512129	0.054419	0
GFL009 43+75E	DIRT	Niton	XL3t	7/30/2012	60	0		0		18.81	10.15	216	28.96	0		0		1306	169.12	2.670852	0.055334	0
GFL009 44+00E	DIRT	Niton	XL3t	7/30/2012	60	0		0		23.35	10.55	55	17.07	0		0		287	94.99	1.588776	0.041768	0

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
GFL009 44+25E	DIRT	Niton	XL3t	7/30/2012	60	0		0		26.88	11.1	153	25.35	0		0		733	136.5	2.696473	0.055899	0
GFL009 44+50E	DIRT	Niton	XL3t	7/30/2012	60	0		0		18.49	10.17	178	26.44	0		0		856	141.04	2.145532	0.049372	0
GFL009 44+75E	DIRT	Niton	XL3t	7/30/2012	60	0		0		23.7	10.67	86	20.17	0		0		566	123.67	2.37172	0.052055	0
GFL009 45+00E	DIRT	Niton	XL3t	7/30/2012	60	0		0		0		79	18.85	0		0		201	89.62	1.976371	0.046586	0
GFL009 45+25E	DIRT	Niton	XL3t	7/30/2012	60	0		0		19.93	10.29	142	24.24	0		0		376	107.7	2.501537	0.053144	0
GFL009 45+50E	DIRT	Niton	XL3t	7/30/2012	60	0		0		22.36	10.38	124	22.62	0		0		368	106.83	2.406834	0.051656	0
GFL009 45+75E	DIRT	Niton	XL3t	7/30/2012	60	0		44.75	27.27	20.18	10.56	85	20.39	0		0		459	118.31	2.39086	0.053382	0
GFL009 46+00E	DIRT	Niton	XL3t	7/30/2012	60	0		0		21.61	10.61	75	19.53	0		0		411	111.58	2.621377	0.054696	0
GFL009 46+25E	DIRT	Niton	XL3t	7/30/2012	60	0		47.04	27.03	18.36	10.33	111	22.22	0		0		554	123.57	2.478529	0.053612	0
GFL009 46+75E	DIRT	Niton	XL3t	7/30/2012	60	0		0		78.5	30.4	124	49.82	0		0		0		2.559277	0.106087	0
GFL009 47+00E	DIRT	Niton	XL3t	7/30/2012	60	12	5.79	0		50.72	13.99	63	19.51	0		0		0		1.188478	0.039045	0
GFL009 47+25E	DIRT	Niton	XL3t	7/30/2012	60	21	6.2	0		32.81	12.59	65	19.9	0		0		0		0.988224	0.036891	0
GFL009 47+50E	DIRT	Niton	XL3t	7/30/2012	60	21	6.76	91.59	37.84	999.3	54.71	401	44.92	0		0		156	97.13	1.534278	0.048662	126.13
GFL009 48+00E	DIRT	Niton	XL3t	7/30/2012	60	17	6.33	101.98	36.57	72.3	16.64	106	25.26	0		0		0		1.346804	0.044241	0
GFL010 00+00E	DIRT	Niton	XL3t	7/30/2012	60	0		0		16.8	10.32	81	19.89	0		0		647	131.56	2.817498	0.057285	0
GFL010 00+25E	DIRT	Niton	XL3t	7/30/2012	60	0		0		19.19	10.34	57	17.6	0		0		411	110.36	2.278458	0.050981	0
GFL010 00+50E	DIRT	Niton	XL3t	7/30/2012	60	0		0		28.88	11.41	192	28.08	0		0		2046	209.56	3.227607	0.062061	0
GFL010 00+75E	DIRT	Niton	XL3t	7/30/2012	60	0		53.28	27.34	31.24	11.58	69	18.63	0		0		1274	167.51	2.412422	0.052697	0
GFL010 01+75E	DIRT	Niton	XL3t	7/30/2012	60	0		0		38.88	12.81	139	25.32	0		0		1647	194.74	3.023947	0.061354	0
GFL010 02+25E	DIRT	Niton	XL3t	7/30/2012	60	0		0		35.92	12.07	202	28.54	0		0		852	146.45	3.189955	0.061099	0
GFL010 02+75E	DIRT	Niton	XL3t	7/30/2012	60	0		0		16.24	9.87	84	19.79	0		0		698	129.88	2.128046	0.048862	0
GFL010 03+00E	DIRT	Niton	XL3t	7/30/2012	60	0		0		15.8	9.96	58	17.67	0		0		252	96.26	2.115565	0.048759	0
GFL010 04+00E	DIRT	Niton	XL3t	7/30/2012	60	0		0		19.74	10.35	97	20.95	0		0		356	105.78	2.313904	0.050904	0
GFL010 04+25E	DIRT	Niton	XL3t	7/30/2012	60	0		0		17.89	10.05	92	20.29	0		0		453	112.94	2.430987	0.051871	0
GFL010 04+50E	DIRT	Niton	XL3t	7/30/2012	60	0		0		29.51	11.31	127	23.52	0		0		1211	165.17	2.764428	0.056695	0
GFL010 04+75E	DIRT	Niton	XL3t	7/30/2012	60	0		0		18.5	10.51	128	23.66	0		0		1026	155.07	2.676484	0.055963	0
GFL010 05+00E	DIRT	Niton	XL3t	7/30/2012	60	0		0		17.56	10.02	130	23.28	0		0		1061	152.31	2.099428	0.048601	0
GFL010 05+25E	DIRT	Niton	XL3t	7/30/2012	60	0		0		24.16	10.76	86	20.35	0		0		575	123.69	2.451337	0.052778	0
GFL010 05+50E	DIRT	Niton	XL3t	7/30/2012	60	0		54.85	28.52	19.7	10.7	144	25.37	0		0		1074	161.24	2.651254	0.056732	0
GFL010 05+75E	DIRT	Niton	XL3t	7/30/2012	60	0		0		27.49	10.91	136	23.72	0		0		1114	156.02	2.495728	0.052864	0
GFL010 06+00E	DIRT	Niton	XL3t	7/30/2012	60	0		0		28.42	11.31	165	26.39	0		0		1690	192.03	3.08893	0.060455	0
GFL010 06+25E	DIRT	Niton	XL3t	7/30/2012	60	0		0		18.5	10.16	96	20.84	0		0		1005	148.47	2.336933	0.050916	0
GFL010 06+50E	DIRT	Niton	XL3t	7/30/2012	60	0		0		26.72	10.56	93	19.74	0		0		855	136.37	2.027078	0.046755	0
GFL010 06+75E	DIRT	Niton	XL3t	7/30/2012	60	0		0		16.15	9.68	67	18.39	0		0		430	111.86	2.439761	0.052174	0
GFL010 07+00E	DIRT	Niton	XL3t	7/30/2012	60	0		0		18.02	10.12	61	17.55	0		0		455	112.46	2.175123	0.0491	0
GFL010 07+25E	DIRT	Niton	XL3t	7/30/2012	60	0		0		23.36	10.56	77	19.42	0		0		1113	156.2	2.492657	0.05298	0
GFL010 07+50E	DIRT	Niton	XL3t	7/30/2012	60	0		0		19.88	10.24	65	18.28	0		0		457	112.16	2.064687	0.048194	0
GFL010 07+75E	DIRT	Niton	XL3t	7/30/2012	60	0		57.61	27.95	42.33	12.5	83	20.33	0		0		603	128.23	2.652592	0.055462	0
GFL010 08+00E	DIRT	Niton	XL3t	7/30/2012	60	0		0		29.77	11.59	129	23.59	0		0		444	118.97	3.18827	0.061128	0
GFL010 08+25E	DIRT	Niton	XL3t	7/30/2012	60	0		0		15.13	9.66	72	18.89	0		0		422	109.54	2.068992	0.048222	0
GFL010 08+50E	DIRT	Niton	XL3t	7/30/2012	60	0		51.97	27.59	26.56	11.22	118	23.19	0		0		427	116.54	2.892988	0.05819	0
GFL010 08+75E	DIRT	Niton	XL3t	7/30/2012	60	0		0		20.9	10.43	143	24.06	0		0		925	145.03	2.233673	0.050288	0
GFL010 09+00E	DIRT	Niton	XL3t	7/30/2012	60	0		0		31.74	11.62	114	22.51	91	53.1	0		299	107.99	3.510514	0.06381	0
GFL010 09+25E	DIRT	Niton	XL3t	7/30/2012	60	0		0		28.3	11.18	137	24.21	0		0		3494	261.02	2.62062	0.055465	0
GFL010 09+50E	DIRT	Niton	XL3t	7/30/2012	60	0		0		18.17	10.07	139	23.9	0		0		1831	193.08	2.623108	0.054589	0

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
GFL010 09+75E	DIRT	Niton	XL3t	7/30/2012	60	0		0		0		98	20.86	0		0		951	143.23	1.540732	0.041813	0
GFL010 10+00E	DIRT	Niton	XL3t	7/30/2012	60	0		0		0		157	24.97	0		0		593	124.31	2.459408	0.052684	0
GFL010 10+25E	DIRT	Niton	XL3t	7/30/2012	60	0		0		25.19	10.73	118	22.81	0		0		1267	166.76	2.779087	0.056347	0
GFL010 10+50E	DIRT	Niton	XL3t	7/30/2012	60	0		0		19.42	10.28	140	24.36	0		0		1650	184.33	2.178972	0.049955	0
GFL010 10+75E	DIRT	Niton	XL3t	7/30/2012	60	0		0		18.62	10	156	25.09	0		0		899	144.22	2.319138	0.051474	0
GFL010 11+00E	DIRT	Niton	XL3t	7/30/2012	60	0		0		20.52	10.18	111	21.61	0		0		240	94.88	2.210913	0.049607	0
GFL010 11+25E	DIRT	Niton	XL3t	7/30/2012	60	0		0		26.13	10.89	174	26.72	0		0		1002	151.95	2.692308	0.055592	0
GFL010 11+50E	DIRT	Niton	XL3t	7/30/2012	60	0		0		19.33	9.79	81	19	0		0		408	105.96	1.900861	0.045232	0
GFL010 11+75E	DIRT	Niton	XL3t	7/30/2012	60	0		0		20.83	10.02	58	17.29	0		0		479	110.59	1.860895	0.044933	0
GFL010 12+00E	DIRT	Niton	XL3t	7/30/2012	60	0		0		21.04	10.3	129	23.43	0		0		636	128.53	2.748726	0.055597	0
GFL010 12+25E	DIRT	Niton	XL3t	7/30/2012	60	0		0		24.14	10.5	102	21.44	0		0		830	137.4	2.051114	0.047873	0
GFL010 12+50E	DIRT	Niton	XL3t	7/30/2012	60	0		0		19.22	9.87	114	22.33	0		0		333	103.59	2.503182	0.052811	0
GFL010 12+75E	DIRT	Niton	XL3t	7/30/2012	60	0		0		0		46	15.72	0		0		473	105.44	1.127895	0.034332	0
GFL010 13+00E	DIRT	Niton	XL3t	7/30/2012	60	0		0		0		70	18.57	0		0		196	87.79	1.856383	0.044855	0
GFL010 13+25E	DIRT	Niton	XL3t	7/30/2012	60	0		0		22.51	10.55	100	20.99	0		0		281	97.8	2.288555	0.050405	0
GFL010 13+50E	DIRT	Niton	XL3t	7/30/2012	60	0		0		16.64	9.47	52	16.43	0		0		220	86.85	1.557633	0.04078	0
GFL010 13+75E	DIRT	Niton	XL3t	7/30/2012	60	0		0		22.2	10.22	67	17.56	0		0		505	111.4	1.675375	0.042263	0
GFL010 14+00E	DIRT	Niton	XL3t	7/30/2012	60	0		0		16.13	9.63	50	16.43	0		0		964	142.07	1.508862	0.040532	0
GFL010 14+25E	DIRT	Niton	XL3t	7/30/2012	60	0		0		21.35	10.39	108	21.55	0		0		457	113.32	2.564285	0.053421	0
GFL010 14+50E	DIRT	Niton	XL3t	7/30/2012	60	0		0		0		107	21.48	0		0		546	119.99	2.355747	0.051023	0
GFL010 14+75E	DIRT	Niton	XL3t	7/30/2012	60	0		0		0		109	21.03	0		0		410	106.88	2.168608	0.048485	0
GFL010 15+00E	DIRT	Niton	XL3t	7/30/2012	60	0		0		0		102	20.92	0		0		437	110.13	2.23901	0.049758	0
GFL010 15+25E	DIRT	Niton	XL3t	7/30/2012	60	0		0		24.08	10.79	137	23.95	0		0		1760	188.82	2.103143	0.048929	0
GFL010 15+50E	DIRT	Niton	XL3t	7/30/2012	60	0		41.95	25.56	30.77	11.09	138	23.67	0		0		347	103.78	2.461847	0.051935	0
GFL010 15+75E	DIRT	Niton	XL3t	7/31/2012	60	0		0		16.13	9.88	102	21.43	0		0		571	124.43	2.555164	0.054056	0
GFL010 16+00E	DIRT	Niton	XL3t	7/31/2012	60	0		0		24.58	10.95	116	22.8	0		0		660	130.59	2.337505	0.052072	0
GFL010 16+25E	DIRT	Niton	XL3t	7/31/2012	60	0		0		26.66	10.86	101	21.1	0		213	140.38	279	98.51	2.449639	0.05249	0
GFL010 16+50E	DIRT	Niton	XL3t	7/31/2012	60	0		0		19.01	10.14	65	17.86	0		0		632	121.7	1.777335	0.044162	0
GFL010 16+75E	DIRT	Niton	XL3t	7/31/2012	60	0		0		23.63	10.47	85	19.9	0		0		782	132.64	1.778715	0.044363	0
GFL010 17+00E	DIRT	Niton	XL3t	7/31/2012	60	0		0		0		52	16.34	0		0		189	84.19	1.494904	0.039761	0
GFL010 17+25E	DIRT	Niton	XL3t	7/31/2012	60	0		0		0		87	19.63	0		0		288	95.89	1.740946	0.043699	0
GFL010 17+50E	DIRT	Niton	XL3t	7/31/2012	60	0		0		0		112	21.79	0		0		508	116.85	1.973954	0.047086	0
GFL010 17+75E	DIRT	Niton	XL3t	7/31/2012	60	0		0		16.33	9.83	77	19.44	0		0		372	107.86	2.47703	0.052692	0
GFL010 18+00E	DIRT	Niton	XL3t	7/31/2012	60	0		0		0		48	16.46	0		0		282	93.49	1.651749	0.042456	13.28
GFL010 18+25E	DIRT	Niton	XL3t	7/31/2012	60	0		0		0		64	17.34	0		0		283	91.06	1.403595	0.038466	0
GFL010 18+50E	DIRT	Niton	XL3t	7/31/2012	60	0		0		16.25	9.7	95	20.37	0		0		421	108.19	2.016837	0.047038	0
GFL010 18+75E	DIRT	Niton	XL3t	7/31/2012	60	0		0		0		96	20.81	0		0		703	129.42	1.992452	0.047226	0
GFL010 19+00E	DIRT	Niton	XL3t	7/31/2012	60	0		0		0		80	19.25	0		0		816	133.71	1.607659	0.042011	0
GFL010 19+25E	DIRT	Niton	XL3t	7/31/2012	60	0		0		0		107	21.31	0		0		419	107.84	1.946745	0.046155	0
GFL010 19+50E	DIRT	Niton	XL3t	7/31/2012	60	0		0		0		55	17.01	0		0		456	110.24	1.86021	0.045451	0
GFL010 19+75E	DIRT	Niton	XL3t	7/31/2012	60	0		0		0		64	17.24	0		0		565	114.89	1.368842	0.038675	0
GFL010 20+00E	DIRT	Niton	XL3t	7/31/2012	60	0		0		24.92	10.86	113	22.72	0		0		713	134.08	2.32231	0.05215	0
GFL010 20+25E	DIRT	Niton	XL3t	7/31/2012	60	0		0		0		61	16.81	0		0		191	81.49	1.194051	0.03521	0
GFL010 20+50E	DIRT	Niton	XL3t	7/31/2012	60	0		0		0		58	17.16	0		0		338	97.99	1.444843	0.039515	0
GFL010 20+75E	DIRT	Niton	XL3t	7/31/2012	60	0		0		16.39	9.69	106	21.42	0		0		686	126.77	2.037237	0.047261	0

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
GFL010 21+00E	DIRT	Niton	XL3t	7/31/2012	60	0		0		20.22	10.43	95	21.27	0		0		675	131.51	2.485519	0.053551	0
GFL010 21+25E	DIRT	Niton	XL3t	7/31/2012	60	0		0		0		172	25.77	0		0		709	129.89	2.568627	0.053326	13.5
GFL010 21+50E	DIRT	Niton	XL3t	7/31/2012	60	0		0		17.61	9.8	59	17.35	0		0		237	91.38	1.692163	0.043147	0
GFL010 21+75E	DIRT	Niton	XL3t	7/31/2012	60	0		0		14.58	9.49	126	22.07	0		0		450	106.8	1.514347	0.040331	0
GFL010 22+00E	DIRT	Niton	XL3t	7/31/2012	60	0		0		0		98	20.65	0		0		1323	164.12	1.809663	0.044835	0
GFL010 22+25E	DIRT	Niton	XL3t	7/31/2012	60	0		0		38.22	12	109	21.87	0		0		833	139.36	2.069117	0.048522	0
GFL010 22+50E	DIRT	Niton	XL3t	7/31/2012	60	0		0		17.7	10.1	85	20.11	0		0		551	119.28	2.049806	0.048266	0
GFL010 22+75E	DIRT	Niton	XL3t	7/31/2012	60	0		0		18.83	9.94	80	19.01	0		0		484	110.46	1.642814	0.042242	0
GFL010 23+00E	DIRT	Niton	XL3t	7/31/2012	60	0		40	26.19	29.59	11.4	139	24.24	0		0		676	133.39	2.823899	0.056841	0
GFL010 23+25E	DIRT	Niton	XL3t	7/31/2012	60	0		0		17.15	10.22	104	21.62	0		0		749	134.44	1.925341	0.047286	0
GFL010 23+50E	DIRT	Niton	XL3t	7/31/2012	60	0		0		15.68	9.68	83	19.46	0		0		233	89.51	1.511993	0.040972	0
GFL010 23+75E	DIRT	Niton	XL3t	7/31/2012	60	0		0		0		98	20.76	0		0		495	115.22	2.13057	0.048522	0
GFL010 24+00E	DIRT	Niton	XL3t	7/31/2012	60	0		0		0		134	23.39	0		0		333	101.42	2.05409	0.047559	19.02
GFL010 24+25E	DIRT	Niton	XL3t	7/31/2012	60	0		0		24.45	10.96	146	24.72	0		0		1035	155.17	2.689804	0.055767	0
GFL010 24+50E	DIRT	Niton	XL3t	7/31/2012	60	0		41	26.52	27.36	11.04	140	24.58	0		0		951	151.27	2.80804	0.056996	0
GFL010 24+75E	DIRT	Niton	XL3t	7/31/2012	60	0		0		21.98	10.37	114	22.56	0		0		563	120.79	2.027151	0.048054	0
GFL010 25+00E	DIRT	Niton	XL3t	7/31/2012	60	0		0		16.2	9.86	163	25.39	0		0		846	139.79	2.193599	0.049568	0
GFL010 25+25E	DIRT	Niton	XL3t	7/31/2012	60	0		0		20.69	10.37	197	27.88	0		0		882	143.73	2.306759	0.051418	0
GFL010 25+50E	DIRT	Niton	XL3t	7/31/2012	60	0		0		24.95	11.17	161	25.65	0		0		777	139.84	2.744567	0.056302	0
GFL010 25+75E	DIRT	Niton	XL3t	7/31/2012	60	0		0		24.63	11.01	106	21.93	0		0		1028	155.33	2.775094	0.056636	0
GFL010 26+00E	DIRT	Niton	XL3t	7/31/2012	60	0		0		24.98	10.89	119	22.36	0		0		757	136.08	2.696598	0.055133	0
GFL010 26+25E	DIRT	Niton	XL3t	7/31/2012	60	0		0		31.26	11.49	130	23.72	0		0		1048	156.9	2.850916	0.057453	0
GFL010 26+50E	DIRT	Niton	XL3t	7/31/2012	60	0		0		22.37	10.61	143	24.45	0		0		1173	163.42	2.827794	0.057004	0
GFL010 26+75E	DIRT	Niton	XL3t	7/31/2012	60	0		0		23.56	10.9	167	26.08	0		0		1049	156.02	2.70742	0.055945	0
GFL010 27+00E	DIRT	Niton	XL3t	7/31/2012	60	0		0		27.36	11.14	219	29.82	0		0		892	150.49	3.234622	0.06175	0
GFL010 27+25E	DIRT	Niton	XL3t	7/31/2012	60	0		0		19.53	10.66	128	24.25	0		0		1164	166.18	3.153163	0.061452	0
GFL010 27+50E	DIRT	Niton	XL3t	7/31/2012	60	0		0		16.23	9.86	125	22.79	0		0		601	126.51	2.901058	0.057064	0
GFL010 27+75E	DIRT	Niton	XL3t	7/31/2012	60	0		0		23.55	10.81	132	23.53	0		0		1040	153.97	2.686211	0.055308	0
GFL010 28+00E	DIRT	Niton	XL3t	7/31/2012	60	0		0		21.09	10.26	54	16.92	0		0		540	119.34	2.244303	0.049949	0
GFL010 28+25E	DIRT	Niton	XL3t	7/31/2012	60	0		0		0		159	25.14	0		0		506	115.83	2.478006	0.052083	0
GFL010 28+50E	DIRT	Niton	XL3t	7/31/2012	60	0		0		0		147	24.57	0		0		607	127.47	2.740885	0.055879	12.57
GFL010 28+75E	DIRT	Niton	XL3t	7/31/2012	60	0		0		0		46	16.36	0		0		417	110.59	1.986238	0.04791	0
GFL010 29+00E	DIRT	Niton	XL3t	7/31/2012	60	0		0		22.03	10.55	132	23.57	0		0		575	123.48	2.742244	0.055729	0
GFL010 29+25E	DIRT	Niton	XL3t	7/31/2012	60	0		42	26.52	19.44	10.32	158	25.55	0		0		1107	158.29	2.628774	0.054894	0
GFL010 29+50E	DIRT	Niton	XL3t	7/31/2012	60	0		0		0		145	24.44	0		0		989	149.43	2.460158	0.052579	13.82
GFL010 29+75E	DIRT	Niton	XL3t	7/31/2012	60	0		49	26.26	17.69	9.87	155	24.85	0		0		533	118.65	2.31157	0.050588	0
GFL010 30+00E	DIRT	Niton	XL3t	7/31/2012	60	0		0		22.8	10.6	178	27.18	0		0		753	137.51	2.591168	0.054772	0
GFL010 30+25E	DIRT	Niton	XL3t	7/31/2012	60	0		0		20.4	10.67	126	23.31	0		0		1134	162.14	2.972726	0.05892	0
GFL010 30+50E	DIRT	Niton	XL3t	7/31/2012	60	0		0		20.74	10.22	146	24.65	0		0		755	135.83	2.653384	0.054707	0
GFL010 30+75E	DIRT	Niton	XL3t	7/31/2012	60	0		0		0		127	23.29	0		0		1094	156.51	2.481751	0.053067	0
GFL010 31+00E	DIRT	Niton	XL3t	7/31/2012	60	0		0		0		99	21.45	0		0		382	111.87	2.461918	0.053852	0
GFL010 31+25E	DIRT	Niton	XL3t	7/31/2012	60	0		0		17.4	10.39	149	25.15	0		0		518	121.55	2.637328	0.055352	0
GFL010 31+50E	DIRT	Niton	XL3t	7/31/2012	60	0		0		21.85	10.55	230	30.29	0		0		755	138.12	2.540014	0.054488	0
GFL010 31+75E	DIRT	Niton	XL3t	7/31/2012	60	0		0		0		148	24.77	0		0		924	145.67	2.201493	0.050248	0
GFL010 32+00E	DIRT	Niton	XL3t	7/31/2012	60	0		47	26.28	0		153	24.69	0		0		297	101.67	2.459087	0.052588	0

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
GFL010 32+25E	DIRT	Niton	XL3t	7/31/2012	34	0		0		28.82	11.23	142	24.27	0		0		519	121.52	2.814561	0.056852	0
GFL010 32+50E	DIRT	Niton	XL3t	8/1/2012	60	0		0		0		80	19.72	0		219.52	133.28	671	130.46	2.108186	0.04947	0
GFL010 32+75E	DIRT	Niton	XL3t	8/1/2012	60	0		0		17.58	10.28	147	24.81	0		234.76	151.24	482	121.32	2.758538	0.056652	0
GFL010 33+00E	DIRT	Niton	XL3t	8/1/2012	60	0		41.21	26.85	19.87	10.53	140	24.77	0		0		1020	155.14	2.897194	0.058274	0
GFL010 33+25E	DIRT	Niton	XL3t	8/1/2012	60	0		0		17	10.08	72	18.62	0		240.86	136.08	352	106.91	2.203017	0.050377	0
GFL010 33+50E	DIRT	Niton	XL3t	8/1/2012	60	0		0		18.4	10.04	101	21.78	0		246.85	147.23	820	141.33	2.61197	0.054953	0
GFL010 33+75E	DIRT	Niton	XL3t	8/1/2012	60	0		0		0		112	22.11	0		0		852	141.93	2.323512	0.051304	0
GFL010 34+00E	DIRT	Niton	XL3t	8/1/2012	60	0		43.6	26.39	18.36	10.19	89	20.31	0		0		456	114.02	2.348033	0.051716	0
GFL010 34+25E	DIRT	Niton	XL3t	8/1/2012	60	0		0		0		118	21.97	0		0		717	129.42	2.119925	0.048536	0
GFL010 34+50E	DIRT	Niton	XL3t	8/1/2012	60	0		0		28.82	11.25	76	19.42	0		0		1504	178.2	2.420471	0.052823	0
GFL010 34+75E	DIRT	Niton	XL3t	8/1/2012	60	0		0		16.98	9.56	92	20.48	0		0		480	114.32	2.306925	0.050768	0
GFL010 35+00E	DIRT	Niton	XL3t	8/1/2012	60	0		0		17.55	10.19	80	19.77	0		0		650	127.92	2.461049	0.052492	0
GFL010 35+25E	DIRT	Niton	XL3t	8/1/2012	60	0		0		16.05	9.86	92	20.85	0		0		379	106.75	2.138813	0.049407	0
GFL010 35+50E	DIRT	Niton	XL3t	8/1/2012	60	0		0		19.73	10.11	84	20.08	0		0		655	128.49	2.368259	0.051929	0
GFL010 35+75E	DIRT	Niton	XL3t	8/1/2012	60	0		0		16.18	9.75	71	18.89	0		0		447	113.45	2.266736	0.050492	0
GFL010 36+00E	DIRT	Niton	XL3t	8/1/2012	60	0		0		17.84	9.8	82	19.69	0		0		462	111.72	2.0674	0.048187	0
GFL010 36+25E	DIRT	Niton	XL3t	8/1/2012	60	0		0		0		51	17	0		0		413	109.19	1.979103	0.047679	0
GFL010 36+50E	DIRT	Niton	XL3t	8/1/2012	60	0		0		0		142	24.52	0		0		831	141.02	2.340679	0.051993	0
GFL010 36+75E	DIRT	Niton	XL3t	8/1/2012	60	0		0		16.58	9.7	49	16.61	0		0		688	128.1	2.011407	0.047271	0
GFL010 37+00E	DIRT	Niton	XL3t	8/1/2012	60	0		0		34.19	11.57	112	21.85	0		0		444	114.02	2.664704	0.054546	0
GFL010 37+25E	DIRT	Niton	XL3t	8/1/2012	60	0		0		0		41	15.57	0		176.34	114.73	241	91.15	1.648408	0.042415	0
GFL010 37+50E	DIRT	Niton	XL3t	8/1/2012	60	0		0		16.39	9.71	44	16.46	0		0		224	92.59	2.044228	0.048023	0
GFL010 37+75E	DIRT	Niton	XL3t	8/1/2012	60	0		0		22.93	10.29	90	20.64	0		0		372	105.69	2.15518	0.049354	0
GFL010 38+00E	DIRT	Niton	XL3t	8/1/2012	60	9	5.84	0		18.32	10.33	71	19.03	0		0		292	100.45	1.770935	0.045726	0
GFL010 38+25E	DIRT	Niton	XL3t	8/1/2012	60	0		0		16.39	9.72	39	15.13	0		0		345	98.42	1.525068	0.040703	0
GFL010 38+50E	DIRT	Niton	XL3t	8/1/2012	60	0		44.02	26.25	0		75	19.24	0		0		683	131.29	2.660394	0.054904	13
GFL010 38+75E	DIRT	Niton	XL3t	8/1/2012	60	0		0		0		124	23.08	0		0		978	149.81	2.333925	0.051823	0
GFL010 39+00E	DIRT	Niton	XL3t	8/1/2012	60	0		0		0		66	18.28	0		0		392	109.25	2.53825	0.053388	0
GFL010 39+25E	DIRT	Niton	XL3t	8/1/2012	60	0		0		0		66	17.96	0		0		217	90.91	1.993236	0.046975	0
GFL010 39+50E	DIRT	Niton	XL3t	8/1/2012	60	0		0		16.04	9.84	75	18.9	0		222.75	137.04	463	112.85	2.329568	0.051059	0
GFL010 39+75E	DIRT	Niton	XL3t	8/1/2012	60	0		0		33.73	11.35	63	17.69	0		0		312	97.27	1.565432	0.041354	0
GFL010 40+00E	DIRT	Niton	XL3t	8/1/2012	60	0		0		0		38	15.63	0		0		311	93.91	1.183951	0.035989	0
GFL010 40+25E	DIRT	Niton	XL3t	8/1/2012	60	0		0		0		93	20.74	0		0		493	115.9	2.191083	0.049761	0
GFL010 40+50E	DIRT	Niton	XL3t	8/1/2012	60	0		0		19.21	10.21	125	22.78	0		0		1566	177.84	1.957572	0.046925	0
GFL010 40+75E	DIRT	Niton	XL3t	8/1/2012	60	0		0		20.86	10.25	59	18.1	0		0		219	94.26	2.239608	0.05054	0
GFL010 41+00E	DIRT	Niton	XL3t	8/1/2012	60	0		0		15.28	9.83	82	19.47	0		0		517	115.44	2.069163	0.048162	0
GFL010 41+25E	DIRT	Niton	XL3t	8/1/2012	60	0		0		20.58	11.12	95	22.35	0		0		376	111.93	1.799975	0.04825	0
GFL010 41+50E	DIRT	Niton	XL3t	8/1/2012	60	0		0		0		70	18.65	0		0		298	97.82	1.78165	0.044812	0
GFL010 41+75E	DIRT	Niton	XL3t	8/1/2012	60	0		39.78	26.15	19.11	10.35	225	29.52	0		0		878	143.2	2.288576	0.051171	0
GFL010 42+00E	DIRT	Niton	XL3t	8/1/2012	60	0		0		16.71	9.85	162	26	0		0		1229	162.75	1.937203	0.047211	0
GFL010 42+25E	DIRT	Niton	XL3t	8/1/2012	60	0		0		25.08	10.84	100	21.71	0		0		489	115.99	2.064437	0.04887	0
GFL010 42+50E	DIRT	Niton	XL3t	8/1/2012	60	0		0		17.88	9.83	119	22.37	0		0		869	139.66	2.310959	0.050493	0
GFL010 42+75E	DIRT	Niton	XL3t	8/1/2012	60	8	5.7	0		16.29	9.86	66	18.16	0		0		305	97.04	1.663064	0.043342	0
GFL010 43+00E	DIRT	Niton	XL3t	8/1/2012	60	0		0		0		79	19.52	0		0		440	111.08	2.134134	0.048738	0
GFL010 43+25E	DIRT	Niton	XL3t	8/1/2012	60	0		0		33.57	11.36	142	24.11	0		0		913	142.69	2.339578	0.0508	0

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
GFL010 43+50E	DIRT	Niton	XL3t	8/1/2012	60	0		0		21.03	10.56	161	25.66	0		0		544	126.5	3.461093	0.063358	0
GFL010 43+75E	DIRT	Niton	XL3t	8/1/2012	60	0		0		18.26	10.33	130	23.45	0		0		290	100.86	2.379619	0.05224	0
GFL010 44+00E	DIRT	Niton	XL3t	8/1/2012	60	0		0		16.2	9.7	100	20.8	0		0		626	123.46	2.159323	0.048759	0
GFL010 44+25E	DIRT	Niton	XL3t	8/1/2012	60	0		0		40.88	12.38	157	25.35	0		0		615	130.12	3.084256	0.059314	0
GFL010 44+50E	DIRT	Niton	XL3t	8/1/2012	60	0		49.2	27.17	37.02	12.15	161	25.72	0		0		669	132.02	2.796269	0.056742	0
GFL010 44+75E	DIRT	Niton	XL3t	8/1/2012	60	0		0		26.65	10.97	180	26.85	0		0		528	120.74	2.501477	0.05352	0
GFL010 45+00E	DIRT	Niton	XL3t	8/1/2012	60	0		44.53	26.45	25.02	10.77	129	23.56	0		0		825	140.7	2.698733	0.055394	0
GFL010 45+25E	DIRT	Niton	XL3t	8/1/2012	60	0		0		24.97	10.77	203	28.08	0		0		1755	189.48	2.503529	0.053355	0
GFL010 45+50E	DIRT	Niton	XL3t	8/1/2012	60	0		0		0		94	20.05	0		0		325	100.79	1.870884	0.045595	0
GFL011 00+00	DIRT	Niton	XL3t	8/1/2012	60	0		0		34.59	11.65	130	23.08	0		0		968	145.44	2.113748	0.048345	0
GFL011 00+25W	DIRT	Niton	XL3t	8/1/2012	60	0		0		0		81	19.36	0		0		446	109.72	1.872212	0.045598	0
GFL011 00+50W	DIRT	Niton	XL3t	8/1/2012	60	0		0		20.8	10.13	101	20.92	0		0		427	107.49	1.71572	0.043511	0
GFL011 00+75W	DIRT	Niton	XL3t	8/1/2012	60	0		0		28.73	11.21	163	25.74	0		0		986	150.04	2.24362	0.050795	0
GFL011 01+00W	DIRT	Niton	XL3t	8/1/2012	60	0		0		24.2	10.54	173	26.5	0		0		654	128.91	2.418609	0.052677	0
GFL011 01+25W	DIRT	Niton	XL3t	8/1/2012	60	0		0		22.72	10.48	83	19.91	0		0		458	111.54	1.842569	0.045355	0
GFL011 01+50W	DIRT	Niton	XL3t	8/1/2012	60	0		0		19.21	10.08	124	22.83	0		0		803	136.59	2.176297	0.049458	0
GFL011 01+75W	DIRT	Niton	XL3t	8/1/2012	60	0		0		21.87	10.28	87	19.96	0		0		425	111.27	2.52139	0.053094	0
GFL011 02+00W	DIRT	Niton	XL3t	8/1/2012	60	0		43.02	25.83	16.18	9.73	118	22.37	0		0		422	109.45	1.952206	0.046685	0
GFL011 02+25W	DIRT	Niton	XL3t	8/1/2012	60	0		0		22.42	10.62	148	24.95	0		0		660	131.51	2.854895	0.057296	0
GFL011 02+50W	DIRT	Niton	XL3t	8/1/2012	60	0		0		30.24	11.24	158	24.99	0		0		1087	154.96	2.389375	0.052028	0
GFL011 02+75W	DIRT	Niton	XL3t	8/1/2012	60	0		41.39	26.77	26.54	11.14	128	23.74	0		0		358	109.2	2.718006	0.056361	0
GFL011 03+00W	DIRT	Niton	XL3t	8/1/2012	60	0		0		0		90	20.6	0		0		574	121.99	2.139118	0.049506	0
GFL011 03+25W	DIRT	Niton	XL3t	8/1/2012	60	0		0		15.43	9.9	62	18.11	0		0		197	88.13	1.787358	0.044696	0
GFL011 03+50W	DIRT	Niton	XL3t	8/1/2012	60	0		0		18.03	10.16	176	26.79	0		0		1332	170.14	2.195438	0.050481	0
GFL011 03+75W	DIRT	Niton	XL3t	8/1/2012	60	0		43.1	26.41	0		115	22.56	0		0		692	130.14	2.356345	0.05167	0
GFL011 04+00W	DIRT	Niton	XL3t	8/1/2012	60	0		0		22.12	10.44	128	23.47	0		0		551	120.34	2.371953	0.051666	0
GFL011 04+25W	DIRT	Niton	XL3t	8/1/2012	60	0		0		14.69	9.75	124	22.98	0		0		736	135.43	2.403067	0.052488	0
GFL011 04+50W	DIRT	Niton	XL3t	8/1/2012	60	0		0		20.77	10.3	106	21.74	0		0		834	139.59	1.975423	0.047454	0
GFL011 04+75W	DIRT	Niton	XL3t	8/1/2012	60	0		0		15.52	9.73	177	26.22	0		0		796	137.19	2.35971	0.051368	0
GFL011 05+00W	DIRT	Niton	XL3t	8/1/2012	60	0		0		23.9	10.82	156	25.38	0		0		309	105.8	3.004862	0.058711	0
GFL011 05+25W	DIRT	Niton	XL3t	8/1/2012	60	0		0		15.22	9.63	128	23.03	0		0		675	126.36	1.925664	0.046119	0
GFL011 05+50W	DIRT	Niton	XL3t	8/1/2012	60	0		0		0		58	17.15	0		0		389	105.93	1.96392	0.046692	0
GFL011 05+75W	DIRT	Niton	XL3t	8/1/2012	60	0		0		27.4	11.21	189	27.84	0		0		2433	223.01	2.65903	0.056123	0
GFL011 06+00W	DIRT	Niton	XL3t	8/1/2012	60	0		0		18.53	10.01	131	23.07	0		0		511	116.76	2.274021	0.050132	0
GFL011 06+25W	DIRT	Niton	XL3t	8/1/2012	60	0		0		0		104	21.06	0		0		786	136.85	2.259749	0.050599	0
GFL011 06+50W	DIRT	Niton	XL3t	8/1/2012	60	0		0		15.62	9.55	109	21.84	0		0		313	101.08	2.249511	0.049808	0
GFL011 06+75W	DIRT	Niton	XL3t	8/1/2012	60	0		0		16.95	9.6	131	22.73	0		0		735	129.1	2.000857	0.046517	0
GFL011 07+00W	DIRT	Niton	XL3t	8/1/2012	60	0		0		16.92	9.95	100	21.09	0		0		358	105.96	2.346425	0.051425	0
GFL011 07+25W	DIRT	Niton	XL3t	8/1/2012	60	0		0		0		47	15.79	0		0		126	77.01	1.558518	0.040414	0
GFL011 07+50W	DIRT	Niton	XL3t	8/1/2012	60	0		0		0		84	19.28	0		0		410	106.09	2.016052	0.046775	0
GFL011 07+75W	DIRT	Niton	XL3t	8/1/2012	60	0		40.96	25.85	19.53	10.14	125	23.06	0		0		617	124.04	2.177612	0.049348	0
GFL011 08+00W	DIRT	Niton	XL3t	8/1/2012	60	0		0		22.15	10.31	92	20.82	0		0		247	99.76	2.822695	0.05644	0
GFL011 08+25W	DIRT	Niton	XL3t	8/1/2012	60	0		0		0		56	16.64	0		0		351	97.73	1.445943	0.039242	0
GFL011 08+50W	DIRT	Niton	XL3t	8/1/2012	60	0		0		22.76	10.38	121	22.6	0		0		395	107.22	2.111196	0.048409	0
GFL011 08+75W	DIRT	Niton	XL3t	8/1/2012	60	0		0		17.41	9.85	98	21.43	0		0		402	109.02	2.132368	0.049361	0

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
GFL011 09+00W	DIRT	Niton	XL3t	8/1/2012	60	0		0		33.47	11.49	79	19.25	0		0		306	101.69	2.357107	0.051367	0
GFL011 09+25W	DIRT	Niton	XL3t	8/1/2012	60	0		0		0		51	16.48	0		0		218	87.76	1.615236	0.041707	0
GFL011 09+50W	DIRT	Niton	XL3t	8/1/2012	60	0		0		24.9	10.62	81	19.12	0		0		181	87.59	2.185463	0.048913	0
GFL011 09+75W	DIRT	Niton	XL3t	8/1/2012	60	0		0		17.37	10.12	83	19.92	0		0		329	103.73	2.27792	0.050845	0
GFL011 10+00W	DIRT	Niton	XL3t	8/1/2012	60	0		0		0		87	19.99	0		0		342	102.3	1.89656	0.046344	0
GFL011 10+25W	DIRT	Niton	XL3t	8/1/2012	60	0		0		0		98	21.23	0		0		387	109.16	2.45108	0.052618	0
GFL011 10+50W	DIRT	Niton	XL3t	8/1/2012	60	0		0		18.53	9.93	63	17.42	0		0		604	119.1	1.810407	0.04424	0
GFL011 10+75W	DIRT	Niton	XL3t	8/1/2012	60	0		0		0		45	18.16	0		0		283	105.55	1.58479	0.046382	0
GFL011 11+00W	DIRT	Niton	XL3t	8/1/2012	60	0		0		28.72	12.58	104	24.25	0		0		717	149.8	2.481021	0.059612	0
GFL011 11+25W	DIRT	Niton	XL3t	8/1/2012	60	0		0		17.04	9.91	58	17.86	0		0		489	115.75	1.881834	0.047065	0
GFL011 11+50W	DIRT	Niton	XL3t	8/1/2012	60	0		0		23.21	10.39	100	21.02	0		0		477	114.07	2.017414	0.047518	0
GFL011 11+75W	DIRT	Niton	XL3t	8/1/2012	60	0		49.65	28.12	26.9	11.22	111	22.96	0		0		709	137.94	2.947071	0.059353	0
GFL011 12+00W	DIRT	Niton	XL3t	8/1/2012	60	0		0		21.84	11.11	94	21.81	0		0		394	114.87	2.524126	0.0559	0
GFL011 12+25W	DIRT	Niton	XL3t	8/1/2012	60	0		0		18.73	10.44	89	21.32	0		0		291	107.12	2.829949	0.058779	0
GFL011 12+50W	DIRT	Niton	XL3t	8/1/2012	60	0		51.72	28.14	17.4	10.32	112	22.77	0		0		599	129.93	3.021906	0.059918	0
GFL011 12+75W	DIRT	Niton	XL3t	8/1/2012	60	0		0		24.62	11.41	115	23.34	0		0		656	138.22	2.808576	0.059713	0
GFL011 13+00W	DIRT	Niton	XL3t	8/1/2012	60	0		0		0		78	20.02	0		0		387	109.86	1.928513	0.04789	0
GFL011 13+25W	DIRT	Niton	XL3t	8/1/2012	60	0		0		0		64	17.89	0		0		357	102.54	1.708132	0.043639	0
GFL011 13+50W	DIRT	Niton	XL3t	8/1/2012	60	0		0		16.57	10.21	68	18.3	0		0		345	102.4	1.663512	0.043462	0
GFL011 13+75W	DIRT	Niton	XL3t	8/1/2012	60	0		0		0		73	19.45	0		0		447	115.5	2.240109	0.051388	0
GFL011 14+00W	DIRT	Niton	XL3t	8/2/2012	60	0		0		20.71	10.57	48	16.92	0		0		427	112.62	2.06603	0.049398	0
GFL011 14+25W	DIRT	Niton	XL3t	8/2/2012	60	0		0		0		87	20.35	0		0		360	106.64	2.15164	0.050047	0
GFL011 14+50W	DIRT	Niton	XL3t	8/2/2012	60	0		0		22.48	10.83	56	17.74	0		0		297	103.07	2.296069	0.052224	0
GFL011 14+75W	DIRT	Niton	XL3t	8/2/2012	60	0		0		0		51	16.91	0		0		388	107.5	1.910247	0.047014	0
GFL011 15+00W	DIRT	Niton	XL3t	8/2/2012	60	0		0		0		86	20.61	0		0		357	108.83	2.503704	0.054429	12.5
GFL011 15+25W	DIRT	Niton	XL3t	8/2/2012	60	0		0		21.32	10.44	109	21.98	0		0		635	127.34	2.252591	0.050773	0
GFL011 15+50W	DIRT	Niton	XL3t	8/2/2012	60	0		0		24.29	10.79	160	25.91	0		0		1306	169.44	2.123711	0.050166	0
GFL011 15+75W	DIRT	Niton	XL3t	8/2/2012	60	0		44.9	26.59	0		192	27.62	0		0		510	119.47	2.624792	0.054714	0
GFL011 16+00W	DIRT	Niton	XL3t	8/2/2012	60	0		0		22.25	10.8	152	25.57	0		0		1385	173.68	2.097639	0.049896	0
GFL011 16+25W	DIRT	Niton	XL3t	8/2/2012	60	0		0		25.19	11.02	49	17.03	0		261.58	143.66	261	100.49	2.39682	0.053203	0
GFL011 16+50W	DIRT	Niton	XL3t	8/2/2012	60	0		48.6	28.71	22.95	11.24	287	34.28	0		0		734	140.57	2.799976	0.058792	0
GFL011 16+75W	DIRT	Niton	XL3t	8/2/2012	60	0		0		23.93	11.8	107	24.56	0		0		347	115.79	2.107777	0.054113	0
GFL011 17+00W	DIRT	Niton	XL3t	8/2/2012	60	0		0		0		108	22.26	0		0		512	119.36	1.801843	0.046394	0
GFL011 17+25W	DIRT	Niton	XL3t	8/2/2012	60	0		0		0		169	26.26	0		0		965	148.13	1.818366	0.04618	0
GFL011 17+50W	DIRT	Niton	XL3t	8/2/2012	60	0		0		18.64	10.56	216	29.81	0		0		630	133.07	2.580194	0.056026	0
GFL011 17+75W	DIRT	Niton	XL3t	8/2/2012	60	0		0		23.64	10.9	166	26.62	0		0		556	124.95	2.637933	0.055839	0
GFL011 18+00W	DIRT	Niton	XL3t	8/2/2012	60	0		0		19.41	10.21	163	26.03	0		0		698	133.05	2.650616	0.055299	0
GFL011 18+25W	DIRT	Niton	XL3t	8/2/2012	60	0		0		17.09	10.14	120	23.06	0		0		503	121.96	3.003435	0.059209	0
GFL011 18+50W	DIRT	Niton	XL3t	8/2/2012	60	0		0		0		103	22.18	0		0		608	132.63	3.232705	0.062495	16.69
GFL011 18+75W	DIRT	Niton	XL3t	8/2/2012	60	0		0		31.79	11.78	154	25.84	0		0		1134	163.5	2.544343	0.055487	0
GFL011 19+00W	DIRT	Niton	XL3t	8/2/2012	60	0		0		23.26	10.98	119	23.27	0		0		1273	171.68	2.79416	0.058149	0
GFL011 19+25W	DIRT	Niton	XL3t	8/2/2012	60	0		41.52	27	23.24	10.98	150	25.52	0		0		2467	226.57	2.752836	0.057333	0
GFL011 19+50W	DIRT	Niton	XL3t	8/2/2012	60	0		0		32.49	12.04	168	27.24	0		0		975	157.58	3.412951	0.064431	0
GFL011 19+75W	DIRT	Niton	XL3t	8/2/2012	60	0		0		21.59	10.8	135	23.96	0		0		1042	155.38	2.49119	0.053882	0
GFL011 2+50W	DIRT	Niton	XL3t	8/2/2012	60	0		0		22.61	10.84	134	24.58	0		0		636	131.97	2.53558	0.054815	0

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
GFL011 20+00W	DIRT	Niton	XL3t	8/2/2012	60	0		0		27.27	11.15	217	29.39	0		0		807	141.89	2.586442	0.054974	0
GFL011 20+25W	DIRT	Niton	XL3t	8/2/2012	60	0		0		23.95	11.22	175	27.74	0		0		571	129.37	2.843064	0.059045	0
GFL011 20+50W	DIRT	Niton	XL3t	8/2/2012	60	0		0		33.3	12.52	129	24.93	0		0		944	158.08	2.488697	0.05695	0
GFL011 20+75W	DIRT	Niton	XL3t	8/2/2012	60	0		0		22.98	11.17	106	22.35	0		0		984	155.36	2.767872	0.05798	0
GFL011 21+00W	DIRT	Niton	XL3t	8/2/2012	60	0		43.61	27.59	23.97	10.98	175	27.28	0		0		1251	169.54	2.910404	0.058895	0
GFL011 21+25W	DIRT	Niton	XL3t	8/2/2012	60	0		0		25.52	11.3	81	20.09	0		0		369	108.84	2.272921	0.051418	0
GFL011 21+50W	DIRT	Niton	XL3t	8/2/2012	60	0		0		22.26	10.37	145	24.54	0		0		741	133.98	2.118266	0.049331	0
GFL011 21+75W	DIRT	Niton	XL3t	8/2/2012	60	0		0		32.84	11.89	121	23.18	0		0		1145	165.7	3.478939	0.064245	0
GFL011 22+00W	DIRT	Niton	XL3t	8/2/2012	60	0		0		30.72	11.54	139	24.53	0		0		2031	207.11	3.134898	0.060753	0
GFL011 22+25W	DIRT	Niton	XL3t	8/2/2012	60	0		0		26.56	11.19	137	24.08	0		0		1030	154.28	2.781216	0.056775	0
GFL011 22+75W	DIRT	Niton	XL3t	8/2/2012	60	0		0		26.52	10.87	172	26.14	0		210.9	133.12	1334	168.01	2.176338	0.04965	0
GFL011 23+00W	DIRT	Niton	XL3t	8/2/2012	60	0		44.08	27.42	31.3	11.89	140	24.56	0		0		699	136.22	2.306603	0.052631	0
GFL011 23+25W	DIRT	Niton	XL3t	8/2/2012	60	0		0		39.38	12.71	178	28.15	0		0		865	152.88	3.578364	0.066727	17.86
GFL011 23+50W	DIRT	Niton	XL3t	8/2/2012	60	0		0		0		181	56.47	0		0		944	292.88	3.919675	0.125999	0
GFL011 23+75W	DIRT	Niton	XL3t	8/2/2012	60	0		0		32.24	11.78	84	20.39	0		0		374	108.95	2.013644	0.048889	0
GFL011 24+00W	DIRT	Niton	XL3t	8/2/2012	60	0		0		40.82	12.69	100	21.79	0		0		364	110.78	2.342967	0.053058	0
GFL011 24+25W	DIRT	Niton	XL3t	8/2/2012	60	0		0		0		104	21.36	0		0		770	133.21	1.617836	0.043038	0
GFL011 24+50W	DIRT	Niton	XL3t	8/2/2012	60	0		0		16.07	10.57	109	23.76	0		0		905	153.04	1.73642	0.047801	0
GFL011 24+75W	DIRT	Niton	XL3t	8/2/2012	60	0		0		15.7	10.14	67	18.67	0		0		347	104.06	1.521811	0.042776	0
GFL011 25+00W	DIRT	Niton	XL3t	8/2/2012	60	0		0		23.34	10.68	147	24.65	0		0		368	108.97	2.588624	0.05433	0
GFL011 25+25W	DIRT	Niton	XL3t	8/2/2012	60	0		0		38.27	12.72	122	24.12	0		0		641	133.95	2.064199	0.051394	0
GFL011 25+50W	DIRT	Niton	XL3t	8/2/2012	60	0		0		19.81	10.65	162	26.42	0		0		443	118.57	2.925425	0.0594	13.96
GFL011 25+75W	DIRT	Niton	XL3t	8/2/2012	60	0		0		16.37	9.7	102	21.39	0		0		612	122.98	1.97934	0.047108	0
GFL011 26+00W	DIRT	Niton	XL3t	8/2/2012	60	0		39.45	25.81	33.68	11.51	87	20	0		0		774	135.88	2.25019	0.050474	0
GFL011 26+25W	DIRT	Niton	XL3t	8/2/2012	60	0		0		20.43	10.05	73	18.59	0		0		304	100.09	1.985117	0.046762	0
GFL011 26+50W	DIRT	Niton	XL3t	8/2/2012	60	0		0		15.91	9.72	42	15.76	0		0		182	85.09	1.575058	0.041604	0
GFL011 26+75W	DIRT	Niton	XL3t	8/2/2012	60	0		0		17.16	10.04	78	19.17	0		0		631	125.3	1.881174	0.046032	0
GFL011 27+00W	DIRT	Niton	XL3t	8/2/2012	60	0		0		0		135	23.92	0		0		345	105.85	2.478123	0.052952	0
GFL011 27+25W	DIRT	Niton	XL3t	8/2/2012	60	0		0		16.39	9.94	93	20.54	0		0		914	143.33	1.789029	0.045194	0
GFL011 27+50W	DIRT	Niton	XL3t	8/2/2012	60	0		0		0		82	19.13	0		0		234	90.59	1.630866	0.042036	0
GFL011 27+75W	DIRT	Niton	XL3t	8/2/2012	60	0		0		20.18	10.37	121	23.38	0		0		611	127.63	2.690244	0.055827	0
GFL011 28+00W	DIRT	Niton	XL3t	8/2/2012	60	0		0		25.62	11.46	112	23.4	0		0		1518	187.35	2.702966	0.058049	14.57
GFL011 28+25W	DIRT	Niton	XL3t	8/2/2012	60	0		0		16.55	10.06	55	17.24	0		0		414	108.91	2.073471	0.048342	0
GFL011 28+50W	DIRT	Niton	XL3t	8/2/2012	60	0		0		15.21	9.62	90	20.24	0		0		509	117.3	2.39232	0.051431	0
GFL011 28+75W	DIRT	Niton	XL3t	8/2/2012	60	0		0		21.15	9.99	79	18.88	0		0		348	101.13	1.973984	0.046101	0
GFL011 29+00W	DIRT	Niton	XL3t	8/2/2012	60	0		0		0		51	16.58	0		0		317	95.55	1.541657	0.040666	0
GFL011 29+25W	DIRT	Niton	XL3t	8/2/2012	60	0		0		0		79	19.1	0		0		262	92.81	1.802616	0.044301	0
GFL011 29+50W	DIRT	Niton	XL3t	8/2/2012	60	0		0		0		69	18.1	0		0		940	144.17	2.132873	0.048566	0
GFL011 29+75W	DIRT	Niton	XL3t	8/2/2012	60	0		0		0		40	14.97	0		0		168	81.65	1.475148	0.039837	0
GFL011 30+00W	DIRT	Niton	XL3t	8/2/2012	60	0		0		0		0		0		0		0		3.023124	0.262468	0
GFL011 30+25W	DIRT	Niton	XL3t	8/2/2012	60	0		0		16.06	9.63	66	17.83	0		0		327	99.58	1.972737	0.046302	0
GFL011 30+50W	DIRT	Niton	XL3t	8/2/2012	60	0		0		26.7	10.91	109	21.71	0		0		357	106.91	2.535469	0.053592	0
GFL011 30+75W	DIRT	Niton	XL3t	8/2/2012	60	0		0		29.92	11.24	65	18.51	0		0		196	87.97	1.569837	0.042199	0
GFL011 31+00W	DIRT	Niton	XL3t	8/2/2012	60	0		40.34	26.35	30.02	11.38	127	23.41	0		0		509	118.27	2.29357	0.051465	0
GFL011 31+25W	DIRT	Niton	XL3t	8/2/2012	60	0		0		14.27	9.33	57	17.17	0		0		341	99.53	1.668952	0.042405	0

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
GFL011 31+50W	DIRT	Niton	XL3t	8/2/2012	60	0		0		0		47	15.92	0		0		246	89.78	1.480367	0.040108	0
GFL011 31+75W	DIRT	Niton	XL3t	8/2/2012	60	0		0		17.08	9.94	90	20.24	0		0		416	110.3	2.373582	0.051534	0
GFL011 32+00W	DIRT	Niton	XL3t	8/2/2012	60	0		0		21.28	10.51	131	23.38	0		0		1665	183.64	2.171864	0.049694	0
GFL011 32+25W	DIRT	Niton	XL3t	8/2/2012	60	0		0		22.99	11	130	24.25	0		0		849	148.44	3.542018	0.065016	0
GFL011 32+50W	DIRT	Niton	XL3t	8/2/2012	60	0		0		16.52	9.79	61	17.76	0		0		367	105.53	1.885233	0.046293	0
GFL011 32+75W	DIRT	Niton	XL3t	8/2/2012	60	0		0		19.26	10.16	100	21.41	0		0		399	108.68	1.906649	0.046841	0
GFL011 33+00W	DIRT	Niton	XL3t	8/2/2012	60	0		0		22.07	10.51	63	18.03	0		0		316	101.37	2.176324	0.049901	0
GFL011 33+25W	DIRT	Niton	XL3t	8/2/2012	60	0		0		20.52	10.17	64	18.42	0		0		284	98.28	2.037441	0.048054	0
GFL011 33+50W	DIRT	Niton	XL3t	8/2/2012	60	0		0		19.73	10.07	77	19.36	0		0		1219	160.13	1.739138	0.044173	0
GFL011 33+75W	DIRT	Niton	XL3t	8/2/2012	60	0		0		0		44	16.02	0		0		351	101.12	1.594057	0.042082	0
GFL011 34+00W	DIRT	Niton	XL3t	8/2/2012	60	0		0		0		155	25.13	0		0		515	118.57	2.196205	0.049904	0
GFL011 34+25W	DIRT	Niton	XL3t	8/2/2012	60	0		0		0		133	23.4	0		0		481	115.13	2.345049	0.051078	0
GFL011 34+50W	DIRT	Niton	XL3t	8/2/2012	60	0		0		17.6	9.88	67	17.92	0		0		459	108.85	1.661017	0.042692	0
GFL011 34+75W	DIRT	Niton	XL3t	8/2/2012	60	0		0		20.34	10.06	140	23.44	0		0		716	129.44	2.244575	0.049522	0
GFL011 35+00W	DIRT	Niton	XL3t	8/2/2012	60	0		0		19.68	10.35	158	25.68	0		0		969	150.01	2.314401	0.051688	0
GFL011 35+25W	DIRT	Niton	XL3t	8/2/2012	60	0		0		21.04	10.31	113	21.65	0		0		1074	152.03	1.992388	0.047064	0
GFL011 35+50W	DIRT	Niton	XL3t	8/2/2012	60	0		0		0		196	27.94	0		0		896	143.73	1.930195	0.04715	0
GFL011 35+75W	DIRT	Niton	XL3t	8/2/2012	60	0		0		19.31	10.46	111	21.64	0		0		992	151.46	2.457864	0.052943	0
GFL011 36+00W	DIRT	Niton	XL3t	8/2/2012	60	0		0		26.05	11.17	195	28.29	0		0		1657	189.35	2.626068	0.055815	0
GFL011 36+25W	DIRT	Niton	XL3t	8/2/2012	60	0		0		19.74	10.36	129	23.66	0		280.3	154.39	706	134.17	2.904345	0.057589	0
GFL011 36+50W	DIRT	Niton	XL3t	8/2/2012	60	0		0		17.5	9.9	100	21.18	0		0		709	133.44	2.63103	0.054685	0
GFL011 36+75W	DIRT	Niton	XL3t	8/2/2012	60	0		43.79	26.71	15.73	9.88	125	23.48	0		0		1165	162.72	2.790598	0.056668	0
GFL011 37+00W	DIRT	Niton	XL3t	8/2/2012	60	0		41.63	26.7	28.01	11.21	134	24.12	0		0		698	134.47	2.735854	0.056426	0
GFL011 37+25W	DIRT	Niton	XL3t	8/2/2012	60	0		39.06	25.7	20.46	10.43	90	20.26	0		0		587	124.54	2.481916	0.052817	0
GFL011 37+50W	DIRT	Niton	XL3t	8/2/2012	60	0		0		25.67	10.78	87	19.89	0		0		527	116.79	2.279157	0.050084	0
GFL011 37+75W	DIRT	Niton	XL3t	8/2/2012	60	0		0		25.53	10.98	150	24.83	0		0		1356	170.32	2.558627	0.05397	0
GFL011 38+00W	DIRT	Niton	XL3t	8/2/2012	60	0		0		31	11.55	238	30.48	0		285.55	150.91	2231	213.89	2.693826	0.056207	0
GFL011 38+25W	DIRT	Niton	XL3t	8/2/2012	60	0		0		22.8	10.62	118	22.74	0		0		970	148.88	2.533788	0.053666	0
GFL011 38+50W	DIRT	Niton	XL3t	8/2/2012	60	0		0		18.61	9.78	76	19.04	0		0		274	94.18	1.730454	0.043311	0
GFL011 38+75W	DIRT	Niton	XL3t	8/2/2012	60	0		0		0		95	20.54	0		0		781	135.02	2.143212	0.048797	0
GFL011 39+00W	DIRT	Niton	XL3t	8/2/2012	60	0		0		0		165	25.24	0		0		742	133.07	2.416196	0.051942	0
GFL011 39+25W	DIRT	Niton	XL3t	8/2/2012	60	0		0		0		45	15.6	0		0		468	106.59	1.367923	0.03802	0
GFL011 39+50W	DIRT	Niton	XL3t	8/2/2012	60	0		0		17.11	10.07	130	23.31	0		0		423	109.97	2.24153	0.050061	0
GFL011 39+75W	DIRT	Niton	XL3t	8/2/2012	60	0		0		20.83	10.44	131	23.26	0		0		425	110.35	2.29343	0.050808	0
GFL011 40+00W	DIRT	Niton	XL3t	8/2/2012	60	0		0		20.45	10.27	124	23.18	0		0		625	128.11	2.68294	0.05541	0
GFL011 40+25W	DIRT	Niton	XL3t	8/2/2012	60	0		0		0		97	20.6	0		0		738	131.79	2.038414	0.048018	0
GFL011 40+50W	DIRT	Niton	XL3t	8/2/2012	60	0		0		0		81	19.15	0		0		555	115.61	1.874598	0.045076	0
GFL011 40+75W	DIRT	Niton	XL3t	8/2/2012	60	0		0		20.32	10.09	68	18.08	0		0		297	97.22	1.824138	0.044851	0
GFL011 41+00W	DIRT	Niton	XL3t	8/2/2012	60	0		50.26	27.7	23.06	11	90	21.11	0		0		1147	162.12	2.442306	0.053877	0
GFL011 41+25W	DIRT	Niton	XL3t	8/2/2012	60	0		41.45	25.96	23.64	10.78	165	25.71	0		0		583	125.35	2.781469	0.056094	0
GFL011 41+50W	DIRT	Niton	XL3t	8/2/2012	60	0		0		25.56	10.84	113	22.2	0		0		745	134.13	1.913457	0.046786	0
GFL011 41+75W	DIRT	Niton	XL3t	8/3/2012	60	0		0		24.92	10.85	129	23.19	0		0		601	124.94	2.551986	0.053682	0
GFL011 42+00W	DIRT	Niton	XL3t	8/3/2012	60	0		0		16.31	9.52	70	18.11	0		0		201	84.94	1.369456	0.038463	0
GFL011 42+25W	DIRT	Niton	XL3t	8/3/2012	60	0		0		0		82	19.57	0		0		619	122.34	1.867571	0.045708	0
GFL011 42+50W	DIRT	Niton	XL3t	8/3/2012	60	0		0		0		53	16.67	0		0		268	92.09	1.496861	0.040271	0

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
GFL011 42+75W	DIRT	Niton	XL3t	8/3/2012	60	0		0		15.1	10.04	226	29.88	0		0		974	151.04	2.414566	0.052978	0
GFL011 43+00W	DIRT	Niton	XL3t	8/3/2012	60	0		0		19.73	10.64	233	30.57	0		0		1255	168.57	2.299585	0.052452	0
GFL011 43+25W	DIRT	Niton	XL3t	8/3/2012	60	0		0		19.69	10.25	138	23.99	0		0		714	132.97	2.260594	0.050814	0
GFL011 43+50W	DIRT	Niton	XL3t	8/3/2012	60	0		38.03	25.32	0		59	17.48	0		0		198	85.27	1.459958	0.040247	0
GFL011 43+75W	DIRT	Niton	XL3t	8/3/2012	60	0		0		0		82	19.15	0		0		290	95.96	1.670436	0.04305	0
GFL011 44+00W	DIRT	Niton	XL3t	8/3/2012	60	0		0		0		70	18.32	0		0		232	92.08	1.755287	0.044245	0
GFL011 44+25W	DIRT	Niton	XL3t	8/3/2012	60	0		0		22.75	10.47	152	24.78	0		0		780	134.79	2.2414	0.049938	0
GFL011 44+50W	DIRT	Niton	XL3t	8/3/2012	60	0		0		0		82	19.42	0		0		798	135.15	2.033904	0.04733	0
GFL011 44+75W	DIRT	Niton	XL3t	8/3/2012	60	0		41.18	25.87	14.61	9.72	103	21.43	0		0		455	112.5	2.113546	0.048739	0
GFL011 45+00W	DIRT	Niton	XL3t	8/3/2012	60	0		0		17.63	10.01	128	23.16	0		0		830	140.46	2.171702	0.049768	0
GFL011 45+25W	DIRT	Niton	XL3t	8/3/2012	60	0		0		20.01	9.99	80	19.41	0		0		346	103.93	2.304067	0.050534	0
GFL011 45+50W	DIRT	Niton	XL3t	8/3/2012	60	0		0		23.5	10.52	101	21.45	0		0		633	127.41	2.477588	0.053193	0
GFL011 45+75W	DIRT	Niton	XL3t	8/3/2012	60	0		0		0		71	19.09	0		0		304	102.41	2.09382	0.049226	0
GFL011 46+00W	DIRT	Niton	XL3t	8/3/2012	60	0		0		0		44	16.09	0		0		300	98.43	1.764483	0.044517	0
GFL012 00+00	DIRT	Niton	XL3t	8/3/2012	60	0		0		19.21	10.29	96	21.08	0		0		263	98.66	2.264482	0.051007	0
GFL012 00+25E	DIRT	Niton	XL3t	8/3/2012	60	0		0		21.35	10.46	112	22.28	0		254.12	150.58	428	114.32	2.721834	0.056196	0
GFL012 00+50E	DIRT	Niton	XL3t	8/3/2012	60	0		0		14.98	9.75	55	17.28	0		0		393	106.04	1.658035	0.04361	0
GFL012 00+75E	DIRT	Niton	XL3t	8/3/2012	60	0		0		14.96	9.49	37	14.8	0		0		302	96.4	1.528102	0.040868	0
GFL012 01+00E	DIRT	Niton	XL3t	8/3/2012	60	0		0		0		45	15.93	0		0		285	94.95	1.613313	0.042149	0
GFL012 01+25E	DIRT	Niton	XL3t	8/3/2012	60	0		0		25.14	11.33	60	18.8	0		0		276	103.82	1.870276	0.048359	0
GFL012 01+50E	DIRT	Niton	XL3t	8/3/2012	60	0		0		15.01	9.78	102	21.76	0		0		795	141.17	2.707435	0.056317	0
GFL012 01+75E	DIRT	Niton	XL3t	8/3/2012	60	0		0		0		99	20.7	0		0		1140	155.89	2.312175	0.050644	0
GFL012 02+00E	DIRT	Niton	XL3t	8/3/2012	60	0		0		0		86	19.72	0		0		1252	159.17	1.71909	0.043427	0
GFL012 02+25E	DIRT	Niton	XL3t	8/3/2012	60	0		0		15.65	10.01	106	22.07	0		0		670	132.96	2.817031	0.057276	0
GFL012 02+50E	DIRT	Niton	XL3t	8/3/2012	60	0		0		17.03	10.13	151	25.1	0		0		805	140.58	2.624325	0.055085	0
GFL012 02+75E	DIRT	Niton	XL3t	8/3/2012	60	0		0		0		86	21.58	0		0		816	148.89	2.06998	0.052452	0
GFL012 03+00E	DIRT	Niton	XL3t	8/3/2012	60	0		0		18.16	10.12	104	21.8	0		0		945	147.27	2.28466	0.051165	0
GFL012 03+25E	DIRT	Niton	XL3t	8/3/2012	60	0		45.11	26.43	23.31	10.54	134	23.68	0		0		578	123.59	2.281691	0.051074	0
GFL012 03+50E	DIRT	Niton	XL3t	8/3/2012	60	0		0		22.51	10.5	126	23.22	0		0		608	125.63	2.546622	0.053443	0
GFL012 03+75E	DIRT	Niton	XL3t	8/3/2012	60	0		0		16.13	9.86	108	22.09	0		0		571	124.54	2.740655	0.056094	0
GFL012 04+00E	DIRT	Niton	XL3t	8/3/2012	60	0		0		15.12	9.91	153	25.47	0		0		640	128.44	2.545241	0.053867	0
GFL012 04+25E	DIRT	Niton	XL3t	8/3/2012	60	0		0		0		61	17.47	0		0		318	97.53	1.882181	0.045174	0
GFL012 04+50E	DIRT	Niton	XL3t	8/3/2012	60	0		0		37.25	12.3	136	24.68	0		0		942	153.94	2.92571	0.059482	0
GFL012 04+75E	DIRT	Niton	XL3t	8/3/2012	60	0		0		0		73	19.17	0		0		243	97.79	2.147968	0.049923	0
GFL012 05+00E	DIRT	Niton	XL3t	8/3/2012	60	0		0		0		74	18.59	0		0		253	94.57	1.870637	0.045716	0
GFL012 05+25E	DIRT	Niton	XL3t	8/3/2012	60	0		0		0		51	16.02	0		0		142	78.31	1.365071	0.038112	0
GFL012 05+50E	DIRT	Niton	XL3t	8/3/2012	60	0		0		33.88	12.1	95	21.88	0		0		763	143.47	3.085738	0.061095	0
GFL012 05+75E	DIRT	Niton	XL3t	8/3/2012	60	0		0		0		62	17.92	0		0		222	89.53	1.826543	0.04464	0
GFL012 06+00E	DIRT	Niton	XL3t	8/3/2012	60	0		0		41.43	12.79	84	20.25	0		0		1239	170.61	3.233641	0.061962	0
GFL012 06+25E	DIRT	Niton	XL3t	8/3/2012	60	0		0		17.19	9.47	38	15.16	0		0		192	84.72	1.645985	0.041881	0
GFL012 06+50E	DIRT	Niton	XL3t	8/3/2012	60	0		0		17.99	10.08	150	24.73	0		0		643	128.64	2.620234	0.054517	0
GFL012 06+75E	DIRT	Niton	XL3t	8/3/2012	60	0		0		20.36	10.19	100	21.15	0		0		357	106.12	2.444433	0.052214	0
GFL012 07+00E	DIRT	Niton	XL3t	8/3/2012	60	0		0		17.43	10.24	118	22.86	0		0		674	132.86	2.807601	0.057113	0
GFL012 07+25E	DIRT	Niton	XL3t	8/3/2012	60	0		0		0		58	17.27	0		0		375	104.74	1.86269	0.04535	0
GFL012 07+50E	DIRT	Niton	XL3t	8/3/2012	60	0		0		34.82	11.9	112	22.42	0		0		640	129.44	2.455121	0.053548	0

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
GFL012 07+75E	DIRT	Niton	XL3t	8/3/2012	60	0		0		22.69	10.79	102	21.96	0		0		403	111.14	2.256944	0.051589	0
GFL012 08+00E	DIRT	Niton	XL3t	8/3/2012	60	0		0		28.79	11.81	108	23.45	0		0		446	121.78	2.589918	0.057502	0
GFL012 08+25E	DIRT	Niton	XL3t	8/3/2012	60	0		0		19.03	10.38	130	23.33	0		0		671	132	2.703238	0.055699	0
GFL012 08+50E	DIRT	Niton	XL3t	8/3/2012	60	0		0		19.52	10.37	95	21	0		0		1113	156.76	2.084056	0.049212	0
GFL012 08+75E	DIRT	Niton	XL3t	8/3/2012	60	0		0		14.84	9.71	99	21.29	0		0		691	128.56	1.917592	0.046572	0
GFL012 09+00E	DIRT	Niton	XL3t	8/3/2012	60	0		0		24.63	10.6	114	22.07	0		0		1177	158.5	2.122462	0.048797	0
GFL012 09+25E	DIRT	Niton	XL3t	8/3/2012	60	0		0		0		69	17.97	0		0		325	97.48	1.748162	0.043205	0
GFL012 09+50E	DIRT	Niton	XL3t	8/3/2012	60	0		48.11	26.26	20.64	10.32	102	21.04	0		0		655	128.02	2.23991	0.049979	14
GFL012 09+75E	DIRT	Niton	XL3t	8/3/2012	60	0		0		17.33	9.96	120	23.01	0		0		2021	203.16	2.377316	0.052533	0
GFL012 10+00E	DIRT	Niton	XL3t	8/3/2012	60	0		0		18.45	10.55	100	22.16	0		0		1058	159.62	2.243488	0.052389	0
GFL012 10+25E	DIRT	Niton	XL3t	8/3/2012	60	0		0		25.77	11.03	86	20.12	0		0		903	144.35	2.495958	0.053104	0
GFL012 10+50E	DIRT	Niton	XL3t	8/3/2012	60	0		0		16.1	9.73	60	17.44	74	49.13	0		381	102.64	1.742836	0.043589	0
GFL012 10+75E	DIRT	Niton	XL3t	8/3/2012	60	0		0		0		73	18.45	0		0		366	101.65	1.710192	0.043263	0
GFL012 11+00E	DIRT	Niton	XL3t	8/3/2012	60	0		0		0		48	16.36	0		0		341	99.56	1.648568	0.042079	0
GFL012 11+25E	DIRT	Niton	XL3t	8/3/2012	60	0		0		18.76	9.97	129	22.76	0		0		733	131.44	2.305966	0.050708	0
GFL012 11+50E	DIRT	Niton	XL3t	8/3/2012	60	0		0		22.13	10.41	142	24.25	0		0		1093	154.49	2.318414	0.05108	0
GFL012 11+75E	DIRT	Niton	XL3t	8/3/2012	60	0		0		0		111	21.94	0		0		985	150.82	2.652727	0.055131	0
GFL012 12+00E	DIRT	Niton	XL3t	8/3/2012	60	0		0		22.92	10.56	87	20.41	0		0		768	137.68	2.692915	0.055536	0
GFL012 12+25E	DIRT	Niton	XL3t	8/3/2012	60	0		0		0		169	27.32	0		0		1984	210.07	2.729709	0.058348	0
GFL012 12+50E	DIRT	Niton	XL3t	8/3/2012	60	0		0		24.54	11.01	170	26.36	0		0		1185	165.06	3.102664	0.060227	0
GFL012 12+75E	DIRT	Niton	XL3t	8/3/2012	60	0		0		0		162	27.75	0		0		2390	231.59	2.205131	0.053796	0
GFL012 13+00E	DIRT	Niton	XL3t	8/3/2012	60	0		0		0		133	24.42	0		0		1123	161.5	2.278135	0.052382	0
GFL012 13+25E	DIRT	Niton	XL3t	8/3/2012	60	0		55.78	28.03	0		131	23.86	0		0		1787	195.31	2.406186	0.053421	0
GFL012 13+50E	DIRT	Niton	XL3t	8/3/2012	60	0		54.55	28.14	19.11	10.33	138	24.51	0		0		990	152.49	2.129017	0.050363	0
GFL012 13+75E	DIRT	Niton	XL3t	8/3/2012	10	0		0		0		159	54.22	0		0		578	265.02	2.287878	0.109954	0
GFL012 14+00E	DIRT	Niton	XL3t	8/3/2012	60	0		0		0		132	22.76	0		0		547	118.1	2.138158	0.048576	0
GFL012 14+25E	DIRT	Niton	XL3t	8/3/2012	60	0		0		20.66	10.34	123	22.88	0		0		738	132.22	1.854793	0.046088	0
GFL012 14+50E	DIRT	Niton	XL3t	8/4/2012	60	0		0		15.36	9.81	115	22.31	0		0		494	116.17	2.091303	0.048581	0
GFL012 14+75E	DIRT	Niton	XL3t	8/4/2012	60	0		0		18.81	9.98	93	20.32	0		0		559	117.86	1.859503	0.045263	0
GFL012 15+00E	DIRT	Niton	XL3t	8/4/2012	60	0		0		22	10.49	128	23.28	0		0		585	123.75	2.20848	0.050253	0
GFL012 15+25E	DIRT	Niton	XL3t	8/4/2012	60	0		0		0		46	15.59	0		0		441	104.31	1.182641	0.03563	0
GFL012 15+50E	DIRT	Niton	XL3t	8/4/2012	60	0		39.97	26.47	27.45	11.27	105	22.14	0		0		1722	190.31	2.526141	0.054242	0
GFL012 15+75E	DIRT	Niton	XL3t	8/4/2012	60	0		0		27.71	11.08	102	21.75	0		0		515	120.02	2.549294	0.054421	0
GFL012 16+00E	DIRT	Niton	XL3t	8/4/2012	60	0		0		24.88	10.65	61	17.82	0		0		830	137.72	2.021402	0.047658	0
GFL012 16+25E	DIRT	Niton	XL3t	8/4/2012	60	0		0		0		90	20.2	0		0		242	93.75	2.036291	0.047422	0
GFL012 16+50E	DIRT	Niton	XL3t	8/4/2012	60	0		0		0		40	16.01	0		0		218	90.05	1.494211	0.041128	0
GFL012 16+75E	DIRT	Niton	XL3t	8/4/2012	60	0		0		0		49	16.1	0		0		218	87.12	1.381352	0.038759	0
GFL012 17+00E	DIRT	Niton	XL3t	8/4/2012	60	0		0		18.82	9.97	78	19.18	0		0		314	100.04	2.237944	0.05012	0
GFL012 17+25E	DIRT	Niton	XL3t	8/4/2012	60	0		0		18.97	10.14	83	19.85	0		0		616	124.55	1.944353	0.047031	0
GFL012 17+50E	DIRT	Niton	XL3t	8/4/2012	60	0		0		0		46	15.7	0		0		118	74.6	1.293387	0.037038	0
GFL012 17+75E	DIRT	Niton	XL3t	8/4/2012	60	0		0		0		0		0		0		185	80.86	1.05256	0.033745	0
GFL012 18+00E	DIRT	Niton	XL3t	8/4/2012	60	0		0		20.23	10.56	101	21.67	0		0		319	104.8	2.355241	0.052669	0
GFL012 18+25E	DIRT	Niton	XL3t	8/4/2012	60	0		0		29.67	11.27	119	22.72	0		0		374	105.76	2.23673	0.050663	0
GFL012 18+50E	DIRT	Niton	XL3t	8/4/2012	60	0		0		14.9	9.45	87	19.99	0		0		498	112.51	1.642182	0.042629	0
GFL012 18+75E	DIRT	Niton	XL3t	8/4/2012	60	0		0		0		50	16.68	0		0		122	77.81	1.336773	0.038738	0

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
GFL012 19+00E	DIRT	Niton	XL3t	8/4/2012	60	0		0		0		38	15.06	0		0		235	85.57	1.144169	0.034996	0
GFL012 19+25E	DIRT	Niton	XL3t	8/4/2012	60	0		0		22.68	10.24	62	17.79	0		0		428	106.66	1.527523	0.040751	0
GFL012 19+50E	DIRT	Niton	XL3t	8/4/2012	60	0		0		0		70	18.05	0		0		244	91.2	1.466629	0.040221	0
GFL012 19+75E	DIRT	Niton	XL3t	8/4/2012	60	0		0		31.39	12.02	125	24.28	0		0		789	144.58	2.707007	0.058059	0
GFL012 20+00E	DIRT	Niton	XL3t	8/4/2012	60	0		0		21.81	11.25	148	26.77	0		0		303	112	2.977805	0.062645	0
GFL012 20+25E	DIRT	Niton	XL3t	8/4/2012	60	0		0		33.76	11.96	78	19.71	0		0		864	144.11	1.972979	0.048548	0
GFL012 20+50E	DIRT	Niton	XL3t	8/4/2012	60	0		0		23.78	10.59	120	22.76	0		0		585	124.78	2.641408	0.054749	0
GFL012 20+75E	DIRT	Niton	XL3t	8/4/2012	60	0		0		21.83	10.65	69	18.27	0		0		262	95.63	1.797736	0.0452	0
GFL012 21+00E	DIRT	Niton	XL3t	8/4/2012	60	0		0		15.92	9.52	52	16.27	0		0		186	83.69	1.394478	0.038629	0
GFL012 21+25E	DIRT	Niton	XL3t	8/4/2012	60	0		0		22.53	10.17	57	17.02	0		0		291	95.05	1.473768	0.040206	0
GFL012 21+50E	DIRT	Niton	XL3t	8/4/2012	60	0		0		22.79	10.93	95	21.58	0		0		388	110.93	1.719721	0.045964	0
GFL012 21+75E	DIRT	Niton	XL3t	8/4/2012	60	0		0		0		79	19.44	0		0		186	83.97	1.176496	0.036426	0
GFL012 22+00E	DIRT	Niton	XL3t	8/4/2012	60	0		0		27.46	11.18	89	20.57	0		0		296	98.33	1.597704	0.043381	0
GFL012 22+50E	DIRT	Niton	XL3t	8/4/2012	60	0		0		29.3	11.41	199	28.02	0		0		457	118.48	3.062274	0.059518	0
GFL012 22+75E	DIRT	Niton	XL3t	8/4/2012	60	0		0		19.6	10.49	123	23.25	0		0		608	127.31	2.27504	0.051773	0
GFL012 23+00E	DIRT	Niton	XL3t	8/4/2012	60	0		0		14.96	9.73	82	19.34	0		0		202	89.53	1.721046	0.043817	0
GFL012 23+25E	DIRT	Niton	XL3t	8/4/2012	60	0		0		20.03	10.18	81	19.34	0		0		380	105	1.807704	0.044789	0
GFL012 23+50E	DIRT	Niton	XL3t	8/4/2012	60	0		0		18.64	10.26	118	22.66	0		0		493	117.67	2.444706	0.053118	0
GFL012 24+00E	DIRT	Niton	XL3t	8/4/2012	60	0		0		17.07	9.97	148	24.48	0		0		318	104.26	2.554341	0.053754	0
GFL012 24+25E	DIRT	Niton	XL3t	8/4/2012	60	0		0		21.58	10.31	120	22.7	0		0		699	132.26	2.304365	0.051428	0
GFL012 24+50E	DIRT	Niton	XL3t	8/4/2012	60	0		0		21.58	10.62	142	24.46	0		0		923	147.52	2.566311	0.054343	0
GFL012 24+75E	DIRT	Niton	XL3t	8/4/2012	60	0		0		18.5	9.97	131	23.74	0		0		341	106.01	2.425392	0.052469	0
GFL012 25+00E	DIRT	Niton	XL3t	8/4/2012	60	0		0		24.7	10.72	121	22.63	0		0		1133	156.68	1.995546	0.047618	0
GFL012 25+25E	DIRT	Niton	XL3t	8/4/2012	60	0		0		0		111	21.83	0		0		637	126.85	2.424253	0.052151	0
GFL012 25+75E	DIRT	Niton	XL3t	8/4/2012	60	0		0		24.62	10.88	118	23.21	0		0		1341	171.78	2.44928	0.053479	0
GFL012 26+00E	DIRT	Niton	XL3t	8/4/2012	60	0		0		23.91	10.79	285	32.89	0		0		3963	276.08	2.563645	0.054819	0
GFL012 26+25E	DIRT	Niton	XL3t	8/4/2012	60	0		0		31.83	11.93	211	29.61	0		0		3536	270.52	3.2379	0.063109	0
GFL012 26+50E	DIRT	Niton	XL3t	8/4/2012	60	0		0		27.67	11.3	145	24.72	0		0		1937	201.63	3.169803	0.060691	0
GFL012 26+75E	DIRT	Niton	XL3t	8/4/2012	60	9	6.13	0		38.21	13.1	129	25.6	0		0		2180	226.97	2.698386	0.060226	0
GFL012 27+00E	DIRT	Niton	XL3t	8/4/2012	60	0		0		28.49	11.2	153	25.2	0		0		1648	187.91	2.877648	0.057876	0
GFL012 27+25E	DIRT	Niton	XL3t	8/4/2012	60	0		0		24.21	11	132	23.72	0		0		686	135.04	2.824386	0.057753	0
GFL012 27+50E	DIRT	Niton	XL3t	8/4/2012	60	0		0		39.48	12.35	118	22.82	0		0		1272	169.13	2.767684	0.056812	0
GFL012 27+75E	DIRT	Niton	XL3t	8/4/2012	60	0		0		20.21	10.6	120	22.91	0		0		1246	169.04	2.888521	0.058332	0
GFL012 28+00E	DIRT	Niton	XL3t	8/4/2012	60	0		0		18.08	10.57	135	24.64	0		0		457	121.86	2.755392	0.058418	0
GFL012 28+25E	DIRT	Niton	XL3t	8/4/2012	60	0		0		0		92	20.74	0		0		673	133.6	2.624364	0.055444	0
GFL012 28+50E	DIRT	Niton	XL3t	8/4/2012	60	0		0		19.38	10.82	135	24.96	0		0		736	141.79	2.935287	0.060079	0
GFL012 28+75E	DIRT	Niton	XL3t	8/4/2012	60	0		0		23.67	10.64	147	24.67	0		0		1095	157.21	2.710173	0.055673	0
GFL012 29+00E	DIRT	Niton	XL3t	8/4/2012	60	0		0		16.06	9.98	152	25.1	0		0		1376	171.47	2.237765	0.05087	0
GFL012 29+25E	DIRT	Niton	XL3t	8/4/2012	60	0		0		0		151	24.95	0		0		645	129.16	2.577595	0.054415	0
GFL012 29+50E	DIRT	Niton	XL3t	8/4/2012	60	0		0		14.88	9.69	181	26.99	0		0		1210	164.54	2.643087	0.055189	0
GFL012 29+75E	DIRT	Niton	XL3t	8/4/2012	60	0		0		22.88	10.72	136	24.02	98	51.79	0		464	116.37	2.637185	0.054941	0
GFL012 30+00E	DIRT	Niton	XL3t	8/4/2012	60	0		0		16.54	10.1	146	24.87	0		0		1954	202.85	2.437584	0.053963	0
GFL012 30+25E	DIRT	Niton	XL3t	8/4/2012	60	0		0		15.7	9.76	169	26.21	0		0		359	109.22	2.856987	0.057168	0
GFL012 30+50E	DIRT	Niton	XL3t	8/4/2012	60	0		0		0		179	26.43	0		0		569	123.58	2.739956	0.055832	0
GFL012 30+75E	DIRT	Niton	XL3t	8/4/2012	60	0		0		16.48	10.01	120	22.7	0		0		834	140.37	2.714491	0.055349	0

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
GFL012 31+00	DIRT	Niton	XL3t	8/4/2012	60	0		0		16.9	10	103	21.29	0		0		1463	175.54	2.311529	0.051373	0
GFL012 31+25E	DIRT	Niton	XL3t	8/4/2012	60	0		0		18.36	10.39	103	22.5	0		0		655	132.64	2.218258	0.051987	0
GFL012 31+50E	DIRT	Niton	XL3t	8/4/2012	60	0		0		0		146	25.02	0		0		616	128.86	2.158471	0.050702	0
GFL012 31+75E	DIRT	Niton	XL3t	8/4/2012	60	0		0		22.93	10.84	138	24.67	0		0		1239	168.93	2.733886	0.057007	0
GFL012 32+00E	DIRT	Niton	XL3t	8/4/2012	60	0		0		14.56	9.52	72	19.1	0		0		510	117.69	1.93918	0.046992	0
GFL012 32+25E	DIRT	Niton	XL3t	8/4/2012	60	0		0		15.26	9.83	81	19.66	0		0		312	101.78	1.851001	0.045945	0
GFL012 32+50E	DIRT	Niton	XL3t	8/4/2012	60	0		0		0		67	18.08	0		0		320	99.14	1.758187	0.044246	0
GFL012 32+75E	DIRT	Niton	XL3t	8/4/2012	60	0		0		0		69	18.37	0		0		261	95.39	1.82806	0.045596	0
GFL012 33+00E	DIRT	Niton	XL3t	8/4/2012	60	0		0		33.91	11.9	86	20.32	0		0		1087	157.96	2.70624	0.055835	0
GFL012 33+25E	DIRT	Niton	XL3t	8/4/2012	60	0		0		14.86	9.81	73	18.46	0		0		393	106.75	1.830524	0.045256	0
GFL012 33+50E	DIRT	Niton	XL3t	8/4/2012	60	0		41.91	24.83	14.48	9.2	37	14.59	0		0		257	88.77	1.322843	0.037615	0
GFL012 33+75E	DIRT	Niton	XL3t	8/4/2012	60	0		0		17.6	9.99	72	18.86	0		0		180	86.16	1.644105	0.042872	0
GFL012 34+00E	DIRT	Niton	XL3t	8/4/2012	60	0		0		0		54	17.03	0		0		297	98.79	2.003448	0.047648	0
GFL012 34+25E	DIRT	Niton	XL3t	8/4/2012	60	0		0		19.96	10.22	69	18.66	0		0		372	105.36	1.94	0.046754	0
GFL012 34+50E	DIRT	Niton	XL3t	8/4/2012	60	0		0		20.48	10.35	85	20.08	0		0		898	144.7	2.169698	0.049899	0
GFL012 34+75E	DIRT	Niton	XL3t	8/4/2012	60	0		0		0		88	20.63	0		0		458	115.86	1.587438	0.043979	0
GFL012 35+00E	DIRT	Niton	XL3t	8/4/2012	60	0		0		0		97	21.31	87	52.84	0		636	128.28	2.025429	0.049014	0
GFL012 35+25E	DIRT	Niton	XL3t	8/4/2012	60	0		0		17.94	9.96	50	16.42	0		0		439	110.09	1.579543	0.042124	0
GFL012 35+50E	DIRT	Niton	XL3t	8/4/2012	60	0		0		0		97	21.78	0		0		1113	163.52	2.92145	0.05937	14
GFL012 35+75E	DIRT	Niton	XL3t	8/4/2012	60	0		0		26.5	10.74	122	22.26	0		0		738	132.41	2.332117	0.051004	0
GFL012 36+00E	DIRT	Niton	XL3t	8/4/2012	60	0		42.32	26.3	21.31	10.34	101	21.13	0		0		1112	157.6	2.494919	0.053323	0
GFL012 36+25E	DIRT	Niton	XL3t	8/4/2012	60	0		0		0		93	20.55	0		0		496	115.93	2.185205	0.049448	0
GFL012 36+50E	DIRT	Niton	XL3t	8/4/2012	60	0		0		0		93	20.78	0		0		412	107.53	1.708275	0.044144	0
GFL012 36+75E	DIRT	Niton	XL3t	8/4/2012	60	0		0		0		143	24.42	0		0		788	138.07	2.532923	0.05353	0
GFL012 37+00E	DIRT	Niton	XL3t	8/4/2012	60	0		0		0		69	18.73	0		0		356	105.06	2.160817	0.049506	0
GFL012 37+25E	DIRT	Niton	XL3t	8/4/2012	60	0		0		0		21	12.42	0		0		201	83.91	1.403641	0.038368	0
GFL012 37+50E	DIRT	Niton	XL3t	8/4/2012	60	0		0		21.88	10.45	106	21.44	0		0		492	115.19	2.333867	0.051272	0
GFL012 37+75E	DIRT	Niton	XL3t	8/4/2012	60	0		0		0		31	14.23	0		0		283	90.57	1.086083	0.034138	0
GFL012 38+00E	DIRT	Niton	XL3t	8/4/2012	60	0		0		0		93	20	0		0		332	103.48	2.261096	0.050051	0
GFL012 38+25E	DIRT	Niton	XL3t	8/4/2012	60	0		0		0		54	16.82	0		0		198	87.05	1.745759	0.043494	0
GFL012 38+50E	DIRT	Niton	XL3t	8/4/2012	60	0		0		14.77	9.34	45	15.94	0		0		229	88.87	1.628864	0.041769	0
GFL012 38+75E	DIRT	Niton	XL3t	8/4/2012	60	0		0		0		79	19.09	0		0		371	104.36	2.481857	0.051701	0
GFL012 39+00E	DIRT	Niton	XL3t	8/4/2012	60	0		0		0		39	15.04	0		0		187	84.64	1.615454	0.041651	0
GFL012 39+25E	DIRT	Niton	XL3t	8/4/2012	60	0		0		32.02	11.38	64	18.04	0		0		394	107.92	2.319458	0.051071	0
GFL012 39+50E	DIRT	Niton	XL3t	8/4/2012	60	0		0		36.42	11.58	84	19.55	0		0		248	92.65	2.122188	0.048104	0
GFL012 39+75E	DIRT	Niton	XL3t	8/4/2012	60	0		46.58	27.97	40.66	12.7	75	20.19	0		0		632	134.15	3.360784	0.063635	0
GFL012 40+00E	DIRT	Niton	XL3t	8/4/2012	60	0		0		0		61	16.96	0		0		172	81.59	1.590538	0.041072	0
GFL012 40+25E	DIRT	Niton	XL3t	8/4/2012	60	0		0		0		166	26.38	0		0		1433	176.14	2.100168	0.049869	0
GFL012 40+50E	DIRT	Niton	XL3t	8/4/2012	60	0		0		0		75	18.68	0		0		844	136.93	2.2346	0.049302	0
GFL012 40+75E	DIRT	Niton	XL3t	8/4/2012	60	0		0		14.45	9.34	78	18.86	0		0		334	99.47	1.7718	0.043741	0
GFL012 41+00E	DIRT	Niton	XL3t	8/5/2012	60	0		0		22.51	10.31	130	23.3	0		0		754	133.88	2.254185	0.050377	0
GFL012 41+25E	DIRT	Niton	XL3t	8/5/2012	60	0		0		0		88	21.08	0		0		611	128.86	2.115703	0.050688	0
GFL012 41+50E	DIRT	Niton	XL3t	8/5/2012	60	0		0		21.7	10.28	100	20.93	0		0		939	143.78	1.918356	0.04623	0
GFL012 41+75E	DIRT	Niton	XL3t	8/5/2012	60	0		0		20.06	10.22	133	24.32	0		0		1573	183.91	2.165514	0.050653	0
GFL012 42+00E	DIRT	Niton	XL3t	8/5/2012	60	0		0		16.23	9.96	105	21.34	0		0		541	118.14	2.092122	0.048309	0

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
GFL012 42+25E	DIRT	Niton	XL3t	8/5/2012	60	0		0		22.12	10.44	126	22.8	0		0		742	133.31	2.144512	0.049098	0
GFL012 42+50E	DIRT	Niton	XL3t	8/5/2012	60	0		0		0		78	19.44	0		0		366	104.17	1.874234	0.046367	0
GFL012 43+00E	DIRT	Niton	XL3t	8/5/2012	60	0		0		0		109	21.83	0		0		638	126.32	2.183977	0.049679	0
GFL012 43+25E	DIRT	Niton	XL3t	8/5/2012	60	0		0		18.16	10.11	99	20.77	0		0		446	109.91	1.823838	0.04525	0
GFL012 43+50E	DIRT	Niton	XL3t	8/5/2012	60	0		0		18.08	9.96	81	19.73	77.78	50.79	0		613	123.73	2.190776	0.049529	0
GFL012 43+75E	DIRT	Niton	XL3t	8/5/2012	60	0		0		25.26	10.56	90	20.28	0		0		322	98.84	1.896457	0.045611	0
GFL012 44+00E	DIRT	Niton	XL3t	8/5/2012	60	0		0		25.59	10.82	86	19.78	0		0		795	134.45	1.882915	0.045657	0
GFL012 44+25E	DIRT	Niton	XL3t	8/5/2012	60	0		0		26.18	10.94	103	20.99	0		0		719	130.65	1.884583	0.046172	0
GFL012 44+50E	DIRT	Niton	XL3t	8/5/2012	60	0		0		0		73	20.91	0		0		930	153.64	1.670005	0.046782	0
GFL012 44+75E	DIRT	Niton	XL3t	8/5/2012	60	0		0		0		67	18.67	0		0		403	107.22	1.569716	0.042477	0
GFL012 45+00E	DIRT	Niton	XL3t	8/5/2012	60	0		0		21.5	10.26	121	22.97	0		0		579	120.7	2.038413	0.047868	0
GFL012 45+25E	DIRT	Niton	XL3t	8/5/2012	60	0		0		17.98	10.14	55	17	0		0		232	92.56	1.790986	0.044987	0
GFL012 45+50E	DIRT	Niton	XL3t	8/5/2012	60	0		0		14.59	9.68	49	16.23	0		0		264	93.6	1.654327	0.042759	0
GFL012 45+75E	DIRT	Niton	XL3t	8/5/2012	60	0		0		0		67	17.9	0		0		338	100.74	1.829491	0.044864	0
GFL012 46+00E	DIRT	Niton	XL3t	8/5/2012	60	0		0		16.51	10.08	79	19.71	0		0		716	134.55	2.267424	0.051404	0
GFL013 00+00	DIRT	Niton	XL3t	8/5/2012	60	0		0		0		42	15.64	0		0		302	97.45	1.578346	0.04157	0
GFL013 00+25E	DIRT	Niton	XL3t	8/5/2012	60	0		0		0		53	16.6	0		0		168	83.75	1.581901	0.041446	0
GFL013 00+50E	DIRT	Niton	XL3t	8/5/2012	60	0		0		17.8	10.14	74	18.71	0		0		763	133.16	1.937889	0.046548	0
GFL013 00+75E	DIRT	Niton	XL3t	8/5/2012	60	0		0		0		95	20.39	0		0		541	117.65	1.93174	0.046363	0
GFL013 01+00E	DIRT	Niton	XL3t	8/5/2012	60	0		0		22.38	10.6	94	20.92	0		0		463	114.48	1.993104	0.048037	0
GFL013 01+25E	DIRT	Niton	XL3t	8/5/2012	60	0		0		18.28	9.99	48	16.67	0		0		335	100.51	1.771013	0.044563	0
GFL013 01+50E	DIRT	Niton	XL3t	8/5/2012	60	0		0		0		85	20.21	0		0		499	117.6	1.741809	0.04528	0
GFL013 01+75E	DIRT	Niton	XL3t	8/5/2012	60	0		0		23.89	10.85	83	20.32	0		0		339	103.8	1.897772	0.046804	0
GFL013 02+00E	DIRT	Niton	XL3t	8/5/2012	60	0		0		24.31	10.98	96	21.07	0		0		376	107.67	1.974773	0.047846	0
GFL013 02+25E	DIRT	Niton	XL3t	8/5/2012	60	0		0		19.62	10.49	107	22.28	0		0		711	134.51	1.923078	0.048195	0
GFL013 02+50E	DIRT	Niton	XL3t	8/5/2012	60	0		0		19.75	10.91	110	24	0		0		584	134.34	2.514283	0.057351	0
GFL013 02+75E	DIRT	Niton	XL3t	8/5/2012	60	0		0		0		64	18.05	0		0		574	119.7	1.584451	0.042397	0
GFL013 03+00E	DIRT	Niton	XL3t	8/5/2012	60	9.46	6.13	0		21.8	11.25	78	20.79	0		0		418	115.89	1.929848	0.050045	0
GFL013 03+25E	DIRT	Niton	XL3t	8/5/2012	60	0		0		19.65	11.02	64	19.64	0		0		1171	167.19	1.458763	0.043338	0
GFL013 03+50E	DIRT	Niton	XL3t	8/5/2012	60	0		0		20.76	9.97	71	18.39	0		0		534	114.47	1.501107	0.040717	0
GFL013 03+75E	DIRT	Niton	XL3t	8/5/2012	60	0		0		16.89	10.42	124	23.89	0		0		487	123.28	3.015465	0.060476	0
GFL013 04+00E	DIRT	Niton	XL3t	8/5/2012	60	0		0		0		53	16.98	0		0		214	88.49	1.755384	0.043897	0
GFL013 04+50E	DIRT	Niton	XL3t	8/5/2012	60	0		0		16.53	9.98	65	18.46	0		0		707	129.9	1.875045	0.046385	0
GFL013 04+75E	DIRT	Niton	XL3t	8/5/2012	60	0		0		24.19	10.95	171	26.73	0		0		731	138.21	3.011761	0.059707	0
GFL013 05+00E	DIRT	Niton	XL3t	8/5/2012	60	0		0		17.06	9.88	117	22.41	0		0		551	120.88	2.381473	0.051993	0
GFL013 05+25E	DIRT	Niton	XL3t	8/5/2012	60	0		0		0		45	15.79	0		0		347	97.83	1.344436	0.037786	0
GFL013 05+50E	DIRT	Niton	XL3t	8/5/2012	60	0		0		37.65	12.58	89	21.18	0		0		1703	196.74	3.028988	0.061128	0
GFL013 05+75E	DIRT	Niton	XL3t	8/5/2012	60	0		0		0		66	17.82	0		0		175	84.71	1.621301	0.0418	0
GFL013 06+00E	DIRT	Niton	XL3t	8/5/2012	60	0		0		23.82	10.89	66	18.94	0		0		345	107.05	2.157916	0.050683	0
GFL013 06+25E	DIRT	Niton	XL3t	8/5/2012	60	0		0		24.71	10.82	72	18.75	0		0		912	144.53	2.25135	0.050547	0
GFL013 06+50E	DIRT	Niton	XL3t	8/5/2012	60	0		0		0		102	21.01	0		0		1050	151.25	2.410591	0.051675	0
GFL013 06+75E	DIRT	Niton	XL3t	8/5/2012	60	0		0		0		58	17.05	0		0		202	87.19	1.773145	0.044107	0
GFL013 07+00E	DIRT	Niton	XL3t	8/5/2012	60	0		0		21.46	10.46	114	22.52	0		0		253	98.98	2.504363	0.053621	0
GFL013 07+25E	DIRT	Niton	XL3t	8/5/2012	60	0		0		38.37	12.79	87	21.47	0		0		1369	180.92	2.852627	0.059896	0
GFL013 07+50E	DIRT	Niton	XL3t	8/5/2012	60	0		0		0		74	19.09	0		0		417	107.52	1.820511	0.045027	0

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
GFL013 07+75E	DIRT	Niton	XL3t	8/5/2012	60	0		0		0		98	20.7	0		0		360	102.89	2.041388	0.047122	0
GFL013 08+00E	DIRT	Niton	XL3t	8/5/2012	60	0		0		23.59	10.57	76	18.74	0		0		246	92.25	1.919297	0.04582	0
GFL013 08+25E	DIRT	Niton	XL3t	8/5/2012	60	0		0		0		55	15.92	0		0		223	86.14	1.470889	0.039104	0
GFL013 08+50E	DIRT	Niton	XL3t	8/5/2012	60	0		0		25.24	10.86	121	23.11	0		0		966	150.66	2.273211	0.051646	0
GFL013 08+75E	DIRT	Niton	XL3t	8/5/2012	60	0		46.19	27.57	30.84	11.83	95	21.48	0		0		636	132.43	2.94255	0.058903	0
GFL013 09+00E	DIRT	Niton	XL3t	8/5/2012	60	0		0		21.17	10.73	87	20.15	0		0		594	125.17	2.608109	0.054861	0
GFL013 09+25E	DIRT	Niton	XL3t	8/5/2012	60	0		0		17.5	10.08	96	20.9	0		0		425	111.41	2.414763	0.052051	0
GFL013 09+50E	DIRT	Niton	XL3t	8/5/2012	60	0		0		17.68	10.05	116	22.27	0		0		546	119.94	2.283785	0.050833	0
GFL013 09+75E	DIRT	Niton	XL3t	8/5/2012	60	0		0		20.3	10.26	98	21.21	0		0		599	123.24	2.173476	0.049491	0
GFL013 10+00E	DIRT	Niton	XL3t	8/5/2012	60	0		0		31.6	11.28	136	24.08	0		0		621	128.49	2.646145	0.055054	0
GFL013 10+25E	DIRT	Niton	XL3t	8/5/2012	60	0		0		30.24	11.25	130	23.53	0		0		765	136.66	2.406827	0.052465	0
GFL013 10+50E	DIRT	Niton	XL3t	8/5/2012	60	0		0		19.03	10.31	142	24.08	0		0		1354	169.81	2.656957	0.054794	0
GFL013 10+75E	DIRT	Niton	XL3t	8/5/2012	60	0		0		0		65	18.16	0		0		741	132.22	1.734936	0.044479	0
GFL013 11+00E	DIRT	Niton	XL3t	8/5/2012	60	0		0		17.36	9.51	60	17.09	0		0		447	104.95	1.597359	0.040878	0
GFL013 11+25E	DIRT	Niton	XL3t	8/5/2012	60	0		0		17.62	10.09	105	21.92	0		0		1085	154.37	2.194664	0.049911	0
GFL013 11+50E	DIRT	Niton	XL3t	8/5/2012	60	0		0		23.08	10.62	144	24	0		0		1418	172.11	2.130474	0.049086	0
GFL013 11+75E	DIRT	Niton	XL3t	8/5/2012	60	0		0		0		86	19.48	0		0		361	101.9	1.559916	0.041338	0
GFL013 12+00E	DIRT	Niton	XL3t	8/5/2012	60	0		0		24.12	10.74	163	25.62	0		0		689	131.71	2.720814	0.055677	0
GFL013 12+25E	DIRT	Niton	XL3t	8/5/2012	60	0		0		18.39	10.22	115	22.44	0		0		347	106.16	2.297489	0.051217	0
GFL013 12+50E	DIRT	Niton	XL3t	8/5/2012	60	0		0		0		98	21.17	0		0		553	121.01	2.079174	0.048612	0
GFL013 12+75E	DIRT	Niton	XL3t	8/5/2012	60	0		55.02	29.71	0		143	25.82	0		0		1535	190	2.821974	0.059861	0
GFL013 13+00E	DIRT	Niton	XL3t	8/5/2012	60	0		0		0		128	23.44	0		0		1123	157.22	2.542539	0.053684	0
GFL013 13+25E	DIRT	Niton	XL3t	8/5/2012	60	0		0		20.98	10.23	110	21.79	0		0		828	138.24	2.294655	0.050641	0
GFL013 13+50E	DIRT	Niton	XL3t	8/5/2012	60	0		0		20.33	10.22	177	26.77	0		0		688	133.58	2.671353	0.055455	0
GFL013 13+75E	DIRT	Niton	XL3t	8/5/2012	60	0		0		0		120	22.54	0		0		586	122.99	2.246923	0.049988	0
GFL013 14+00E	DIRT	Niton	XL3t	8/5/2012	60	0		0		19.37	10.03	132	23.26	0		0		1065	152.89	2.47508	0.052586	0
GFL013 14+25E	DIRT	Niton	XL3t	8/5/2012	60	0		0		16.69	9.9	113	21.67	0		0		705	129.06	2.292699	0.050263	0
GFL013 14+50E	DIRT	Niton	XL3t	8/5/2012	60	0		0		0		143	24.24	0		0		787	135.29	2.176705	0.049479	0
GFL013 14+75E	DIRT	Niton	XL3t	8/5/2012	60	0		0		23.29	10.73	143	24.63	0		0		1375	172.88	2.461462	0.053425	0
GFL013 15+00E	DIRT	Niton	XL3t	8/5/2012	60	0		0		20.26	10.07	132	23	0		0		1627	178.24	2.160296	0.048582	0
GFL013 15+25E	DIRT	Niton	XL3t	8/5/2012	60	0		0		0		129	23.15	0		0		975	148.26	2.44825	0.05255	0
GFL013 15+50E	DIRT	Niton	XL3t	8/5/2012	60	0		0		42.43	12.95	110	21.98	0		0		881	144.15	2.674058	0.055085	0
GFL013 15+75E	DIRT	Niton	XL3t	8/5/2012	60	0		0		0		164	25.51	0		0		1728	186.22	2.101058	0.048669	0
GFL013 16+00E	DIRT	Niton	XL3t	8/5/2012	60	0		0		19.6	10.07	141	24.02	0		0		1377	169.92	2.67188	0.0545	0
GFL013 16+25E	DIRT	Niton	XL3t	8/5/2012	60	0		0		0		150	24.76	0		0		1076	156.43	2.740759	0.055879	0
GFL013 16+50E	DIRT	Niton	XL3t	8/5/2012	60	0		0		0		132	22.93	0		0		212	91.72	2.325414	0.050375	0
GFL013 16+75E	DIRT	Niton	XL3t	8/5/2012	60	0		0		0		138	23.62	0		218	129.23	1219	159.48	2.081975	0.048015	0
GFL013 17+00E	DIRT	Niton	XL3t	8/5/2012	60	0		47.72	26.1	21.3	10.16	159	25.01	0		0		907	141.49	2.296755	0.050175	0
GFL013 17+25E	DIRT	Niton	XL3t	8/5/2012	60	0		0		20.22	10.17	174	26.17	0		0		1006	149.37	2.536503	0.053102	0
GFL013 17+50E	DIRT	Niton	XL3t	8/5/2012	60	0		0		18.01	10.02	133	23.41	0		0		613	123.32	2.236269	0.049847	0
GFL013 17+75E	DIRT	Niton	XL3t	8/5/2012	60	0		0		17.93	10.1	96	20.73	0		0		346	104.31	2.162254	0.049631	0
GFL013 18+00E	DIRT	Niton	XL3t	8/5/2012	60	0		0		0		58	16.94	0		0		569	116.55	1.518977	0.0404	0
GFL013 18+25E	DIRT	Niton	XL3t	8/5/2012	60	0		0		0		44	15.7	0		0		278	91.48	1.390502	0.038283	0
GFL013 18+50E	DIRT	Niton	XL3t	8/5/2012	60	0		0		17.12	9.48	54	16.53	0		0		277	90.61	1.404474	0.038779	0
GFL013 18+75E	DIRT	Niton	XL3t	8/5/2012	60	0		0		15.57	9.46	76	18.94	0		0		337	100.48	1.718601	0.043405	0

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
GFL013 19+00E	DIRT	Niton	XL3t	8/5/2012	60	0		0		0		73	18.49	0		0		245	91.21	1.517068	0.040879	0
GFL013 19+25E	DIRT	Niton	XL3t	8/5/2012	60	0		0		16.13	10.23	93	20.86	0		0		390	111.81	2.493778	0.053829	0
GFL013 19+50E	DIRT	Niton	XL3t	8/5/2012	60	0		0		0		41	15.65	0		0		271	93.23	1.753932	0.043448	0
GFL013 19+75E	DIRT	Niton	XL3t	8/5/2012	60	0		0		36.18	12.51	95	21.99	0		0		766	143.05	2.75522	0.058184	0
GFL013 20+00E	DIRT	Niton	XL3t	8/5/2012	60	0		43.45	26.53	17.64	9.99	125	23.46	0		0		342	106.8	2.723241	0.055678	0
GFL013 20+25E	DIRT	Niton	XL3t	8/5/2012	60	0		0		20.11	10.75	100	21.45	0		0		550	123.46	2.471127	0.05374	0
GFL013 20+50E	DIRT	Niton	XL3t	8/5/2012	60	0		0		21.35	10.8	104	21.81	0		0		1280	170.03	2.74155	0.05677	0
GFL013 20+75E	DIRT	Niton	XL3t	8/5/2012	60	0		46.54	26.56	0		175	26.6	0		0		535	121.34	2.58717	0.054236	0
GFL013 21+00E	DIRT	Niton	XL3t	8/5/2012	60	0		0		0		67	20.79	0		0		434	121.62	1.938711	0.051462	0
GFL013 21+25E	DIRT	Niton	XL3t	8/5/2012	60	0		0		0		84	19.95	0		0		423	110.95	2.134174	0.049479	0
GFL013 21+50E	DIRT	Niton	XL3t	8/5/2012	60	0		0		0		157	25.2	0		0		816	139.2	2.44478	0.052805	0
GFL013 21+75E	DIRT	Niton	XL3t	8/5/2012	60	0		0		20.2	10.13	122	22.5	0		0		784	135.2	2.260508	0.050144	0
GFL013 22+00E	DIRT	Niton	XL3t	8/5/2012	60	0		0		28.09	11.12	199	28.13	0		0		1557	180.46	2.445538	0.053024	0
GFL013 22+25E	DIRT	Niton	XL3t	8/5/2012	60	0		0		19.86	9.8	59	17.32	0		0		327	98.19	1.732783	0.043173	0
GFL013 22+50E	DIRT	Niton	XL3t	8/5/2012	60	0		0		24.34	10.53	68	18.15	0		0		708	128.25	1.879014	0.045411	0
GFL013 22+75E	DIRT	Niton	XL3t	8/5/2012	60	0		0		0		73	18.71	0		0		338	101.39	1.891505	0.04564	0
GFL013 23+00E	DIRT	Niton	XL3t	8/5/2012	60	0		0		0		60	17.75	73.27	48.07	0		342	102.28	2.06006	0.047615	0
GFL013 23+25E	DIRT	Niton	XL3t	8/5/2012	60	0		0		32.76	11.77	148	24.77	0		0		441	117.04	3.076863	0.059415	0
GFL013 23+50E	DIRT	Niton	XL3t	8/5/2012	60	0		40.17	25.94	20.89	10.34	145	24.24	0		0		1309	167.87	2.667038	0.054856	0
GFL013 23+75E	DIRT	Niton	XL3t	8/5/2012	60	0		0		33	11.89	127	23.72	0		0		1468	181.71	3.205499	0.061489	0
GFL013 24+00E	DIRT	Niton	XL3t	8/5/2012	60	0		0		36.3	11.71	121	22.69	0		0		1182	160.86	3.09134	0.058731	0
GFL013 24+25E	DIRT	Niton	XL3t	8/5/2012	60	0		0		15.14	9.92	95	21.19	0		0		1617	185.1	3.203834	0.060442	0
GFL013 24+50E	DIRT	Niton	XL3t	8/5/2012	60	0		0		26.61	11.28	128	23.83	0		0		779	142.47	3.229961	0.061812	0
GFL013 24+75E	DIRT	Niton	XL3t	8/5/2012	60	0		0		22.04	10.57	163	25.84	0		0		1282	168.42	3.086223	0.05938	0
GFL013 25+00E	DIRT	Niton	XL3t	8/5/2012	60	0		0		25.42	11.19	109	22.11	0		0		885	148.63	3.160813	0.060905	0
GFL013 25+25E	DIRT	Niton	XL3t	8/5/2012	60	0		0		26.46	11.35	140	24.6	0		0		1599	186.95	2.916998	0.05865	0
GFL013 25+50E	DIRT	Niton	XL3t	8/5/2012	60	0		0		16.26	9.81	127	23.44	0		0		784	138.21	2.646135	0.054975	0
GFL013 25+75E	DIRT	Niton	XL3t	8/5/2012	60	0		0		25.57	11.01	145	24.6	0		0		1464	177.04	2.721923	0.055972	0
GFL013 26+00E	DIRT	Niton	XL3t	8/5/2012	60	0		0		27.36	11.1	132	23.83	0		0		1338	172.23	2.867609	0.057526	0
GFL013 26+25E	DIRT	Niton	XL3t	8/5/2012	60	0		0		0		143	24.3	0		0		1917	196.77	2.637374	0.05455	0
GFL013 26+50E	DIRT	Niton	XL3t	8/5/2012	60	0		0		41.05	12.77	121	23.85	0		0		1475	186.49	3.469336	0.065254	0
GFL013 26+75E	DIRT	Niton	XL3t	8/5/2012	60	0		0		34.28	11.82	132	24.03	0		0		1273	172.23	3.531138	0.064357	0
GFL013 27+00E	DIRT	Niton	XL3t	8/5/2012	60	0		0		0		132	23.73	0		0		1409	175.67	2.866872	0.057672	16
GFL013 27+25E	DIRT	Niton	XL3t	8/5/2012	60	0		0		22.08	10.33	138	23.92	0		0		781	135.02	2.266026	0.050248	0
GFL013 27+50E	DIRT	Niton	XL3t	8/5/2012	60	0		0		24.64	10.64	105	21.31	0		0		2261	210.24	2.456804	0.052615	0
GFL013 27+75E	DIRT	Niton	XL3t	8/5/2012	60	0		0		49.53	13.38	202	28.73	0		0		634	134.26	3.708851	0.065972	0
GFL013 28+00E	DIRT	Niton	XL3t	8/5/2012	60	0		0		0		130	23.34	0		0		734	133.03	2.158876	0.049421	0
GFL013 28+25E	DIRT	Niton	XL3t	8/5/2012	60	0		0		37.75	12.32	124	23.53	0		0		552	126.79	3.160881	0.060648	0
GFL013 28+50E	DIRT	Niton	XL3t	8/5/2012	60	0		57.42	28.82	31.42	11.9	136	24.82	0		0		761	142.13	3.184699	0.061911	0
GFL013 28+75E	DIRT	Niton	XL3t	8/5/2012	60	0		0		17.1	9.88	97	21.12	0		0		441	109.74	1.85987	0.045781	0
GFL013 29+00E	DIRT	Niton	XL3t	8/5/2012	60	0		0		22.98	10.53	101	21.15	0		0		558	119.78	1.998631	0.047388	0
GFL013 29+25E	DIRT	Niton	XL3t	8/5/2012	60	0		0		17.74	10	90	19.81	0		0		599	122.86	2.007156	0.047207	0
GFL013 29+50E	DIRT	Niton	XL3t	8/5/2012	60	0		0		0		90	19.83	0		0		547	115.57	1.473744	0.040384	0
GFL013 29+75E	DIRT	Niton	XL3t	8/5/2012	60	0		0		0		59	17.32	0		0		223	89.26	1.699505	0.043086	0
GFL013 30+00E	DIRT	Niton	XL3t	8/5/2012	60	0		0		0		95	20.24	0		0		361	103.11	2.027674	0.047392	0

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
GFL013 30+25E	DIRT	Niton	XL3t	8/5/2012	60	0		0		20.94	10.52	91	20.88	0		0		623	128.15	2.014814	0.048994	0
GFL013 30+50E	DIRT	Niton	XL3t	8/5/2012	60	0		0		31.74	11.63	134	23.79	0		0		677	133.7	2.776874	0.05686	0
GFL013 30+75E	DIRT	Niton	XL3t	8/5/2012	60	0		0		35.74	12.18	125	23.71	0		0		1379	176.83	2.831651	0.058317	0
GFL013 31+00E	DIRT	Niton	XL3t	8/5/2012	60	0		0		28.17	11.09	108	21.76	0		0		522	121.02	2.697818	0.055248	0
GFL013 31+25E	DIRT	Niton	XL3t	8/5/2012	60	0		0		23.42	10.28	47	16.16	0		0		272	91.7	1.535627	0.040565	0
GFL013 31+50E	DIRT	Niton	XL3t	8/5/2012	60	0		0		0		69	18.29	0		0		606	122.44	1.934398	0.046516	0
GFL013 31+75E	DIRT	Niton	XL3t	8/5/2012	60	0		0		24.01	10.96	114	22.88	0		0		432	117.43	2.894863	0.058578	0
GFL013 32+00E	DIRT	Niton	XL3t	8/5/2012	60	0		0		0		79	18.99	0		0		480	113.56	2.076715	0.04803	0
GFL013 32+25E	DIRT	Niton	XL3t	8/6/2012	60		214.1		0	11.47	0	25	0		0		29954.21	147	155.88	0.061212	0.078712	
GFL013 32+50E	DIRT	Niton	XL3t	8/6/2012	60		293.02		0		0	19	0		0		19475.05	120	192.46	0.047256	0.054556	
GFL013 32+75E	DIRT	Niton	XL3t	8/6/2012	60		301.95		0	10.08	0	21	0		0		21753.31	106	206.66	0.049796	0.035183	
GFL013 33+00E	DIRT	Niton	XL3t	8/6/2012	60		276.56		0		0	19	0		0		17121.92	108	244.61	0.043639	0.041916	
GFL013 33+25E	DIRT	Niton	XL3t	8/6/2012	60		335.2		0		0	18	0		0		17717.59	95	256.56	0.045022	0.026593	
GFL013 33+50E	DIRT	Niton	XL3t	8/6/2012	60		183.58		0	12.48	0	23	0		0		31836.8	216	170.18	0.061138	0.225252	
GFL013 33+75E	DIRT	Niton	XL3t	8/6/2012	60		296.64		0		0	15	0		0		14857.96	96	253.34	0.040104	0.031878	
GFL013 34+00E	DIRT	Niton	XL3t	8/6/2012	60		263.54		0		0	18	0		0		18443.03	117	234.07	0.045223	0.055009	
GFL013 34+25E	DIRT	Niton	XL3t	8/6/2012	60		314.55		0	9.15	0	16	0		0		17792.41	89	351.67	0.044048	0.021946	
GFL013 34+50E	DIRT	Niton	XL3t	8/6/2012	60		288.88		0	11.21	0	17	0		0		18883.91	99	305.29	0.045673	0.031364	
GFL013 34+75E	DIRT	Niton	XL3t	8/6/2012	60		328.8	26.01	0		0	18	0		0		17435.39	109	280.33	0.043843	0.04456	
GFL013 35+00E	DIRT	Niton	XL3t	8/6/2012	60		307.36		0		0	15	0		0		13691.14	101	268.4	0.038105	0.039291	
GFL013 35+25E	DIRT	Niton	XL3t	8/6/2012	60		290.61		0	10.3	0	19	0		0		21423.04	102	258.86	0.048374	0.03449	
GFL013 35+50E	DIRT	Niton	XL3t	8/6/2012	60		246.16	28.57	0	11.11	0	26	0		0		23744.07	138	0	0.054375	0.071093	
GFL013 35+75E	DIRT	Niton	XL3t	8/6/2012	60		317.19		0		0	16	0		0		15707.55	105	177.24	0.041501	0.041467	
GFL013 36+00E	DIRT	Niton	XL3t	8/6/2012	60		287.64		0	9.88	0	16	0		0		18991.35	102	51.89	0.045706	0.035502	
GFL013 36+25E	DIRT	Niton	XL3t	8/6/2012	60		262.44		0	10.45	0	19	0		0		27238.75	106	138.25	0.056024	0.033254	
GFL013 36+50E	DIRT	Niton	XL3t	8/6/2012	60		308.43		0		0	22	0		0		23113.71	100	164.91	0.050768	0.030395	
GFL013 36+75E	DIRT	Niton	XL3t	8/6/2012	60		271.99		0	10.41	0	18	0		0		23064.25	106	135.91	0.051092	0.035096	
GFL013 37+00E	DIRT	Niton	XL3t	8/6/2012	60		283.87		0	9.54	0	19	0		0		15894.82	94	247.91	0.04163	0.028314	
GFL013 37+25E	DIRT	Niton	XL3t	8/6/2012	60		283.7		0	10.19	0	18	0		0		18996.15	106	205.64	0.046104	0.038867	
GFL013 37+50E	DIRT	Niton	XL3t	8/6/2012	60		312.46		0	9.52	0	17	0		0		19773.09	100	264.4	0.046719	0.032688	
GFL013 37+75E	DIRT	Niton	XL3t	8/6/2012	60		306.08		0		0	18	0		0		15332.96	86	337.63	0.040406	0.020182	
GFL013 38+00E	DIRT	Niton	XL3t	8/6/2012	60		283.86		0		0	18	0		0		20059.25	92	252.04	0.046568	0.023134	
GFL013 38+25E	DIRT	Niton	XL3t	8/6/2012	60		254.87		0	9.93	0	21	0		0		25168.13	132	190.72	0.053023	0.071621	
GFL013 38+50E	DIRT	Niton	XL3t	8/6/2012	60		330.19		0	9.3	0	15	0		0		11368.27	76	269.24	0.034347	0.015479	
GFL013 38+75E	DIRT	Niton	XL3t	8/6/2012	60		237.19		0		0	30	0		0		20935.69	149	0	0.069768	0.031479	
GFL013 39+00E	DIRT	Niton	XL3t	8/6/2012	60		257.45		0	10.23	0	27	0		0		24441.11	148	132.29	0.052617	0.094292	
GFL013 39+25E	DIRT	Niton	XL3t	8/6/2012	60		226.08		0	11.08	0	23	0		0		24783.48	152	207.89	0.052956	0.102983	
GFL013 39+50E	DIRT	Niton	XL3t	8/6/2012	60		236.28		77.83	12.17	0	24	0	50.94	0		29414.97	124	140.56	0.057811	0.055634	
GFL013 39+75E	DIRT	Niton	XL3t	8/6/2012	60		255.58		0	10.33	0	22	0		0		23806.11	147	198.28	0.051257	0.097298	
GFL013 40+00E	DIRT	Niton	XL3t	8/6/2012	60		234.42		0	9.54	0	23	0		0		21456.47	125	164.04	0.049355	0.062636	
GFL013 40+25E	DIRT	Niton	XL3t	8/6/2012	60		290		0		0	17	0		0		14744.21	128	191.75	0.039995	0.074476	
GFL013 40+50E	DIRT	Niton	XL3t	8/6/2012	60		276.42		0		0	23	0		0		23618.62	129	166.31	0.051395	0.066122	
GFL013 40+75E	DIRT	Niton	XL3t	8/6/2012	60		282.68		0	10.59	0	25	0		0		22272.01	146	184.07	0.0506	0.090389	
GFL013 41+00E	DIRT	Niton	XL3t	8/6/2012	60		285.91		0	10.69	0	21	0		0		20636.11	101	109.73	0.049007	0.029242	
GFL013 41+25E	DIRT	Niton	XL3t	8/6/2012	60		257.63		0	11	0	21	0		0		18326.07	152	0	0.04653	0.102559	

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
GFL013 41+50E	DIRT	Niton	XL3t	8/6/2012	60		254.05		0	12.33	0	22	0		0		22357.25	155	216.18	0.051742	0.100071	
GFL013 41+75E	DIRT	Niton	XL3t	8/6/2012	60		307.5		0	9.39	0	17	0		0		15795.88	85	268.68	0.041181	0.019896	
GFL013 42+00E	DIRT	Niton	XL3t	8/6/2012	60		264.27		0	10.09	0	18	0		0		29205.51	94	143.24	0.056549	0.020389	
GFL013 42+25E	DIRT	Niton	XL3t	8/6/2012	60		299.75		0	10.17	0	18	0		0		17816.03	97	196.33	0.044335	0.030979	
GFL013 42+50E	DIRT	Niton	XL3t	8/6/2012	60		253.09		0	10.08	0	23	0		0		28737.72	127	83.92	0.057359	0.060616	
GFL013 42+75E	DIRT	Niton	XL3t	8/6/2012	60		254.09		0	9.82	0	21	0		0		23916.28	120	129.01	0.051498	0.054446	
GFL013 43+00E	DIRT	Niton	XL3t	8/6/2012	60		257.16		0	10.45	0	23	0		0		24460.33	199	0	0.053868	0.185726	
GFL014 00+00	DIRT	Niton	XL3t	8/13/2012	60	0		0		24	10.77	149	25.25	0		0		590	127.75	2.914966	0.058264	0
GFL014 00+25E	DIRT	Niton	XL3t	8/13/2012	60	0		0		76.88	15.08	261	31.36	0		0		366	106.21	2.166488	0.049378	0
GFL014 00+50E	DIRT	Niton	XL3t	8/13/2012	60	0		0		38.59	11.78	166	25.18	0		0		512	115.1	2.276867	0.049694	0
GFL014 00+75E	DIRT	Niton	XL3t	8/13/2012	60	0		0		19.51	10.4	116	22.35	0		0		554	124.7	2.934627	0.05799	0
GFL014 01+00E	DIRT	Niton	XL3t	8/13/2012	60	0		49.59	26.98	32.59	11.49	107	21.71	0		0		1008	153.14	3.071691	0.059035	0
GFL014 01+25E	DIRT	Niton	XL3t	8/13/2012	60	0		0		33.08	11.52	106	21.59	0		0		386	109.5	2.644429	0.054431	0
GFL014 01+50E	DIRT	Niton	XL3t	8/13/2012	60	0		0		0		105	21.14	0		0		488	117.11	2.625631	0.054274	0
GFL014 01+75E	DIRT	Niton	XL3t	8/13/2012	60	0		0		27.5	11.17	129	23.82	0		0		1175	165.67	2.988783	0.059229	0
GFL014 02+00E	DIRT	Niton	XL3t	8/13/2012	60	0		0		15.29	9.73	110	21.97	0		0		1267	164.46	2.354999	0.051693	0
GFL014 02+25E	DIRT	Niton	XL3t	8/13/2012	60	0		0		0		109	21.91	0		0		450	114.34	2.557342	0.053942	0
GFL014 02+50E	DIRT	Niton	XL3t	8/13/2012	60	0		0		16.7	10.13	120	22.83	0		0		590	126.11	2.01964	0.048598	0
GFL014 02+75E	DIRT	Niton	XL3t	8/13/2012	60	0		0		0		169	25.99	0		0		1336	168.98	2.584947	0.054165	0
GFL014 03+00E	DIRT	Niton	XL3t	8/13/2012	60	0		0		20.7	10.53	120	23.04	0		0		1562	181.38	2.409857	0.052745	0
GFL014 03+25E	DIRT	Niton	XL3t	8/13/2012	60	0		0		0		151	24.75	0		0		641	127.8	2.49831	0.053431	0
GFL014 03+50E	DIRT	Niton	XL3t	8/13/2012	60	0		0		15.83	10.13	122	23.22	0		0		928	147.04	2.379267	0.05255	0
GFL014 03+75E	DIRT	Niton	XL3t	8/13/2012	60	0		0		0		79	19.28	0		0		275	94.18	1.612833	0.042348	0
GFL014 04+00E	DIRT	Niton	XL3t	8/13/2012	60	0		0		16.42	9.95	126	22.95	0		0		584	121.13	2.055057	0.048051	0
GFL014 04+25E	DIRT	Niton	XL3t	8/14/2012	60	0		0		22.11	10.93	110	23.19	0		0		1023	157.16	2.258272	0.052731	0
GFL014 04+50E	DIRT	Niton	XL3t	8/14/2012	60	0		0		22.65	10.54	158	25.51	0		0		665	130.66	2.482484	0.053301	0
GFL014 04+75E	DIRT	Niton	XL3t	8/14/2012	60	0		38.37	25.46	14.23	9.46	93	20.68	0		0		277	96.55	1.976804	0.046797	0
GFL014 05+00E	DIRT	Niton	XL3t	8/14/2012	60	0		55.98	27.2	23.75	10.65	89	20.26	0		0		771	134.76	2.098064	0.048698	0
GFL014 05+25E	DIRT	Niton	XL3t	8/14/2012	60	0		0		18.21	10.15	175	26.29	0		0		1040	154.28	2.676057	0.054989	0
GFL014 05+50E	DIRT	Niton	XL3t	8/14/2012	60	0		0		17.2	10.07	116	22.4	0		0		953	146.86	1.971038	0.047526	0
GFL014 05+75E	DIRT	Niton	XL3t	8/14/2012	60	0		0		21.73	10.44	143	24.52	0		0		721	133.99	2.333222	0.051814	0
GFL014 06+00E	DIRT	Niton	XL3t	8/14/2012	60	0		0		21.75	10.65	112	22.2	85.03	52.25	0		732	136.11	2.602195	0.054965	0
GFL014 06+25E	DIRT	Niton	XL3t	8/14/2012	60	0		0		33.73	11.89	88	20.74	0		0		639	132.87	3.034516	0.05995	0
GFL014 06+50E	DIRT	Niton	XL3t	8/14/2012	60	0		0		21.57	10.08	64	17.46	0		0		267	91.76	1.573614	0.041257	0
GFL014 06+75E	DIRT	Niton	XL3t	8/14/2012	60	0		0		32.18	11.51	79	19.77	0		0		315	105.18	2.547051	0.054338	0
GFL014 07+00E	DIRT	Niton	XL3t	8/14/2012	60	0		0		20.47	10.8	94	20.79	0		0		395	111.26	2.450499	0.053481	0
GFL014 07+25E	DIRT	Niton	XL3t	8/14/2012	60	0		0		0		85	19.97	0		0		226	91.76	1.862091	0.045694	0
GFL014 07+50E	DIRT	Niton	XL3t	8/14/2012	60	0		0		24.34	11.44	102	22.35	0		0		202	95.84	2.176802	0.052309	0
GFL014 07+75E	DIRT	Niton	XL3t	8/14/2012	60	0		45.28	26.1	0		102	21.1	0		0		375	104.99	2.005205	0.047346	0
GFL014 08+00E	DIRT	Niton	XL3t	8/14/2012	60	0		0		15.8	9.61	71	18.49	0		0		210	86.15	1.363577	0.038639	0
GFL014 08+25E	DIRT	Niton	XL3t	8/14/2012	60	0		0		23.43	10.58	123	22.61	0		0		443	112.26	2.665338	0.054397	0
GFL014 08+50E	DIRT	Niton	XL3t	8/14/2012	60	0		0		23.2	10.83	109	22.27	0		0		744	136.08	2.218213	0.051086	0
GFL014 08+75E	DIRT	Niton	XL3t	8/14/2012	60	0		0		21.96	10.21	88	19.9	0		0		526	117.27	2.335134	0.050652	0
GFL014 09+00E	DIRT	Niton	XL3t	8/14/2012	60	0		0		24.76	10.35	97	20.02	0		0		673	123.54	1.644533	0.04218	0
GFL014 09+25E	DIRT	Niton	XL3t	8/14/2012	60	0		0		0		113	22.57	0		0		511	119.39	2.152585	0.050177	0

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
GFL014 09+50E	DIRT	Niton	XL3t	8/14/2012	60	0		0		0		152	24.75	0		0		512	116.47	2.401923	0.051757	11
GFL014 09+75E	DIRT	Niton	XL3t	8/14/2012	60	0		0		18.99	10.18	63	17.97	0		0		362	104.41	1.911671	0.046447	0
GFL014 10+00E	DIRT	Niton	XL3t	8/14/2012	60	0		0		0		115	22.39	0		0		854	139.13	2.075143	0.048181	0
GFL014 10+25E	DIRT	Niton	XL3t	8/14/2012	60	0		0		26.97	11.05	123	22.9	0		0		573	124.1	2.599135	0.054483	0
GFL014 10+50E	DIRT	Niton	XL3t	8/14/2012	60	0		0		0		30	14.24	0		0		289	94.12	1.442666	0.039299	0
GFL014 10+75E	DIRT	Niton	XL3t	8/14/2012	60	0		0		15.89	9.88	86	19.89	0		0		399	107.1	2.064324	0.04785	0
GFL014 11+00E	DIRT	Niton	XL3t	8/14/2012	60	0		0		34.53	11.94	94	20.7	0		0		316	104.96	2.419383	0.053215	0
GFL014 11+25E	DIRT	Niton	XL3t	8/14/2012	60	0		0		21.87	10.12	126	22.69	0		0		339	100.99	2.307074	0.049881	0
GFL014 11+50E	DIRT	Niton	XL3t	8/14/2012	60	0		0		16.53	9.82	68	18.1	0		0		173	85.4	1.70447	0.043258	0
GFL014 11+75E	DIRT	Niton	XL3t	8/14/2012	60	0		0		16.09	9.71	92	19.87	0		0		933	140.58	1.862493	0.044906	0
GFL014 12+00E	DIRT	Niton	XL3t	8/14/2012	60	0		0		23.78	10.54	125	22.87	0		0		601	123.05	2.199183	0.049456	0
GFL014 12+25E	DIRT	Niton	XL3t	8/14/2012	60	0		0		0		115	22.05	0		0		340	102.37	2.26661	0.05008	0
GFL014 12+50E	DIRT	Niton	XL3t	8/14/2012	60	0		0		16.76	9.89	109	21.68	0		0		328	101.96	2.131653	0.048859	0
GFL014 12+75E	DIRT	Niton	XL3t	8/14/2012	60	0		0		21.52	10.64	67	18.39	0		0		821	136.93	2.156894	0.049097	0
GFL014 13+00E	DIRT	Niton	XL3t	8/14/2012	60	0		0		18.51	9.97	71	18.7	0		0		206	86.58	1.408103	0.039727	0
GFL014 13+25E	DIRT	Niton	XL3t	8/14/2012	60	0		0		24.91	10.72	147	24.74	0		0		576	123.86	2.4333	0.052687	0
GFL014 13+50E	DIRT	Niton	XL3t	8/14/2012	60	0		0		22.53	10.48	162	25.92	0		0		601	125.36	2.213468	0.050524	0
GFL014 13+75E	DIRT	Niton	XL3t	8/14/2012	60	0		0		22.72	10.6	100	21.13	0		0		159	85.9	1.950594	0.047101	0
GFL014 14+00E	DIRT	Niton	XL3t	8/14/2012	60	0		0		0		105	21.56	0		0		452	111.25	2.013299	0.047756	0
GFL014 14+25E	DIRT	Niton	XL3t	8/14/2012	60	0		0		16.91	10.09	125	23.43	0		0		917	145.33	1.735854	0.045126	0
GFL014 14+50E	DIRT	Niton	XL3t	8/14/2012	60	0		0		0		101	20.79	0		0		293	94.61	1.675116	0.043018	0
GFL014 14+75E	DIRT	Niton	XL3t	8/14/2012	60	0		0		0		98	21.89	0		0		327	103.72	1.777906	0.04661	0
GFL014 15+00E	DIRT	Niton	XL3t	8/14/2012	60	0		0		26.47	10.99	110	22.21	0		0		378	111.66	2.781377	0.056712	0
GFL014 15+25E	DIRT	Niton	XL3t	8/14/2012	60	0		0		0		99	21.13	0		0		697	130.36	2.074966	0.048962	0
GFL014 15+50E	DIRT	Niton	XL3t	8/14/2012	60	0		0		0		110	23.32	0		0		1080	161.04	2.038353	0.05053	0
GFL014 15+75E	DIRT	Niton	XL3t	8/14/2012	60	0		0		0		86	20.07	0		0		241	93.11	1.769213	0.045124	0
GFL014 16+00E	DIRT	Niton	XL3t	8/14/2012	60	0		0		17.42	9.91	75	18.94	0		0		445	107.43	1.613594	0.042326	0
GFL014 16+25E	DIRT	Niton	XL3t	8/14/2012	60	0		0		0		104	23.49	0		0		410	119.49	2.290635	0.055163	0
GFL014 16+50E	DIRT	Niton	XL3t	8/14/2012	60	0		0		19.55	10.97	126	24.76	0		276	148.21	752	144.07	2.315979	0.054686	0
GFL014 16+75E	DIRT	Niton	XL3t	8/14/2012	60	0		0		27.31	11.07	123	22.84	0		0		450	115.27	2.665568	0.054756	0
GFL014 17+00E	DIRT	Niton	XL3t	8/14/2012	60	0		0		30.01	11.49	90	21.04	0		0		371	110.65	2.613214	0.056084	0
GFL014 17+25E	DIRT	Niton	XL3t	8/14/2012	60	0		0		27.85	11.52	133	24.98	0		0		1030	159.76	2.69944	0.057835	0
GFL014 17+50E	DIRT	Niton	XL3t	8/14/2012	60	0		0		0		159	25.77	0		0		836	141.57	2.497664	0.053744	0
GFL014 17+75E	DIRT	Niton	XL3t	8/14/2012	60	0		0		0		135	24.01	0		0		545	120.89	2.385313	0.052237	0
GFL014 18+00E	DIRT	Niton	XL3t	8/14/2012	60	0		0		15.65	10.24	76	19.89	0		0		431	112.09	1.686903	0.044967	0
GFL014 18+25E	DIRT	Niton	XL3t	8/14/2012	60	0		0		16.2	10.45	180	28.1	88.52	54.85	0		1292	175.03	2.604379	0.056972	0
GFL014 18+50E	DIRT	Niton	XL3t	8/14/2012	60	0		52.78	30.51	31.35	12.32	88	22.15	0		0		390	118.18	2.516212	0.057647	0
GFL014 18+75E	DIRT	Niton	XL3t	8/14/2012	60	0		0		27.32	11.22	123	23.38	0		0		315	107.24	2.737068	0.056849	0
GFL014 19+00E	DIRT	Niton	XL3t	8/14/2012	60	0		0		16.34	10.11	85	20.98	0		0		521	123.79	2.288588	0.053041	0
GFL014 19+25E	DIRT	Niton	XL3t	8/14/2012	60	0		38.97	25.92	19.43	10.2	146	24.59	0		0		668	129.32	2.44488	0.052608	0
GFL014 19+50E	DIRT	Niton	XL3t	8/14/2012	60	0		0		20.49	10.52	154	25.9	0		0		827	144.7	2.505384	0.054853	0
GFL014 19+75E	DIRT	Niton	XL3t	8/14/2012	60	0		0		20.09	10.61	176	27.44	0		0		667	135.07	2.732343	0.057457	0
GFL014 20+00E	DIRT	Niton	XL3t	8/15/2012	60	0		0		32.09	11.94	145	25.48	0		0		545	128.87	3.047976	0.060932	0
GFL014 20+25E	DIRT	Niton	XL3t	8/15/2012	60	0		0		18.28	10.94	80	21.08	0		0		670	137.83	1.842463	0.049	0
GFL014 20+50E	DIRT	Niton	XL3t	8/15/2012	60	0		0		0		124	23.3	0		0		1052	154.09	2.520627	0.053791	0

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
GFL014 20+75E	DIRT	Niton	XL3t	8/15/2012	60	0		0		26.76	11.44	128	24.27	0		0		923	151.74	2.387515	0.054461	0
GFL014 21+00E	DIRT	Niton	XL3t	8/15/2012	60	0		0		28.38	11.6	151	25.68	0		0		1428	180.97	3.05983	0.060795	0
GFL014 21+25E	DIRT	Niton	XL3t	8/15/2012	60	0		0		26	11.02	103	21.54	0		0		996	153.37	3.043791	0.05907	0
GFL014 21+50E	DIRT	Niton	XL3t	8/15/2012	60	0		0		35.55	12.37	59	18.32	0		0		656	134.04	2.247768	0.052658	0
GFL014 21+75E	DIRT	Niton	XL3t	8/15/2012	60	0		0		0		179	27.36	0		0		945	153.28	2.858099	0.058645	0
GFL014 22+00E	DIRT	Niton	XL3t	8/15/2012	60	0		0		32.01	11.98	206	29.06	0		0		1398	180.45	2.947971	0.060082	0
GFL014 22+25E	DIRT	Niton	XL3t	8/15/2012	60	0		0		23.09	10.93	160	26.43	0		0		1363	176.49	3.088854	0.06089	0
GFL014 22+50E	DIRT	Niton	XL3t	8/15/2012	60	0		0		37.35	12.27	119	23.25	0		0		2265	218.12	2.806896	0.057988	0
GFL014 22+75E	DIRT	Niton	XL3t	8/15/2012	60	0		0		16.71	10.08	94	21.21	0		0		419	116.65	2.890383	0.058357	0
GFL014 23+00E	DIRT	Niton	XL3t	8/15/2012	60	0		0		35.22	11.89	120	23.1	0		0		1483	181.52	3.049175	0.059848	0
GFL014 23+25E	DIRT	Niton	XL3t	8/15/2012	60	0		0		35.14	11.82	103	21.46	0		0		940	150.42	3.120949	0.059725	0
GFL014 23+50E	DIRT	Niton	XL3t	8/15/2012	60	0		0		22.44	10.75	97	21.43	0		0		544	126.66	3.043484	0.059912	0
GFL014 23+75E	DIRT	Niton	XL3t	8/15/2012	60	0		0		20.47	10.6	85	20.17	0		0		791	143.31	3.077197	0.060422	0
GFL014 24+00E	DIRT	Niton	XL3t	8/15/2012	60	0		0		26.96	11.09	71	18.86	0		0		647	130.94	2.806781	0.056773	0
GFL014 24+25E	DIRT	Niton	XL3t	8/15/2012	60	0		0		27.76	11.29	178	27.22	0		0		1923	203.6	2.912013	0.059125	0
GFL014 24+50E	DIRT	Niton	XL3t	8/15/2012	60	0		0		29.69	13.43	169	31.93	0		0		1611	223.83	3.94493	0.079982	0
GFL014 24+75E	DIRT	Niton	XL3t	8/15/2012	60	0		0		0		132	24.61	0		0		1894	207.22	3.220742	0.063215	0
GFL014 25+00E	DIRT	Niton	XL3t	8/15/2012	60	0		0		24.48	11.58	120	24.55	0		0		2324	230.59	2.661797	0.059075	0
GFL014 25+25E	DIRT	Niton	XL3t	8/15/2012	60	0		0		28.85	11.21	131	23.52	0		0		1645	186.52	2.591358	0.054839	0
GFL014 25+50E	DIRT	Niton	XL3t	8/15/2012	60	0		0		20.02	11.27	134	25.7	0		0		2212	227.79	2.404647	0.056993	0
GFL014 25+75E	DIRT	Niton	XL3t	8/15/2012	60	0		0		20.93	10.51	116	22.65	0		0		929	147.86	2.284767	0.051728	0
GFL014 26+00E	DIRT	Niton	XL3t	8/15/2012	60	0		0		0		216	50.6	0		0		1099	264.54	3.585398	0.103902	0
GFL014 26+25E	DIRT	Niton	XL3t	8/15/2012	60	0		0		35.25	14.42	129	29.06	0		0		372	136.48	3.958998	0.081048	0
GFL014 26+50E	DIRT	Niton	XL3t	8/15/2012	60	0		0		0		81	37.46	0		0		850	241.38	1.7889	0.0769	0
GFL014 26+75E	DIRT	Niton	XL3t	8/15/2012	60	0		0		29.72	13.38	131	28.35	0		0		940	176.8	3.207772	0.071048	0
GFL014 27+00E	DIRT	Niton	XL3t	8/15/2012	60	0		42.82	27.18	22.77	10.81	73	19.16	0		0		306	103.42	2.12824	0.0502	0
GFL014 27+25E	DIRT	Niton	XL3t	8/15/2012	60	0		0		25.88	11.68	165	28.09	0		0		1196	174.53	2.896048	0.061249	0
GFL014 27+50E	DIRT	Niton	XL3t	8/15/2012	60	0		0		18.95	10.51	123	23.9	0		0		702	138.91	3.167193	0.061486	0
GFL014 27+75E	DIRT	Niton	XL3t	8/15/2012	60	0		0		24.11	10.69	74	19.29	0		0		417	111.14	2.390701	0.052028	0
GFL014 28+00E	DIRT	Niton	XL3t	8/15/2012	60	0		0		19.38	10.4	96	21.7	0		0		393	111.75	2.4907	0.054165	0
GFL014 28+25E	DIRT	Niton	XL3t	8/15/2012	60	0		0		17.92	10.22	80	19.61	0		0		385	107.8	1.929686	0.047174	0
GFL014 28+50E	DIRT	Niton	XL3t	8/15/2012	60	0		0		16.04	9.77	88	20.04	0		0		381	108.14	2.243605	0.050264	0
GFL014 28+75E	DIRT	Niton	XL3t	8/15/2012	60	0		0		18.01	10.49	85	20.59	0		0		670	134.29	2.646985	0.056358	0
GFL014 29+00E	DIRT	Niton	XL3t	8/15/2012	60	0		0		18.53	10.43	82	19.62	0		0		792	139.93	2.673955	0.055971	0
GFL014 29+25E	DIRT	Niton	XL3t	8/15/2012	60	0		0		0		63	17.72	0		0		346	102.02	1.625945	0.042651	0
GFL014 29+50E	DIRT	Niton	XL3t	8/15/2012	60	0		0		0		77	19.88	0		0		408	113.12	2.337371	0.052419	14
GFL014 29+75E	DIRT	Niton	XL3t	8/15/2012	60	0		0		22.55	10.96	90	20.98	0		0		775	139.69	1.883021	0.047983	0
GFL014 30+00E	DIRT	Niton	XL3t	8/15/2012	60	0		0		16.98	10.13	82	20.2	0		0		387	107.72	2.012351	0.047948	0
GFL014 30+25E	DIRT	Niton	XL3t	8/15/2012	60	0		0		0		177	53.41	0		0		893	269.77	3.143159	0.108181	0
GFL014 30+50E	DIRT	Niton	XL3t	8/15/2012	60	0		0		16.18	10.34	211	29	0		0		620	128.24	2.48609	0.053944	0
GFL014 30+75E	DIRT	Niton	XL3t	8/15/2012	60	0		0		19.4	10.24	95	21.02	0		0		293	99.87	2.133664	0.049105	0
GFL014 31+00E	DIRT	Niton	XL3t	8/15/2012	60	0		0		18.24	10.11	217	28.61	0		0		266	100.5	3.037058	0.058107	0
GFL014 31+25E	DIRT	Niton	XL3t	8/15/2012	60	0		44.17	25.5	29.93	10.96	82	19.37	0		0		434	110.13	2.518746	0.052075	0
GFL014 31+50E	DIRT	Niton	XL3t	8/15/2012	60	9	5.84	0		17.14	9.98	64	18.13	0		0		337	104.57	2.214661	0.050556	0
GFL014 31+75E	DIRT	Niton	XL3t	8/15/2012	60	0		0		0		70	34.45	0		0		439	181.4	2.597221	0.085925	0

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
GFL014 32+00E	DIRT	Niton	XL3t	8/15/2012	60	0		0		17.88	10.08	74	19.16	0		0		296	99.26	1.829325	0.045747	0
GFL014 32+25E	DIRT	Niton	XL3t	8/15/2012	60	11	6.72	0		34.61	13.6	130	27.7	0		0		1623	213.09	2.714109	0.064179	0
GFL014 32+50E	DIRT	Niton	XL3t	8/15/2012	60	0		0		0		85	21.44	0		0		689	136.55	2.000777	0.050415	0
GFL014 32+75E	DIRT	Niton	XL3t	8/15/2012	60	0		0		18.69	9.55	81	18.5	0		0		416	102.7	1.749971	0.04263	0
GFL014 33+00E	DIRT	Niton	XL3t	8/16/2012	60	0		0		14.87	9.48	137	23.71	0		0		1101	154.71	2.145936	0.049223	0
GFL014 33+25E	DIRT	Niton	XL3t	8/16/2012	60	0		0		0		126	23.05	0		0		800	136.4	2.186963	0.049712	0
GFL014 33+50E	DIRT	Niton	XL3t	8/16/2012	60	0		0		19.94	10.36	73	18.7	0		0		380	105.36	1.836417	0.045333	0
GFL014 33+75E	DIRT	Niton	XL3t	8/16/2012	60	0		0		28.31	11.24	108	21.96	0		0		445	114.01	2.637286	0.054815	0
GFL014 34+00E	DIRT	Niton	XL3t	8/16/2012	60	0		0		20.02	10.02	133	22.85	0		0		448	110.82	2.404884	0.051027	0
GFL014 34+25E	DIRT	Niton	XL3t	8/16/2012	60	0		0		22.61	10.19	68	17.96	0		0		739	129.94	1.946668	0.045932	0
GFL014 34+50E	DIRT	Niton	XL3t	8/16/2012	60	0		0		0		81	18.87	0		0		360	101.84	2.241317	0.048811	0
GFL014 34+75E	DIRT	Niton	XL3t	8/16/2012	60	0		0		0		65	18.94	0		0		709	133.96	2.388475	0.052955	23
GFL014 35+00E	DIRT	Niton	XL3t	8/16/2012	60	0		0		0		118	22.52	0		0		390	108.73	2.330541	0.05127	0
GFL014 35+25E	DIRT	Niton	XL3t	8/16/2012	60	0		0		0		44	16.19	0		0		204	91.07	2.067452	0.048083	0
GFL014 35+50E	DIRT	Niton	XL3t	8/16/2012	60	0		0		0		74	18.73	0		0		254	97.08	2.434299	0.052458	0
GFL014 35+75E	DIRT	Niton	XL3t	8/16/2012	60	0		0		19.4	10.1	113	22.11	0		0		996	148.87	2.219808	0.050092	0
GFL014 36+00E	DIRT	Niton	XL3t	8/16/2012	60	0		0		22.41	10.79	125	23.51	0		0		648	129.41	2.239948	0.051122	0
GFL014 36+25E	DIRT	Niton	XL3t	8/16/2012	60	0		0		0		66	18.41	0		0		521	116.53	1.938427	0.046782	0
GFL014 36+50E	DIRT	Niton	XL3t	8/16/2012	60	0		0		0		78	18.79	0		0		288	94.76	1.78229	0.043876	0
GFL014 36+75E	DIRT	Niton	XL3t	8/16/2012	60	0		0		0		70	18.31	86	50.03	0		560	118.32	1.852672	0.045169	11
GFL014 37+00E	DIRT	Niton	XL3t	8/16/2012	60	0		0		17.86	9.97	81	19.83	0		0		763	134.3	1.888982	0.046182	0
GFL014 37+25E	DIRT	Niton	XL3t	8/16/2012	60	0		0		23.27	10.67	83	20.09	0		0		380	107.66	2.441708	0.052636	0
GFL014 37+50E	DIRT	Niton	XL3t	8/16/2012	60	0		0		24.73	10.74	102	21.41	0		0		493	116.3	2.172527	0.04981	0
GFL014 37+75E	DIRT	Niton	XL3t	8/16/2012	60	0		0		14.55	9.56	109	21.5	0		0		805	134.62	2.003464	0.047128	0
GFL014 38+00E	DIRT	Niton	XL3t	8/17/2012	60	0		0		27.11	11.68	139	26.29	0		0		893	155.96	2.45875	0.056702	0
GFL014 38+00E	DIRT	Niton	XL3t	8/16/2012	60	0		0		0		102	20.96	0		0		228	92.2	1.991192	0.046974	0
GFL014 38+25E	DIRT	Niton	XL3t	8/17/2012	60	0		0		0		119	24.09	0		0		814	148	2.628013	0.057682	0
GFL014 38+50E	DIRT	Niton	XL3t	8/17/2012	60	0		0		21.55	10.75	139	25.23	0		0		574	125.63	2.052974	0.049998	0
GFL014 38+75E	DIRT	Niton	XL3t	8/17/2012	60	0		0		0		89	19.63	0		0		365	101.64	1.576676	0.041343	0
GFL014 39+00E	DIRT	Niton	XL3t	8/17/2012	60	0		0		0		98	21.64	0		0		370	106.46	1.897832	0.047221	0
GFL014 39+25E	DIRT	Niton	XL3t	8/17/2012	60	0		0		21.97	11.65	121	25.49	0		0		438	126.13	2.148719	0.055259	0
GFL014 39+50E	DIRT	Niton	XL3t	8/17/2012	60	0		0		30.8	11.49	85	20.07	0		0		222	95.93	2.283996	0.051671	0
GFL014 39+75E	DIRT	Niton	XL3t	8/17/2012	60	13.04	6.92	0		19.96	12.42	88	23.97	0		0		365	130.4	2.74092	0.065795	24.18
GFL014 40+00E	DIRT	Niton	XL3t	8/17/2012	60	0		0		0		171	26.44	0		0		906	145.72	2.227556	0.050932	0
GFL014 40+25E	DIRT	Niton	XL3t	8/17/2012	60	0		0		19.42	10.69	64	18.96	0		0		700	135.54	2.200848	0.051851	0
GFL014 40+50E	DIRT	Niton	XL3t	8/17/2012	60	0		0		16.5	9.94	82	20.48	0		0		320	104.19	2.371846	0.052641	0
GFL014 40+75E	DIRT	Niton	XL3t	8/17/2012	60	0		0		0		62	21.37	0		0		285	115.77	2.071729	0.056523	0
GFL014 41+00E	DIRT	Niton	XL3t	8/17/2012	60	0		0		0		28	13.59	0		0		361	97.34	1.164373	0.03514	0
GFL014 41+25E	DIRT	Niton	XL3t	8/17/2012	60	0		0		22.79	10.7	57	17.65	0		0		216	90.77	1.846695	0.046613	0
GFL014 41+50E	DIRT	Niton	XL3t	8/17/2012	60	0		0		0		87	21.3	0		0		464	116.58	2.047916	0.050048	0
GFL014 41+75E	DIRT	Niton	XL3t	8/17/2012	60	0		0		0		119	23.3	0		0		647	130.28	2.380836	0.052909	0
GFL014 42+00E	DIRT	Niton	XL3t	8/17/2012	60	0		0		0		143	26.42	0		0		612	138	2.745624	0.060371	0
GFL014 42+25E	DIRT	Niton	XL3t	8/17/2012	60	0		0		27.59	12.43	161	28.7	0		0		448	129.69	3.147117	0.066412	0
GFL014 42+50E	DIRT	Niton	XL3t	8/17/2012	60	0		0		19.35	10.48	167	26.68	0		0		1376	176.46	2.249095	0.052217	0
GFL014 42+75E	DIRT	Niton	XL3t	8/17/2012	60	0		0		0		198	27.85	0		0		823	141.29	2.493875	0.053556	0

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
GFL014 43+00E	DIRT	Niton	XL3t	8/17/2012	60	0		0		0		199	28.14	0		0		705	136.11	2.728675	0.056519	0
GFL015 00+00	DIRT	Niton	XL3t	8/16/2012	60	0		0		23.98	10.43	99	20.83	0		0		636	124.45	2.004214	0.047263	0
GFL015 00+25E	DIRT	Niton	XL3t	8/16/2012	60	0		0		15.23	10.03	82	19.43	0		0		507	116.77	2.204786	0.049615	0
GFL015 00+50E	DIRT	Niton	XL3t	8/16/2012	60	0		0		16.24	9.83	105	21.53	0		0		1164	157.05	2.017194	0.047523	0
GFL015 00+75E	DIRT	Niton	XL3t	8/16/2012	60	0		0		14.65	9.68	104	21.24	0		0		800	136.17	2.095729	0.048671	0
GFL015 01+00E	DIRT	Niton	XL3t	8/16/2012	60	0		0		21.17	10.39	125	23.07	0		0		1064	152.53	1.960369	0.047213	0
GFL015 01+25E	DIRT	Niton	XL3t	8/16/2012	60	0		0		19.12	10.28	94	21.06	0		0		960	147.07	2.128619	0.049083	0
GFL015 01+50E	DIRT	Niton	XL3t	8/16/2012	60	0		49.57	26.75	19.3	10.2	126	23.1	0		0		354	105.59	2.151963	0.04925	0
GFL015 01+75E	DIRT	Niton	XL3t	8/16/2012	60	0		0		18.46	10.11	157	25.03	96	51.61	0		852	141.81	2.479756	0.053141	0
GFL015 02+00E	DIRT	Niton	XL3t	8/16/2012	60	0		0		21.81	10.42	117	22.07	0		0		2014	199.31	2.10143	0.048837	0
GFL015 02+25E	DIRT	Niton	XL3t	8/16/2012	60	0		0		0		91	21.2	0		0		478	121.47	2.899034	0.058455	0
GFL015 02+50E	DIRT	Niton	XL3t	8/16/2012	60	0		0		16.65	10.05	105	21.77	0		0		689	132.16	2.425052	0.052844	0
GFL015 02+75E	DIRT	Niton	XL3t	8/16/2012	60	0		0		26.98	11.14	130	23.55	0		0		1000	152.93	2.566682	0.054921	0
GFL015 03+00E	DIRT	Niton	XL3t	8/16/2012	60	0		0		24.99	10.93	111	22.49	0		0		659	128.67	2.1161	0.049551	0
GFL015 03+25E	DIRT	Niton	XL3t	8/16/2012	60	0		0		17.91	10.19	173	26.79	0		0		744	137.12	2.557822	0.054645	0
GFL015 03+50E	DIRT	Niton	XL3t	8/16/2012	60	0		0		18.1	10.11	147	25.35	0		0		842	143.95	2.437703	0.053765	0
GFL015 03+75E	DIRT	Niton	XL3t	8/16/2012	60	0		0		21.41	10.6	126	23.35	0		0		1165	161.1	2.355243	0.052151	0
GFL015 04+00E	DIRT	Niton	XL3t	8/16/2012	60	0		0		17.32	9.92	87	20.46	0		0		510	115.87	2.240174	0.050224	0
GFL015 04+25E	DIRT	Niton	XL3t	8/16/2012	60	0		0		27.01	12.7	108	25.49	0		0		581	141.93	2.194629	0.057371	0
GFL015 04+50E	DIRT	Niton	XL3t	8/16/2012	60	0		0		0		102	21.29	0		0		674	129.82	2.243578	0.050615	0
GFL015 04+75E	DIRT	Niton	XL3t	8/16/2012	60	0		0		0		108	21.39	0		0		852	137.39	1.573771	0.042031	0
GFL015 05+00E	DIRT	Niton	XL3t	8/16/2012	60	0		0		22.55	10.75	143	24.94	0		0		1446	177.19	2.195091	0.051082	0
GFL015 05+25E	DIRT	Niton	XL3t	8/16/2012	60	0		0		32.07	12.21	70	20.68	0		0		763	144.25	1.98112	0.050755	0
GFL015 05+50E	DIRT	Niton	XL3t	8/16/2012	60	0		0		0		85	19.92	0		0		506	113.99	1.450021	0.040444	0
GFL015 05+75E	DIRT	Niton	XL3t	8/16/2012	60	0		0		0		75	18.75	0		0		405	108.46	1.892145	0.046085	0
GFL015 06+00E	DIRT	Niton	XL3t	8/16/2012	60	0		0		19.36	10.7	83	20.83	0		0		497	121.28	2.158197	0.051747	0
GFL015 06+25E	DIRT	Niton	XL3t	8/16/2012	60	0		0		14.73	9.77	104	21.53	0		0		935	147.15	2.111998	0.049342	0
GFL015 06+50E	DIRT	Niton	XL3t	8/16/2012	60	0		0		26.94	11.21	106	22.18	0		0		493	116.67	1.945948	0.047734	0
GFL015 06+75E	DIRT	Niton	XL3t	8/16/2012	60	0		0		16.16	9.99	79	19.94	0		0		196	93.4	2.159718	0.049997	0
GFL015 07+00E	DIRT	Niton	XL3t	8/16/2012	60	0		0		0		126	23.63	0		0		1383	176.2	2.432928	0.054102	0
GFL015 07+25E	DIRT	Niton	XL3t	8/16/2012	60	0		40.77	25.96	19.86	10.28	125	23.18	0		0		569	121.88	2.325869	0.051183	0
GFL015 07+50E	DIRT	Niton	XL3t	8/16/2012	60	0		0		24.14	10.93	150	25.4	0		0		1102	160.02	2.650375	0.056037	0
GFL015 07+75E	DIRT	Niton	XL3t	8/16/2012	60	0		0		35.75	13.35	166	29.43	0		0		2550	251.81	3.090091	0.066603	0
GFL015 08+00E	DIRT	Niton	XL3t	8/16/2012	60	0		0		33.92	12.21	135	25.04	0		0		1444	184.25	2.98096	0.060889	0
GFL015 08+25E	DIRT	Niton	XL3t	8/17/2012	60	0		0		40.68	12.76	120	23.51	0		0		1536	186.33	2.996885	0.060266	0
GFL015 08+50E	DIRT	Niton	XL3t	8/17/2012	60	0		0		22.51	10.78	163	25.59	0		0		525	120.47	2.581467	0.054445	0
GFL015 08+75E	DIRT	Niton	XL3t	8/17/2012	60	0		0		31.25	12.1	257	32.75	0		0		2878	251.15	3.205198	0.063847	0
GFL015 09+00E	DIRT	Niton	XL3t	8/17/2012	60	0		0		21.37	10.74	126	23.63	0		0		1121	164.11	2.988124	0.060093	14.64
GFL015 09+25E	DIRT	Niton	XL3t	8/17/2012	60	0		0		14.65	9.67	58	17.24	0		0		559	118.09	1.79967	0.044875	0
GFL015 09+50E	DIRT	Niton	XL3t	8/17/2012	60	0		45.86	28.53	41.56	13.11	144	25.67	0		0		2958	253.14	3.47965	0.06612	0
GFL015 09+75E	DIRT	Niton	XL3t	8/17/2012	60	0		0		28.17	11.24	82	19.63	0		0		349	104.24	2.244517	0.0505	0
GFL015 10+00E	DIRT	Niton	XL3t	8/17/2012	60	0		0		15.61	9.44	57	17.19	0		0		403	103.64	1.234387	0.036903	0
GFL015 10+25E	DIRT	Niton	XL3t	8/17/2012	60	0		0		35.54	12.2	139	24.46	0		0		2141	212.73	2.770964	0.057629	0
GFL015 10+50E	DIRT	Niton	XL3t	8/17/2012	60	0		0		40.56	12.11	108	21.72	0		0		1723	189.06	2.493236	0.053501	0
GFL015 10+75E	DIRT	Niton	XL3t	8/17/2012	60	0		0		28.34	11.26	121	23.4	0		0		424	114.1	2.540466	0.054168	0

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
GFL015 11+00E	DIRT	Niton	XL3t	8/17/2012	60	0		0		25.17	10.97	108	21.8	0		0		742	135.89	2.344883	0.052051	0
GFL015 11+25E	DIRT	Niton	XL3t	8/17/2012	60	0		0		20.12	10.19	132	23.45	0		0		957	146.74	2.406886	0.051962	0
GFL015 11+50E	DIRT	Niton	XL3t	8/17/2012	60	0		0		41.99	12.86	100	22.03	0		0		451	122.51	3.361896	0.064049	0
GFL015 11+75E	DIRT	Niton	XL3t	8/17/2012	60	0		0		23.63	10.9	110	22.81	0		0		1315	171.19	2.570422	0.054958	0
GFL015 12+00E	DIRT	Niton	XL3t	8/17/2012	60	0		0		20.92	10.28	142	24.66	0		0		727	135.78	2.772625	0.056546	0
GFL015 12+25E	DIRT	Niton	XL3t	8/17/2012	60	0		0		0		117	22.62	0		0		578	122.88	2.233687	0.050525	0
GFL015 12+50E	DIRT	Niton	XL3t	8/17/2012	60	0		0		16.5	9.74	98	20.58	0		0		726	130.73	1.940211	0.046318	0
GFL015 12+75E	DIRT	Niton	XL3t	8/17/2012	52	0		0		18.58	10.35	160	25.64	0		0		1285	166.71	2.242141	0.050783	0
GFL015 13+00E	DIRT	Niton	XL3t	8/17/2012	60	0		0		25.54	10.75	116	22.6	0		0		841	139.14	2.165815	0.049334	0
GFL015 13+25E	DIRT	Niton	XL3t	8/17/2012	60	0		0		25.82	10.65	115	22.21	0		0		1442	173.24	1.982052	0.047345	0
GFL015 13+50E	DIRT	Niton	XL3t	8/17/2012	60	0		0		0		99	20.95	0		0		324	100.75	2.016341	0.047453	0
GFL015 13+75E	DIRT	Niton	XL3t	8/17/2012	60	0		40.06	26.05	0		111	22.04	0		0		809	139.28	2.436862	0.052715	0
GFL015 14+00E	DIRT	Niton	XL3t	8/17/2012	60	0		0		28.72	11.28	99	21.49	0		0		328	105.54	2.651136	0.054918	0
GFL015 14+25E	DIRT	Niton	XL3t	8/17/2012	60	0		0		17.01	9.93	81	19.15	0		0		442	112.33	2.214162	0.050021	0
GFL015 14+50E	DIRT	Niton	XL3t	8/17/2012	60	0		0		16.34	9.98	125	23.18	0		0		860	145.25	2.659919	0.055289	0
GFL015 14+75E	DIRT	Niton	XL3t	8/17/2012	60	0		0		0		68	18.41	0		0		186	87.42	2.096887	0.048125	0
GFL015 15+00E	DIRT	Niton	XL3t	8/17/2012	60	0		0		0		154	24.56	0		0		1617	181.18	2.434414	0.052142	0
GFL015 15+25E	DIRT	Niton	XL3t	8/17/2012	60	0		0		17.42	9.92	167	25.96	0		0		1078	156	2.217312	0.050448	0
GFL015 15+50E	DIRT	Niton	XL3t	8/17/2012	60	0		0		0		42	15.43	0		0		155	82.13	1.509081	0.040636	0
GFL015 15+75E	DIRT	Niton	XL3t	8/17/2012	60	0		0		0		36	14.15	0		0		0		0.755417	0.027774	0
GFL015 16+00E	DIRT	Niton	XL3t	8/17/2012	60	0		0		23.01	10.67	74	18.96	0		0		554	122.76	2.253005	0.050672	0
GFL015 16+25E	DIRT	Niton	XL3t	8/17/2012	60	0		0		0		130	23.01	0		0		424	108.64	1.943457	0.046801	0
GFL015 16+50E	DIRT	Niton	XL3t	8/17/2012	60	0		0		16.45	9.9	144	24.49	0		0		567	122.45	2.433121	0.052362	0
GFL015 16+75E	DIRT	Niton	XL3t	8/17/2012	60	0		0		18.89	10.28	147	25.01	0		0		435	115.42	2.743665	0.05643	0
GFL015 17+00E	DIRT	Niton	XL3t	8/17/2012	60	0		44.2	26.27	24.49	10.57	160	25.47	0		0		660	129.51	2.583119	0.054013	0
GFL015 17+25E	DIRT	Niton	XL3t	8/17/2012	60	0		0		17.25	9.75	79	18.84	0		0		381	103.68	1.781767	0.044289	0
GFL015 17+50E	DIRT	Niton	XL3t	8/17/2012	60	0		0		17.11	9.68	104	21.39	0		0		611	123.44	2.108142	0.048678	0
GFL015 17+75E	DIRT	Niton	XL3t	8/17/2012	60	0		0		22.81	10.71	134	23.82	0		0		391	109.6	2.258491	0.051062	0
GFL015 18+00E	DIRT	Niton	XL3t	8/17/2012	60	0		0		19.83	10.22	126	23.35	0		0		1270	166.18	2.410745	0.052598	0
GFL015 18+25E	DIRT	Niton	XL3t	8/17/2012	60	0		0		29.11	11.27	119	23.04	0		0		2598	226.79	2.196829	0.050604	0
GFL015 18+50E	DIRT	Niton	XL3t	8/17/2012	60	0		0		0		150	25.41	0		0		1738	191.7	2.50086	0.054213	0
GFL015 18+75E	DIRT	Niton	XL3t	8/17/2012	60	0		0		0		62	17.75	0		0		340	103.27	2.001465	0.047637	0
GFL015 19+00E	DIRT	Niton	XL3t	8/17/2012	60	0		0		0		63	17.57	0		0		391	104.86	1.594217	0.042278	0
GFL015 19+25E	DIRT	Niton	XL3t	8/17/2012	60	0		0		0		93	20.22	0		0		572	119.8	2.155136	0.048908	0
GFL015 19+50E	DIRT	Niton	XL3t	8/17/2012	60	0		74.93	29.88	36.16	12.25	156	26.06	0		0		789	145.72	3.343137	0.06313	0
GFL015 19+75E	DIRT	Niton	XL3t	8/17/2012	60	0		0		23.39	11.01	97	21.19	0		0		495	120.59	2.676943	0.056121	0
GFL015 20+00E	DIRT	Niton	XL3t	8/17/2012	60	0		0		27.18	11.14	74	18.68	0		0		489	116.69	2.244655	0.050482	0
GFL015 20+25E	DIRT	Niton	XL3t	8/17/2012	60	0		0		16.39	9.82	67	18.6	0		0		355	104.47	2.148495	0.049457	0
GFL015 20+50E	DIRT	Niton	XL3t	8/17/2012	60	0		0		16.92	10.53	119	24	0		0		820	147.7	2.505013	0.05638	0
GFL015 20+75E	DIRT	Niton	XL3t	8/17/2012	60	0		0		28.15	11.29	124	23.23	0		0		567	124.61	2.451452	0.053474	0
GFL015 21+00E	DIRT	Niton	XL3t	8/17/2012	60	0		0		29.23	11.58	105	22.54	0		0		922	151.41	2.645225	0.056636	0
GFL015 21+25E	DIRT	Niton	XL3t	8/17/2012	60	0		0		27.67	11.18	102	21.43	0		0		545	121.9	2.439244	0.053138	0
GFL015 21+50E	DIRT	Niton	XL3t	8/17/2012	60	0		0		23.33	10.47	112	22.3	0		0		926	145.89	2.507697	0.053362	0
GFL015 21+75E	DIRT	Niton	XL3t	8/17/2012	60	0		0		0		120	22.96	0		0		814	139.57	2.432523	0.052924	0
GFL015 22+00E	DIRT	Niton	XL3t	8/17/2012	60	0		0		0		74	19.57	0		0		740	136.92	1.943483	0.0484	0

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
GFL015 22+25E	DIRT	Niton	XL3t	8/17/2012	60	0		0		18.86	10.51	135	23.76	0		0		857	144.51	2.702268	0.05598	0
GFL015 22+50E	DIRT	Niton	XL3t	8/17/2012	60	0		0		27.67	11.43	127	23.83	0		0		1185	166.6	2.830713	0.058092	0
GFL015 22+75E	DIRT	Niton	XL3t	8/17/2012	60	0		0		19.96	10.32	76	19.55	0		0		474	117.19	2.642135	0.055134	0
GFL015 23+00E	DIRT	Niton	XL3t	8/17/2012	60	0		0		19.23	10.27	54	17.34	0		0		334	104.13	2.173351	0.049819	0
GFL015 23+25E	DIRT	Niton	XL3t	8/17/2012	60	0		0		20.08	10.63	145	25.17	0		0		909	148.46	2.2972	0.052796	0
GFL015 23+50E	DIRT	Niton	XL3t	8/17/2012	60	0		0		15.53	10.04	72	19.06	0		0		400	108.72	2.012838	0.047848	0
GFL015 23+75E	DIRT	Niton	XL3t	8/17/2012	60	0		0		34.31	12.23	106	22.25	0		0		1123	163.45	2.875507	0.058697	0
GFL015 24+00E	DIRT	Niton	XL3t	8/17/2012	60	0		0		24.98	10.93	81	19.79	0		0		845	140.93	2.274332	0.051097	0
GFL015 24+25E	DIRT	Niton	XL3t	8/17/2012	60	0		0		46.67	13.41	80	20.45	0		0		399	115.45	2.237105	0.052557	0
GFL015 24+50E	DIRT	Niton	XL3t	8/17/2012	60	0		0		28.27	11.46	80	19.94	0		0		832	143.45	2.442752	0.053758	0
GFL015 24+75E	DIRT	Niton	XL3t	8/17/2012	60	0		0		54.02	14.41	96	22.58	0		0		1120	170.85	3.031671	0.062816	0
GFL015 25+00E	DIRT	Niton	XL3t	8/17/2012	60	0		0		24.76	10.78	82	19.43	0		0		206	93.79	2.495421	0.053191	0
GFL015 25+25E	DIRT	Niton	XL3t	8/17/2012	60	0		0		20.38	10.47	66	18.64	0		0		342	103.99	2.024646	0.048147	0
GFL015 25+50E	DIRT	Niton	XL3t	8/17/2012	60	0		0		17.11	10.09	123	22.67	0		0		541	118.87	1.981043	0.047335	0
GFL015 25+75E	DIRT	Niton	XL3t	8/17/2012	60	0		0		0		65	18.02	0		0		156	85.26	1.740517	0.043639	0
GFL015 26+00E	DIRT	Niton	XL3t	8/17/2012	60	0		0		14.62	9.6	156	25.33	0		0		895	145.25	2.446791	0.05304	0
GFL015 26+25E	DIRT	Niton	XL3t	8/17/2012	60	0		0		30.07	11.79	47	17.58	0		0		392	111.92	1.925239	0.0484	0
GFL015 26+50E	DIRT	Niton	XL3t	8/17/2012	60	0		0		28.61	11.38	99	21.52	0		0		338	110.63	3.005078	0.059513	0
GFL015 26+75E	DIRT	Niton	XL3t	8/17/2012	60	0		0		35.23	12.08	78	19.47	0		0		267	101.06	2.580716	0.054639	0
GFL015 27+00E	DIRT	Niton	XL3t	8/17/2012	60	0		0		17.04	10.36	75	20.22	0		0		524	125.77	2.776011	0.058384	0
GFL015 27+25E	DIRT	Niton	XL3t	8/17/2012	60	0		0		20.47	10.26	116	22.71	0		0		605	127	2.569328	0.054609	0
GFL015 27+50E	DIRT	Niton	XL3t	8/17/2012	60	0		0		0		102	20.75	0		0		579	118.3	1.862289	0.045281	0
GFL015 27+75E	DIRT	Niton	XL3t	8/17/2012	60	0		0		22.39	10.57	152	25.19	0		0		733	134.83	2.513858	0.053944	0
GFL015 28+00E	DIRT	Niton	XL3t	8/17/2012	60	0		0		15.69	9.9	105	21.33	0		0		446	113.39	2.215048	0.049923	0
GFL015 28+25E	DIRT	Niton	XL3t	8/17/2012	60	0		0		45.58	12.9	113	22.36	0		0		1419	176.96	2.704355	0.056322	0
GFL015 28+50E	DIRT	Niton	XL3t	8/17/2012	60	0		0		37.81	12.17	114	22.4	0		0		1108	159.76	2.786735	0.056708	0
GFL015 28+75E	DIRT	Niton	XL3t	8/17/2012	60	0		0		21.43	10.44	38	15.65	0		0		315	102.28	2.129479	0.049228	0
GFL015 29+00E	DIRT	Niton	XL3t	8/17/2012	60	0		0		0		62	20.04	0		0		234	107.9	2.536893	0.059795	14.49
GFL015 29+25E	DIRT	Niton	XL3t	8/17/2012	60	0		0		0		75	19.05	0		0		1192	159.16	2.179226	0.049321	0
GFL015 29+50E	DIRT	Niton	XL3t	8/17/2012	60	0		0		15.95	9.75	126	22.72	0		0		493	113.72	2.295486	0.049917	0
GFL015 29+75E	DIRT	Niton	XL3t	8/16/2012	60	0		0		0		85	20.13	0		0		972	145.84	1.981311	0.046965	0
GFL015 30+00E	DIRT	Niton	XL3t	8/16/2012	60	0		0		14.7	9.65	55	17.17	0		0		524	115.61	1.697997	0.043721	0
GFL015 30+25E	DIRT	Niton	XL3t	8/16/2012	60	0		40.63	25.08	15.75	9.63	43	15.74	0		0		165	82.54	1.481972	0.039985	0
GFL015 30+50E	DIRT	Niton	XL3t	8/16/2012	60	0		0		15.8	9.69	67	18.29	0		0		225	92.95	2.187422	0.049308	0
GFL015 30+75E	DIRT	Niton	XL3t	8/16/2012	60	0		0		0		52	16.64	0		0		220	87.49	1.539416	0.041201	0
GFL015 31+00E	DIRT	Niton	XL3t	8/16/2012	60	0		0		0		82	19.33	0		0		260	93.59	1.930211	0.046279	0
GFL015 31+25E	DIRT	Niton	XL3t	8/16/2012	60	0		0		24.9	10.74	84	19.84	0		0		283	100.55	2.503084	0.052971	0
GFL015 31+50E	DIRT	Niton	XL3t	8/16/2012	60	0		0		19.16	10.23	94	20.58	0		0		254	97.83	2.393917	0.052008	0
GFL015 31+75E	DIRT	Niton	XL3t	8/16/2012	60	0		0		0		64	17.8	0		0		211	91.47	2.123101	0.048584	0
GFL015 32+00E	DIRT	Niton	XL3t	8/16/2012	60	0		0		0		136	23.9	0		0		674	131.66	2.642394	0.05507	0
GFL015 32+25E	DIRT	Niton	XL3t	8/16/2012	60	0		0		14.99	9.44	112	22.17	0		0		801	136.11	2.115713	0.048608	0
GFL015 32+50E	DIRT	Niton	XL3t	8/16/2012	60	0		0		0		76	18.65	0		0		463	109.4	1.715248	0.043242	0
GFL015 32+75E	DIRT	Niton	XL3t	8/16/2012	60	0		0		18.44	10.27	77	19.33	0		0		365	107.49	2.344341	0.051776	0
GFL015 33+00E	DIRT	Niton	XL3t	8/16/2012	60	0		0		26.77	11.08	135	24.24	0		0		586	125.68	2.473118	0.053633	0
GFL015 33+25E	DIRT	Niton	XL3t	8/16/2012	60	0		0		0		134	23.23	0		0		414	107.2	2.066269	0.047749	0

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
GFL015 33+50E	DIRT	Niton	XL3t	8/16/2012	60	0		0		0		95	20.18	0		0		617	122.22	1.865039	0.04538	0
GFL015 33+75E	DIRT	Niton	XL3t	8/16/2012	60	0		0		16.46	9.98	142	24.46	0		0		665	129.62	2.489758	0.053181	0
GFL015 34+00E	DIRT	Niton	XL3t	8/17/2012	60	0		0		0		98	20.79	0		0		376	107.83	2.263169	0.050641	11.31
GFL015 34+25E	DIRT	Niton	XL3t	8/17/2012	60	0		0		0		89	19.62	0		0		379	104.72	2.096789	0.048154	0
GFL015 34+50E	DIRT	Niton	XL3t	8/17/2012	60	0		0		0		110	21.52	0		0		661	126.39	2.182256	0.049154	0
GFL015 34+75E	DIRT	Niton	XL3t	8/17/2012	60	0		0		19.07	10.39	104	21.63	0		0		1218	161.62	2.037759	0.048209	0
GFL015 35+00E	DIRT	Niton	XL3t	8/17/2012	60	0		0		18.68	10.01	138	24.3	0		0		685	130.93	2.33368	0.051691	0
GFL015 35+25E	DIRT	Niton	XL3t	8/17/2012	60	0		0		0		83	20.09	0		0		715	131.47	1.897293	0.046615	13.33
GFL015 35+50E	DIRT	Niton	XL3t	8/17/2012	60	0		0		0		97	21.17	0		0		509	118.85	2.181885	0.050008	15.71
GFL015 35+75E	DIRT	Niton	XL3t	8/17/2012	60	0		0		24.14	10.64	136	23.8	0		0		561	120.2	2.033409	0.047952	0
GFL015 36+00E	DIRT	Niton	XL3t	8/17/2012	60	0		0		0		112	22.42	0		0		616	125.23	2.058276	0.048984	0
GFL015 36+25E	DIRT	Niton	XL3t	8/17/2012	60	0		0		0		71	18.26	0		0		645	124.03	1.74544	0.044219	0
GFL015 36+50E	DIRT	Niton	XL3t	8/17/2012	60	0		0		19.4	10.39	151	25.24	0		0		983	152.27	2.530131	0.054299	0
GFL015 36+75E	DIRT	Niton	XL3t	8/17/2012	60	0		0		22.7	10.58	162	25.67	0		0		885	144.99	2.267859	0.051108	0
GFL015 37+00E	DIRT	Niton	XL3t	8/17/2012	60	0		0		0		191	27.51	0		0		892	144.14	2.384284	0.052003	0
GFL015 37+25E	DIRT	Niton	XL3t	8/17/2012	60	0		0		16.04	9.88	151	24.9	0		0		565	122.5	2.093939	0.048754	0
GFL015 37+50E	DIRT	Niton	XL3t	8/17/2012	60	0		0		16.37	9.99	122	22.87	0		0		525	119.73	2.159344	0.049857	0
GFL015 37+75E	DIRT	Niton	XL3t	8/17/2012	60	0		0		26.02	10.97	92	20.74	0		0		394	108.74	2.290093	0.051267	0
GFL015 38+00E	DIRT	Niton	XL3t	8/17/2012	60	0		0		28.9	11.64	136	24.32	0		0		855	148.66	3.189461	0.06187	0
GFL015 38+25E	DIRT	Niton	XL3t	8/17/2012	60	0		0		0		111	21.98	0		0		329	102.95	2.224356	0.050034	0
GFL015 38+50E	DIRT	Niton	XL3t	8/17/2012	60	0		0		18.88	10.25	136	24.38	0		0		523	121.47	2.360898	0.052772	0
GFL015 38+75E	DIRT	Niton	XL3t	8/17/2012	60	0		0		0		74	18.91	0		0		423	108.93	1.788871	0.044883	0
GFL015 39+00E	DIRT	Niton	XL3t	8/17/2012	60	0		0		0		129	23.32	0		0		1126	157.7	2.301853	0.051187	12.38
GFL015 39+25E	DIRT	Niton	XL3t	8/17/2012	60	0		0		21.92	10.85	72	19.55	0		0		433	115.41	1.794997	0.046915	0
GFL015 39+50E	DIRT	Niton	XL3t	8/17/2012	60	0		0		22.53	10.96	124	24.52	0		0		1132	168.7	3.219726	0.063417	0
GFL015 39+75E	DIRT	Niton	XL3t	8/17/2012	60	0		0		0		78	20.58	0		0		453	118.09	1.884777	0.048813	0
GFL015 40+00E	DIRT	Niton	XL3t	8/17/2012	60	0		0		0		96	21.43	0		0		682	133.35	2.134326	0.050869	0
GFL015 40+25E	DIRT	Niton	XL3t	8/17/2012	60	0		0		17.32	10.85	90	22.75	0		0		1036	163.88	2.093012	0.05289	0
GFL015 40+50E	DIRT	Niton	XL3t	8/17/2012	60	0		0		0		81	19.8	0		0		340	102.37	1.866137	0.046273	0
GFL015 40+75E	DIRT	Niton	XL3t	8/17/2012	60	0		0		0		43	17	0		0		387	108.64	1.351372	0.040843	0
GFL015 41+00E	DIRT	Niton	XL3t	8/17/2012	60	0		0		0		76	19.64	0		0		465	115.81	2.30728	0.052185	0
GFL015 41+25E	DIRT	Niton	XL3t	8/17/2012	60	0		0		0		96	20.57	0		0		513	116.76	2.307438	0.050717	0
GFL015 41+50E	DIRT	Niton	XL3t	8/17/2012	60	0		0		0		61	19.05	0		0		405	113.43	2.131912	0.050954	0
GFL015 41+75E	DIRT	Niton	XL3t	8/17/2012	60	0		0		0		118	22.35	0		0		734	132.47	2.097314	0.048618	0
GFL015 42+00E	DIRT	Niton	XL3t	8/17/2012	60	0		0		15.42	10.17	207	29.25	0		0		540	124.57	2.600392	0.055822	0
GFL016 00+00	DIRT	Niton	XL3t	8/17/2012	60	0		0		22.06	10.53	80	19.7	0		0		574	122.13	2.014262	0.048064	0
GFL016 00+25E	DIRT	Niton	XL3t	8/17/2012	60	0		0		16.13	9.73	70	18.05	0		0		241	93.85	2.279547	0.049918	0
GFL016 00+50E	DIRT	Niton	XL3t	8/17/2012	60	0		0		25.03	10.66	91	20.15	0		0		536	115.92	1.694141	0.043277	0
GFL016 00+75E	DIRT	Niton	XL3t	8/17/2012	60	0		0		0		59	17.41	0		0		270	92.14	1.687535	0.0426	0
GFL016 01+00E	DIRT	Niton	XL3t	8/17/2012	60	0		0		23.99	10.54	112	22.1	0		0		617	124.83	2.369858	0.051568	0
GFL016 01+25E	DIRT	Niton	XL3t	8/17/2012	60	0		0		13.85	9.13	65	17.38	0		0		354	96.93	1.204447	0.035809	0
GFL016 01+50E	DIRT	Niton	XL3t	8/17/2012	60	0		0		0		80	19.3	0		0		610	121.91	1.938537	0.046454	0
GFL016 01+75E	DIRT	Niton	XL3t	8/17/2012	60	0		0		17.9	10.5	101	22.08	0		0		965	151.4	2.03526	0.04965	0
GFL016 02+00E	DIRT	Niton	XL3t	8/17/2012	60	0		0		21.15	10.24	122	22.98	0		0		967	146.02	2.142987	0.048974	0
GFL016 02+25E	DIRT	Niton	XL3t	8/17/2012	60	0		0		22.31	10.53	42	15.93	0		0		403	107.28	1.705738	0.044272	0

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
GFL016 02+50E	DIRT	Niton	XL3t	8/17/2012	60	0		0		0		135	23.35	0		0		425	109.3	2.239107	0.049759	0
GFL016 02+75E	DIRT	Niton	XL3t	8/17/2012	60	0		38.85	25.03	14.68	9.53	92	20.06	0		0		361	103.75	2.277909	0.049819	0
GFL016 03+00E	DIRT	Niton	XL3t	8/17/2012	60	0		0		0		107	21.25	0		0		484	111.6	1.795379	0.044076	0
GFL016 03+25E	DIRT	Niton	XL3t	8/17/2012	60	0		0		0		80	19.61	0		0		547	117.69	1.562256	0.042387	0
GFL016 03+50E	DIRT	Niton	XL3t	8/17/2012	60	0		0		20.13	10.25	117	22.23	0		0		534	117.49	2.192459	0.049322	0
GFL016 03+75E	DIRT	Niton	XL3t	8/17/2012	60	0		0		25.59	11.15	82	20.6	0		0		765	138.95	2.290232	0.052228	0
GFL016 04+00E	DIRT	Niton	XL3t	8/17/2012	60	0		0		0		39	15.56	0		0		0		1.346504	0.037976	0
GFL016 04+25E	DIRT	Niton	XL3t	8/17/2012	60	0		0		19.15	9.85	96	20.28	0		0		774	132.08	2.100064	0.047626	0
GFL016 04+50E	DIRT	Niton	XL3t	8/17/2012	60	0		0		0		127	22.59	0		0		544	116.38	1.900449	0.045495	0
GFL016 04+75E	DIRT	Niton	XL3t	8/17/2012	60	0		0		17.96	10.48	99	22.38	0		0		722	139.18	2.74611	0.057828	0
GFL016 05+00E	DIRT	Niton	XL3t	8/17/2012	60	0		0		45.51	12.82	90	20.63	0		0		1175	163.82	3.011733	0.059034	0
GFL016 05+25E	DIRT	Niton	XL3t	8/17/2012	60	0		0		22.42	10.61	115	22.37	0		0		320	103.33	2.268654	0.050905	0
GFL016 05+50E	DIRT	Niton	XL3t	8/17/2012	60	0		0		22.32	10.49	104	21.24	0		0		324	100.28	1.736476	0.043832	0
GFL016 05+75E	DIRT	Niton	XL3t	8/17/2012	60	0		0		15.9	10.05	78	19.74	0		0		287	96.61	1.561236	0.04246	0
GFL016 06+00E	DIRT	Niton	XL3t	8/17/2012	60	0		0		0		124	22.75	0		0		881	140.8	2.034802	0.047704	0
GFL016 06+25E	DIRT	Niton	XL3t	8/17/2012	60	0		0		0		102	21.61	0		0		548	120.76	2.129983	0.049482	0
GFL016 06+50E	DIRT	Niton	XL3t	8/18/2012	60	0		44.61	26.2	17.56	9.89	133	23.44	0		0		939	145.81	2.247797	0.050368	0
GFL016 06+75E	DIRT	Niton	XL3t	8/18/2012	60	0		0		0		101	21.14	0		0		1371	166.33	1.820633	0.045007	0
GFL016 07+00E	DIRT	Niton	XL3t	8/18/2012	60	0		0		17.6	10.02	159	25.4	0		0		1275	165.65	2.137327	0.049634	0
GFL016 07+25E	DIRT	Niton	XL3t	8/18/2012	60	0		0		18.58	10.26	185	27.06	0		0		1440	175.38	2.332237	0.05183	0
GFL016 07+50E	DIRT	Niton	XL3t	8/18/2012	60	0		0		46.11	13.32	142	25.3	0		0		611	131.61	2.65935	0.05697	0
GFL016 07+75E	DIRT	Niton	XL3t	8/18/2012	60	0		0		20.69	11.53	149	26.7	0		0		1640	199.88	2.276459	0.055423	0
GFL016 08+00E	DIRT	Niton	XL3t	8/18/2012	60	0		0		22.99	10.91	132	23.62	0		0		561	124.16	2.431557	0.052996	0
GFL016 08+25E	DIRT	Niton	XL3t	8/18/2012	60	0		0		22.6	10.78	191	28.14	0		0		832	146.32	2.650428	0.056551	0
GFL016 08+50E	DIRT	Niton	XL3t	8/18/2012	60	0		0		23.12	10.82	119	23.51	0		0		337	107.74	2.474163	0.0545	0
GFL016 08+75E	DIRT	Niton	XL3t	8/18/2012	60	11.54	6.39	0		24.49	11.73	97	22.92	0		0		348	114.1	2.362381	0.056138	0
GFL016 09+00E	DIRT	Niton	XL3t	8/18/2012	60	0		0		20.35	10.72	184	28.49	0		0		1186	170.43	2.750738	0.058609	0
GFL016 09+25E	DIRT	Niton	XL3t	8/18/2012	60	0		0		26.72	11.49	117	23.48	0		0		423	115.36	2.191548	0.052222	0
GFL016 09+50E	DIRT	Niton	XL3t	8/18/2012	60	0		0		21.24	10.72	101	22.13	0		0		300	102.75	2.173992	0.050963	0
GFL016 09+75E	DIRT	Niton	XL3t	8/18/2012	60	0		0		0		133	24.98	0		0		1001	154.68	1.949801	0.048857	0
GFL016 10+00E	DIRT	Niton	XL3t	8/18/2012	60	0		0		23.33	10.98	125	23.22	0		0		672	133.25	2.653966	0.055988	0
GFL016 10+25E	DIRT	Niton	XL3t	8/18/2012	60	0		0		20.88	10.71	59	17.91	0		0		205	93.24	2.083951	0.049139	0
GFL016 10+50E	DIRT	Niton	XL3t	8/18/2012	60	0		0		32.18	12.44	95	22.3	0		0		396	116.27	2.689116	0.058171	0
GFL016 10+75E	DIRT	Niton	XL3t	8/18/2012	60	0		0		22.32	11.11	130	24.75	0		0		510	126.47	2.741589	0.058759	0
GFL016 11+00E	DIRT	Niton	XL3t	8/18/2012	60	0		0		45.93	13.85	143	26.66	0		0		1116	172.47	2.676564	0.060151	0
GFL016 11+25E	DIRT	Niton	XL3t	8/18/2012	60	0		0		21.31	11.07	160	27.07	0		0		1517	191.65	2.930194	0.061469	0
GFL016 11+50E	DIRT	Niton	XL3t	8/18/2012	60	0		0		20.1	10.59	132	23.7	0		0		1272	167.22	2.46321	0.05346	0
GFL016 11+75E	DIRT	Niton	XL3t	8/18/2012	60	0		0		26.12	11.41	148	25.73	0		0		1098	162.09	2.838054	0.05846	0
GFL016 12+00E	DIRT	Niton	XL3t	8/18/2012	60	0		0		26	11.38	133	24.79	0		0		1205	170.05	2.57701	0.056558	0
GFL016 12+25E	DIRT	Niton	XL3t	8/18/2012	60	0		47.85	29.05	27.41	11.36	260	33.1	0		0		1975	212.16	3.329429	0.064774	0
GFL016 12+50E	DIRT	Niton	XL3t	8/18/2012	60	0		0		27.61	11.45	138	24.75	0		0		871	148.24	2.606679	0.056029	0
GFL016 12+75E	DIRT	Niton	XL3t	8/18/2012	60	0		0		21.42	10.79	174	26.77	0		0		394	111.7	2.209819	0.051226	0
GFL016 13+00E	DIRT	Niton	XL3t	8/18/2012	60	0		0		25.56	11.79	158	27.24	0		0		2405	234.03	2.884487	0.061423	18
GFL016 13+25E	DIRT	Niton	XL3t	8/18/2012	60	0		0		32.18	11.47	124	23.59	0		0		858	144.73	2.711586	0.056323	0
GFL016 13+50E	DIRT	Niton	XL3t	8/18/2012	60	0		0		21.67	10.86	100	22.17	0		0		918	149.99	1.813369	0.047468	0

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
GFL016 13+75E	DIRT	Niton	XL3t	8/18/2012	60	0		0		16.68	9.79	56	17.16	0		0		270	95.95	1.91073	0.046101	0
GFL016 14+00E	DIRT	Niton	XL3t	8/18/2012	60	0		0		0		101	21.53	0		0		440	115.1	2.36907	0.052357	0
GFL016 14+25E	DIRT	Niton	XL3t	8/18/2012	60	0		0		0		73	20.17	0		0		666	136.81	2.142746	0.052463	0
GFL016 14+50E	DIRT	Niton	XL3t	8/18/2012	60	0		0		30.37	12.01	178	28.31	0		0		1083	164.18	2.556558	0.056885	0
GFL016 14+75E	DIRT	Niton	XL3t	8/18/2012	60	0		0		16.1	10.07	99	21.22	0		0		358	106.66	2.382169	0.052656	0
GFL016 15+00E	DIRT	Niton	XL3t	8/18/2012	60	0		0		26.59	11.02	117	22.68	0		0		1245	166.92	2.651409	0.055622	0
GFL016 15+25E	DIRT	Niton	XL3t	8/18/2012	60	0		0		18.86	10.34	95	20.86	0		0		850	142.23	2.444844	0.053112	16
GFL016 15+50E	DIRT	Niton	XL3t	8/18/2012	60	0		0		18.06	10.73	144	26.25	0		0		1790	204.96	2.622054	0.058222	0
GFL016 15+75E	DIRT	Niton	XL3t	8/18/2012	60	0		0		0		58	17.23	0		0		271	95.41	1.841031	0.045526	0
GFL016 16+00E	DIRT	Niton	XL3t	8/18/2012	60	0		0		0		95	20.88	0		0		657	129.56	2.099457	0.049164	0
GFL016 16+25E	DIRT	Niton	XL3t	8/18/2012	60	0		0		20.51	10.44	160	25.62	0		0		729	133.37	2.237898	0.050707	0
GFL016 16+50E	DIRT	Niton	XL3t	8/18/2012	60	0		0		0		78	19.24	0		0		259	94.35	1.984193	0.046978	0
GFL016 16+75E	DIRT	Niton	XL3t	8/18/2012	60	0		0		0		85	20.14	0		0		614	125.19	2.077339	0.048778	16
GFL016 17+00E	DIRT	Niton	XL3t	8/18/2012	60	0		0		0		47	16.44	0		0		361	103.76	1.812308	0.045164	0
GFL016 17+25E	DIRT	Niton	XL3t	8/22/2012	60	0		0		0		58	17.17	0		0		243	94.53	2.059377	0.047938	0
GFL016 17+50E	DIRT	Niton	XL3t	8/22/2012	60	0		0		0		70	18.75	0		0		423	110.36	2.045247	0.048184	0
GFL016 17+75E	DIRT	Niton	XL3t	8/22/2012	60	0		0		25.76	11.19	117	23.09	0		0		1167	165.67	2.843894	0.058495	0
GFL016 18+00E	DIRT	Niton	XL3t	8/22/2012	60	0		0		19.54	10.38	129	23.59	0		0		1518	182.45	2.676246	0.056289	0
GFL016 18+25E	DIRT	Niton	XL3t	8/22/2012	60	0		0		18.29	10.13	77	19.03	0		0		661	129.03	2.482328	0.05294	0
GFL016 18+50E	DIRT	Niton	XL3t	8/22/2012	60	0		49.83	27.76	31.93	11.68	74	19.74	0		0		1407	178.33	2.877289	0.05838	0
GFL016 18+75E	DIRT	Niton	XL3t	8/22/2012	60	0		39.41	26.17	0		116	22.56	0		0		1437	174.42	2.329312	0.051634	0
GFL016 19+00E	DIRT	Niton	XL3t	8/22/2012	60	0		0		0		41	15.88	0		0		262	95.23	1.870685	0.045681	0
GFL016 19+25E	DIRT	Niton	XL3t	8/22/2012	60	0		0		36.55	12.4	125	24.07	0		0		2161	217.14	3.175343	0.062383	0
GFL016 19+50E	DIRT	Niton	XL3t	8/22/2012	60	0		42.71	26.59	21.75	10.69	113	22.4	0		0		645	130.76	2.689381	0.055498	0
GFL016 19+75E	DIRT	Niton	XL3t	8/22/2012	60	0		0		26.22	11.18	64	18.81	0		0		349	111.84	2.932407	0.05884	0
GFL016 20+00E	DIRT	Niton	XL3t	8/22/2012	60	0		42.48	28.11	25.99	11.49	137	25.04	0		0		2359	227.08	3.354348	0.064443	15.96
GFL016 20+25E	DIRT	Niton	XL3t	8/22/2012	60	0		0		18.89	10.39	91	20.66	0		0		287	101.98	2.619884	0.055309	0
GFL016 20+50E	DIRT	Niton	XL3t	8/22/2012	60	0		0		19.75	10.43	109	22.55	0		0		1802	196.01	2.566354	0.055243	0
GFL016 20+75E	DIRT	Niton	XL3t	8/22/2012	60	0		0		29.69	11.41	122	23.12	0		0		1887	200.17	3.058174	0.059847	0
GFL016 21+00E	DIRT	Niton	XL3t	8/22/2012	60	0		0		25.53	11.49	119	23.6	0		0		1214	173.89	3.630477	0.066807	14.9
GFL016 21+25E	DIRT	Niton	XL3t	8/22/2012	60	0		0		23.84	10.79	72	18.93	0		0		1114	157.47	2.539972	0.053854	0
GFL016 21+50E	DIRT	Niton	XL3t	8/22/2012	60	0		0		20.07	10.69	98	22.31	0		0		1336	178.01	3.135497	0.061938	0
GFL016 21+75E	DIRT	Niton	XL3t	8/22/2012	60	0		0		18.99	10.28	89	20.82	0		0		977	150.31	2.290205	0.05158	0
GFL016 22+00E	DIRT	Niton	XL3t	8/22/2012	60	0		0		22.36	10.51	111	22.43	0		0		808	140.03	2.450679	0.053078	0
GFL016 22+25E	DIRT	Niton	XL3t	8/22/2012	60	0		0		18.99	10.25	115	22.9	0		0		1372	173.91	2.572958	0.054985	0
GFL016 22+50E	DIRT	Niton	XL3t	8/22/2012	60	0		0		0		101	21.92	0		0		604	129.35	2.553088	0.055074	0
GFL016 22+75E	DIRT	Niton	XL3t	8/22/2012	60	0		0		0		119	22.73	0		0		740	135.86	2.521285	0.05422	0
GFL016 23+00E	DIRT	Niton	XL3t	8/22/2012	60	0		0		0		35	15.01	0		0		251	91.01	1.663896	0.04229	0
GFL016 23+25E	DIRT	Niton	XL3t	8/22/2012	60	0		0		23.61	10.94	109	22.09	0		0		869	147.02	3.072575	0.060142	0
GFL016 23+50E	DIRT	Niton	XL3t	8/22/2012	60	0		0		0		80	19.55	0		0		436	113.57	2.523121	0.053093	0
GFL016 23+75E	DIRT	Niton	XL3t	8/22/2012	60	0		0		18.5	10.33	116	22.67	0		0		647	133.43	3.236852	0.061502	0
GFL016 24+00E	DIRT	Niton	XL3t	8/22/2012	60	0		0		16.21	10.38	115	23.23	0		0		1094	165.29	3.709875	0.067262	0
GFL016 24+25E	DIRT	Niton	XL3t	8/22/2012	60	0		41.97	27.33	0		62	19.03	0		290.73	165.61	326	110.1	3.189235	0.061901	0
GFL016 24+50E	DIRT	Niton	XL3t	8/22/2012	60	0		0		0		232	31.47	0		0		1438	186.26	3.625599	0.0672	0
GFL016 24+75E	DIRT	Niton	XL3t	8/22/2012	60	0		0		17.95	10.62	161	26.89	0		0		1285	179.76	4.114929	0.071727	0

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
GFL016 25+00E	DIRT	Niton	XL3t	8/22/2012	60	0		0		15.52	10.21	148	25.33	0		0		2036	208.85	3.217804	0.062055	0
GFL016 25+25E	DIRT	Niton	XL3t	8/22/2012	60	0		0		0		88	19.88	0		0		210	92.1	2.151387	0.049209	0
GFL016 25+50E	DIRT	Niton	XL3t	8/22/2012	60	12.77	5.72	0		14.48	9.58	128	23.57	0		0		1594	184.26	3.246526	0.06091	0
GFL016 25+75E	DIRT	Niton	XL3t	8/22/2012	60	0		0		31.22	11.46	116	23.02	0		0		1547	182.86	2.661744	0.055871	0
GFL016 26+00E	DIRT	Niton	XL3t	8/22/2012	60	0		0		0		79	19.8	0		0		1209	163.95	2.441902	0.053307	0
GFL016 26+25E	DIRT	Niton	XL3t	8/22/2012	60	0		0		0		66	17.58	0		0		459	109.17	1.929467	0.045763	0
GFL016 26+50E	DIRT	Niton	XL3t	8/22/2012	60	0		0		19.38	10.37	50	16.95	0		0		447	111.56	1.940628	0.047092	0
GFL016 26+75E	DIRT	Niton	XL3t	8/22/2012	60	0		0		15.84	9.82	109	21.72	0		0		342	104.21	2.238532	0.050423	0
GFL016 27+00E	DIRT	Niton	XL3t	8/22/2012	60	0		0		14.37	9.29	36	14.28	0		0		233	82.94	0.964869	0.032014	0
GFL016 27+25E	DIRT	Niton	XL3t	8/22/2012	60	0		0		17.63	9.95	74	18.81	0		0		390	107.03	1.909243	0.046328	0
GFL016 27+50E	DIRT	Niton	XL3t	8/22/2012	60	0		0		19.32	10.44	100	21.42	0		0		425	112.65	2.3474	0.051779	0
GFL016 27+75E	DIRT	Niton	XL3t	8/22/2012	60	0		0		0		96	20.12	0		0		255	92.13	1.760251	0.043843	0
GFL016 28+00E	DIRT	Niton	XL3t	8/22/2012	60	0		0		20.17	10.54	57	17.42	0		0		529	120.46	2.245809	0.0509	0
GFL016 28+25E	DIRT	Niton	XL3t	8/22/2012	60	0		0		28.2	11.39	97	21.33	83	53.92	0		827	144	2.761339	0.057046	0
GFL016 28+50E	DIRT	Niton	XL3t	8/22/2012	60	0		0		23.57	10.67	66	18.41	0		0		300	101.82	2.376427	0.052009	0
GFL016 28+75E	DIRT	Niton	XL3t	8/22/2012	60	0		0		0		76	19.48	0		0		1820	192.86	2.295107	0.051378	12.48
GFL016 29+00E	DIRT	Niton	XL3t	8/22/2012	60	0		0		14.86	9.83	63	17.82	0		0		828	138.27	1.749349	0.044582	0
GFL016 29+25E	DIRT	Niton	XL3t	8/22/2012	60	0		0		22.91	10.7	88	20.03	0		0		386	107.5	2.060067	0.048209	0
GFL016 29+50E	DIRT	Niton	XL3t	8/22/2012	60	0		0		24.23	10.84	84	20.39	0		0		599	125.84	2.159038	0.050079	0
GFL016 29+75E	DIRT	Niton	XL3t	8/22/2012	60	0		0		0		45	16.06	0		0		254	91.91	1.77421	0.043851	0
GFL016 30+00E	DIRT	Niton	XL3t	8/22/2012	60	0		0		22.25	10.9	110	22.62	0		0		411	114.91	2.913456	0.058461	14.32
GFL016 30+25E	DIRT	Niton	XL3t	8/22/2012	60	0		0		15.11	9.69	88	19.99	0		0		476	113.22	2.254608	0.049901	0
GFL016 30+50E	DIRT	Niton	XL3t	8/22/2012	60	0		0		20.68	10.6	129	23.12	0		0		352	105.43	2.408695	0.052094	0
GFL016 30+75E	DIRT	Niton	XL3t	8/22/2012	60	0		0		15.6	9.67	55	17.15	0		0		265	96.52	2.125937	0.04862	0
GFL016 31+00E	DIRT	Niton	XL3t	8/22/2012	60	0		42.26	26.52	21.73	10.68	79	19.56	0		0		469	117.28	2.592866	0.054783	0
GFL016 31+25E	DIRT	Niton	XL3t	8/22/2012	60	0		0		0		95	21.02	0		0		926	148.08	2.602303	0.054538	0
GFL016 31+50E	DIRT	Niton	XL3t	8/22/2012	60	0		53.74	28.6	0		92	21.55	0		0		341	112.64	3.350886	0.063419	16.82
GFL016 31+75E	DIRT	Niton	XL3t	8/22/2012	60	0		0		0		45	15.77	0		0		283	93.12	1.580664	0.041066	0
GFL016 32+00E	DIRT	Niton	XL3t	8/22/2012	60	0		0		0		114	22.41	0		0		1653	185.51	2.645858	0.055	0
GFL016 32+25E	DIRT	Niton	XL3t	8/22/2012	60	0		0		15.26	10.13	148	25.66	0		0		1803	197.29	2.445096	0.054319	0
GFL016 32+50E	DIRT	Niton	XL3t	8/22/2012	60	0		0		18.98	10.56	149	25.33	0		0		1831	199.36	2.673663	0.056766	0
GFL016 32+75E	DIRT	Niton	XL3t	8/22/2012	60	0		0		16.7	10.35	169	26.73	0		0		1508	181.97	2.416137	0.05365	0
GFL016 33+00E	DIRT	Niton	XL3t	8/22/2012	60	0		58.76	29.17	21.63	10.85	216	29.9	0		0		1033	161.07	3.372585	0.06415	0
GFL016 33+25E	DIRT	Niton	XL3t	8/22/2012	60	0		0		0		207	29.27	0		0		1288	176.11	3.451307	0.06479	33.32
GFL016 33+50E	DIRT	Niton	XL3t	8/22/2012	60	0		0		18.17	10.76	273	34.14	0		0		3837	287.07	3.11018	0.063241	0
GFL016 33+75E	DIRT	Niton	XL3t	8/22/2012	60	0		0		17.45	10.36	100	21.74	0		0		656	133.64	2.753617	0.057538	17.65
GFL016 34+00E	DIRT	Niton	XL3t	8/22/2012	60	0		45.84	27.62	18.39	10.38	176	27.4	0		0		661	137.19	3.665537	0.066057	21.68
GFL016 34+25E	DIRT	Niton	XL3t	9/21/2012	60	0		0		41.85	8.63	196	19.35	0		0		1176	114.87	3.815943	0.045882	14.09
GFL016 34+50E	DIRT	Niton	XL3t	9/21/2012	60	0		42.16	18.08	46.17	8.91	117	15.49	0		171.12	107.26	2091	141.89	3.099902	0.040836	20.43
GFL016 34+75E	DIRT	Niton	XL3t	9/21/2012	60	0		41.08	18.17	65.47	9.83	110	15.28	0		0		3727	184.57	3.42236	0.043094	13.31
GFL016 35+00E	DIRT	Niton	XL3t	9/21/2012	60	0		0		0		75	13.04	0		0		202	63.22	2.212212	0.034236	9.26
GFL016 35+25E	DIRT	Niton	XL3t	9/21/2012	60	0		0		22.59	7.31	107	14.79	0		0		1498	121	2.537187	0.036604	13.14
GFL016 35+50E	DIRT	Niton	XL3t	9/21/2012	60	0		0		20.73	7.05	83	13.37	0		0		486	78.37	2.186696	0.033723	0
GFL016 35+75E	DIRT	Niton	XL3t	9/21/2012	60	0		0		20.36	6.98	145	16.57	0		0		1015	102.49	2.636102	0.036985	8.59
GFL016 36+00E	DIRT	Niton	XL3t	9/21/2012	60	0		0		10.55	6.32	91	13.78	0		143.05	94.35	703	89.57	2.462009	0.035754	0

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
GFL016 36+25E	DIRT	Niton	XL3t	9/21/2012	60	0		27.11	16.74	15.15	6.68	85	13.52	0		0		357	71.34	2.309275	0.034462	0
GFL016 36+50E	DIRT	Niton	XL3t	9/21/2012	60	0		0		16.39	6.8	115	15.49	0		0		965	103.65	2.891673	0.039369	0
GFL016 36+75E	DIRT	Niton	XL3t	9/21/2012	60	0		25.78	16.77	9.46	6.19	134	16.04	0		148.03	94.44	709	90.06	2.458686	0.035754	0
GFL016 37+00E	DIRT	Niton	XL3t	9/21/2012	60	0		0		22.4	7.18	164	17.56	0		0		1140	108.86	3.024008	0.039914	0
GFL016 37+25E	DIRT	Niton	XL3t	9/21/2012	60	0		0		13.08	6.61	140	16.69	62	35.21	0		1463	124.09	3.580764	0.044238	9.62
GFL016 37+50E	DIRT	Niton	XL3t	9/21/2012	60	0		31.2	17.41	13.82	6.62	131	16.01	0		0		686	91.16	3.216147	0.041254	0
GFL016 37+75E	DIRT	Niton	XL3t	9/21/2012	60	0		0		17.32	6.84	97	14.35	0		0		1476	119.43	2.352973	0.035123	0
GFL016 38+00E	DIRT	Niton	XL3t	9/21/2012	60	0		0		16.98	6.78	96	14.02	0		155.85	100.28	929	99.5	2.805873	0.038086	0
GFL017 00+00	DIRT	Niton	XL3t	8/18/2012	60	0		42.75	26.01	19.37	10.15	80	19.34	0		0		483	115.73	2.223171	0.050009	0
GFL017 00+25E	DIRT	Niton	XL3t	8/18/2012	60	0		47.31	28.29	26.14	11.21	97	21.78	0		0		1336	173.21	1.899004	0.048262	0
GFL017 00+50E	DIRT	Niton	XL3t	8/18/2012	60	0		0		0		38	16.54	0		0		357	108.29	1.602674	0.045066	0
GFL017 00+75E	DIRT	Niton	XL3t	8/18/2012	60	0		0		0		50	16.11	0		0		298	94.39	1.458552	0.040057	0
GFL017 01+00E	DIRT	Niton	XL3t	8/18/2012	60	0		0		16.16	9.74	55	17.16	0		0		243	92.88	1.609139	0.042504	0
GFL017 01+25E	DIRT	Niton	XL3t	8/18/2012	60	9.96	6.12	65.38	31.32	44.02	13.64	85	21.64	0		0		2696	249.26	3.727494	0.070063	0
GFL017 01+50E	DIRT	Niton	XL3t	8/18/2012	60	0		0		0		73	18.59	0		0		389	104.05	1.715091	0.043547	0
GFL017 01+75E	DIRT	Niton	XL3t	8/18/2012	60	0		0		0		69	18.44	0		0		231	92.84	1.996794	0.04693	0
GFL017 02+00E	DIRT	Niton	XL3t	8/18/2012	60	0		0		0		92	20.37	0		0		493	114.4	1.926831	0.04623	0
GFL017 02+25E	DIRT	Niton	XL3t	8/18/2012	60	0		0		20.24	10.08	68	18.17	0		0		148	83.81	1.791147	0.044489	0
GFL017 02+50E	DIRT	Niton	XL3t	8/18/2012	60	0		0		30.35	11.13	74	18.48	0		0		214	89.61	1.788171	0.044367	0
GFL017 02+75E	DIRT	Niton	XL3t	8/18/2012	60	0		0		16.46	9.68	79	19.14	0		0		244	92.7	1.622855	0.042258	0
GFL017 03+00E	DIRT	Niton	XL3t	8/18/2012	60	0		0		31.15	11.7	106	21.75	0		0		1199	165.83	2.868517	0.057834	0
GFL017 03+25E	DIRT	Niton	XL3t	8/18/2012	60	0		0		34.51	12	90	20.81	0		0		434	117.71	2.862228	0.058083	0
GFL017 03+50E	DIRT	Niton	XL3t	8/18/2012	60	0		0		26.9	11.57	106	22.75	0		0		1036	159.52	2.842532	0.05912	0
GFL017 03+75E	DIRT	Niton	XL3t	8/18/2012	60	0		0		18.83	10.17	104	21.87	0		0		486	116.01	2.284668	0.050765	0
GFL017 04+00E	DIRT	Niton	XL3t	8/18/2012	60	0		0		22.98	10.84	85	20.37	0		0		582	125.52	2.564784	0.054551	0
GFL017 04+25E	DIRT	Niton	XL3t	8/18/2012	60	0		0		0		41	15.05	0		0		177	80.04	1.159903	0.035034	0
GFL017 04+50E	DIRT	Niton	XL3t	8/18/2012	60	0		0		0		85	19.75	0		0		304	102.86	2.645238	0.054987	0
GFL017 04+75E	DIRT	Niton	XL3t	8/18/2012	60	0		0		26.23	11.06	107	21.77	0		0		631	129.05	2.577613	0.054472	0
GFL017 05+00E	DIRT	Niton	XL3t	8/18/2012	60	0		0		20.32	10.25	139	24	0		0		533	119.77	2.252457	0.050442	0
GFL017 05+25E	DIRT	Niton	XL3t	8/18/2012	60	0		0		28.22	10.94	131	23.3	0		0		493	115.65	2.049867	0.04806	0
GFL017 05+50E	DIRT	Niton	XL3t	8/18/2012	60	0		0		0		99	21.27	0		0		505	121.36	2.536107	0.054743	0
GFL017 05+75E	DIRT	Niton	XL3t	8/18/2012	60	0		0		0		61	17.59	0		0		310	96.09	1.621406	0.042038	0
GFL017 06+00E	DIRT	Niton	XL3t	8/18/2012	60	0		0		0		145	24.33	0		0		553	122.08	2.064485	0.048393	12
GFL017 06+25E	DIRT	Niton	XL3t	8/18/2012	60	0		0		0		138	23.86	0		0		418	110.59	2.271089	0.050687	0
GFL017 06+50E	DIRT	Niton	XL3t	8/18/2012	60	0		0		17.05	10.2	141	24.13	0		0		308	102.96	2.593855	0.054412	0
GFL017 06+75E	DIRT	Niton	XL3t	8/18/2012	60	0		62.32	29.3	38	12.57	186	28.36	0		0		334	113.35	3.494403	0.064875	0
GFL017 07+00E	DIRT	Niton	XL3t	8/18/2012	60	0		0		50.31	13.6	139	25.17	91	55.27	0		608	132.14	2.918119	0.059671	0
GFL017 07+25E	DIRT	Niton	XL3t	8/18/2012	60	0		0		33.72	11.73	243	30.91	0		0		2140	210.41	2.585042	0.055175	0
GFL017 07+50E	DIRT	Niton	XL3t	8/18/2012	60	0		0		47.23	13.57	149	26.16	0		0		640	139.74	3.619907	0.067557	0
GFL017 07+75E	DIRT	Niton	XL3t	8/18/2012	60	0		0		22.28	10.5	141	24.54	0		0		643	128.9	2.429429	0.0529	0
GFL017 08+00E	DIRT	Niton	XL3t	8/18/2012	60	0		0		31.4	11.69	130	23.81	0		0		1438	178.38	3.133706	0.060415	0
GFL017 08+25E	DIRT	Niton	XL3t	8/18/2012	60	0		0		14.86	9.79	94	20.61	0		0		559	121.51	1.966989	0.047274	0
GFL017 08+50E	DIRT	Niton	XL3t	8/18/2012	60	0		0		31.89	11.33	58	17.63	0		0		680	127.54	1.84766	0.045577	0
GFL017 08+75E	DIRT	Niton	XL3t	8/18/2012	60	0		0		28.31	10.99	105	21.5	0		0		640	126.38	2.014401	0.047476	0
GFL017 09+00E	DIRT	Niton	XL3t	8/18/2012	60	0		0		17.91	10.18	160	25.54	0		238	140.83	1508	179.6	2.367727	0.052473	0

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
GFL017 09+25E	DIRT	Niton	XL3t	8/20/2012	60	0		0		0		108	21.94	0		0		556	122.14	2.521053	0.053786	0
GFL017 09+75E	DIRT	Niton	XL3t	8/20/2012	60	0		0		21.74	10.57	197	27.95	0		310.37	151.36	404	113.08	2.722203	0.055992	0
GFL017 10+00E	DIRT	Niton	XL3t	8/20/2012	60	0		0		22.84	10.71	143	24.5	0		0		394	111.37	2.616694	0.054898	0
GFL017 10+25E	DIRT	Niton	XL3t	8/20/2012	60	0		0		0		87	19.58	0		0		405	105.47	1.788001	0.044357	0
GFL017 10+50E	DIRT	Niton	XL3t	8/20/2012	60	0		0		21.61	10.32	126	23.3	0		0		578	123.48	2.184762	0.050089	0
GFL017 10+75E	DIRT	Niton	XL3t	8/20/2012	60	0		0		25.93	10.93	129	23.51	0		0		1166	160.1	2.574267	0.054102	0
GFL017 11+00E	DIRT	Niton	XL3t	8/20/2012	60	0		0		22.58	10.59	86	19.97	0		0		519	118.41	2.371827	0.051752	0
GFL017 11+25E	DIRT	Niton	XL3t	8/20/2012	60	0		0		17.05	9.99	136	23.77	0		0		573	124	2.608342	0.054473	0
GFL017 11+50E	DIRT	Niton	XL3t	8/20/2012	60	0		0		25.57	11.37	130	24.24	0		0		1152	165.95	2.970267	0.059737	0
GFL017 11+75E	DIRT	Niton	XL3t	8/20/2012	60	0		0		34.31	12.25	139	24.79	0		0		2581	233.99	3.251422	0.062896	0
GFL017 12+00E	DIRT	Niton	XL3t	8/20/2012	60	0		42.46	27.05	44.15	12.82	123	23.28	0		0		1845	199.61	3.149892	0.061118	0
GFL017 12+25E	DIRT	Niton	XL3t	8/20/2012	60	0		0		23.76	10.95	130	24.13	0		0		989	154.72	2.953866	0.059041	0
GFL017 12+50E	DIRT	Niton	XL3t	8/20/2012	60	0		0		20.9	10.59	114	22.62	0		0		710	135.06	2.751253	0.056492	0
GFL017 12+75E	DIRT	Niton	XL3t	8/20/2012	60	0		0		25.43	10.99	137	24.39	0		227.66	150.87	638	129.91	2.757309	0.056589	0
GFL017 13+00E	DIRT	Niton	XL3t	8/20/2012	60	0		0		20.49	10.57	104	21.55	0		0		554	122.54	2.572354	0.054303	0
GFL017 13+25E	DIRT	Niton	XL3t	8/20/2012	60	0		0		22.11	11	149	24.91	0		0		1719	189.32	2.52272	0.054032	0
GFL017 13+50E	DIRT	Niton	XL3t	8/20/2012	60	0		0		36.37	11.98	181	27.02	0		0		1272	167.72	2.754092	0.056295	0
GFL017 13+75E	DIRT	Niton	XL3t	8/20/2012	60	0		0		16.57	9.97	128	23.48	0		0		1961	201.32	2.52303	0.054297	0
GFL017 14+00E	DIRT	Niton	XL3t	8/20/2012	60	0		0		24.41	10.91	154	25.47	0		0		1015	154.15	2.793255	0.056879	0
GFL017 14+25E	DIRT	Niton	XL3t	8/20/2012	60	0		0		0		94	21.57	0		0		863	149.28	2.968292	0.059751	23.49
GFL017 14+50E	DIRT	Niton	XL3t	8/20/2012	60	0		49.68	29.16	48.41	13.86	111	23.55	0		0		973	168.46	5.675876	0.084302	24.51
GFL017 14+75E	DIRT	Niton	XL3t	8/20/2012	60	0		0		28.11	11.13	109	21.7	0		0		900	144.74	2.694053	0.055213	0
GFL017 15+00E	DIRT	Niton	XL3t	8/20/2012	60	0		0		25.51	10.9	90	20.31	0		0		450	114.35	2.428692	0.052418	0
GFL017 15+25E	DIRT	Niton	XL3t	8/20/2012	60	0		0		18.5	10.17	90	20.08	0		0		691	131.16	2.238008	0.050166	0
GFL017 15+50E	DIRT	Niton	XL3t	8/20/2012	60	0		0		16.35	9.86	46	16.62	0		0		444	111.64	2.186371	0.049415	0
GFL017 15+75E	DIRT	Niton	XL3t	8/20/2012	60	0		0		0		101	21.04	0		0		891	143.06	2.444447	0.052628	0
GFL017 16+00E	DIRT	Niton	XL3t	8/20/2012	60	0		0		0		96	20.63	0		0		366	106.76	2.318971	0.050939	0
GFL017 16+25E	DIRT	Niton	XL3t	8/20/2012	60	0		41.3	26.5	25.98	10.89	214	29.05	0		0		1288	170.82	3.090987	0.059868	0
GFL017 16+50E	DIRT	Niton	XL3t	8/20/2012	60	0		0		21.71	10.54	110	22.34	0		0		394	113.29	3.024942	0.059138	0
GFL017 16+75E	DIRT	Niton	XL3t	8/20/2012	60	0		0		17.08	9.91	101	21.37	0		0		797	138.34	2.458853	0.052787	0
GFL017 17+00E	DIRT	Niton	XL3t	8/20/2012	60	0		0		0		42	15.56	0		0		217	85.11	1.382526	0.038665	0
GFL017 17+25E	DIRT	Niton	XL3t	8/20/2012	60	0		0		27.78	11.04	140	24.32	0		0		1666	186.07	2.503451	0.053591	0
GFL017 17+50E	DIRT	Niton	XL3t	8/20/2012	60	0		0		24.51	11.09	110	22.65	0		0		1324	173.29	2.652694	0.056349	0
GFL017 17+75E	DIRT	Niton	XL3t	8/20/2012	60	0		0		14.74	9.75	139	23.69	0		0		1288	166.36	2.665036	0.054767	0
GFL017 18+00E	DIRT	Niton	XL3t	8/20/2012	60	0		0		16.43	10.17	97	21.11	0		0		1268	169.39	2.752203	0.056641	0
GFL017 18+25E	DIRT	Niton	XL3t	8/20/2012	60	0		0		25.24	10.72	87	19.8	0		0		307	104.06	2.497837	0.053146	0
GFL017 18+50E	DIRT	Niton	XL3t	8/20/2012	60	0		0		18.5	10.36	98	21.48	0		0		1165	166.04	3.224087	0.061815	0
GFL017 18+75E	DIRT	Niton	XL3t	8/20/2012	60	0		0		33.55	11.49	119	22.41	0		0		1475	176.9	2.881821	0.057229	0
GFL017 19+00E	DIRT	Niton	XL3t	8/20/2012	60	0		0		25.7	10.81	120	22.68	0		0		1279	167.39	2.966369	0.058012	0
GFL017 19+25E	DIRT	Niton	XL3t	8/20/2012	60	0		0		32.89	11.46	75	18.86	0		0		252	100.46	3.039971	0.058476	0
GFL017 19+50E	DIRT	Niton	XL3t	8/20/2012	60	0		0		27.04	11.27	118	22.91	0		0		673	133.11	3.108439	0.060098	0
GFL017 19+75E	DIRT	Niton	XL3t	8/20/2012	60	0		0		36.81	11.92	143	24.39	0		0		1881	197.66	3.085765	0.05935	0
GFL017 20+00E	DIRT	Niton	XL3t	8/20/2012	60	0		0		21.31	10.38	115	22.55	0		0		1263	166.05	2.676903	0.05516	0
GFL017 20+25E	DIRT	Niton	XL3t	8/20/2012	60	0		55.3	26.93	23.88	10.66	136	23.43	0		0		1940	196.96	2.944971	0.057401	0
GFL017 20+50E	DIRT	Niton	XL3t	8/20/2012	60	0		0		28.09	11.36	92	21	0		0		592	127.85	2.970795	0.058974	0

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
GFL017 20+75E	DIRT	Niton	XL3t	8/20/2012	60	0		47.52	27.3	39.58	12.4	116	22.75	0		0		1660	189.87	3.177883	0.061008	0
GFL017 21+00E	DIRT	Niton	XL3t	8/20/2012	60	0		61.47	27.69	28.36	11.15	114	22.25	0		0		1637	184.72	3.036869	0.058703	0
GFL017 21+25E	DIRT	Niton	XL3t	8/20/2012	60	0		0		32.57	12.18	131	24.07	0		0		1765	197.74	3.480954	0.064628	0
GFL017 21+50E	DIRT	Niton	XL3t	8/20/2012	60	0		43.52	26.97	17.21	10.23	63	18.51	0		0		263	103.31	3.084488	0.060016	0
GFL017 21+75E	DIRT	Niton	XL3t	8/20/2012	60	0		0		0		94	21.16	0		0		533	126.04	3.455848	0.063651	16.86
GFL017 22+00E	DIRT	Niton	XL3t	8/20/2012	60	0		0		28.69	11.15	76	19.49	0		0		611	125.98	2.447107	0.052452	0
GFL017 22+25E	DIRT	Niton	XL3t	8/20/2012	60	0		0		29.21	11.24	103	21.29	0		0		885	143.47	2.961761	0.057715	0
GFL017 22+50E	DIRT	Niton	XL3t	8/20/2012	60	0		0		17.61	9.97	50	17.24	0		0		312	103.7	2.803079	0.056146	0
GFL017 22+75E	DIRT	Niton	XL3t	8/20/2012	60	0		43.62	26.53	24.8	10.96	80	19.86	0		0		302	104.2	2.785148	0.056415	0
GFL017 23+00E	DIRT	Niton	XL3t	8/20/2012	60	0		0		26.27	10.89	85	19.68	0		0		753	134.93	2.758794	0.055503	0
GFL017 23+25E	DIRT	Niton	XL3t	8/20/2012	60	0		0		16.9	10.07	95	21.02	0		0		503	119.96	2.864402	0.057535	0
GFL017 23+50E	DIRT	Niton	XL3t	8/20/2012	60	0		0		26.36	11.04	127	23.75	0		0		479	122.95	3.214287	0.0616	0
GFL017 23+75E	DIRT	Niton	XL3t	8/20/2012	60	0		56.57	30.24	0		124	24.98	0		0		583	142.1	4.696046	0.077876	0
GFL017 24+00E	DIRT	Niton	XL3t	8/20/2012	60	0		0		0		96	20.65	0		0		2735	228.81	2.031379	0.04814	0
GFL017 24+25E	DIRT	Niton	XL3t	8/20/2012	60	0		0		22.58	10.55	79	19.38	0		0		721	134.03	2.997339	0.057827	0
GFL017 24+50E	DIRT	Niton	XL3t	8/20/2012	60	0		38.48	25.59	22.15	10.3	78	18.9	0		0		962	147.21	2.63817	0.054145	0
GFL017 24+75E	DIRT	Niton	XL3t	8/20/2012	60	0		0		21.95	10.36	74	18.71	0		0		487	116.13	2.382091	0.051483	0
GFL017 25+00E	DIRT	Niton	XL3t	8/20/2012	60	0		38.72	24.49	16.13	9.49	41	15.2	0		0		153	78.97	1.16273	0.03513	0
GFL017 25+25E	DIRT	Niton	XL3t	8/20/2012	60	0		0		17.3	10.11	86	20.73	0		0		1185	165.11	2.991948	0.059143	0
GFL017 25+50E	DIRT	Niton	XL3t	8/20/2012	60	0		0		16.19	9.96	73	19	0		0		461	117.06	2.626075	0.054853	0
GFL017 25+75E	DIRT	Niton	XL3t	8/20/2012	60	0		0		16.86	9.95	73	18.58	0		0		371	108.79	2.642525	0.054533	0
GFL017 26+00E	DIRT	Niton	XL3t	8/20/2012	60	0		0		22.64	10.63	84	19.75	0		0		491	118.27	2.740016	0.055562	0
GFL017 26+25E	DIRT	Niton	XL3t	8/20/2012	60	0		0		16.44	9.82	49	16.07	0		0		309	98.18	1.631939	0.042282	0
GFL017 26+50E	DIRT	Niton	XL3t	8/20/2012	60	0		0		0		71	18.28	0		0		332	101.68	2.260092	0.050273	0
GFL017 26+75E	DIRT	Niton	XL3t	8/20/2012	60	0		0		25.94	11.07	116	22.91	0		0		778	140.56	2.770899	0.057142	0
GFL017 27+00E	DIRT	Niton	XL3t	8/20/2012	60	0		0		0		45	15.94	0		0		220	91.34	2.061019	0.047484	0
GFL017 27+25E	DIRT	Niton	XL3t	8/20/2012	60	0		0		0		0		0		0		189	80.3	1.111269	0.034226	0
GFL017 27+50E	DIRT	Niton	XL3t	8/20/2012	60	0		0		0		52	16.08	0		0		128	77.06	1.429766	0.038934	0
GFL017 27+75E	DIRT	Niton	XL3t	8/20/2012	60	0		0		0		57	16.29	0		0		189	81.65	1.488998	0.039228	0
GFL017 28+00E	DIRT	Niton	XL3t	8/20/2012	60	0		0		0		53	16.29	0		0		221	89.64	2.021387	0.046555	10.8
GFL017 28+25E	DIRT	Niton	XL3t	8/20/2012	60	0		0		15.12	9.44	44	15.31	0		0		136	73.78	0.882472	0.030654	0
GFL017 28+50E	DIRT	Niton	XL3t	8/20/2012	60	0		0		20.84	10.07	60	17.18	0		0		400	107.02	2.424571	0.051098	0
GFL017 28+75E	DIRT	Niton	XL3t	8/20/2012	60	0		0		18.37	9.83	79	19.04	0		0		203	88.88	2.273438	0.04943	0
GFL017 29+00E	DIRT	Niton	XL3t	8/20/2012	60	0		0		0		47	16.32	0		0		246	89.82	1.66722	0.042331	0
GFL017 29+25E	DIRT	Niton	XL3t	8/20/2012	60	0		0		0		92	20.24	0		0		390	107.26	2.269195	0.050069	11.78
GFL017 29+50E	DIRT	Niton	XL3t	8/20/2012	60	0		0		21.2	10.31	72	18.35	0		0		198	90.41	2.152031	0.048565	0
GFL017 29+75E	DIRT	Niton	XL3t	8/20/2012	60	0		0		0		64	18.78	0		0		264	102.84	2.452773	0.054895	0
GFL017 30+00E	DIRT	Niton	XL3t	8/20/2012	60	0		0		0		78	19.42	0		0		354	107.01	2.661389	0.055279	0
GFL017 30+25E	DIRT	Niton	XL3t	8/21/2012	60	0		0		16.84	10.58	70	19.79	0		0		351	112.46	3.206761	0.062658	0
GFL017 34+25E	DIRT	Niton	XL3t	8/21/2012	60	0		0		17.62	10.14	54	17.56	0		0		382	108.71	2.470763	0.053417	0
GFL017 34+50E	DIRT	Niton	XL3t	8/21/2012	60	0		0		0		105	22.4	0		0		539	129.06	3.666698	0.066576	12.72
GFL017 34+75E	DIRT	Niton	XL3t	8/21/2012	60	0		0		25.96	11.3	107	22.83	0		0		797	148.32	3.704374	0.06755	0
GFL017 35+00E	DIRT	Niton	XL3t	8/21/2012	60	0		0		0		139	25.04	0		0		519	124.95	2.985251	0.060542	14.46
GFL017 35+25E	DIRT	Niton	XL3t	8/21/2012	60	0		0		25.32	11.38	101	22.5	0		0		1457	185.35	2.758838	0.058839	22.32
GFL017 35+50E	DIRT	Niton	XL3t	8/21/2012	60	0		0		0		82	20.77	0		0		468	123.08	2.733242	0.058625	24.02

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
GFL017 35+75E	DIRT	Niton	XL3t	8/22/2012	60	0		49.04	29.31	27.07	11.54	73	20.59	0		305.21	181.26	495	128.49	3.630257	0.068005	0
GFL017 36+00E	DIRT	Niton	XL3t	8/22/2012	60	0		49.5	28.54	27.59	11.39	109	22.82	0		264.47	156.32	847	148.65	2.747957	0.058309	0
GFL017 36+25E	DIRT	Niton	XL3t	8/22/2012	60	0		0		27.45	11.15	106	22.57	0		0		2514	230.54	2.857366	0.059013	0
GFL017 36+50E	DIRT	Niton	XL3t	8/22/2012	60	9.26	5.95	42.06	27.86	16.23	10.29	117	23.7	0		0		494	123.54	2.963419	0.06002	0
GFL017 36+75E	DIRT	Niton	XL3t	8/22/2012	60	0		0		21.22	10.97	152	26.12	0		0		805	149.2	3.278123	0.063924	0
GFL017 37+00E	DIRT	Niton	XL3t	8/22/2012	60	0		43.05	27.16	29.97	11.46	125	23.67	0		0		2053	208.98	2.764867	0.057528	0
GFL017 37+25E	DIRT	Niton	XL3t	8/22/2012	60	0		0		0		129	23.99	0		0		1052	159.02	2.653946	0.05663	0
GFL017 37+50E	DIRT	Niton	XL3t	8/22/2012	60	11.56	6.25	0		24.31	11.36	127	24.55	0		0		2262	225.51	3.133762	0.062977	0
GFL017 37+75E	DIRT	Niton	XL3t	8/22/2012	60	0		0		0		106	21.73	0		0		562	124.48	2.611402	0.054663	12.46
GFL017 38+00E	DIRT	Niton	XL3t	8/22/2012	60	0		0		0		118	23.39	0		0		2007	207.5	2.869469	0.058778	0
GFL018 00+00	DIRT	Niton	XL3t	9/20/2012	60	0		26.4	17.55	11.7	6.59	113	15.51	0		0		657	92.13	3.233273	0.042075	9.06
GFL018 00+25E	DIRT	Niton	XL3t	9/20/2012	60	0		0		15.39	6.79	136	16.58	0		0		1609	128.22	2.909297	0.040087	0
GFL018 00+50E	DIRT	Niton	XL3t	9/20/2012	60	0		49.46	19.43	27.31	7.81	84	14.32	0		0		3285	179.44	3.618262	0.04553	0
GFL018 00+75E	DIRT	Niton	XL3t	9/20/2012	60	0		26.55	17.32	18.14	6.91	120	15.7	0		0		872	99.2	2.859588	0.039223	0
GFL018 01+00E	DIRT	Niton	XL3t	9/20/2012	60	0		0		11.33	6.17	70	12.48	0		0		334	68.19	2.007412	0.031709	0
GFL018 01+25E	DIRT	Niton	XL3t	9/20/2012	60	0		0		15.64	6.79	120	15.42	0		0		707	89.99	2.558839	0.036495	0
GFL018 01+50E	DIRT	Niton	XL3t	9/20/2012	60	0		0		24.91	7.38	98	14.44	0		0		441	78.45	2.701792	0.037987	0
GFL018 01+75E	DIRT	Niton	XL3t	9/20/2012	60	0		0		11.68	6.05	43	10.34	0		0		274	61.77	1.581265	0.027522	0
GFL018 02+00E	DIRT	Niton	XL3t	9/20/2012	60	0		26.08	16.7	11.93	6.32	66	12.39	0		0		407	74.81	2.572213	0.036353	9.28
GFL018 02+25E	DIRT	Niton	XL3t	9/20/2012	60	0		0		16.15	6.48	53	11.21	0		0		348	67.44	1.774587	0.029501	0
GFL018 02+50E	DIRT	Niton	XL3t	9/20/2012	60	0		0		13.31	6.14	47	10.71	0		0		233	59.49	1.467988	0.026643	0
GFL018 02+75E	DIRT	Niton	XL3t	9/20/2012	60	0		0		12.42	6.1	45	10.5	0		0		196	56.96	1.375707	0.02582	0
GFL018 03+00E	DIRT	Niton	XL3t	9/20/2012	60	0		0		0		62	11.57	0		0		322	65.01	1.645946	0.028211	0
GFL018 03+25E	DIRT	Niton	XL3t	9/20/2012	60	0		0		15.43	6.36	49	10.97	0		0		344	66.82	1.588401	0.027949	0
GFL018 03+50E	DIRT	Niton	XL3t	9/26/2012	60	0		0		25.7	7.46	83	13.57	0		0		372	74.44	2.691964	0.037708	0
GFL018 03+75E	DIRT	Niton	XL3t	9/26/2012	60	0		0		24.76	7.53	103	14.88	0		0		331	75.61	3.426754	0.043104	0
GFL018 04+00E	DIRT	Niton	XL3t	9/26/2012	60	0		0		15.63	6.63	105	14.36	0		0		635	84.44	2.17985	0.033378	0
GFL018 04+25E	DIRT	Niton	XL3t	9/23/2012	60	0		0		15.14	6.63	98	14.34	0		178.67	96.75	435	77.18	2.528011	0.036445	8.61
GFL018 04+50E	DIRT	Niton	XL3t	9/23/2012	60	0		26.94	15.96	14.26	6.15	59	11.59	0		0		213	59.5	1.683637	0.028639	0
GFL018 04+75E	DIRT	Niton	XL3t	9/23/2012	60	0		0		14.1	6.17	35	9.65	0		0		335	63.95	1.228683	0.024154	0
GFL018 05+00E	DIRT	Niton	XL3t	9/23/2012	60	0		0		21.5	6.79	45	10.44	0		0		263	60.87	1.39367	0.025924	0
GFL018 05+25E	DIRT	Niton	XL3t	9/23/2012	60	0		0		12.88	6.31	82	13.11	0		0		638	84.67	2.058433	0.032278	7.76
GFL018 05+50E	DIRT	Niton	XL3t	9/23/2012	60	0		0		15.55	6.3	48	10.91	0		0		341	65.93	1.638364	0.028175	0
GFL018 05+75E	DIRT	Niton	XL3t	9/23/2012	60	0		0		13.01	6.52	62	12.32	0		148.57	84.26	367	71.22	1.916018	0.031583	0
GFL018 06+00E	DIRT	Niton	XL3t	9/23/2012	60	0		24.88	16.02	10.95	6.04	76	12.59	0		0		580	79.59	1.652588	0.028568	0
GFL018 06+25E	DIRT	Niton	XL3t	9/23/2012	60	0		0		22.59	7.2	107	14.82	0		0		987	102.38	2.427458	0.035797	0
GFL018 06+50E	DIRT	Niton	XL3t	9/23/2012	60	0		41.01	17.85	22.8	7.19	77	13.29	0		0		444	76.5	2.115971	0.033437	0
GFL018 06+75E	DIRT	Niton	XL3t	9/23/2012	60	0		25.91	16.47	12.71	6.39	65	12.26	0		0		182	58.49	1.827556	0.030541	0
GFL018 07+00E	DIRT	Niton	XL3t	9/23/2012	60	0		0		23.53	7.12	88	13.75	0		0		600	83.51	2.019469	0.032312	0
GFL018 07+25E	DIRT	Niton	XL3t	9/23/2012	60	0		0		15.8	6.38	51	10.89	0		0		258	60.46	1.412927	0.026018	0
GFL018 07+50E	DIRT	Niton	XL3t	9/23/2012	60	0		0		21.08	7.12	96	14.41	0		148.94	90.18	594	84.36	2.174098	0.033983	0
GFL018 07+75E	DIRT	Niton	XL3t	9/23/2012	60	0		0		10.16	6.04	36	10.01	0		0		121	51.11	1.316112	0.025232	0
GFL018 08+00E	DIRT	Niton	XL3t	9/23/2012	60	0		26.4	17.11	29.9	7.75	127	15.85	0		0		678	90.94	3.068145	0.040321	0
GFL018 08+25E	DIRT	Niton	XL3t	9/19/2012	60	0		0		0		37	9.75	0		0		197	54.78	1.083204	0.022584	0
GFL018 08+50E	DIRT	Niton	XL3t	9/19/2012	60	0		0		15.57	6.8	123	15.5	0		0		747	90.75	2.308813	0.034593	0

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
GFL018 08+75E	DIRT	Niton	XL3t	9/19/2012	60	0		0		17.29	6.77	196	18.91	0		0		1267	112.65	2.684283	0.037503	8.96
GFL018 09+00E	DIRT	Niton	XL3t	9/19/2012	60	0		0		20.32	6.85	129	15.69	0		0		669	87.2	2.5357	0.035964	0
GFL018 09+25E	DIRT	Niton	XL3t	9/19/2012	60	0		0		10.31	5.96	32	9.75	0		120.9	67.79	200	56.52	1.31165	0.025158	0
GFL018 09+50E	DIRT	Niton	XL3t	9/19/2012	60	0		0		21.03	6.95	143	16.4	0		0		1311	112.84	2.157	0.033434	0
GFL018 09+75E	DIRT	Niton	XL3t	9/19/2012	60	0		52.39	19.15	45.84	8.93	92	14.37	56	35.52	0		877	102.32	3.471579	0.043666	0
GFL018 10+00E	DIRT	Niton	XL3t	9/19/2012	60	0		0		32.5	7.89	101	14.45	0		0		954	100.83	2.465317	0.036011	0
GFL018 10+25E	DIRT	Niton	XL3t	9/19/2012	60	0		0		26.43	7.49	179	18.26	0		0		1189	110.62	2.515763	0.036686	11.26
GFL018 10+50E	DIRT	Niton	XL3t	9/19/2012	60	0		0		21.34	7.06	67	12.21	0		0		654	84.34	2.033891	0.032112	0
GFL018 10+75E	DIRT	Niton	XL3t	9/19/2012	60	0		28.98	17.01	14.16	6.64	125	15.52	0		0		969	99.94	2.044221	0.032633	0
GFL018 11+00E	DIRT	Niton	XL3t	9/19/2012	60	0		0		23.71	7.2	118	15.23	52	32.4	0		2825	157.43	1.959672	0.032068	0
GFL018 11+25E	DIRT	Niton	XL3t	9/19/2012	60	0		26.1	17.09	25.63	7.49	148	16.86	0		0		629	87.92	2.865663	0.038912	0
GFL018 11+50E	DIRT	Niton	XL3t	9/19/2012	60	0		0		21.84	7.24	132	15.99	0		0		1618	123.68	2.229236	0.034233	0
GFL018 11+75E	DIRT	Niton	XL3t	9/19/2012	60	0		25.54	16.87	25.1	7.36	169	17.7	0		0		749	92.4	2.834041	0.038447	10.93
GFL018 12+00E	DIRT	Niton	XL3t	9/20/2012	60	0		0		27.93	7.51	150	17.03	52.6	34.32	0		1358	116.9	2.773172	0.038347	0
GFL018 12+25E	DIRT	Niton	XL3t	9/13/2012	60	0		0		31.3	7.78	195	18.99	59.24	34.4	0		1201	112.48	3.093793	0.040644	0
GFL018 12+50E	DIRT	Niton	XL3t	9/13/2012	60	0		29.87	17.32	29.32	7.83	179	18.24	0		0		1026	105.24	3.026652	0.04	0
GFL018 12+75E	DIRT	Niton	XL3t	9/13/2012	60	0		33.67	17.38	41.5	8.34	176	17.99	0		0		3205	169.54	3.006143	0.039956	0
GFL018 13+00E	DIRT	Niton	XL3t	9/13/2012	60	0		0		29.28	7.71	139	16.44	0		0		718	92.26	3.009132	0.039922	0
GFL018 13+25W	DIRT	Niton	XL3t	9/13/2012	60	0		27.51	17.14	22.35	7.14	209	19.37	0		0		1917	135.27	2.928705	0.039401	0
GFL018 13+50W	DIRT	Niton	XL3t	9/13/2012	60	0		27.13	17.17	33.16	7.88	149	16.71	70.17	34.72	0		2293	146.66	3.153632	0.040921	0
GFL018 13+75W	DIRT	Niton	XL3t	9/13/2012	60	0		37.11	17.25	26.41	7.4	111	14.86	0		0		1385	116.66	2.98486	0.039218	0
GFL018 14+00W	DIRT	Niton	XL3t	9/13/2012	60	0		41.13	18.74	86.5	11.06	327	24.29	56.51	34.94	0		10992	312.69	3.378739	0.044075	0
GFL018 14+25W	DIRT	Niton	XL3t	9/13/2012	40	0		0		32.24	9.94	188	23.39	0		0		2672	197.7	2.864391	0.049408	0
GFL018 14+50E	DIRT	Niton	XL3t	9/13/2012	60	0		0		22.16	7.16	154	16.83	50.73	33.14	0		1729	127.07	2.461498	0.035693	11
GFL018 14+75W	DIRT	Niton	XL3t	9/13/2012	47	0		0		22.47	8.13	190	21.38	0		0		1434	136.17	2.502709	0.0416	0
GFL018 15+00W	DIRT	Niton	XL3t	9/13/2012	60	0		0		21.63	7.1	207	19.21	0		0		1646	125.13	2.531771	0.036426	9.58
GFL018 15+25E	DIRT	Niton	XL3t	9/17/2012	60	0		0		25.6	7.28	142	16.47	0		0		1291	112.48	2.209907	0.034098	0
GFL018 15+50E	DIRT	Niton	XL3t	9/17/2012	60	0		0		27.47	7.54	95	14.37	0		0		1157	108.01	2.120818	0.033525	0
GFL018 15+75E	DIRT	Niton	XL3t	9/17/2012	60	0		29.17	16.7	18.26	6.85	91	13.68	0		0		1867	129.13	1.693265	0.029518	0
GFL018 16+00E	DIRT	Niton	XL3t	9/17/2012	60	0		0		29.36	7.52	146	16.58	0		0		2080	137.48	2.29199	0.034527	0
GFL018 16+25E	DIRT	Niton	XL3t	9/13/2012	60	0		25.65	16.86	34.14	7.9	118	15.29	0		0		2536	150.53	2.156113	0.033652	0
GFL018 16+50E	DIRT	Niton	XL3t	9/13/2012	60	0		0		19.65	6.89	75	12.79	0		0		1050	102.06	1.915916	0.031413	0
GFL018 16+75E	DIRT	Niton	XL3t	9/13/2012	60	0		0		24.94	7.31	99	14.28	0		0		1235	109.96	2.034511	0.032534	0
GFL018 17+00E	DIRT	Niton	XL3t	9/13/2012	60	0		37.06	17.66	28.64	7.6	156	17.34	0		0		1609	125.17	2.555628	0.036822	9.56
GFL018 17+25E	DIRT	Niton	XL3t	9/13/2012	60	0		0		25.51	7.55	97	14.56	0		0		4447	200.46	2.243171	0.035463	0
GFL018 17+50E	DIRT	Niton	XL3t	9/13/2012	60	0		0		18.67	6.9	87	13.69	0		0		1416	117.85	2.036085	0.03301	0
GFL018 17+75E	DIRT	Niton	XL3t	9/13/2012	60	0		32.69	17.15	24.3	7.32	129	15.83	0		0		1036	102.9	2.479261	0.035863	0
GFL018 18+00E	DIRT	Niton	XL3t	9/13/2012	60	0		37.06	17.68	30.72	7.83	151	16.99	0		0		2212	144.13	2.854079	0.039067	0
GFL018 18+25E	DIRT	Niton	XL3t	9/13/2012	60	0		0		19.2	8.03	87	16.07	0		0		772	106.18	2.031217	0.037789	0
GFL018 18+50E	DIRT	Niton	XL3t	9/13/2012	60	0		0		23.87	7.2	117	15.07	0		0		1070	103.77	2.559606	0.036141	0
GFL018 18+75E	DIRT	Niton	XL3t	9/13/2012	60	0		0		13.45	6.57	115	15.08	0		0		1020	102.12	2.528746	0.036132	8.02
GFL018 19+00E	DIRT	Niton	XL3t	9/13/2012	60	0		0		16.4	6.83	96	14.28	0		0		1460	119.71	2.501539	0.036389	0
GFL018 19+25E	DIRT	Niton	XL3t	9/13/2012	60	0		0		26.08	7.47	89	13.75	0		0		1116	106.35	2.085001	0.033227	0
GFL018 19+50E	DIRT	Niton	XL3t	9/13/2012	60	0		0		27.7	7.39	94	13.86	0		0		983	100.67	2.48299	0.03565	0
GFL018 19+75E	DIRT	Niton	XL3t	9/13/2012	60	0		0		23.65	7.23	63	12.34	0		0		2215	141.39	2.23766	0.034214	0

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
GFL018 20+00E	DIRT	Niton	XL3t	9/13/2012	60	0		0		19.36	6.96	106	14.79	0		0		969	101.91	2.53605	0.0368	0
GFL018 20+25E	DIRT	Niton	XL3t	9/21/2012	60	0		0		18.82	6.98	96	14.21	0		0		819	95.33	2.637137	0.03711	0
GFL018 20+50E	DIRT	Niton	XL3t	9/21/2012	60	0		0		14.65	6.69	94	14.3	0		0		948	101.73	2.755303	0.038314	0
GFL018 20+75E	DIRT	Niton	XL3t	9/21/2012	60	0		0		17.61	6.85	104	14.66	0		0		1304	114.4	2.839609	0.038585	8.42
GFL018 21+00E	DIRT	Niton	XL3t	9/21/2012	60	0		0		22.89	7.23	107	14.82	0		0		1550	123.86	2.78018	0.038467	0
GFL018 21+25E	DIRT	Niton	XL3t	9/21/2012	60	0		0		24.88	7.34	121	15.55	51	33.56	0		2108	140.7	2.836556	0.038789	0
GFL018 21+50E	DIRT	Niton	XL3t	9/21/2012	60	0		0		25.42	7.28	95	13.92	0		0		1318	113.01	2.639674	0.036697	9.48
GFL018 21+75E	DIRT	Niton	XL3t	9/21/2012	60	0		26.1	17	22.27	7.06	104	14.67	0		0		1086	106.44	2.621094	0.03718	0
GFL018 22+00E	DIRT	Niton	XL3t	9/21/2012	60	0		0		33.3	7.85	113	15.01	0		0		1387	117.05	2.772596	0.038016	0
GFL018 22+25E	DIRT	Niton	XL3t	9/21/2012	60	0		0		24.51	7.32	98	14.32	0		0		1065	104.74	2.697578	0.03747	0
GFL018 22+50E	DIRT	Niton	XL3t	9/21/2012	60	0		32.75	17.73	36.78	8.27	117	15.66	0		0		1428	121.05	3.271182	0.041989	0
GFL018 22+75E	DIRT	Niton	XL3t	9/21/2012	60	0		30.63	16.75	29.03	7.54	100	14.24	0		0		1095	105.21	2.765081	0.037558	0
GFL018 23+00E	DIRT	Niton	XL3t	9/21/2012	60	0		0		22.62	7.02	90	13.61	0		0		930	97.85	2.57518	0.036089	0
GFL018 23+25E	DIRT	Niton	XL3t	9/21/2012	60	0		0		22.23	7.03	75	12.84	0		0		906	97.16	2.596206	0.036224	9.01
GFL018 23+50E	DIRT	Niton	XL3t	9/21/2012	60	0		0		21.86	6.94	101	14.02	0		0		959	98.35	2.583415	0.035873	0
GFL018 23+75E	DIRT	Niton	XL3t	9/21/2012	60	0		0		29.47	7.62	128	15.57	0		0		1032	103.68	3.205802	0.040467	0
GFL018 24+00E	DIRT	Niton	XL3t	9/21/2012	60	0		0		32.05	7.84	79	13.39	0		0		1184	111	2.979375	0.039777	0
GFL018 24+25E	DIRT	Niton	XL3t	9/19/2012	60	0		34.48	18.04	22.99	7.32	120	15.92	0		0		2760	163.63	3.877644	0.046213	0
GFL018 24+50E	DIRT	Niton	XL3t	9/19/2012	60	0		81.92	21.19	22.61	7.52	110	15.8	0		228.19	130.17	1205	119.05	4.291434	0.049575	0
GFL018 24+75E	DIRT	Niton	XL3t	9/19/2012	60	0		28.45	17.39	26.79	7.53	80	13.44	0		0		1187	111.74	3.021465	0.040261	0
GFL018 25+00E	DIRT	Niton	XL3t	9/19/2012	60	0		0		24.27	7.33	135	16.23	0		0		1085	107.34	3.033559	0.0401	0
GFL018 25+25E	DIRT	Niton	XL3t	9/19/2012	60	0		26.59	16.99	23.77	7.34	130	15.94	0		0		1210	111.09	2.71576	0.037838	0
GFL018 25+50E	DIRT	Niton	XL3t	9/19/2012	60	0		0		32.93	7.95	102	14.61	0		0		1476	120.25	2.53762	0.0366	0
GFL018 25+75E	DIRT	Niton	XL3t	9/19/2012	60	0		0		25.24	7.26	85	13.46	0		0		738	89.96	2.272734	0.034278	0
GFL018 26+00E	DIRT	Niton	XL3t	9/19/2012	60	0		30.64	17.29	19.75	7.02	128	15.8	59	33.86	0		1119	107.98	2.814924	0.038459	0
GFL018 26+25E	DIRT	Niton	XL3t	9/19/2012	60	0		0		22.17	7.12	70	12.54	0		0		681	89.03	2.769827	0.037708	0
GFL018 26+50E	DIRT	Niton	XL3t	9/19/2012	60	0		42.3	17.78	22.33	7.08	84	13.63	0		0		1571	123.12	2.883242	0.038784	0
GFL018 26+75E	DIRT	Niton	XL3t	9/19/2012	60	0		31.29	16.58	17.14	6.6	86	13.25	0		0		527	80.08	2.686254	0.036659	0
GFL018 27+00E	DIRT	Niton	XL3t	9/19/2012	60	0		35.91	17.07	23.89	7.15	88	13.59	0		0		773	91.49	2.597051	0.036297	0
GFL018 27+25E	DIRT	Niton	XL3t	9/19/2012	60	0		0		24.58	7.13	70	12.41	0		0		810	92.14	2.466987	0.035123	0
GFL018 27+50E	DIRT	Niton	XL3t	9/19/2012	60	0		0		16.8	6.72	85	13.45	0		0		652	87.32	2.730111	0.037565	0
GFL018 27+75E	DIRT	Niton	XL3t	9/19/2012	60	0		0		30.82	7.39	98	13.7	0		0		871	92.78	2.028483	0.03152	0
GFL018 28+00E	DIRT	Niton	XL3t	9/19/2012	60	0		25.05	16.31	20.51	6.85	70	12.43	0		0		393	71.77	2.128186	0.032739	0
GFL018 28+25E	DIRT	Niton	XL3t	9/19/2012	60	0		36.09	16.83	21.8	6.99	85	13.23	0		0		700	87.27	2.354601	0.034299	0
GFL018 28+50E	DIRT	Niton	XL3t	9/19/2012	60	0		31.2	17.45	25.96	7.45	106	15	0		0		794	95.69	2.941786	0.039529	0
GFL018 28+75E	DIRT	Niton	XL3t	9/19/2012	60	0		0		26.58	7.46	53	11.73	0		0		240	63.71	1.973934	0.032156	0
GFL018 29+00E	DIRT	Niton	XL3t	9/19/2012	60	0		28.9	17.05	26.99	7.47	104	14.52	0		0		2520	151.23	2.71153	0.037747	0
GFL018 29+25E	DIRT	Niton	XL3t	9/19/2012	60	0		0		24.34	7.34	62	12.33	0		0		453	78.83	2.851664	0.038707	0
GFL018 29+50E	DIRT	Niton	XL3t	9/19/2012	60	0		0		19.29	6.9	76	13.05	0		0		624	84.99	2.422343	0.035363	0
GFL018 29+75E	DIRT	Niton	XL3t	9/19/2012	60	0		0		34.79	7.92	86	13.38	0		0		645	86.52	2.635054	0.03662	0
GFL018 30+00E	DIRT	Niton	XL3t	9/19/2012	60	0		0		26.61	7.4	87	13.48	0		0		719	89.2	2.546321	0.035877	0
GFL018 30+25E	DIRT	Niton	XL3t	9/19/2012	60	0		0		20.41	6.84	87	13.12	0		0		954	97.99	2.556011	0.035569	0
GFL018 30+50E	DIRT	Niton	XL3t	9/19/2012	60	0		0		21.82	7.04	99	13.96	0		0		1306	111.45	2.439954	0.035025	9.31
GFL018 30+75E	DIRT	Niton	XL3t	9/19/2012	60	0		31.66	16.43	20.81	6.9	94	13.62	0		0		776	90.42	2.5931	0.035766	9.53
GFL018 31+00E	DIRT	Niton	XL3t	9/19/2012	60	0		37.83	17.09	23.31	7.06	107	14.46	0		0		1027	102.08	2.723132	0.037003	0

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
GFL018 31+25E	DIRT	Niton	XL3t	9/20/2012	60	0		0		21.82	7.12	91	13.81	0		0		399	74.82	2.698911	0.037152	0
GFL018 31+50E	DIRT	Niton	XL3t	9/20/2012	60	0		0		24.57	7.2	86	13.71	0		0		908	97.72	2.350169	0.03491	0
GFL018 31+75E	DIRT	Niton	XL3t	9/20/2012	60	0		0		18.86	6.98	87	13.9	0		0		498	81.33	2.876334	0.038976	0
GFL018 32+00E	DIRT	Niton	XL3t	9/20/2012	60	0		0		17.04	6.71	69	12.2	0		0		423	73.59	1.992314	0.031709	0
GFL018 32+25E	DIRT	Niton	XL3t	9/20/2012	60	0		0		20.98	6.87	99	13.95	0		0		1386	112.84	2.315775	0.03384	0
GFL018 32+50E	DIRT	Niton	XL3t	9/20/2012	60	0		0		16.96	6.54	90	13.36	0		0		1043	100.72	2.387168	0.034245	0
GFL018 32+75E	DIRT	Niton	XL3t	9/20/2012	60	0		0		23.33	7.17	138	15.95	0		0		1795	128.66	2.734635	0.037394	0
GFL018 33+00E	DIRT	Niton	XL3t	9/20/2012	60	0		0		33.49	7.75	102	14.17	0		0		1856	130.05	2.614496	0.036548	0
GFL018 33+25E	DIRT	Niton	XL3t	9/20/2012	60	0		0		25.51	7.26	81	12.91	51.71	31.97	0		1270	109.7	2.390974	0.034482	0
GFL018 33+50E	DIRT	Niton	XL3t	9/20/2012	60	0		0		30.19	7.58	89	13.71	0		0		1221	109.41	2.576384	0.03625	0
GFL018 33+75E	DIRT	Niton	XL3t	9/20/2012	60	0		40.06	17.9	33.23	7.95	126	15.97	0		0		1243	113.39	2.832236	0.038815	0
GFL018 34+00E	DIRT	Niton	XL3t	9/21/2012	60	0		26.14	16.51	36.87	7.98	130	15.6	0		0		1912	132.56	2.778207	0.037704	0
GFL018 34+25E	DIRT	Niton	XL3t	9/20/2012	60	0		0		37.79	8.15	109	14.81	0		173	100.18	1218	110.97	2.764811	0.037943	0
GFL018 34+50E	DIRT	Niton	XL3t	9/20/2012	60	0		29.85	16.88	49.02	8.72	107	14.6	50.77	32.99	0		1897	132.31	2.731073	0.03746	0
GFL018 34+75E	DIRT	Niton	XL3t	9/20/2012	60	0		42.2	17.47	23.2	7.18	98	14.1	0		0		773	92.26	2.657068	0.036785	0
GFL018 35+00E	DIRT	Niton	XL3t	9/20/2012	60	0		0		23.67	7.12	115	14.94	0		0		2487	148.02	2.540158	0.036097	15.52
GFL018 35+25E	DIRT	Niton	XL3t	9/23/2012	60	0		0		34.02	7.75	106	14.44	0		0		1336	113.19	2.680651	0.03676	0
GFL018 35+50E	DIRT	Niton	XL3t	9/23/2012	60	0		47.72	17.98	55.6	9.08	145	16.5	0		0		2929	160.85	2.684634	0.03741	0
GFL018 35+75E	DIRT	Niton	XL3t	9/23/2012	60	0		26.73	17.31	33.34	8.07	187	18.74	0		0		2390	150.39	3.130992	0.041122	0
GFL018 36+00E	DIRT	Niton	XL3t	9/23/2012	60	0		0		34.23	8.08	154	17.18	0		0		1658	128.3	3.088663	0.040696	0
GFL018 36+25E	DIRT	Niton	XL3t	9/23/2012	60	0		0		38.99	8.27	180	18.16	50	33.55	0		1562	124.39	3.067513	0.040285	14.84
GFL018 36+50E	DIRT	Niton	XL3t	9/23/2012	60	0		0		22.63	7.13	162	17.13	0		0		2264	141.93	2.258409	0.03412	8.6
GFL018 36+75E	DIRT	Niton	XL3t	9/23/2012	60	0		0		28.34	7.6	186	18.59	0		0		2184	143.34	2.734294	0.038256	0
GFL018 37+00E	DIRT	Niton	XL3t	9/23/2012	60	0		42.37	17.76	42.33	8.39	116	15.2	0		0		1229	111.33	2.958868	0.039193	0
GFL018 37+25E	DIRT	Niton	XL3t	9/23/2012	60	0		26.54	16.51	34.19	7.87	98	14.07	0		0		1158	105.91	2.176495	0.033298	0
GFL018 37+50E	DIRT	Niton	XL3t	9/23/2012	60	0		25.99	16.86	24	7.25	222	19.76	0		0		1594	123.22	2.284507	0.034556	9.52
GFL018 37+75E	DIRT	Niton	XL3t	9/23/2012	60	0		70.37	19.59	30.07	7.74	159	17.41	0		0		3420	175.56	2.863353	0.039283	0
GFL018 38+00E	DIRT	Niton	XL3t	9/23/2012	60	0		42.71	17.79	18.22	6.83	110	14.94	0		0		2804	157.95	2.480149	0.036099	0
GFL018 38+25E	DIRT	Niton	XL3t	9/23/2012	60	0		0		24.76	7.39	159	17.32	0		0		5547	218.5	2.755643	0.038469	0
GFL018 38+50E	DIRT	Niton	XL3t	9/23/2012	60	0		0		28.24	7.42	113	14.89	0		0		2287	143.2	2.840753	0.038157	0
GFL018 38+75E	DIRT	Niton	XL3t	9/23/2012	60	0		0		17.09	6.79	112	14.86	0		0		2009	137.32	3.057956	0.039961	9.63
GFL018 39+00E	DIRT	Niton	XL3t	9/23/2012	53	0		0		19.02	7.42	120	16.38	0		0		2001	146.49	3.202767	0.043689	0
GFL019 00+00	ROCK	Niton	XL3t	9/25/2012	60	0		58.11	18.93	13.01	6.57	92	14.18	0		0		1090	107.81	2.801249	0.038656	12.93
GFL019 00+25E	ROCK	Niton	XL3t	9/25/2012	60	0		0		18.29	6.95	87	13.67	0		155.77	96.74	856	96.69	2.559425	0.036635	9.26
GFL019 00+50E	ROCK	Niton	XL3t	9/25/2012	60	0		0		12.93	6.42	94	14.13	0		0		338	69.44	2.074294	0.032768	0
GFL019 00+75E	ROCK	Niton	XL3t	9/25/2012	60	0		0		15.9	6.64	77	12.69	0		0		366	70.03	1.925627	0.031235	0
GFL019 01+00E	ROCK	Niton	XL3t	9/25/2012	60	0		0		12.72	6.29	88	13.25	0		0		366	70.36	2.115985	0.03252	0
GFL019 01+25E	ROCK	Niton	XL3t	9/25/2012	60	0		29.3	17.44	19.18	7.02	132	16.21	0		0		769	95.08	2.755691	0.038489	12.44
GFL019 01+50E	ROCK	Niton	XL3t	9/25/2012	60	0		0		15.99	6.67	99	14.41	0		0		981	101.09	2.439042	0.03561	0
GFL019 01+75E	ROCK	Niton	XL3t	9/25/2012	60	0		36.23	17.95	24.26	7.49	104	14.82	0		0		599	89.25	3.499289	0.043465	11.07
GFL019 02+00E	ROCK	Niton	XL3t	9/25/2012	60	0		0		11.98	6.17	39	10.11	0		0		224	57.8	1.153497	0.02378	0
GFL019 02+25E	ROCK	Niton	XL3t	9/25/2012	60	0		0		21.79	7.02	62	11.98	0		0		301	66.27	2.087855	0.032495	0
GFL019 02+50E	ROCK	Niton	XL3t	9/25/2012	60	0		0		24.27	7.15	95	13.83	0		0		510	77.26	1.767836	0.029903	0
GFL019 02+75E	ROCK	Niton	XL3t	9/25/2012	60	0		0		9.74	6.03	51	11.07	0		0		210	58.63	1.525657	0.027483	0
GFL019 03+00E	ROCK	Niton	XL3t	9/25/2012	60	0		0		15.9	6.6	65	12.46	53	32.96	0		215	62.1	2.045466	0.032299	0

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
GFL019 03+25E	ROCK	Niton	XL3t	9/25/2012	60	0		0		26.08	7.49	92	14.08	0		0		318	72.34	2.826637	0.038732	0
GFL019 03+50E	ROCK	Niton	XL3t	9/25/2012	60	0		32.83	19.05	16.09	7	103	15.55	66	39.13	0		526	92.69	4.497539	0.051415	10.92
GFL019 03+75E	ROCK	Niton	XL3t	9/25/2012	60	0		24.4	15.92	13.23	6.23	58	11.46	0		0		460	73.23	1.609217	0.028113	0
GFL019 04+00E	ROCK	Niton	XL3t	9/25/2012	60	0		0		16.3	6.7	130	15.82	0		0		1710	127.61	2.4642	0.036005	0
GFL019 04+25E	ROCK	Niton	XL3t	9/25/2012	60	0		25.42	16.36	19.1	6.87	104	14.39	0		129.7	85.11	470	76.04	2.029554	0.032117	0
GFL019 04+50E	ROCK	Niton	XL3t	9/25/2012	60	0		0		10.51	5.97	56	11.11	0		0		204	55.1	1.055079	0.022493	0
GFL019 04+75E	ROCK	Niton	XL3t	9/25/2012	60	0		0		22.99	7.11	77	12.81	0		0		232	61.34	1.666596	0.028868	0
GFL019 05+00E	ROCK	Niton	XL3t	9/25/2012	60	0		0		19.97	6.89	92	13.75	0		0		530	79.32	1.91342	0.031098	0
GFL019 05+25E	ROCK	Niton	XL3t	9/25/2012	60	0		0		23.24	7.32	100	14.47	0		0		587	85.27	2.717428	0.037803	0
GFL019 05+50E	ROCK	Niton	XL3t	9/25/2012	60	0		0		20.63	6.9	77	12.98	0		0		590	81.4	1.765476	0.030029	0
GFL019 05+75E	ROCK	Niton	XL3t	9/25/2012	60	0		0		22.36	7.03	86	13.32	0		0		323	66.97	1.945872	0.031094	0
GFL019 06+00E	ROCK	Niton	XL3t	9/25/2012	60	0		0		17.5	6.86	77	12.96	0		0		514	80.12	2.368398	0.035045	0
GFL019 06+25E	DIRT	Niton	XL3t	9/22/2012	60	0		0		16.5	6.56	88	13.51	0		0		483	76.61	2.078865	0.032245	0
GFL019 06+50E	DIRT	Niton	XL3t	9/22/2012	60	0		32.15	17.81	29.31	7.86	62	12.54	0		0		819	97.42	2.610156	0.037716	0
GFL019 06+75E	DIRT	Niton	XL3t	9/22/2012	60	0		34	17.85	48.42	8.97	78	13.52	0		0		470	81.98	3.266275	0.04196	0
GFL019 07+00E	DIRT	Niton	XL3t	9/22/2012	60	0		46.84	17.64	41.21	8.3	64	12.21	0		0		555	83.12	2.881069	0.038259	0
GFL019 07+25E	DIRT	Niton	XL3t	9/22/2012	60	0		0		30.35	7.64	69	12.63	0		0		1727	127.21	2.518765	0.036159	0
GFL019 07+50E	DIRT	Niton	XL3t	9/22/2012	60	0		0		28.52	7.63	135	16.07	0		0		1001	103.04	3.256741	0.040986	9.43
GFL019 07+75E	DIRT	Niton	XL3t	9/22/2012	60	0		26.93	17.26	25.97	7.52	115	15.49	0		0		604	87.98	3.17738	0.041167	0
GFL019 08+00E	DIRT	Niton	XL3t	9/22/2012	60	0		40.68	17.74	26.37	7.47	76	13.21	0		0		1201	110.92	2.852139	0.03865	0
GFL019 08+25E	DIRT	Niton	XL3t	9/22/2012	60	0		0		18.46	6.82	118	15.35	0		0		581	85.9	2.858724	0.038946	9.74
GFL019 08+50E	DIRT	Niton	XL3t	9/22/2012	60	0		28.68	18.65	29.68	8.19	99	15.31	0		0		387	81.78	3.700582	0.046379	10.71
GFL019 08+75E	DIRT	Niton	XL3t	9/22/2012	60	0		0		10.88	6.07	128	15.38	0		0		1341	110.72	1.770685	0.02974	8.65
GFL019 09+00E	DIRT	Niton	XL3t	9/22/2012	60	0		0		15.65	6.56	108	14.53	0		0		528	79.73	2.347771	0.034416	0
GFL019 09+25E	DIRT	Niton	XL3t	9/22/2012	60	0		0		14.74	6.7	65	12.27	0		0		296	67.05	1.664974	0.029833	0
GFL019 09+50E	DIRT	Niton	XL3t	9/22/2012	60	0		24.82	15.89	14.65	6.3	63	11.69	0		0		156	55	1.612361	0.028037	0
GFL019 09+75E	DIRT	Niton	XL3t	9/22/2012	60	0		45.89	18.42	32.02	7.95	108	15.15	0		0		622	89.15	2.877825	0.039495	0
GFL019 10+00E	DIRT	Niton	XL3t	9/22/2012	60	0		61.27	20.07	41.73	8.88	155	17.99	0		0		744	98.94	3.924877	0.047196	10.8
GFL019 10+25E	DIRT	Niton	XL3t	9/22/2012	60	0		0		20.02	7.16	103	14.74	0		0		471	78.77	2.247385	0.034738	0
GFL019 10+50E	DIRT	Niton	XL3t	9/22/2012	60	0		0		26.71	7.35	110	14.73	0		0		678	87.58	2.490972	0.035642	0
GFL019 10+75E	DIRT	Niton	XL3t	9/22/2012	60	0		32.51	17.15	14.52	6.59	146	16.56	0		0		427	75.67	2.508638	0.036028	0
GFL019 11+00E	DIRT	Niton	XL3t	9/22/2012	60	0		0		17.76	6.76	173	17.75	0		0		858	96.32	2.471526	0.035908	0
GFL019 11+25E	DIRT	Niton	XL3t	9/22/2012	60	0		0		25.31	7.3	103	14.28	0		0		697	87.66	2.247348	0.03381	0
GFL019 11+50E	DIRT	Niton	XL3t	9/22/2012	60	0		0		16.82	6.91	119	15.69	0		0		691	91.27	2.694751	0.038215	10.26
GFL019 11+75E	DIRT	Niton	XL3t	9/22/2012	60	0		0		18.03	6.72	119	15.1	0		0		403	73.28	2.222557	0.033564	0
GFL019 12+00E	DIRT	Niton	XL3t	9/22/2012	60	0		31.41	16.86	20.1	6.93	157	16.97	0		0		1981	134	2.121642	0.033135	0
GFL019 12+25E	DIRT	Niton	XL3t	9/24/2012	60	0		0		21.5	7.17	143	16.64	0		0		617	87.42	2.769056	0.038364	0
GFL019 12+50E	DIRT	Niton	XL3t	9/24/2012	60	0		29.31	17.21	23.18	7.29	121	15.46	0		0		521	81.69	2.646167	0.037287	0
GFL019 12+75E	DIRT	Niton	XL3t	9/24/2012	60	0		35.21	17.65	16.79	6.86	144	16.86	0		0		668	89.19	2.781362	0.038379	8.62
GFL019 13+00E	DIRT	Niton	XL3t	9/24/2012	60	0		0		21.48	7.19	116	15.25	0		0		569	82.73	2.091497	0.033168	0
GFL019 13+25E	DIRT	Niton	XL3t	9/24/2012	60	0		0		22.96	7.2	198	18.73	0		0		1191	108.83	2.319118	0.034671	0
GFL019 13+50E	DIRT	Niton	XL3t	9/24/2012	60	0		0		17.03	6.78	158	17.28	0		0		821	95.06	2.567702	0.036568	0
GFL019 13+75E	ROCK	Niton	XL3t	9/25/2012	60	0		29.91	17.18	22.28	7.15	195	18.8	0		0		659	88.46	2.756371	0.037969	0
GFL019 14+00E	ROCK	Niton	XL3t	9/25/2012	60	0		0		25.99	7.49	123	15.69	0		0		319	74.29	3.467984	0.042966	0
GFL019 14+25E	ROCK	Niton	XL3t	9/25/2012	60	0		0		14.17	6.5	105	14.34	0		0		288	66.13	2.226191	0.033434	0

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
GFL019 14+50E	ROCK	Niton	XL3t	9/25/2012	60	0		0		22.4	7.16	156	17.11	0		0		1230	111.18	2.449045	0.035836	0
GFL019 14+75E	ROCK	Niton	XL3t	9/25/2012	60	0		0		17.53	7.1	129	16.48	0		0		979	105.37	2.622799	0.03844	0
GFL019 15+00E	ROCK	Niton	XL3t	9/25/2012	60	0		42.48	17.41	19.14	6.84	79	13.1	0		0		873	95.99	2.368132	0.034797	0
GFL019 15+25E	ROCK	Niton	XL3t	9/25/2012	60	0		54.19	18.8	23.32	7.35	66	12.79	0		0		393	77.55	3.306189	0.042026	10.87
GFL019 15+50E	ROCK	Niton	XL3t	9/25/2012	60	0		0		16.69	6.63	47	11.1	0		0		284	66.75	2.278678	0.034015	0
GFL019 15+75E	ROCK	Niton	XL3t	9/25/2012	60	0		28.59	16.92	17.82	6.84	63	12.21	0		0		343	72.32	2.618788	0.036932	0
GFL019 16+00E	ROCK	Niton	XL3t	9/25/2012	60	0		0		24.23	7.53	58	12.37	0		0		416	78.78	2.841768	0.039567	0
GFL019 16+25E	ROCK	Niton	XL3t	9/25/2012	60	0		0		22.19	7.19	72	12.91	0		0		523	82.04	2.720143	0.037676	0
GFL019 16+50E	ROCK	Niton	XL3t	9/25/2012	60	0		0		27.71	7.7	93	14.21	0		0		702	92.33	2.869252	0.039121	0
GFL019 16+75E	ROCK	Niton	XL3t	9/25/2012	60	0		35.22	17.72	22.92	7.36	111	15.09	0		0		622	88.32	2.879179	0.039128	10.54
GFL019 17+00E	ROCK	Niton	XL3t	9/25/2012	60	0		0		20.26	7.11	83	13.48	0		0		623	86.59	2.52146	0.036422	8.87
GFL019 17+25E	ROCK	Niton	XL3t	9/25/2012	60	0		0		18.97	6.85	54	11.57	0		0		453	76.2	1.962325	0.031923	0
GFL019 17+50E	ROCK	Niton	XL3t	9/25/2012	60	0		35.79	17.08	13.99	6.53	102	14.33	0		145.26	92.35	599	83.7	2.390177	0.034943	0
GFL019 17+75E	ROCK	Niton	XL3t	9/25/2012	60	0		0		26.23	7.38	112	14.93	0		0		884	97	2.587754	0.036537	0
GFL019 18+00E	ROCK	Niton	XL3t	9/25/2012	60	0		0		19.92	6.94	128	15.68	0		0		343	72.13	2.687066	0.037234	0
GFL019 18+25E	DIRT	Niton	XL3t	9/24/2012	60	0		0		18.09	6.82	99	14.16	0		0		294	68.2	2.494206	0.035751	0
GFL019 18+50E	DIRT	Niton	XL3t	9/24/2012	60	0		31.01	17.23	20.2	7.1	79	13.11	56.6	33.84	0		350	72.39	2.577225	0.036669	0
GFL019 18+75E	DIRT	Niton	XL3t	9/24/2012	60	0		0		20.98	6.99	104	14.42	0		0		641	86.73	2.58592	0.03642	9.24
GFL019 19+00E	DIRT	Niton	XL3t	9/24/2012	60	0		34.49	17.5	27.83	7.58	122	15.54	0		0		872	98.78	2.821196	0.038582	0
GFL019 19+25E	DIRT	Niton	XL3t	9/24/2012	60	0		37.97	17.38	21.33	7.09	96	14.17	0		0		521	81.35	2.614728	0.036734	0
GFL019 19+50E	DIRT	Niton	XL3t	9/24/2012	60	0		0		31.21	7.93	78	13.53	0		0		1002	105.45	3.011049	0.040379	0
GFL019 19+75E	DIRT	Niton	XL3t	9/24/2012	60	0		0		20.03	6.98	123	15.63	0		0		1549	123.58	2.866708	0.038878	0
GFL019 20+00E	DIRT	Niton	XL3t	9/24/2012	60	0		0		24.7	7.24	100	14.24	0		0		1642	124.87	2.725075	0.037642	0
GFL019 20+25E	DIRT	Niton	XL3t	9/24/2012	60	0		28.88	16.8	21.01	7.04	91	13.7	0		0		700	88.81	2.414013	0.035239	0
GFL019 20+50E	DIRT	Niton	XL3t	9/24/2012	60	0		33.75	17.35	31.76	7.81	109	14.9	0		0		1592	123.96	2.686462	0.037478	0
GFL019 20+75E	DIRT	Niton	XL3t	9/24/2012	60	0		0		23.95	7.2	98	14.28	0		0		719	89.98	2.571117	0.036443	0
GFL019 21+00E	DIRT	Niton	XL3t	9/24/2012	60	0		0		23.03	7.19	128	15.73	0		0		863	97.69	2.793936	0.038302	0
GFL019 21+25E	DIRT	Niton	XL3t	9/24/2012	60	0		0		20.57	7.14	110	15.18	0		0		642	89.69	3.075591	0.040613	0
GFL019 21+50E	DIRT	Niton	XL3t	9/24/2012	60	0		0		32.05	7.8	179	18.06	0		0		2469	150.15	3.038678	0.039783	11.6
GFL019 21+75E	DIRT	Niton	XL3t	9/24/2012	60	0		35.13	17.16	36.52	8.04	156	16.95	0		0		1688	127.02	3.173085	0.04045	0
GFL019 22+00E	DIRT	Niton	XL3t	9/24/2012	60	0		31.45	17.54	17.11	6.98	89	14.11	0		0		459	80.81	3.120757	0.040948	0
GFL019 22+25E	DIRT	Niton	XL3t	9/24/2012	60	0		27.09	17.19	18.22	7.03	108	15.01	0		0		1057	107.59	3.210254	0.041481	9.05
GFL019 22+50E	DIRT	Niton	XL3t	9/24/2012	60	0		0		36.37	8.03	118	15.29	0		0		1990	136.27	2.843146	0.038516	0
GFL019 22+75E	DIRT	Niton	XL3t	9/24/2012	60	0		28.87	17.29	24.36	7.42	88	13.93	0		0		430	79.88	3.121739	0.040927	0
GFL019 23+00E	DIRT	Niton	XL3t	9/24/2012	60	0		29.05	17.49	33.28	8.08	118	15.65	0		0		1507	124.01	3.233163	0.04181	0
GFL019 23+25E	DIRT	Niton	XL3t	9/21/2012	60	0		0		19.36	7.08	115	15.06	0		0		1493	121.52	2.770203	0.03835	0
GFL019 23+50E	DIRT	Niton	XL3t	9/21/2012	60	0		35.6	17.63	20.62	7.15	112	15.08	0		0		1685	128.63	2.839602	0.038905	0
GFL019 23+75E	DIRT	Niton	XL3t	9/21/2012	60	0		0		16.39	6.89	131	16.06	0		0		1670	127.15	2.702512	0.037825	0
GFL019 24+00E	DIRT	Niton	XL3t	9/21/2012	60	0		27.18	16.73	18.82	6.85	108	14.65	0		0		2042	136.82	2.577486	0.036544	0
GFL019 24+25E	DIRT	Niton	XL3t	9/21/2012	60	0		0		21.93	7.17	128	15.89	0		0		1934	135.05	2.823283	0.038582	0
GFL019 24+50E	DIRT	Niton	XL3t	9/21/2012	60	0		26.76	16.56	14.58	6.53	126	15.53	0		0		1747	126.98	2.676838	0.036926	12.04
GFL019 24+75E	DIRT	Niton	XL3t	9/21/2012	60	0		0		22.36	7.17	83	13.44	0		0		764	92.98	2.787447	0.038003	0
GFL019 25+00E	DIRT	Niton	XL3t	9/21/2012	60	0		32.3	16.95	16.92	6.69	70	12.67	0		0		601	84.39	2.641687	0.036753	0
GFL019 25+25E	DIRT	Niton	XL3t	9/21/2012	60	0		28.87	16.89	17.95	6.92	107	14.63	0		0		980	102.12	2.838525	0.038413	0
GFL019 25+50E	DIRT	Niton	XL3t	9/21/2012	60	0		0		18.78	6.72	96	13.72	0		0		402	72.17	2.168307	0.032798	0

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
GFL019 25+75E	DIRT	Niton	XL3t	9/21/2012	60	0		0		0		101	14.28	0		0		1192	108.21	2.178486	0.033531	8.5
GFL019 26+00E	DIRT	Niton	XL3t	9/21/2012	60	0		0		17.52	6.63	86	13.28	0		0		963	97.55	2.049998	0.032063	0
GFL019 26+25E	DIRT	Niton	XL3t	9/21/2012	60	0		0		19.02	6.95	102	14.29	0		0		1661	125.13	2.459417	0.035731	0
GFL019 26+50E	DIRT	Niton	XL3t	9/21/2012	60	0		26.56	16.48	34.18	7.83	117	15.07	0		0		1609	122.48	2.812237	0.037712	0
GFL019 26+75E	DIRT	Niton	XL3t	9/21/2012	60	0		0		26.79	7.37	105	14.37	0		0		1345	113.34	2.580455	0.036141	0
GFL019 27+00E	DIRT	Niton	XL3t	9/21/2012	60	0		0		18.89	6.84	66	12.15	0		0		364	71.71	2.582556	0.036037	9.19
GFL019 27+25E	DIRT	Niton	XL3t	9/24/2012	60	0		0		19.5	6.91	91	13.92	0		0		646	86.76	2.493499	0.035946	0
GFL019 27+50E	DIRT	Niton	XL3t	9/24/2012	60	0		0		13.2	6.48	118	15.15	0		0		1204	108.01	2.33165	0.03444	0
GFL019 27+75E	DIRT	Niton	XL3t	9/24/2012	60	0		36.31	16.91	30.1	7.51	141	16.02	0		0		1615	121.76	2.556681	0.035799	0
GFL019 28+00E	DIRT	Niton	XL3t	9/24/2012	60	0		34.22	16.86	24.65	7.25	115	14.87	0		0		1166	107.31	2.448389	0.035269	0
GFL019 28+25E	DIRT	Niton	XL3t	9/24/2012	60	0		0		19.83	6.95	112	14.74	0		0		1147	106.39	2.403945	0.034933	0
GFL019 28+50E	DIRT	Niton	XL3t	9/24/2012	60	0		0		26.28	7.37	102	14.19	0		0		919	96.66	2.324637	0.034203	0
GFL019 28+75E	DIRT	Niton	XL3t	9/24/2012	60	0		30.03	16.44	35.01	7.78	110	14.42	0		0		1750	124.92	2.107449	0.032514	0
GFL019 29+00E	DIRT	Niton	XL3t	9/24/2012	60	0		0		28.07	7.34	86	13.15	0		0		582	80.61	2.057245	0.031924	0
GFL019 29+25E	DIRT	Niton	XL3t	9/24/2012	60	0		0		26.98	7.47	108	14.68	0		0		1535	121.01	2.528607	0.036218	0
GFL019 29+50E	DIRT	Niton	XL3t	9/24/2012	60	0		0		18.46	6.91	94	13.93	0		0		1206	109.17	2.271393	0.034264	12.04
GFL019 29+75E	DIRT	Niton	XL3t	9/24/2012	60	0		0		24.6	7.28	115	15.13	0		0		1167	107.5	2.144731	0.03344	0
GFL019 30+00E	DIRT	Niton	XL3t	9/24/2012	60	0		0		16.03	6.73	83	13.34	0		0		436	75.04	2.117765	0.032935	11.5
GFL019 30+25E	DIRT	Niton	XL3t	9/24/2012	60	0		41.17	17.43	24.68	7.22	100	14.21	0		0		581	82.96	2.459054	0.035493	9.07
GFL019 30+50E	DIRT	Niton	XL3t	9/24/2012	60	0		55.84	19	52.8	9.19	129	16.17	0		0		2105	142.66	3.154338	0.041271	14.57
GFL019 30+75E	DIRT	Niton	XL3t	9/24/2012	60	0		30.54	17.01	34.96	8.06	99	14.28	0		0		1725	127.52	2.451666	0.035784	11.67
GFL019 31+00E	DIRT	Niton	XL3t	9/26/2012	60	0		0		18.89	6.86	148	16.6	0		0		1027	102.21	2.417543	0.035179	18.03
GFL019 31+25E	DIRT	Niton	XL3t	9/26/2012	60	0		28.63	16.91	25.24	7.35	214	19.37	0		0		1789	129.09	2.310657	0.034679	9.39
GFL019 31+50E	DIRT	Niton	XL3t	9/26/2012	60	0		30	17.34	22.55	7.35	138	16.44	0		0		549	86.39	3.246989	0.04168	22.77
GFL019 31+75E	DIRT	Niton	XL3t	9/26/2012	60	0		34.66	17.6	26.23	7.46	154	16.99	62.83	34.31	0		1329	115.48	2.555538	0.036757	0
GFL019 32+00E	DIRT	Niton	XL3t	9/26/2012	60	0		28.03	17.05	28.78	7.57	150	16.81	0		0		1964	136.33	2.765314	0.038171	0
GFL019 32+25E	DIRT	Niton	XL3t	9/26/2012	60	0		28.24	16.77	27.29	7.48	129	15.79	0		0		1110	104.71	2.064324	0.032618	0
GFL019 32+50E	DIRT	Niton	XL3t	9/26/2012	60	0		0		31.03	7.71	104	14.36	0		0		1416	115.38	2.08847	0.03274	0
GFL019 32+75E	DIRT	Niton	XL3t	9/26/2012	60	0		0		25.74	7.36	134	16.08	0		0		1337	114.67	2.471332	0.035955	0
GFL019 33+00E	DIRT	Niton	XL3t	9/26/2012	60	0		0		20.71	6.97	114	15.01	0		0		1094	105.02	2.457684	0.035598	0
GFL019 33+25E	DIRT	Niton	XL3t	9/26/2012	60	0		0		16.4	6.55	152	16.57	0		0		1622	121.4	2.106187	0.03266	0
GFL019 33+50E	DIRT	Niton	XL3t	9/26/2012	60	0		0		12.5	6.38	96	13.77	0		0		975	98.85	2.090429	0.032648	0
GFL019 33+75E	DIRT	Niton	XL3t	9/26/2012	60	0		0		17.22	6.79	95	14	0		0		1316	112.4	2.129138	0.033114	0
GFL019 34+00E	DIRT	Niton	XL3t	9/26/2012	60	0		0		31.26	7.73	100	14.29	0		0		1171	108.54	2.553149	0.036431	0
GFL019 34+25E	DIRT	Niton	XL3t	9/26/2012	60	0		0		19.82	7.02	158	17.28	0		0		1681	127.1	2.668335	0.037531	0
GFL019 34+50E	DIRT	Niton	XL3t	9/26/2012	60	0		0		17.69	6.78	107	14.81	0		0		1057	104.29	2.530464	0.03622	8.83
GFL019 34+75E	DIRT	Niton	XL3t	9/26/2012	60	0		0		21.95	7.09	95	14.03	0		0		1744	128.51	2.632697	0.037088	0
GFL019 35+00E	DIRT	Niton	XL3t	9/26/2012	60	0		26.06	16.4	18.42	6.81	75	12.82	0		0		537	80.48	2.564642	0.036058	0
GFL019 35+25E	DIRT	Niton	XL3t	9/26/2012	60	0		0		0		61	11.84	0		0		226	61.66	1.812946	0.030404	0
GFL019 35+50E	DIRT	Niton	XL3t	9/26/2012	60	0		0		16.32	6.8	62	12.31	0		0		439	79.25	3.15057	0.041011	0
GFL019 35+75E	DIRT	Niton	XL3t	9/26/2012	60	0		0		19.25	7.1	105	14.98	0		0		1421	121.75	3.412375	0.043027	0
GFL019 36+00E	DIRT	Niton	XL3t	9/26/2012	60	0		0		20.85	7.11	93	14.1	0		0		1173	110.56	3.059997	0.040168	0
GFL019 36+25E	DIRT	Niton	XL3t	9/26/2012	60	0		0		21.41	7.16	132	16.11	0		0		2536	153.39	3.093832	0.040586	0
GFL019 36+50E	DIRT	Niton	XL3t	9/26/2012	60	0		43.37	18.28	14.74	6.78	107	14.91	0		0		592	88.12	3.419015	0.042847	0
GFL019 36+75E	DIRT	Niton	XL3t	9/26/2012	60	0		29.68	17.58	21.13	7.17	125	16.02	0		0		1849	135.22	3.231024	0.041917	0

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
GFL019 37+00E	DIRT	Niton	XL3t	9/26/2012	60	0		0		23.52	7.19	74	12.8	0		175.33	90.6	1035	102.23	2.246413	0.034045	0
GFL019 37+25E	DIRT	Niton	XL3t	9/26/2012	60	0		0		18.25	6.98	119	15.4	0		0		1770	130.38	2.758507	0.038265	0
GFL019 37+50E	DIRT	Niton	XL3t	9/26/2012	60	0		0		20.95	6.97	77	13	0		0		759	90.9	2.150083	0.033266	0
GFL020 00+00	DIRT	Niton	XL3t	9/22/2012	60	0		41.55	17.99	17.9	6.88	123	15.75	0		173.83	97.49	1042	104.77	2.543834	0.036808	0
GFL020 00+25E	DIRT	Niton	XL3t	9/22/2012	60	0		0		17.4	6.84	106	14.51	49.6	32.68	0		797	93.03	2.489404	0.035733	0
GFL020 00+50E	DIRT	Niton	XL3t	9/22/2012	60	0		0		26.55	7.35	95	14.04	0		0		1418	116.61	2.351075	0.034832	0
GFL020 00+75E	DIRT	Niton	XL3t	9/22/2012	60	0		0		15.64	6.57	101	14.17	0		0		609	82.89	2.198324	0.033338	0
GFL020 01+00E	DIRT	Niton	XL3t	9/22/2012	60	0		0		15.76	6.46	74	12.38	0		0		453	72.72	1.569818	0.027786	0
GFL020 01+25E	DIRT	Niton	XL3t	9/23/2012	60	0		50.7	18.57	18.07	6.95	88	13.93	0		188.1	101.99	716	91.84	2.773523	0.038508	0
GFL020 01+50E	DIRT	Niton	XL3t	9/22/2012	55	0		0		13.76	6.55	93	14.36	0		0		896	97.99	1.475225	0.02847	0
GFL020 01+75E	DIRT	Niton	XL3t	9/22/2012	60	0		0		14.55	6.43	122	14.94	0		0		903	94.84	1.896659	0.030769	0
GFL020 02+00E	DIRT	Niton	XL3t	9/22/2012	60	0		0		18	6.85	146	16.4	0		0		607	84.55	2.425765	0.035254	0
GFL020 02+25E	DIRT	Niton	XL3t	9/22/2012	60	0		0		0		38	10.15	0		0		154	52.69	1.105574	0.022856	0
GFL020 02+50E	DIRT	Niton	XL3t	9/22/2012	60	0		0		19.61	7.01	164	17.41	66.51	33.88	0		1532	121.65	2.428135	0.0357	0
GFL020 02+75E	DIRT	Niton	XL3t	9/22/2012	60	0		29.28	17.06	19.28	6.86	139	16.35	0		0		753	91.8	2.443357	0.035648	0
GFL020 03+00E	DIRT	Niton	XL3t	9/22/2012	60	0		0		17.23	6.68	113	14.93	0		0		774	91.59	2.270116	0.034235	0
GFL020 03+25E	DIRT	Niton	XL3t	9/22/2012	60	0		35.16	17.41	19.4	6.97	100	14.43	0		0		684	88.76	2.517479	0.036173	0
GFL020 03+50E	DIRT	Niton	XL3t	9/22/2012	60	0		0		25.09	7.47	107	15.05	0		0		612	87.4	2.672531	0.037839	0
GFL020 03+75E	DIRT	Niton	XL3t	9/22/2012	60	0		0		17.64	6.66	83	13.23	0		126.2	72.77	981	96.62	1.474613	0.027185	0
GFL020 04+00E	DIRT	Niton	XL3t	9/22/2012	60	0		0		36.59	8.16	107	15.04	0		0		1016	104.43	2.647494	0.037726	0
GFL020 04+25E	DIRT	Niton	XL3t	9/22/2012	60	0		33.27	15.96	13.84	6.2	44	10.41	0		0		212	56.7	1.222636	0.024217	0
GFL020 04+50E	DIRT	Niton	XL3t	9/22/2012	60	5.73	3.73	0		10.43	5.97	43	10.41	0		0		210	55.82	1.00928	0.022025	0
GFL020 04+75E	DIRT	Niton	XL3t	9/22/2012	60	0		0		23.68	7.19	116	14.83	0		0		1044	102.05	2.227166	0.033683	0
GFL020 05+00E	DIRT	Niton	XL3t	9/22/2012	60	0		0		24.66	7.12	85	13.15	0		0		664	84.99	2.042366	0.031959	0
GFL020 05+25E	DIRT	Niton	XL3t	9/22/2012	60	0		0		24.06	7.4	151	16.97	0		0		1490	120.99	2.359688	0.035425	0
GFL020 05+50E	DIRT	Niton	XL3t	9/23/2012	60	0		27.04	16.96	44.26	8.6	97	14.3	0		0		1268	112.9	2.4973	0.036245	0
GFL020 05+75E	DIRT	Niton	XL3t	9/23/2012	60	0		0		21.65	6.86	81	12.85	0		123.05	77.41	1311	109.05	1.717936	0.029152	0
GFL020 06+00E	DIRT	Niton	XL3t	9/23/2012	60	0		0		19.08	6.76	133	15.55	0		0		787	90.78	2.263086	0.033658	0
GFL020 06+25E	DIRT	Niton	XL3t	9/23/2012	60	0		0		17.75	6.68	67	12.03	0		169.33	79.12	474	75.78	1.714464	0.029378	0
GFL020 06+50E	DIRT	Niton	XL3t	9/23/2012	60	0		0		15	6.51	86	13.21	0		0		332	68.78	2.108526	0.032575	0
GFL020 06+75E	DIRT	Niton	XL3t	9/23/2012	60	0		32.21	17.08	16.63	6.6	118	15.31	0		0		629	85.65	2.491469	0.035796	0
GFL020 07+00E	DIRT	Niton	XL3t	9/23/2012	60	0		0		14.63	6.38	73	12.21	0		0		261	61.61	1.711141	0.028789	0
GFL020 07+25E	DIRT	Niton	XL3t	9/23/2012	60	0		0		22.84	7.23	132	16.06	0		0		738	91.9	2.575747	0.036852	0
GFL020 07+50E	DIRT	Niton	XL3t	9/23/2012	60	0		0		19.38	7.01	104	14.76	0		0		945	100.42	2.377891	0.035464	9.25
GFL020 07+75E	DIRT	Niton	XL3t	9/23/2012	60	0		0		20.1	6.92	104	14.39	0		0		544	80.39	2.136828	0.033167	0
GFL020 08+00E	DIRT	Niton	XL3t	9/23/2012	60	0		25.57	16.87	26.46	7.49	92	14.09	0		0		758	92.67	2.526818	0.036366	0
GFL020 08+25E	DIRT	Niton	XL3t	9/18/2012	60	0		56.15	19.89	44.65	9.07	117	16.2	0		0		430	85.45	4.072225	0.048317	14.26
GFL020 08+50E	DIRT	Niton	XL3t	9/18/2012	60	0		28.58	18.27	32.12	8.16	119	16.14	0		0		356	79.63	3.949007	0.047321	0
GFL020 08+75E	DIRT	Niton	XL3t	9/18/2012	60	0		32.36	18.02	34.92	8.35	101	14.96	0		0		1059	110.52	3.658307	0.045109	11.47
GFL020 09+00E	DIRT	Niton	XL3t	9/18/2012	60	0		0		12.97	6.41	89	13.58	0		0		1001	100.13	2.111616	0.032881	0
GFL020 09+25E	DIRT	Niton	XL3t	9/19/2012	60	0		25.55	16.67	26.84	7.38	79	13.24	0		0		252	66.21	2.503521	0.035983	0
GFL020 09+50E	DIRT	Niton	XL3t	9/19/2012	60	0		36.27	17.45	19.64	6.97	137	16.19	0		0		1259	111.36	2.197915	0.033935	0
GFL020 09+75E	DIRT	Niton	XL3t	9/19/2012	60	0		0		25.24	7.38	60	12.09	0		0		597	84.53	2.457171	0.035676	0
GFL020 10+00E	DIRT	Niton	XL3t	9/19/2012	60	0		0		10.2	5.98	84	12.83	0		0		190	57.81	1.837203	0.029848	8.44
GFL020 10+25E	DIRT	Niton	XL3t	9/19/2012	60	0		0		14.13	6.6	60	11.86	0		0		213	62.83	2.408656	0.034971	0

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
GFL020 10+50E	DIRT	Niton	XL3t	9/19/2012	60	0		0		13.48	6.42	65	12.13	0		0		398	71.59	1.882731	0.030704	0
GFL020 10+75E	DIRT	Niton	XL3t	9/19/2012	60	0		0		12.19	6.3	62	11.91	0		0		291	64.78	1.719715	0.029437	0
GFL020 11+00E	DIRT	Niton	XL3t	9/19/2012	60	0		0		20.63	6.9	67	12.27	0		0		269	64.23	1.995012	0.031688	0
GFL020 11+25E	DIRT	Niton	XL3t	9/19/2012	60	0		0		17.87	6.79	104	14.37	0		0		672	85.73	1.802196	0.030408	0
GFL020 11+50E	DIRT	Niton	XL3t	9/19/2012	60	0		0		12.75	6.5	78	13.19	0		0		363	70.77	2.031797	0.032324	0
GFL020 11+75E	DIRT	Niton	XL3t	9/19/2012	60	0		0		21.11	7.1	120	15.46	0		0		680	89.12	2.398339	0.035612	0
GFL020 12+00E	DIRT	Niton	XL3t	9/19/2012	60	0		0		24.34	7.19	95	14	0		0		562	81.75	2.252498	0.034094	0
GFL020 12+25E	DIRT	Niton	XL3t	9/19/2012	60	0		0		22.67	7.21	117	15.46	0		0		807	94.22	2.263598	0.034506	0
GFL020 12+50E	DIRT	Niton	XL3t	9/19/2012	60	0		0		11.65	6.15	53	10.99	0		0		132	52.93	1.522562	0.027254	0
GFL020 12+75E	DIRT	Niton	XL3t	9/19/2012	60	0		0		16.31	6.73	77	12.74	0		0		632	83.35	1.678367	0.029205	0
GFL020 13+00E	DIRT	Niton	XL3t	9/19/2012	60	0		0		14.86	6.58	144	16.46	0		0		1466	118.36	2.292935	0.034542	0
GFL020 13+25E	DIRT	Niton	XL3t	9/19/2012	60	0		26.92	16.72	23.37	7.12	146	16.55	0		0		466	77.97	2.556338	0.036137	0
GFL020 13+50E	DIRT	Niton	XL3t	9/19/2012	60	0		0		13.52	6.51	195	18.57	0		0		543	81.24	2.552634	0.036097	9.53
GFL020 13+75E	DIRT	Niton	XL3t	9/19/2012	60	0		0		18.22	7.18	121	16.16	0		0		1216	114.47	2.514745	0.037563	0
GFL020 14+00E	DIRT	Niton	XL3t	9/19/2012	60	0		0		15.56	6.49	73	12.48	0		0		378	70.1	1.889435	0.030646	7.91
GFL020 14+25E	DIRT	Niton	XL3t	9/24/2012	60	0		0		23.57	7.37	141	16.55	0		0		1436	119.23	2.278255	0.03499	0
GFL020 14+50E	DIRT	Niton	XL3t	9/24/2012	60	0		0		11.04	6.42	88	13.81	0		0		322	68.82	2.067038	0.03273	9.82
GFL020 14+75E	DIRT	Niton	XL3t	9/24/2012	60	0		0		18.56	6.87	135	16.06	0		0		615	84.65	2.425843	0.035406	0
GFL020 15+00E	DIRT	Niton	XL3t	9/24/2012	60	0		0		18.9	6.76	85	13.3	0		0		555	80.86	2.095988	0.032631	0
GFL020 15+25E	DIRT	Niton	XL3t	9/24/2012	60	0		34.56	17.48	23.37	7.26	104	14.63	0		0		364	74.82	2.887228	0.038948	0
GFL020 15+50E	DIRT	Niton	XL3t	9/24/2012	60	0		0		22.64	7.15	130	15.97	0		0		1091	106.05	2.669748	0.037459	0
GFL020 15+75E	DIRT	Niton	XL3t	9/24/2012	60	0		0		19.85	7.09	138	16.31	0		0		852	97.73	2.706097	0.037869	0
GFL020 16+00E	DIRT	Niton	XL3t	9/24/2012	60	0		0		12.38	6.61	98	14.5	0		0		644	88.71	2.546949	0.036943	12.79
GFL020 16+25E	DIRT	Niton	XL3t	9/24/2012	60	0		0		14.11	6.69	123	15.86	0		0		1035	107.24	3.144505	0.041333	9.88
GFL020 16+50E	DIRT	Niton	XL3t	9/24/2012	60	0		0		14.32	6.5	70	12.56	0		0		427	75.38	2.227387	0.033854	0
GFL020 16+75E	DIRT	Niton	XL3t	9/24/2012	60	0		0		17.13	6.66	100	14.09	0		0		867	94.63	2.294899	0.034002	0
GFL020 17+00E	DIRT	Niton	XL3t	9/24/2012	60	0		0		16.04	6.72	190	18.43	0		0		1058	104.87	2.674661	0.03734	8.51
GFL020 17+25E	DIRT	Niton	XL3t	9/24/2012	60	0		0		22.63	7.07	101	14.26	0		0		723	87.31	1.816148	0.030267	0
GFL020 17+50E	DIRT	Niton	XL3t	9/24/2012	60	0		0		14.48	6.56	104	14.48	0		0		421	76.02	2.512902	0.036118	0
GFL020 17+75E	DIRT	Niton	XL3t	9/24/2012	60	0		0		15.23	6.58	100	14.15	0		0		1602	122	1.992319	0.032098	0
GFL020 18+00E	DIRT	Niton	XL3t	9/24/2012	60	0		27.09	17.44	25.19	7.48	119	15.55	0		0		1490	122.4	2.500438	0.036825	0
GFL020 18+25E	DIRT	Niton	XL3t	9/19/2012	60	0		0		15.82	6.63	92	13.76	0		0		621	84.21	2.104278	0.032853	0
GFL020 18+50E	DIRT	Niton	XL3t	9/19/2012	60	0		26.54	16.44	11.17	6.24	62	11.97	0		0		1462	115.57	1.638235	0.028885	0
GFL020 18+75E	DIRT	Niton	XL3t	9/19/2012	60	0		0		23.97	7.27	140	16.37	0		0		1509	120.05	2.032445	0.032702	0
GFL020 19+00E	DIRT	Niton	XL3t	9/19/2012	60	0		0		19.19	7.05	143	16.55	0		0		661	88.1	2.548254	0.036482	0
GFL020 19+25E	DIRT	Niton	XL3t	9/19/2012	60	0		0		24.93	7.24	92	13.65	0		0		847	93.91	2.272049	0.03391	0
GFL020 19+50E	DIRT	Niton	XL3t	9/19/2012	60	0		0		19.07	6.9	100	14.26	0		0		774	91.51	2.220009	0.033715	0
GFL020 19+75E	DIRT	Niton	XL3t	9/19/2012	60	0		0		17.14	6.91	181	18.34	0		0		1875	134.12	2.716955	0.038073	0
GFL020 20+00E	DIRT	Niton	XL3t	9/19/2012	60	0		0		35.22	8.16	135	16.45	0		0		3145	169.79	2.853932	0.039292	0
GFL020 20+25E	DIRT	Niton	XL3t	9/19/2012	60	0		0		41.13	8.44	128	15.83	0		0		1014	103.96	2.636655	0.037311	0
GFL020 20+50E	DIRT	Niton	XL3t	9/19/2012	60	0		0		21.45	7.03	87	13.41	0		0		672	86.5	2.310688	0.034277	0
GFL020 20+75E	DIRT	Niton	XL3t	9/19/2012	60	0		0		17.03	6.74	81	13.24	0		0		838	94.88	2.269356	0.034402	0
GFL020 21+00E	DIRT	Niton	XL3t	9/19/2012	60	0		0		19.37	7	180	18.27	0		0		2436	150.18	2.895869	0.039222	0
GFL020 21+25E	DIRT	Niton	XL3t	9/19/2012	60	0		0		17.32	6.89	116	15.15	0		0		936	101.26	2.992131	0.039722	8.69
GFL020 21+50E	DIRT	Niton	XL3t	9/19/2012	60	0		29.6	16.87	35.83	7.91	112	14.83	76	33.88	0		2546	149.62	2.524815	0.035942	0

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
GFL020 21+75E	DIRT	Niton	XL3t	9/19/2012	60	0		0		21	7.07	145	16.65	0		0		1975	136.21	2.664752	0.037436	0
GFL020 22+00E	DIRT	Niton	XL3t	9/19/2012	60	0		0		16.22	6.68	113	14.9	0		0		457	77.37	2.558531	0.036307	0
GFL020 22+25E	DIRT	Niton	XL3t	9/23/2012	60	0		0		21.51	7.04	162	17.37	0		0		1744	128.2	2.627893	0.037008	0
GFL020 22+50E	DIRT	Niton	XL3t	9/23/2012	60	0		0		29.85	7.67	96	14.15	0		0		394	76.07	2.901253	0.038849	0
GFL020 22+75E	DIRT	Niton	XL3t	9/23/2012	60	0		0		15.44	6.67	121	15.59	0		0		1073	104.72	2.419757	0.035467	0
GFL020 23+00E	DIRT	Niton	XL3t	9/23/2012	60	0		30.81	17.43	22.08	7.21	166	17.76	0		0		1781	132.22	3.169323	0.041087	0
GFL020 23+25E	DIRT	Niton	XL3t	9/23/2012	60	0		0		24.53	7.43	199	19.05	0		0		2449	151.95	3.443353	0.04294	0
GFL020 23+50E	DIRT	Niton	XL3t	9/23/2012	60	0		28.76	17.6	28.29	7.79	175	18.32	56	34.83	0		3003	167.35	3.233279	0.041905	0
GFL020 23+75E	DIRT	Niton	XL3t	9/23/2012	60	0		0		22.36	7.05	127	15.56	0		0		1594	123.11	2.743556	0.037523	0
GFL020 24+00E	DIRT	Niton	XL3t	9/23/2012	60	0		0		43.04	8.4	132	15.98	0		0		2194	141.83	2.511247	0.036259	0
GFL020 24+25E	DIRT	Niton	XL3t	9/23/2012	60	0		0		21.52	7.05	117	15.06	0		0		1604	122.98	2.509803	0.035983	11.45
GFL020 24+50E	DIRT	Niton	XL3t	9/23/2012	60	0		45.61	18.4	26.61	7.64	150	17.17	0		0		2386	150.83	3.263744	0.042001	9.7
GFL020 24+75E	DIRT	Niton	XL3t	9/23/2012	60	0		28.02	17.07	25.35	7.49	152	17.04	0		0		2276	145.27	2.912776	0.039205	0
GFL020 25+00E	DIRT	Niton	XL3t	9/23/2012	60	0		33.24	17.47	27.32	7.64	133	16.16	0		0		1713	129.23	2.948626	0.039537	0
GFL020 25+25E	DIRT	Niton	XL3t	9/23/2012	60	0		0		16.48	6.61	112	14.6	0		0		1513	117.45	2.187296	0.033054	0
GFL020 25+50E	DIRT	Niton	XL3t	9/23/2012	60	0		33.9	16.67	13.46	6.41	125	15.22	0		0		1595	119.97	2.092975	0.032415	8.41
GFL020 25+75E	DIRT	Niton	XL3t	9/23/2012	60	0		0		25.22	7.25	112	14.83	0		0		1376	115.89	2.704959	0.037149	0
GFL020 26+00E	DIRT	Niton	XL3t	9/23/2012	60	0		0		19.46	6.72	72	12.33	0		0		365	68.44	1.636237	0.02845	0
GFL020 26+25E	DIRT	Niton	XL3t	9/20/2012	60	0		0		17.62	6.8	67	12.43	0		0		1017	101.57	1.958846	0.031934	0
GFL020 26+50E	DIRT	Niton	XL3t	9/20/2012	60	0		0		19.01	6.78	67	12.3	0		0		581	80.81	1.795387	0.030078	0
GFL020 26+75E	DIRT	Niton	XL3t	9/20/2012	60	0		26.67	16.82	18.02	6.84	111	14.94	0		0		359	72.64	2.58301	0.036607	0
GFL020 27+00E	DIRT	Niton	XL3t	9/20/2012	60	0		0		19.25	6.86	91	13.75	0		0		546	81.22	2.314971	0.034504	0
GFL020 27+25E	DIRT	Niton	XL3t	9/20/2012	60	0		0		21.7	7.14	83	13.28	0		0		606	85.42	2.517672	0.036191	0
GFL020 27+50E	DIRT	Niton	XL3t	9/20/2012	60	0		32.62	17.27	30.25	7.73	107	14.8	0		0		478	79.69	2.687966	0.037451	0
GFL020 27+75E	DIRT	Niton	XL3t	9/20/2012	60	0		0		24.34	7.36	99	14.62	0		0		1463	120.61	2.735304	0.038179	0
GFL020 28+00E	DIRT	Niton	XL3t	9/20/2012	60	0		0		21.03	6.79	78	12.79	0		0		400	71.28	1.903881	0.030799	0
GFL020 28+25E	DIRT	Niton	XL3t	9/20/2012	60	0		0		30.29	7.72	97	14.28	55.52	33.32	0		1395	116.3	2.393345	0.035292	0
GFL020 28+50E	DIRT	Niton	XL3t	9/20/2012	60	0		27.95	17.06	32.4	7.84	130	15.99	0		0		1089	106.72	2.580074	0.036843	0
GFL020 28+75E	DIRT	Niton	XL3t	9/20/2012	60	0		0		26.64	7.44	114	14.94	0		0		1201	108.77	2.402581	0.035161	0
GFL020 29+00E	DIRT	Niton	XL3t	9/20/2012	60	0		0		35.43	8.08	116	15.34	0		0		1343	116.11	2.609045	0.037158	0
GFL020 29+25E	DIRT	Niton	XL3t	9/20/2012	60	0		0		25.92	7.32	84	13.48	0		0		818	93.19	2.104436	0.032889	0
GFL020 29+50E	DIRT	Niton	XL3t	9/20/2012	60	0		0		24.47	7.35	131	15.94	0		0		1371	116.12	2.500616	0.036223	11.39
GFL020 29+75E	DIRT	Niton	XL3t	9/20/2012	60	0		0		18.61	6.79	146	16.38	0		0		1369	114.37	2.335734	0.034618	0
GFL020 30+00E	DIRT	Niton	XL3t	9/20/2012	60	0		0		27.53	7.42	92	13.74	0		0		1728	126.51	2.141911	0.033252	0
GFL020 30+25E	DIRT	Niton	XL3t	9/21/2012	60	0		0		15.01	6.6	62	11.96	0		0		973	99.15	2.110532	0.032807	0
GFL020 30+50E	DIRT	Niton	XL3t	9/21/2012	60	0		30.87	16.91	25.69	7.37	123	15.43	0		0		1120	106.12	2.624803	0.036725	0
GFL020 30+75E	DIRT	Niton	XL3t	9/21/2012	60	0		0		27.48	7.52	231	20.24	65	34.54	0		2110	140.55	2.676345	0.037685	9.54
GFL020 31+00E	DIRT	Niton	XL3t	9/21/2012	60	0		0		28.8	7.58	140	16.38	0		0		1186	108.18	2.076331	0.032837	0
GFL020 31+25E	DIRT	Niton	XL3t	9/21/2012	60	0		0		13.32	6.41	86	13.17	0		0		861	93.58	2.009697	0.031731	0
GFL020 31+50E	DIRT	Niton	XL3t	9/21/2012	60	0		0		12.29	6.31	121	15.29	0		0		808	92.7	2.28815	0.034147	9.77
GFL020 31+75E	DIRT	Niton	XL3t	9/21/2012	60	0		0		17.15	6.68	118	15.04	0		0		713	88.41	2.142645	0.03294	0
GFL020 32+00E	DIRT	Niton	XL3t	9/21/2012	60	0		0		14.18	6.48	104	14.26	0		0		816	92.19	2.126589	0.032755	10.67
GFL020 32+25E	DIRT	Niton	XL3t	9/21/2012	60	0		0		21.31	7.03	151	16.98	0		0		2043	137.25	2.283573	0.034719	0
GFL020 32+50E	DIRT	Niton	XL3t	9/21/2012	60	0		0		12.76	6.29	69	12.11	0		0		659	83.3	1.741778	0.029359	0
GFL020 32+75E	DIRT	Niton	XL3t	9/21/2012	60	0		30.33	17.24	15.43	6.79	95	14.11	0		0		684	90.04	2.849148	0.0387	14.03

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
GFL020 33+00E	DIRT	Niton	XL3t	9/21/2012	60	0		26.4	16.93	24.55	7.44	118	15.26	0		0		1164	109.45	2.805241	0.038389	0
GFL020 33+25E	DIRT	Niton	XL3t	9/21/2012	60	0		0		21.18	7.02	85	13.39	0		0		1529	118.63	1.884685	0.031026	0
GFL020 33+50E	DIRT	Niton	XL3t	9/21/2012	60	0		29.95	17.42	26.64	7.57	135	16.34	0		0		1094	108.26	3.029213	0.04021	12.16
GFL020 33+75E	DIRT	Niton	XL3t	9/21/2012	60	0		65.51	19.42	34.67	8.15	75	13.13	0		0		659	89.76	2.794443	0.038694	11.15
GFL020 34+00E	DIRT	Niton	XL3t	9/21/2012	60	0		0		22.71	7.18	116	15.27	0		0		830	94.77	2.278521	0.034552	10.59
GFL020 34+25E	DIRT	Niton	XL3t	9/25/2012	60	0		26.83	17.17	34.03	8.06	194	18.87	0		0		482	80.62	2.869382	0.039008	12.28
GFL020 34+50E	DIRT	Niton	XL3t	9/25/2012	60	0		0		23.85	7.28	150	16.8	0		0		993	103.26	2.85682	0.038767	0
GFL020 34+75E	DIRT	Niton	XL3t	9/25/2012	60	0		42.89	18.6	25.78	7.6	90	14.21	0		0		1227	115.51	3.190538	0.04189	0
GFL020 35+00E	DIRT	Niton	XL3t	9/25/2012	60	0		30.99	17.82	23.68	7.49	71	13.21	0		0		620	90.07	3.315711	0.042475	0
GFL020 35+25E	DIRT	Niton	XL3t	9/25/2012	60	0		27.45	17.19	19.95	7.03	97	14.24	0		0		1841	132.83	2.649483	0.037622	0
GFL020 35+50E	DIRT	Niton	XL3t	9/25/2012	60	0		0		25.24	7.17	95	13.82	0		0		962	97.35	2.067774	0.032202	0
GFL020 35+75E	DIRT	Niton	XL3t	9/25/2012	60	0		0		22.4	7.1	84	13.32	0		0		1057	102.89	2.402911	0.035103	0
GFL020 36+00E	DIRT	Niton	XL3t	9/25/2012	60	0		0		0		67	12.09	0		0		450	74.77	2.039323	0.032001	7.95
GFL021 00+00	DIRT	Niton	XL3t	9/17/2012	60	0		0		0		43	11.13	0		0		465	75.13	1.271605	0.025941	0
GFL021 00+25W	DIRT	Niton	XL3t	9/17/2012	60	0		0		14.6	6.4	61	11.62	0		0		1776	123.49	1.468704	0.027037	0
GFL021 00+50W	DIRT	Niton	XL3t	9/17/2012	60	0		32.72	17.05	24.6	7.33	100	14.27	0		0		794	93.12	2.521361	0.036046	0
GFL021 00+75W	DIRT	Niton	XL3t	9/17/2012	60	0		29.1	16.71	16.21	6.61	116	14.97	0		0		948	98.09	2.318175	0.034317	0
GFL021 01+00W	DIRT	Niton	XL3t	9/17/2012	60	0		0		20.37	6.89	108	14.58	0		0		841	93.2	2.188928	0.033245	0
GFL021 01+25W	DIRT	Niton	XL3t	9/17/2012	60	0		0		14.9	6.44	65	11.95	0		0		584	80.8	2.007368	0.031605	10.83
GFL021 01+50W	DIRT	Niton	XL3t	9/17/2012	60	0		0		24.04	7.37	88	13.88	0		0		1037	104.88	2.619974	0.037285	13.3
GFL021 01+75W	DIRT	Niton	XL3t	9/17/2012	60	0		0		17.92	6.72	59	11.89	0		0		540	79.99	2.129475	0.032794	0
GFL021 02+00W	DIRT	Niton	XL3t	9/17/2012	60	0		0		19.88	7.15	137	16.74	0		0		969	103.92	2.612924	0.037883	0
GFL021 02+25W	DIRT	Niton	XL3t	9/17/2012	60	0		32.56	17.54	12.2	6.52	117	15.43	0		0		1129	108.69	2.562881	0.03696	9.25
GFL021 02+50W	DIRT	Niton	XL3t	9/17/2012	60	6	3.68	26.11	16.76	29.21	7.5	64	12.21	0		0		754	91.56	2.538389	0.036103	11.58
GFL021 02+75W	DIRT	Niton	XL3t	9/17/2012	60	0		0		16.11	6.57	57	11.83	0		0		331	69.2	2.171021	0.033352	0
GFL021 03+00W	DIRT	Niton	XL3t	9/17/2012	60	0		0		12.67	6.15	49	10.87	0		0		449	70.97	1.342426	0.025478	0
GFL021 03+25W	DIRT	Niton	XL3t	9/17/2012	60	0		35.1	17.37	24.01	7.27	92	13.95	0		0		723	91.24	2.845332	0.038515	0
GFL021 03+50W	DIRT	Niton	XL3t	9/17/2012	60	0		0		0		83	12.89	0		0		287	64.43	1.883249	0.030401	0
GFL021 03+75W	DIRT	Niton	XL3t	9/17/2012	60	0		0		10.93	6.07	37	10.02	0		0		331	65.55	1.379444	0.026053	0
GFL021 04+00W	DIRT	Niton	XL3t	9/17/2012	60	0		0		20.76	6.96	102	14.34	0		0		911	97.2	2.095966	0.032711	0
GFL021 04+25W	DIRT	Niton	XL3t	9/17/2012	60	0		0		26.12	7.45	93	13.81	0		0		1129	107.1	2.496042	0.03611	0
GFL021 04+50E	DIRT	Niton	XL3t	9/24/2012	60	0		26.6	16.78	22.69	7.09	81	13.34	0		0		867	97.03	2.39832	0.035287	0
GFL021 04+75W	DIRT	Niton	XL3t	9/24/2012	60	0		0		14.43	6.61	92	13.86	0		0		656	86.81	2.146729	0.033487	8.61
GFL021 05+00W	DIRT	Niton	XL3t	9/24/2012	60	0		0		21.18	7.1	107	14.77	0		0		890	97.95	2.604422	0.036832	0
GFL021 05+25W	DIRT	Niton	XL3t	9/24/2012	60	0		0		27.79	7.43	104	14.29	0		0		953	98.52	2.240145	0.033804	0
GFL021 05+50W	DIRT	Niton	XL3t	9/24/2012	60	0		0		15.34	6.56	74	12.92	0		0		891	96	1.958514	0.031812	9.57
GFL021 05+75W	DIRT	Niton	XL3t	9/24/2012	60	0		33.54	17.18	29.51	7.7	109	14.74	0		0		665	87.94	2.616967	0.036812	0
GFL021 06+00W	DIRT	Niton	XL3t	9/24/2012	60	0		0		22.01	6.99	68	12.23	0		0		261	62.74	1.832861	0.030128	0
GFL021 06+25W	DIRT	Niton	XL3t	9/24/2012	60	0		0		30.81	7.8	103	14.58	0		0		1399	117.73	2.68771	0.0376	0
GFL021 06+50W	DIRT	Niton	XL3t	9/24/2012	60	0		0		15.27	6.54	75	12.4	54.73	31.98	0		342	67.68	1.931325	0.030854	0
GFL021 06+75W	DIRT	Niton	XL3t	9/24/2012	60	0		0		18.59	6.57	77	12.44	0		0		333	66.7	1.875194	0.030229	0
GFL021 07+00W	DIRT	Niton	XL3t	9/24/2012	60	0		0		28.39	7.47	83	13.42	0		0		1141	106.09	2.223162	0.033753	0
GFL021 07+25W	DIRT	Niton	XL3t	9/24/2012	60	0		0		21.52	6.96	162	17.18	0		0		1570	121.4	2.291952	0.034371	0
GFL021 07+50W	DIRT	Niton	XL3t	9/24/2012	60	0		24.77	16.45	24	7.25	76	12.91	0		0		991	100.53	2.357181	0.034679	0
GFL021 07+75W	DIRT	Niton	XL3t	9/24/2012	60	0		37.85	17.69	26.16	7.48	120	15.44	0		0		1451	120.22	2.66632	0.037588	0

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
GFL021 08+00W	DIRT	Niton	XL3t	9/24/2012	60	0		0		21.55	6.87	125	15.45	0		0		1404	114.21	2.088161	0.032495	0
GFL021 08+25W	DIRT	Niton	XL3t	9/23/2012	60	0		0		19.83	6.99	137	16.31	0		0		1767	129.56	2.372659	0.035485	0
GFL021 08+50W	DIRT	Niton	XL3t	9/23/2012	60	0		38.09	17.99	32.23	7.97	136	16.46	0		0		2339	148.58	3.042342	0.040495	0
GFL021 08+75W	DIRT	Niton	XL3t	9/23/2012	60	0		0		15.59	6.54	51	11.33	0		0		449	73.66	1.709402	0.029301	0
GFL021 09+00W	DIRT	Niton	XL3t	9/23/2012	60	0		31.61	18.37	26.71	7.8	117	15.95	0		0		1638	130.87	3.005342	0.041221	0
GFL021 09+25W	DIRT	Niton	XL3t	9/23/2012	60	0		26.91	16.72	13.53	6.56	130	15.78	0		0		1678	124.91	2.236524	0.034046	7.94
GFL021 09+50W	DIRT	Niton	XL3t	9/23/2012	60	0		0		12.79	6.37	127	15.31	0		0		1427	115.05	2.035198	0.032132	0
GFL021 09+75W	DIRT	Niton	XL3t	9/23/2012	60	0		31.38	17.07	28.51	7.54	103	14.32	0		0		1440	117.97	2.660303	0.03713	0
GFL021 10+00W	DIRT	Niton	XL3t	9/23/2012	60	0		35.49	18.6	24.35	7.7	151	17.67	0		0		2180	149.01	3.638589	0.045384	12.38
GFL021 10+25W	DIRT	Niton	XL3t	9/23/2012	60	0		30.08	17.82	28.23	7.86	134	16.52	0		0		1466	124.49	3.575296	0.044231	0
GFL021 10+50W	DIRT	Niton	XL3t	9/23/2012	60	0		40.31	18.15	18.06	7.06	140	16.65	0		0		1922	136.92	3.168222	0.041372	10.87
GFL021 10+75W	DIRT	Niton	XL3t	9/23/2012	60	0		0		19.69	7.14	98	14.37	0		0		815	95.72	2.555063	0.036937	0
GFL021 11+00W	DIRT	Niton	XL3t	9/23/2012	60	0		0		23.92	7.3	103	14.51	0		0		1147	107.96	2.778626	0.037977	0
GFL021 11+25W	DIRT	Niton	XL3t	9/18/2012	60	0		28.95	17.68	19.17	7.07	104	15.01	0		196.63	113.04	594	89.14	3.34621	0.042877	0
GFL021 11+50W	DIRT	Niton	XL3t	9/18/2012	60	0		0		15.33	6.66	79	13.16	0		0		376	72.69	2.343686	0.034795	8.44
GFL021 11+75W	DIRT	Niton	XL3t	9/18/2012	60	0		0		12.57	6.34	80	13.26	0		0		558	81.51	2.332962	0.034615	0
GFL021 12+00W	DIRT	Niton	XL3t	9/18/2012	60	0		0		19.71	6.95	67	12.4	0		0		752	90.21	1.881998	0.031292	8.53
GFL021 12+25W	DIRT	Niton	XL3t	9/18/2012	60	0		25.85	16.63	25.56	7.27	99	14.28	0		0		1296	112.34	2.364108	0.035008	0
GFL021 12+50W	DIRT	Niton	XL3t	9/18/2012	60	0		35.36	18.38	27.92	7.77	75	13.57	0		0		495	83.42	2.887632	0.040114	0
GFL021 12+75W	DIRT	Niton	XL3t	9/18/2012	60	0		0		22.93	7.25	101	14.56	0		0		2314	146.84	2.341026	0.035501	0
GFL021 13+00W	DIRT	Niton	XL3t	9/18/2012	60	0		0		25.37	7.51	88	14.21	0		0		777	95.42	2.730761	0.038551	0
GFL021 13+25W	DIRT	Niton	XL3t	9/18/2012	60	0		25.8	16.93	28.08	7.56	85	13.63	68	34.51	0		362	72.68	2.525023	0.036235	0
GFL021 13+50W	DIRT	Niton	XL3t	9/18/2012	60	0		0		13.49	6.44	75	12.71	0		0		483	76.3	2.064379	0.03225	0
GFL021 13+75W	DIRT	Niton	XL3t	9/18/2012	60	0		36.55	18.32	34.14	8.2	72	13.31	0		0		1323	117.75	2.535914	0.037508	0
GFL021 14+00W	DIRT	Niton	XL3t	9/18/2012	60	0		33.72	17.43	27.93	7.55	80	13.36	0		0		610	85.9	2.540346	0.036652	0
GFL021 14+25W	DIRT	Niton	XL3t	9/18/2012	60	0		0		9.65	6.13	119	15.09	0		0		640	85.24	2.19525	0.033521	11.06
GFL021 14+50W	DIRT	Niton	XL3t	9/18/2012	60	0		0		14.17	6.64	130	16.08	0		0		780	93.42	2.393686	0.035609	10.68
GFL021 14+75W	DIRT	Niton	XL3t	9/18/2012	60	0		0		20.88	7.14	112	15.23	0		0		381	74.77	2.855542	0.038859	0
GFL021 15+00W	DIRT	Niton	XL3t	9/18/2012	60	0		0		13.3	6.45	68	12.56	0		0		472	77.37	1.969215	0.03212	0
GFL021 15+25W	DIRT	Niton	XL3t	9/18/2012	60	0		0		13.03	6.44	53	11.64	0		0		998	100.37	1.958152	0.031848	0
GFL021 15+50W	DIRT	Niton	XL3t	9/18/2012	60	0		0		19.03	6.87	132	16.12	0		0		695	89.82	2.360424	0.035404	0
GFL021 15+75W	DIRT	Niton	XL3t	9/18/2012	60	0		30.68	17.36	26.18	7.45	119	15.59	0		146.48	95.78	887	98.48	2.469635	0.03629	0
GFL021 16+00W	DIRT	Niton	XL3t	9/18/2012	60	0		36.77	18.08	29.8	7.77	106	15.01	0		0		2235	146.26	2.594477	0.037691	0
GFL021 16+25W	DIRT	Niton	XL3t	9/18/2012	60	0		0		28.58	7.75	88	14.04	0		151.17	94.44	961	103	2.321356	0.035684	0
GFL021 16+50W	DIRT	Niton	XL3t	9/18/2012	60	0		28.31	17.64	33.85	8.14	106	15.18	0		0		1864	136.29	2.972839	0.04039	0
GFL021 16+75W	DIRT	Niton	XL3t	9/18/2012	60	0		32.43	17.77	22.68	7.42	110	15.2	0		0		680	91.24	2.85802	0.039428	0
GFL021 17+00W	DIRT	Niton	XL3t	9/18/2012	60	0		0		14.92	6.65	71	12.59	0		0		311	68.03	2.085323	0.032861	0
GFL021 17+25W	DIRT	Niton	XL3t	9/18/2012	60	0		0		15.58	6.53	58	11.73	0		0		563	79.52	1.573708	0.028274	0
GFL021 17+50W	DIRT	Niton	XL3t	9/18/2012	60	0		0		18.21	6.88	73	12.84	0		0		288	67.34	2.287549	0.034506	0
GFL021 17+75W	DIRT	Niton	XL3t	9/18/2012	60	0		0		16.02	6.69	86	13.52	0		0		311	67.84	2.109216	0.032924	0
GFL021 18+00W	DIRT	Niton	XL3t	9/18/2012	60	0		0		15.02	6.44	84	13.09	0		0		399	71.73	1.939331	0.031322	8.1
GFL021 18+25W	DIRT	Niton	XL3t	9/12/2012	60	0		0		19.97	6.64	74	12.31	0		0		1713	121.06	1.968462	0.030851	0
GFL021 18+50W	DIRT	Niton	XL3t	9/12/2012	60	0		27.33	16.65	20.93	6.98	83	13.34	0		0		383	71.88	2.153852	0.033201	0
GFL021 18+75W	DIRT	Niton	XL3t	9/12/2012	60	0		0		11.82	6.33	127	15.35	0		0		1233	108.76	2.159694	0.033183	9.91
GFL021 19+00W	DIRT	Niton	XL3t	9/12/2012	60	0		0		15.2	6.62	120	15.43	0		0		1070	105.12	2.292744	0.034844	0

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
GFL021 19+25W	DIRT	Niton	XL3t	9/12/2012	60	0		36.68	17.08	30.93	7.56	65	12.33	0		0		1031	102	2.442402	0.03521	0
GFL021 19+50W	DIRT	Niton	XL3t	9/12/2012	60	0		0		12.33	5.99	47	10.73	0		0		612	79.65	1.570549	0.027483	0
GFL021 19+75W	DIRT	Niton	XL3t	9/12/2012	60	0		0		20.34	7.17	100	14.81	0		0		411	77.53	2.617875	0.037905	0
GFL021 20+00W	DIRT	Niton	XL3t	9/12/2012	60	0		29.42	16.64	17.93	6.7	73	12.65	0		0		349	69.93	2.167695	0.033139	0
GFL021 20+25W	DIRT	Niton	XL3t	9/13/2012	60	0		38.61	18.01	13.68	6.75	88	14.01	0		0		1251	113.75	2.559606	0.037191	0
GFL021 20+50W	DIRT	Niton	XL3t	9/13/2012	60	0		0		16.41	6.7	79	13.37	0		0		985	101.15	2.112884	0.033369	0
GFL021 20+75W	DIRT	Niton	XL3t	9/13/2012	60	0		0		13.47	6.58	121	15.59	0		0		1247	112.38	2.121357	0.033759	0
GFL021 21+00W	DIRT	Niton	XL3t	9/13/2012	60	0		25.88	16.59	11.04	6.34	62	12.13	0		0		604	82.79	1.970004	0.031624	0
GFL021 21+25W	DIRT	Niton	XL3t	9/13/2012	60	0		0		15.17	6.66	68	12.54	0		0		904	96.3	1.404206	0.02729	0
GFL021 21+50W	DIRT	Niton	XL3t	9/13/2012	60	0		0		17.08	6.76	69	12.53	0		0		358	71.1	2.089834	0.032754	0
GFL021 21+75W	DIRT	Niton	XL3t	9/13/2012	60	0		33.3	17.4	18.2	6.9	150	16.93	0		0		1273	112.87	2.528582	0.03654	0
GFL021 22+00W	DIRT	Niton	XL3t	9/13/2012	60	0		0		23.63	7.6	67	13.15	0		0		1045	108.76	2.695178	0.039117	0
GFL021 22+25W	DIRT	Niton	XL3t	9/20/2012	60	0		0		15.21	6.77	123	15.6	0		0		1006	102.98	2.625078	0.03713	0
GFL021 22+50W	DIRT	Niton	XL3t	9/20/2012	60	0		0		10.94	6.31	145	16.59	0		0		958	101.29	2.832701	0.038472	8.46
GFL021 22+75W	DIRT	Niton	XL3t	9/20/2012	60	0		0		12.84	6.5	81	13.22	0		0		341	70.48	2.025539	0.032567	0
GFL021 23+00W	DIRT	Niton	XL3t	9/20/2012	60	0		0		16.19	6.59	142	16.18	0		0		739	90.59	2.547071	0.036164	0
GFL021 23+25W	DIRT	Niton	XL3t	9/20/2012	60	0		0		26.61	7.59	141	16.62	0		0		959	103.11	2.995936	0.040107	0
GFL021 23+50W	DIRT	Niton	XL3t	9/20/2012	60	0		0		22.15	7.13	147	16.5	0		0		1565	121.93	2.554065	0.036364	0
GFL021 23+75W	DIRT	Niton	XL3t	9/20/2012	60	0		0		22.08	7.25	124	15.89	0		0		1716	130.47	2.766781	0.038834	0
GFL021 24+00W	DIRT	Niton	XL3t	9/20/2012	60	0		0		15.54	6.66	87	13.35	0		0		344	70.46	2.395641	0.034873	0
GFL021 24+25W	DIRT	Niton	XL3t	9/20/2012	60	0		0		26.07	7.52	129	16.1	0		0		458	81.22	3.362202	0.042328	0
GFL021 24+50W	DIRT	Niton	XL3t	9/20/2012	60	0		0		20.19	7.03	123	15.71	0		0		835	97.19	2.884538	0.039023	0
GFL021 24+75W	DIRT	Niton	XL3t	9/20/2012	60	0		0		22.16	7.08	139	16.11	0		0		953	99.25	2.380238	0.035011	0
GFL021 25+00W	DIRT	Niton	XL3t	9/20/2012	60	0		0		21.27	6.96	81	13.27	0		0		591	82.81	2.347333	0.034542	0
GFL021 25+25W	DIRT	Niton	XL3t	9/13/2012	60	0		0		31.01	7.81	119	15.38	0		0		936	100.35	2.725844	0.0379	0
GFL021 25+50W	DIRT	Niton	XL3t	9/13/2012	60	0		0		20.79	7.06	116	15.07	0		0		1061	103.77	2.397352	0.03517	0
GFL021 25+75W	DIRT	Niton	XL3t	9/13/2012	60	0		0		27.87	7.44	123	15.44	0		0		914	98.73	2.473689	0.035869	0
GFL021 26+00W	DIRT	Niton	XL3t	9/13/2012	60	0		0		19.3	6.94	113	15.01	0		0		1275	111.85	2.263595	0.034282	0
GFL021 26+25W	DIRT	Niton	XL3t	9/13/2012	60	0		0		24.86	7.3	133	15.84	0		0		2264	142.87	2.317497	0.034757	0
GFL021 26+50W	DIRT	Niton	XL3t	9/13/2012	60	0		0		23.41	7.13	109	14.46	53.29	32.34	0		1067	103.21	2.472557	0.035446	0
GFL021 26+75W	DIRT	Niton	XL3t	9/13/2012	60	0		0		15.38	6.51	87	13.32	0		0		342	68.43	2.177925	0.032859	0
GFL021 27+00W	DIRT	Niton	XL3t	9/13/2012	60	0		0		19.99	6.91	97	13.93	0		0		424	74.77	2.426812	0.034991	0
GFL021 27+25W	DIRT	Niton	XL3t	9/13/2012	60	0		0		17.53	6.7	94	13.8	0		0		622	84.27	2.12824	0.032937	0
GFL021 27+50W	DIRT	Niton	XL3t	9/13/2012	60	0		27.8	16.44	27.25	7.29	98	13.99	0		0		767	90.32	2.321952	0.034205	0
GFL021 27+75W	DIRT	Niton	XL3t	9/25/2012	60	0		0		24.88	7.27	106	14.83	0		0		2067	138.25	2.48578	0.036135	0
GFL021 28+00W	DIRT	Niton	XL3t	9/25/2012	60	0		30.09	16.5	13.76	6.39	112	14.67	0		0		486	78.03	2.512188	0.035457	7.78
GFL021 28+25W	DIRT	Niton	XL3t	9/25/2012	60	0		0		19.47	6.89	138	16.26	0		0		1578	122.6	2.377953	0.03521	0
GFL021 28+50W	DIRT	Niton	XL3t	9/25/2012	60	0		0		15.64	6.59	120	15.28	0		0		599	84.6	2.566004	0.036342	0
GFL021 28+75W	DIRT	Niton	XL3t	9/25/2012	60	0		25.61	16.62	22.8	7.14	115	14.97	0		0		1112	105.64	2.534349	0.036038	0
GFL021 29+00W	DIRT	Niton	XL3t	9/25/2012	60	0		0		69.36	10.01	181	18.47	0		0		2574	156.33	3.393486	0.042825	0
GFL021 29+25W	DIRT	Niton	XL3t	9/25/2012	60	0		27.03	17.43	35.47	8.13	118	15.82	0		0		1561	125.8	3.074433	0.040865	0
GFL021 29+50W	DIRT	Niton	XL3t	9/18/2012	60	0		0		16.01	6.78	108	14.93	0		0		1939	135.13	2.524062	0.036588	0
GFL021 29+75W	DIRT	Niton	XL3t	9/18/2012	60	0		0		23.4	7.22	79	13.44	0		0		1061	106.02	3.009468	0.039631	0
GFL021 30+00W	DIRT	Niton	XL3t	9/18/2012	60	0		0		21.27	7.17	117	15.26	0		0		1613	125.99	2.792001	0.038614	0
GFL021 30+25W	DIRT	Niton	XL3t	9/18/2012	60	0		0		32.45	7.91	101	14.59	0		0		1755	130.38	2.609335	0.037395	0

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
GFL021 30+50W	DIRT	Niton	XL3t	9/18/2012	60	0		35.57	17.51	31.71	7.92	98	14.2	0		202.13	113.23	752	94.82	3.504767	0.042989	0
GFL021 30+75W	DIRT	Niton	XL3t	9/18/2012	60	0		0		23.28	7.28	117	15.27	0		0		1716	128.32	2.83924	0.03858	0
GFL021 31+00W	DIRT	Niton	XL3t	9/18/2012	60	0		0		20.15	6.87	57	11.57	0		0		302	66.65	2.085936	0.032269	0
GFL021 31+25W	DIRT	Niton	XL3t	9/18/2012	60	0		26.14	16.88	27.14	7.49	80	13.38	0		0		1195	110.04	2.864777	0.038614	10.27
GFL021 31+50W	DIRT	Niton	XL3t	9/18/2012	60	0		0		20.28	6.93	89	13.7	0		0		1049	103.09	2.499411	0.035768	0
GFL021 31+75W	DIRT	Niton	XL3t	9/18/2012	60	0		29.2	16.97	29.09	7.58	116	14.98	0		0		1836	131.18	2.816148	0.038262	12.21
GFL021 32+00W	DIRT	Niton	XL3t	9/18/2012	60	0		44.73	17.66	35.55	7.92	98	14.23	0		0		1711	126.27	2.490287	0.03577	0
GFL021 32+25W	DIRT	Niton	XL3t	9/18/2012	60	0		28.06	16.54	25.42	7.21	157	16.84	0		0		1572	120.31	2.227247	0.033574	8.87
GFL022 00+00	DIRT	Niton	XL3t	9/24/2012	60	0		33.53	16.84	14.38	6.45	85	13.37	0		0		1616	121.71	2.148532	0.033026	0
GFL022 00+25E	DIRT	Niton	XL3t	9/24/2012	60	0		0		17.71	6.59	87	13.19	0		130.1	84.41	1530	117.08	2.056166	0.031949	0
GFL022 00+50E	DIRT	Niton	XL3t	9/24/2012	60	0		0		18.56	6.73	74	12.41	0		0		1615	119.99	2.136105	0.032518	0
GFL022 00+75E	DIRT	Niton	XL3t	9/24/2012	60	0		0		10.14	6.22	68	12.35	0		0		1600	121.75	2.121126	0.033058	9.77
GFL022 01+00E	DIRT	Niton	XL3t	9/24/2012	60	0		0		51.91	9.32	139	16.69	0		169.19	112.64	2035	141.95	3.386215	0.042984	0
GFL022 01+25E	DIRT	Niton	XL3t	9/24/2012	60	0		33.53	18.25	45.54	9	146	17.32	0		0		2476	156.43	3.244623	0.042703	0
GFL022 01+75E	DIRT	Niton	XL3t	9/24/2012	60	0		27.44	16.49	16.37	6.63	92	13.72	0		0		959	98	2.013963	0.031922	0
GFL022 02+00E	DIRT	Niton	XL3t	9/24/2012	60	0		30.39	17.05	31.84	7.84	111	14.92	0		0		1434	118.32	2.601707	0.036787	0
GFL022 02+25E	DIRT	Niton	XL3t	9/24/2012	60	0		32.48	17.2	27.23	7.57	109	14.94	0		0		1808	130.51	2.648858	0.037155	0
GFL022 02+50E	DIRT	Niton	XL3t	9/24/2012	60	0		0		36.74	7.98	132	15.62	0		0		1611	121.63	2.486717	0.035448	10
GFL022 02+75E	DIRT	Niton	XL3t	9/24/2012	60	0		33.85	17.03	24.9	7.3	112	14.84	0		0		1160	107.72	2.493218	0.035787	0
GFL022 03+00E	DIRT	Niton	XL3t	9/24/2012	60	0		35.39	16.93	29.75	7.48	121	15.2	0		0		1600	122.1	2.525442	0.035797	0
GFL022 03+25E	DIRT	Niton	XL3t	9/24/2012	60	0		27.52	16.46	30.33	7.58	116	14.87	0		0		1372	113.57	2.357326	0.034477	0
GFL022 03+50E	DIRT	Niton	XL3t	9/24/2012	60	0		28.59	16.5	34.11	7.75	87	13.31	50.75	32.4	0		1207	107.46	2.309743	0.034053	0
GFL022 03+75E	DIRT	Niton	XL3t	9/24/2012	60	0		0		30.25	7.57	100	14.11	0		174.2	90.96	1160	106.69	2.295488	0.034228	0
GFL022 04+00E	DIRT	Niton	XL3t	9/24/2012	60	0		33.09	17.55	48.71	8.96	174	18	0		0		2083	141.17	3.004618	0.04003	0
GFL022 04+25E	DIRT	Niton	XL3t	9/18/2012	60	0		41.87	18.23	74.96	10.44	132	16.28	0		0		1651	129.65	3.442268	0.043216	16.2
GFL022 04+50E	DIRT	Niton	XL3t	9/18/2012	60	0		49.68	18.66	57.02	9.5	156	17.55	0		0		2426	152.3	3.394598	0.042908	13.13
GFL022 04+75E	DIRT	Niton	XL3t	9/18/2012	60	0		52.77	19.48	51.68	9.41	163	18.18	0		0		1981	144.29	4.173298	0.048619	26.29
GFL022 05+00E	DIRT	Niton	XL3t	9/18/2012	60	0		75.4	19.77	17.99	6.91	143	16.72	0		0		3158	169.62	3.45286	0.042862	21.09
GFL022 05+25E	DIRT	Niton	XL3t	9/18/2012	60	0		108.87	22.55	27.25	8	147	17.68	0		0		3622	189.39	4.597586	0.051433	19.89
GFL022 05+50E	DIRT	Niton	XL3t	9/18/2012	60	0		39.06	17.39	16.95	6.76	82	13.45	0		0		1201	108.68	2.326397	0.034603	0
GFL022 05+75E	DIRT	Niton	XL3t	9/18/2012	60	0		37.52	18.22	78.7	10.78	209	19.89	0		0		4348	200.4	3.763996	0.04564	19.75
GFL022 06+00E	DIRT	Niton	XL3t	9/18/2012	60	0		29.67	17.66	46.87	8.94	213	19.9	0		0		4435	201.1	3.496826	0.043881	10.95
GFL022 06+25E	DIRT	Niton	XL3t	9/18/2012	60	0		0		29.24	7.6	106	14.64	0		0		1135	107.04	2.497806	0.03602	0
GFL022 06+50E	DIRT	Niton	XL3t	9/18/2012	60	0		26.43	16.95	39.95	8.26	138	16.34	0		0		1776	129.8	2.652883	0.037375	0
GFL022 06+75E	DIRT	Niton	XL3t	9/18/2012	60	0		0		33.54	7.83	125	15.66	0		0		2086	137.56	2.457792	0.035716	0
GFL022 07+00E	DIRT	Niton	XL3t	9/18/2012	60	0		0		28.98	7.53	124	15.34	56	32.97	0		1213	109.08	2.614816	0.036457	12.71
GFL022 07+25E	DIRT	Niton	XL3t	9/18/2012	60	0		0		24.85	7.35	133	15.95	0		0		1180	108.78	2.49626	0.035955	12.91
GFL022 07+50E	DIRT	Niton	XL3t	9/18/2012	60	0		0		31.26	7.58	113	14.77	0		0		1692	124.15	2.368818	0.034631	0
GFL022 07+75E	DIRT	Niton	XL3t	9/18/2012	60	0		0		42.03	8.31	118	15.12	0		0		2276	142.97	2.460499	0.035625	0
GFL022 08+00E	DIRT	Niton	XL3t	9/18/2012	60	0		0		25.67	7.2	73	12.38	0		0		850	91.91	1.88362	0.030572	0
GFL022 08+25E	DIRT	Niton	XL3t	9/22/2012	60	0		0		31.59	7.56	84	13.16	0		0		1071	100.87	1.987713	0.031436	0
GFL022 08+50E	DIRT	Niton	XL3t	9/22/2012	60	0		30.66	16.36	26.57	7.24	104	14.09	0		0		1623	120.42	2.129781	0.032517	10.16
GFL022 08+75E	DIRT	Niton	XL3t	9/22/2012	0	0		0		0		0		0		0		0		0		0
GFL022 08+75E	DIRT	Niton	XL3t	9/22/2012	60	0		31.21	17.03	23.91	7.27	125	15.52	0		0		2643	153.44	2.496246	0.036067	0
GFL022 09+00E	DIRT	Niton	XL3t	9/22/2012	60	0		0		40.5	8.23	120	15.27	0		0		1964	133.59	2.422151	0.035261	10.64

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
GFL022 09+25E	DIRT	Niton	XL3t	9/22/2012	60	0		0		15.8	6.55	116	14.77	0		0		1809	127.24	2.056589	0.032245	10.04
GFL022 09+50E	DIRT	Niton	XL3t	9/22/2012	60	0		0		23.25	7.06	151	16.7	0		0		1923	131.51	2.172541	0.03331	0
GFL022 09+75E	DIRT	Niton	XL3t	9/22/2012	60	0		28.82	16.33	20.7	6.89	132	15.47	0		0		1422	114.25	2.067584	0.032113	0
GFL022 10+00E	DIRT	Niton	XL3t	9/22/2012	60	0		28.6	16.47	20.05	6.81	132	15.69	0		0		1422	115.04	2.165441	0.033024	0
GFL022 10+25E	DIRT	Niton	XL3t	9/22/2012	60	0		0		29.63	7.38	123	15.19	0		0		1469	116.37	2.081405	0.032368	0
GFL022 10+50E	DIRT	Niton	XL3t	9/22/2012	60	0		0		27.05	7.58	201	19.03	53.31	33.27	0		2294	145.33	2.464515	0.036158	0
GFL022 10+75E	DIRT	Niton	XL3t	9/22/2012	60	0		0		19.62	6.8	196	18.36	0		0		1037	100.2	1.951937	0.031326	0
GFL022 11+00E	DIRT	Niton	XL3t	9/22/2012	60	0		0		23.85	7.2	169	17.53	0		0		1339	113.39	2.346632	0.034728	12.03
GFL022 11+25E	DIRT	Niton	XL3t	9/20/2012	60	0		0		31.65	7.74	184	18.21	0		0		1422	117.18	2.483248	0.03586	11.94
GFL022 11+50E	DIRT	Niton	XL3t	9/20/2012	60	0		25.87	16.69	21.73	7.05	64	12.4	0		0		273	66.04	2.089634	0.032744	0
GFL022 11+75E	DIRT	Niton	XL3t	9/20/2012	60	0		29.2	17.23	64.45	9.67	311	23.09	0		0		2066	138.94	2.694505	0.037721	23.71
GFL022 12+00E	DIRT	Niton	XL3t	9/20/2012	60	0		32.83	17.48	64.63	9.81	195	18.97	0		0		1231	112.9	2.796938	0.038595	71.49
GFL022 12+25E	DIRT	Niton	XL3t	9/20/2012	60	0		0		49.96	8.89	179	18.18	0		0		1451	119.37	2.649375	0.037321	25.93
GFL022 12+50E	DIRT	Niton	XL3t	9/20/2012	60	0		0		33.9	7.91	143	16.34	0		0		1448	117.86	2.446258	0.035554	20.6
GFL022 12+75E	DIRT	Niton	XL3t	9/20/2012	60	0		0		22.72	7.17	119	15.09	0		0		931	99.24	2.692132	0.037215	29.89
GFL022 13+00E	DIRT	Niton	XL3t	9/20/2012	60	0		51.8	18.43	53.24	9.03	219	19.86	0		0		2583	153.83	2.768249	0.038237	28.4
GFL022 13+25E	DIRT	Niton	XL3t	9/20/2012	60	0		28.12	16.7	28.4	7.48	133	15.88	0		0		1366	114.36	2.525059	0.035938	16.05
GFL022 13+50E	DIRT	Niton	XL3t	9/20/2012	60	0		38.09	17.95	58.1	9.47	188	18.68	0		0		2491	154.09	3.483517	0.043291	18.59
GFL022 13+75E	DIRT	Niton	XL3t	9/20/2012	60	0		32.82	17.31	26.32	7.43	106	14.72	0		0		1160	108.69	2.503574	0.036224	12.71
GFL022 14+00E	DIRT	Niton	XL3t	9/20/2012	60	0		32.93	17.4	34.71	7.98	125	15.85	0		0		905	99.44	2.59644	0.036966	0
GFL022 14+25E	DIRT	Niton	XL3t	9/20/2012	60	0		34.04	18.03	41.69	8.83	91	14.36	0		0		779	98.38	3.221533	0.042167	51.93
GFL022 14+50E	DIRT	Niton	XL3t	9/20/2012	60	0		30.04	18.05	38.18	8.47	271	22.38	0		0		2972	168.74	3.050809	0.041335	12.43
GFL022 14+75E	DIRT	Niton	XL3t	9/20/2012	60	0		0		29.62	7.68	159	17.25	0		0		1333	115.76	2.777042	0.038339	12.02
GFL022 15+00E	DIRT	Niton	XL3t	9/20/2012	60	0		27.62	17.81	49.95	9.26	283	22.75	0		0		3778	188.39	3.455919	0.043912	17.73
GFL022 15+25E	DIRT	Niton	XL3t	9/23/2012	60	0		0		29.84	7.57	132	15.82	0		0		992	101.18	2.603681	0.036456	11.86
GFL022 15+50E	DIRT	Niton	XL3t	9/23/2012	60	0		0		31.32	7.66	145	16.39	0		0		1659	123.94	2.143137	0.033185	0
GFL022 15+75E	DIRT	Niton	XL3t	9/23/2012	60	0		43.15	17.62	31.8	7.78	192	18.59	0		0		2714	154.76	2.448355	0.035615	0
GFL022 16+00E	DIRT	Niton	XL3t	9/23/2012	60	0		0		18.87	6.89	136	15.93	0		0		1908	131.76	2.454883	0.035423	10.99
GFL022 16+50E	DIRT	Niton	XL3t	9/23/2012	60	0		27.9	17.02	32.82	7.86	121	15.5	0		0		1145	108.28	2.644546	0.037218	12.22
GFL022 16+75E	DIRT	Niton	XL3t	9/23/2012	60	0		0		39.9	8.36	161	17.24	0		0		2114	140.48	2.755539	0.038119	13.5
GFL022 17+00E	DIRT	Niton	XL3t	9/23/2012	60	0		0		28.8	7.47	113	14.57	0		0		1141	104.79	2.287991	0.033769	0
GFL022 17+25E	DIRT	Niton	XL3t	9/23/2012	60	0		0		29.99	7.59	102	14.47	0		0		1071	104.62	2.456268	0.03561	0
GFL022 17+50E	DIRT	Niton	XL3t	9/23/2012	60	0		40.5	18.16	37.59	8.26	187	18.85	0		0		2440	151.84	3.002146	0.040247	0
GFL022 17+75E	DIRT	Niton	XL3t	9/23/2012	60	0		0		29.89	7.83	302	23.18	0		0		2356	149.01	2.46495	0.036729	0
GFL022 18+00E	DIRT	Niton	XL3t	9/23/2012	60	0		0		30.41	7.8	225	20.22	0		0		1688	128.71	2.622161	0.037553	0
GFL022 18+25E	DIRT	Niton	XL3t	9/23/2012	60	0		36.14	17.57	36.12	8.16	102	14.56	52	33.91	0		1758	130.09	2.738071	0.037981	11.09
GFL022 18+50E	DIRT	Niton	XL3t	9/23/2012	60	0		38.14	17.19	41.75	8.35	96	13.96	0		0		1074	103.82	2.35564	0.034638	0
GFL022 18+75E	DIRT	Niton	XL3t	9/23/2012	60	0		0		21.03	6.87	86	13.14	0		0		1382	112.15	2.054477	0.031889	0
GFL022 19+00E	DIRT	Niton	XL3t	9/23/2012	60	0		33.97	17.23	20.7	7.03	107	14.85	0		0		904	97.87	2.483678	0.035852	0
GFL022 19+25E	DIRT	Niton	XL3t	9/23/2012	60	0		0		22.99	7.11	217	19.39	0		0		3741	179.04	2.476581	0.035872	0
GFL022 19+50E	DIRT	Niton	XL3t	9/23/2012	60	0		0		31.49	7.9	177	18.08	0		0		2709	156.77	2.77565	0.038321	0
GFL022 19+75E	DIRT	Niton	XL3t	9/25/2012	60	0		0		27.73	7.5	129	15.72	0		0		1336	113.52	2.159363	0.033417	0
GFL022 20+00E	DIRT	Niton	XL3t	9/25/2012	60	0		0		18.23	6.79	115	14.79	0		0		1060	101.72	2.021151	0.031977	0
GFL022 20+25E	DIRT	Niton	XL3t	9/25/2012	60	0		0		32.31	7.81	156	16.94	0		0		383	74.62	2.756916	0.037675	0
GFL022 20+50E	DIRT	Niton	XL3t	9/25/2012	60	0		0		14.09	6.59	143	16.61	0		0		1786	129.57	2.197839	0.034103	0

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
GFL022 20+75E	DIRT	Niton	XL3t	9/25/2012	60	0		0		16.26	6.5	66	11.99	0		0		800	88.92	1.58487	0.027899	0
GFL022 21+00E	DIRT	Niton	XL3t	9/25/2012	60	0		0		0		76	12.47	0		0		1913	127.83	1.542303	0.02771	0
GFL022 21+25E	DIRT	Niton	XL3t	9/25/2012	60	0		0		11.97	6.03	39	10.19	0		0		206	56.72	1.287303	0.024877	0
GFL022 21+50E	DIRT	Niton	XL3t	9/25/2012	60	0		28.54	16.64	10.97	6.29	107	14.53	0		0		947	98.07	2.110169	0.032769	0
GFL022 21+75E	DIRT	Niton	XL3t	9/25/2012	60	0		25.68	16.48	16.28	6.65	88	13.51	0		0		728	89.34	2.317375	0.034287	0
GFL022 22+00E	DIRT	Niton	XL3t	9/25/2012	60	0		0		0		83	13.3	0		0		845	93.36	2.018041	0.032076	8.72
GFL022 22+25E	DIRT	Niton	XL3t	9/12/2012	60	0		0		12.89	6.26	82	12.86	0		0		1241	106.35	1.834683	0.03004	0
GFL022 22+50E	DIRT	Niton	XL3t	9/12/2012	60	0		0		0		104	14.13	0		0		1065	100.64	1.958286	0.031166	7.85
GFL022 22+75E	DIRT	Niton	XL3t	9/12/2012	60	0		0		12.68	6.25	62	12.23	0		0		751	89.64	1.977646	0.031886	0
GFL022 23+00E	DIRT	Niton	XL3t	9/12/2012	60	0		39.68	17.73	16.12	6.73	55	11.88	0		0		460	77.66	2.303779	0.034792	0
GFL022 23+25E	DIRT	Niton	XL3t	9/12/2012	60	0		29.1	16.23	0		66	12.13	0		0		307	65.52	1.733685	0.029281	0
GFL022 23+50E	DIRT	Niton	XL3t	9/12/2012	60	0		36.33	17.28	14.31	6.48	123	15.45	0		0		2323	144.32	2.265937	0.034367	0
GFL022 23+75E	DIRT	Niton	XL3t	9/12/2012	60	0		0		10.72	6.25	105	14.37	0		0		997	100.25	2.218102	0.033643	0
GFL022 24+00E	DIRT	Niton	XL3t	9/12/2012	60	0		0		19.1	6.85	74	12.79	0		0		342	69.27	2.086888	0.032486	0
GFL022 24+25E	DIRT	Niton	XL3t	9/12/2012	60	0		0		15.42	6.62	108	14.72	0		0		1413	116.76	2.268052	0.034352	0
GFL022 24+50E	DIRT	Niton	XL3t	9/12/2012	60	0		0		11.94	6.25	82	13.16	0		0		1364	113.17	2.218614	0.033515	0
GFL022 24+75E	DIRT	Niton	XL3t	9/12/2012	60	0		38.07	17.22	12.38	6.36	85	13.38	0		0		1491	118.76	2.311197	0.034497	0
GFL022 25+00E	DIRT	Niton	XL3t	9/12/2012	60	0		0		16.68	6.73	70	12.61	0		169.2	93.89	1353	114.14	2.44735	0.035455	0
GFL022 25+25E	DIRT	Niton	XL3t	9/12/2012	60	0		0		16.73	6.8	92	13.86	0		0		1139	107.57	2.575845	0.036673	0
GFL022 25+50E	DIRT	Niton	XL3t	9/12/2012	60	0		27.97	16.65	14.4	6.48	94	13.97	0		0		1308	111.95	2.312713	0.034413	0
GFL022 25+75E	DIRT	Niton	XL3t	9/12/2012	60	0		0		17.81	6.75	96	13.84	0		0		2049	135.77	2.5671	0.036162	0
GFL022 26+00E	DIRT	Niton	XL3t	9/12/2012	60	0		28.78	17.27	25.6	7.53	125	15.82	0		0		2391	149.03	2.680407	0.037858	0
GFL022 26+25E	DIRT	Niton	XL3t	9/12/2012	60	0		0		14.96	6.44	86	13.49	0		0		1182	107.17	2.313662	0.034333	0
GFL022 26+50E	DIRT	Niton	XL3t	9/12/2012	60	0		26.56	16.1	0		62	11.92	0		0		876	93.53	1.974007	0.031261	0
GFL022 26+75E	DIRT	Niton	XL3t	9/12/2012	60	0		0		17.02	6.59	78	12.82	0		0		890	94.3	2.107678	0.032294	0
GFL023 00+00	DIRT	Niton	XL3t	9/18/2012	60	0		0		18.09	6.7	86	13.18	0		0		1251	109.02	2.424874	0.034886	0
GFL023 00+25W	DIRT	Niton	XL3t	9/18/2012	60	0		43.5	17.79	29.3	7.61	86	13.76	0		0		1271	113.56	2.961686	0.039323	0
GFL023 00+50W	DIRT	Niton	XL3t	9/18/2012	60	0		0		0		39	10.37	0		0		120	53.72	1.687355	0.029032	0
GFL023 00+75W	DIRT	Niton	XL3t	9/18/2012	60	0		0		19.14	6.81	100	13.97	0		0		1319	110.87	1.979395	0.031634	0
GFL023 01+00W	DIRT	Niton	XL3t	9/18/2012	60	0		0		20.39	6.77	127	15.41	0		0		860	93.19	2.098442	0.032354	0
GFL023 01+25W	DIRT	Niton	XL3t	9/18/2012	60	0		0		20.4	7.18	106	14.76	0		0		591	86.86	3.096108	0.040474	0
GFL023 01+50W	DIRT	Niton	XL3t	9/18/2012	60	0		35.47	17.26	10.88	6.33	95	14.01	0		0		1744	127.42	2.39335	0.035211	0
GFL023 01+75W	DIRT	Niton	XL3t	9/18/2012	60	0		61.67	19.23	12.78	6.52	105	15	0		0		1455	120.98	2.746562	0.038406	0
GFL023 02+00W	DIRT	Niton	XL3t	9/18/2012	60	0		0		21.87	7.19	116	15.2	0		0		708	90.73	2.592955	0.036936	0
GFL023 02+25W	DIRT	Niton	XL3t	9/18/2012	60	0		89.68	19.71	10.3	6.28	57	11.73	0		0		781	90.69	1.975035	0.031663	0
GFL023 02+50W	DIRT	Niton	XL3t	9/18/2012	60	0		37.25	17.03	32.43	7.66	74	12.78	0		0		955	98.09	2.256983	0.033785	0
GFL023 02+75W	DIRT	Niton	XL3t	9/18/2012	60	0		0		11.78	6.26	66	12.16	0		0		336	67.4	1.979434	0.031385	0
GFL023 03+00W	DIRT	Niton	XL3t	9/18/2012	60	0		0		16.06	6.54	81	13.27	0		0		319	69.41	2.490301	0.035682	0
GFL023 03+25W	DIRT	Niton	XL3t	9/18/2012	60	0		32.04	17.07	18.06	6.84	75	13.05	0		0		315	71.51	2.977234	0.039216	0
GFL023 03+50W	DIRT	Niton	XL3t	9/18/2012	60	0		25.51	16.29	20.08	6.84	50	11.29	0		0		270	64.99	2.128926	0.032742	0
GFL023 03+75W	DIRT	Niton	XL3t	9/18/2012	60	0		36.25	16.96	27.61	7.4	54	11.61	0		0		276	64.33	1.861859	0.030632	0
GFL023 04+00W	DIRT	Niton	XL3t	9/18/2012	60	0		0		27.27	7.39	77	13.04	0		0		737	91.34	2.803134	0.038032	0
GFL023 04+25W	DIRT	Niton	XL3t	9/18/2012	60	0		0		15.69	6.63	67	12.13	0		0		489	77.86	2.399911	0.034766	0
GFL023 04+50W	DIRT	Niton	XL3t	9/18/2012	60	0		0		20.55	6.86	42	10.61	0		0		1105	103.36	2.14188	0.032873	0
GFL023 04+75W	DIRT	Niton	XL3t	9/18/2012	60	0		0		13.27	6.43	94	13.83	0		0		344	69.92	2.441045	0.035057	9.14

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
GFL023 05+00W	DIRT	Niton	XL3t	9/18/2012	60	0		0		20.34	7.04	102	14.51	0		186.87	110.16	539	84.86	3.286931	0.041814	0
GFL023 05+25W	DIRT	Niton	XL3t	9/18/2012	60	0		0		17.58	6.85	73	12.96	0		0		375	73.61	2.36045	0.03525	0
GFL023 05+50W	DIRT	Niton	XL3t	9/18/2012	60	0		0		26.84	7.47	75	12.79	0		0		307	70.42	2.84273	0.038447	10.64
GFL023 05+75W	DIRT	Niton	XL3t	9/18/2012	60	0		0		20.91	7.08	79	13.23	0		0		490	81.25	3.071484	0.04022	0
GFL023 06+00W	DIRT	Niton	XL3t	9/18/2012	60	0		0		20.01	6.94	80	13.08	0		0		504	79.07	2.362199	0.034785	10.44
GFL023 06+25W	DIRT	Niton	XL3t	9/18/2012	60	0		0		14.62	6.42	115	14.85	0		0		1327	111.08	2.055107	0.032129	0
GFL023 06+50W	DIRT	Niton	XL3t	9/18/2012	60	0		0		14.45	6.4	97	13.7	0		0		916	95.08	1.946943	0.031133	0
GFL023 06+75W	DIRT	Niton	XL3t	9/18/2012	60	0		0		19.95	6.91	92	13.94	0		0		1184	108.26	2.45983	0.035541	0
GFL023 07+00W	DIRT	Niton	XL3t	9/18/2012	60	0		0		15.39	6.61	64	12.18	0		0		439	75.27	2.138	0.033091	0
GFL023 07+25W	DIRT	Niton	XL3t	9/18/2012	60	0		0		24.28	7.11	93	13.63	0		0		843	92.55	1.952638	0.031317	0
GFL023 07+50W	DIRT	Niton	XL3t	9/18/2012	60	0		35.35	17.55	18.99	6.98	100	14.47	0		0		1186	108.95	2.166709	0.03388	0
GFL023 07+75W	DIRT	Niton	XL3t	9/18/2012	60	0		27.34	16.82	18.6	6.81	119	15.32	0		0		940	99.49	2.387667	0.035239	0
GFL023 08+00W	DIRT	Niton	XL3t	9/18/2012	60	0		0		13.33	6.4	122	15.32	0		0		790	91.33	2.129585	0.032826	0
GFL023 08+25W	DIRT	Niton	XL3t	9/18/2012	60	0		27.41	16.25	16.18	6.58	94	13.67	0		0		558	79.71	2.060782	0.032044	0
GFL023 08+50W	DIRT	Niton	XL3t	9/18/2012	60	0		27.2	16.74	13.39	6.53	109	14.76	0		0		1070	103.01	1.828033	0.030801	0
GFL023 08+75W	DIRT	Niton	XL3t	9/18/2012	60	0		0		24.43	7.31	93	13.95	0		0		1356	115.18	2.385196	0.035243	0
GFL023 09+00W	DIRT	Niton	XL3t	9/18/2012	60	0		0		35.09	8.03	91	14.06	0		0		1201	109.8	2.018755	0.032732	0
GFL023 09+25W	DIRT	Niton	XL3t	9/22/2012	60	0		0		20.55	6.91	67	12.33	0		0		759	90.38	2.206126	0.033362	0
GFL023 09+50W	DIRT	Niton	XL3t	9/22/2012	60	0		24.32	16.06	16.81	6.64	100	13.95	0		0		979	99.04	2.451989	0.03497	0
GFL023 09+75W	DIRT	Niton	XL3t	9/22/2012	60	0		34.1	17.02	24.58	7.2	115	14.94	0		0		1567	120.68	2.268604	0.034038	0
GFL023 10+00E	DIRT	Niton	XL3t	9/22/2012	60	0		30.8	17.1	17.43	6.83	95	14.19	0		0		357	72.65	2.608301	0.036821	0
GFL023 10+25E	DIRT	Niton	XL3t	9/22/2012	60	0		0		24.18	7.36	95	14.41	0		0		427	79.38	3.164752	0.041238	9.02
GFL023 10+50W	DIRT	Niton	XL3t	9/22/2012	60	0		0		23.01	7.25	107	14.72	0		0		381	74.43	2.68426	0.037516	12.29
GFL023 10+75W	DIRT	Niton	XL3t	9/22/2012	60	0		34.19	17.28	21.63	7.13	108	14.76	0		0		1550	121.53	2.343781	0.034943	0
GFL023 11+00W	DIRT	Niton	XL3t	9/22/2012	60	0		0		23.42	7.24	93	14.02	0		0		518	81.99	2.750507	0.037989	0
GFL023 11+25W	DIRT	Niton	XL3t	9/22/2012	60	0		0		22.26	7.09	103	14.46	60.46	33.41	0		675	88.22	2.552769	0.036331	9.4
GFL023 11+50W	DIRT	Niton	XL3t	9/22/2012	60	0		0		20.69	7.06	76	12.99	0		179.42	98.4	611	85.34	2.635258	0.037134	0
GFL023 11+75E	DIRT	Niton	XL3t	9/22/2012	60	0		29.37	17.09	27.03	7.46	75	13.13	0		0		384	74.96	2.69789	0.037592	0
GFL023 12+00W	DIRT	Niton	XL3t	9/22/2012	60	0		29.4	17.46	11.75	6.5	91	14.15	0		0		697	90.85	2.621203	0.037606	0
GFL023 12+25W	DIRT	Niton	XL3t	9/22/2012	60	0		0		27.49	7.66	68	12.95	0		165.73	107.08	364	75.99	3.016577	0.040647	0
GFL023 12+50W	DIRT	Niton	XL3t	9/22/2012	60	0		26.64	16.7	21.12	7.04	85	13.57	0		205.73	92.53	442	75.97	2.307996	0.034564	0
GFL023 12+75W	DIRT	Niton	XL3t	9/22/2012	60	0		0		15.55	6.59	48	11.11	0		0		307	67.84	2.176269	0.033428	9.47
GFL023 13+00W	DIRT	Niton	XL3t	9/22/2012	60	0		0		10.05	5.95	45	10.37	0		0		176	54.54	1.293969	0.024826	0
GFL023 13+25W	DIRT	Niton	XL3t	9/22/2012	60	0		26.45	16.55	0		48	11.21	0		0		200	59.21	1.65286	0.029007	0
GFL023 13+50W	DIRT	Niton	XL3t	9/22/2012	60	0		0		14.35	6.29	60	11.51	0		0		379	68.78	1.757501	0.029239	0
GFL023 13+75W	DIRT	Niton	XL3t	9/22/2012	60	0		0		15.78	6.65	60	11.94	0		0		272	64.33	1.763056	0.030065	0
GFL023 14+25W	DIRT	Niton	XL3t	9/22/2012	60	0		0		19.68	6.74	97	13.9	0		0		926	96.33	2.091005	0.032432	0
GFL023 14+50W	DIRT	Niton	XL3t	9/22/2012	60	0		39.2	17.13	16.13	6.63	104	14.35	0		0		1318	111.41	2.097311	0.032644	0
GFL023 14+75W	DIRT	Niton	XL3t	9/22/2012	60	0		25.6	16.36	11.75	6.23	57	11.62	0		0		670	85.25	1.67717	0.029172	0
GFL023 15+00W	DIRT	Niton	XL3t	9/22/2012	60	0		0		10.51	6.22	121	15.35	0		0		893	96.96	2.329509	0.034696	0
GFL023 15+25W	DIRT	Niton	XL3t	9/22/2012	60	0		35.38	16.96	23.99	7.1	115	14.85	0		0		2078	135.36	2.131309	0.032935	0
GFL023 15+50W	DIRT	Niton	XL3t	9/22/2012	60	0		26.96	16.46	28.55	7.45	68	12.31	0		0		665	86.48	2.461886	0.03527	0
GFL023 15+75W	DIRT	Niton	XL3t	9/22/2012	60	0		0		26.61	7.81	67	13.13	0		0		652	91.33	2.243818	0.035945	0
GFL023 16+00W	DIRT	Niton	XL3t	9/22/2012	60	0		0		18.39	6.8	94	13.81	0		0		450	77.2	2.798166	0.037743	0
GFL023 16+25W	ROCK	Niton	XL3t	9/25/2012	60	0		0		17.33	6.84	64	12.49	0		0		313	69.82	2.216126	0.034234	0

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
GFL023 16+50W	ROCK	Niton	XL3t	9/25/2012	60	0		28.15	17.44	24.64	7.45	118	15.63	0		0		570	87.03	3.306863	0.042362	0
GFL023 16+75W	ROCK	Niton	XL3t	9/25/2012	60	0		27.59	16.89	22.87	7.11	91	13.89	0		0		1434	116.88	2.075954	0.032906	0
GFL023 17+00W	ROCK	Niton	XL3t	9/25/2012	60	0		27.08	16.91	20.51	6.98	91	13.91	0		0		600	85.06	2.666124	0.037297	0
GFL023 17+25W	ROCK	Niton	XL3t	9/25/2012	60	0		38.63	18.09	31.76	7.86	100	14.7	62	35.07	0		653	91.27	3.482394	0.04315	0
GFL023 17+50W	ROCK	Niton	XL3t	9/25/2012	60	0		54.76	18.59	29.27	7.67	96	14.33	0		0		777	95.05	3.26166	0.041352	0
GFL023 17+75W	ROCK	Niton	XL3t	9/25/2012	60	0		0		16.8	6.6	138	16.08	0		0		834	94.15	2.331759	0.034565	0
GFL023 18+00W	ROCK	Niton	XL3t	9/25/2012	60	0		0		21.52	7.04	113	14.98	0		0		515	80.55	2.586233	0.036565	0
GFL024 00+00	DIRT	Niton	XL3t	9/24/2012	60	0		0		21.84	7.07	103	14.39	0		0		1702	126.67	2.852168	0.038402	0
GFL024 00+25W	DIRT	Niton	XL3t	9/24/2012	60	0		0		17.25	6.7	93	13.72	0		0		1195	108.1	2.397585	0.034899	9.36
GFL024 00+50W	DIRT	Niton	XL3t	9/24/2012	60	0		0		15.3	6.49	93	13.76	0		0		847	94.11	2.475823	0.035463	0
GFL024 00+75W	DIRT	Niton	XL3t	9/24/2012	60	0		0		19.58	6.91	138	16.1	0		0		1397	115.74	2.39069	0.035155	0
GFL024 01+00W	DIRT	Niton	XL3t	9/24/2012	60	0		39.9	18.1	25.79	7.52	73	13.12	0		0		877	99.26	2.790146	0.038799	0
GFL024 01+25W	DIRT	Niton	XL3t	9/24/2012	60	0		0		21.76	7.12	155	17.15	0		0		2055	138.68	2.798201	0.038448	0
GFL024 01+50W	DIRT	Niton	XL3t	9/24/2012	60	0		0		14.76	6.7	157	17.61	0		0		2461	152.81	2.959198	0.04016	0
GFL024 01+75W	DIRT	Niton	XL3t	9/24/2012	60	0		0		12.26	6.27	47	11	0		0		206	60.21	1.977038	0.031444	0
GFL024 02+00W	DIRT	Niton	XL3t	9/24/2012	60	0		0		12.83	6.36	79	13	0		0		1251	109.56	2.156728	0.033125	0
GFL024 02+25W	DIRT	Niton	XL3t	9/24/2012	60	6.36	3.81	50.77	18.16	21.98	7.08	56	11.9	0		0		1576	123.27	2.867744	0.038651	0
GFL024 02+50W	DIRT	Niton	XL3t	9/24/2012	60	0		26.6	16.81	24.58	7.28	106	14.75	0		0		1931	133.59	2.622802	0.036974	0
GFL024 02+75W	DIRT	Niton	XL3t	9/24/2012	60	0		0		19.01	6.81	69	12.56	0		0		1344	114.64	2.494755	0.036019	0
GFL024 03+00W	DIRT	Niton	XL3t	9/24/2012	60	0		25.47	16.56	24.74	7.26	80	13.07	0		0		1485	119.42	2.642196	0.036956	0
GFL024 03+25W	DIRT	Niton	XL3t	9/24/2012	60	0		0		24.86	7.15	67	12.4	0		0		701	89.39	2.702485	0.037136	0
GFL024 03+50W	DIRT	Niton	XL3t	9/24/2012	60	0		0		27.83	7.67	75	13.56	0		0		979	103.72	2.286872	0.035617	0
GFL024 03+75W	DIRT	Niton	XL3t	9/24/2012	60	0		0		23.81	7.21	99	14.37	0		151.3	94.95	1240	111.07	2.474488	0.035975	0
GFL024 04+00W	DIRT	Niton	XL3t	9/24/2012	60	0		28.87	16.49	11.5	6.24	68	12.35	0		0		364	71.49	2.400841	0.034837	0
GFL024 04+25W	DIRT	Niton	XL3t	9/24/2012	60	0		0		29.08	7.69	76	13.21	0		0		1125	109.55	3.079973	0.040721	0
GFL024 04+50W	DIRT	Niton	XL3t	9/24/2012	60	0		0		29.48	7.53	116	14.91	0		0		1483	118.64	2.903682	0.03839	0
GFL024 04+75W	DIRT	Niton	XL3t	9/24/2012	60	0		32.59	18	18.64	7.14	112	15.42	0		0		1360	119.92	2.992034	0.040641	10.08
GFL024 05+00W	DIRT	Niton	XL3t	9/25/2012	60	0		0		18.15	6.87	109	14.77	0		0		1915	134.12	2.67538	0.037459	0
GFL024 05+25W	DIRT	Niton	XL3t	9/25/2012	60	0		0		18.51	6.85	89	13.67	0		0		2231	141.41	2.236622	0.034062	0
GFL024 05+50W	DIRT	Niton	XL3t	9/25/2012	60	0		0		32.51	7.61	94	13.77	0		0		459	76.38	2.608477	0.036149	0
GFL024 05+75E	DIRT	Niton	XL3t	9/25/2012	60	0		0		24.17	7.08	58	11.78	0		0		389	71.65	2.154503	0.032829	0
GFL024 06+00E	DIRT	Niton	XL3t	9/25/2012	60	0		38.35	17.63	24.18	7.3	63	12.32	0		0		314	72.17	2.916372	0.039263	0
GFL024 06+25W	DIRT	Niton	XL3t	9/25/2012	60	0		0		28.01	7.52	75	13.04	0		0		393	77.35	3.55131	0.04297	10.84
GFL024 06+50W	DIRT	Niton	XL3t	9/25/2012	60	0		0		19.54	6.83	83	13.4	0		0		911	97.49	2.528981	0.035833	0
GFL024 06+75W	DIRT	Niton	XL3t	9/25/2012	60	0		0		32.06	7.86	75	13.46	54	34.9	0		308	74.95	3.73532	0.044887	0
GFL024 07+00W	DIRT	Niton	XL3t	9/25/2012	60	0		0		24.74	7.22	70	12.69	0		0		872	97.08	2.897995	0.038617	0
GFL024 07+25W	DIRT	Niton	XL3t	9/25/2012	60	0		24.88	16.49	17.11	6.63	77	13.11	0		0		455	78.1	2.860623	0.038241	0
GFL024 07+50W	DIRT	Niton	XL3t	9/25/2012	60	0		0		10.5	6.18	97	13.98	0		0		700	89.67	2.715913	0.037406	10.84
GFL024 07+75W	DIRT	Niton	XL3t	9/25/2012	60	0		27.42	16.81	23.85	7.24	91	13.9	0		169.66	97.64	653	87.82	2.617238	0.036899	0
GFL024 08+00W	DIRT	Niton	XL3t	9/25/2012	60	0		0		21.18	7.14	91	13.88	0		0		370	76.15	3.47501	0.042675	0
GFL024 08+25W	DIRT	Niton	XL3t	9/25/2012	60	0		0		19.3	6.97	107	14.9	0		0		330	73.38	2.959582	0.039451	0
GFL024 08+50W	DIRT	Niton	XL3t	9/25/2012	60	0		0		23.65	7.15	86	13.43	0		0		552	80.42	2.19863	0.033368	0
GFL024 08+75W	DIRT	Niton	XL3t	9/25/2012	60	0		0		32.29	7.85	105	14.72	0		0		343	73.22	2.860929	0.038885	0
GFL024 09+00W	DIRT	Niton	XL3t	9/25/2012	60	0		0		23.58	7.09	112	14.84	0		0		533	81.6	2.792533	0.037748	0
GFL024 09+25W	DIRT	Niton	XL3t	9/25/2012	60	0		27.95	16.76	22.47	7.05	87	13.65	0		0		848	95.63	2.644165	0.036904	0

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
GFL024 09+50W	DIRT	Niton	XL3t	9/25/2012	60	0		0		20.77	7.04	69	12.65	0		0		699	90.05	2.648572	0.037309	0
GFL024 09+75W	DIRT	Niton	XL3t	9/25/2012	60	0		0		18.04	6.76	70	12.39	0		0		402	73.14	2.437411	0.034908	0
GFL024 10+00W	DIRT	Niton	XL3t	9/26/2012	60	0		28.85	17.23	18.73	7	64	12.45	0		0		312	71.45	2.818854	0.038659	0
GFL024 10+25W	DIRT	Niton	XL3t	9/26/2012	60	0		0		21.38	7.16	75	12.98	0		0		318	71.6	2.924672	0.039156	0
GFL024 10+50W	DIRT	Niton	XL3t	9/26/2012	60	0		0		24.11	7.38	83	14.05	0		0		1380	119.74	2.827275	0.039298	0
GFL024 10+75W	DIRT	Niton	XL3t	9/26/2012	60	0		0		35.73	7.9	77	13.18	0		0		392	73.8	2.5406	0.03597	0
GFL024 11+00W	DIRT	Niton	XL3t	9/26/2012	60	0		0		23.62	7.22	77	13.12	0		0		654	87.44	2.640487	0.036997	0
GFL024 11+25W	DIRT	Niton	XL3t	9/26/2012	60	0		0		27.62	7.57	91	14.23	0		0		751	94.61	3.095566	0.040665	0
GFL024 11+50W	DIRT	Niton	XL3t	9/26/2012	60	0		26.14	16.66	27.19	7.53	109	14.75	0		0		1401	116.95	2.726566	0.037512	0
GFL024 11+75W	DIRT	Niton	XL3t	9/26/2012	60	0		0		20.37	6.9	71	12.45	0		0		892	95.63	2.375118	0.034509	0
GFL024 12+00W	DIRT	Niton	XL3t	9/26/2012	60	0		0		21.61	7.09	85	13.42	0		0		469	78.43	2.785321	0.037748	0
GFL024 12+25W	DIRT	Niton	XL3t	9/26/2012	60	0		0		22.72	7.14	68	12.37	0		0		410	74.47	2.616231	0.036546	0
GFL024 12+50W	DIRT	Niton	XL3t	9/26/2012	60	0		0		26.12	7.36	99	14.05	0		0		953	99.12	2.465433	0.035457	0
GFL024 12+75W	DIRT	Niton	XL3t	9/26/2012	60	0		0		28.24	7.68	103	14.56	0		0		446	77.25	2.58456	0.036703	25.23
GFL024 13+00W	DIRT	Niton	XL3t	9/26/2012	60	0		0		29.71	7.52	74	12.56	0		0		950	97.92	2.502377	0.035381	22.25
GFL024 13+25W	DIRT	Niton	XL3t	9/25/2012	60	0		0		20.51	7.05	80	13.24	0		0		300	69.67	2.788495	0.037867	12.58
GFL024 13+50W	DIRT	Niton	XL3t	9/25/2012	60	0		0		46.33	8.9	76	13.27	0		0		1631	127.83	3.020803	0.040415	0
GFL024 13+75W	DIRT	Niton	XL3t	9/25/2012	60	0		0		25.1	7.2	94	13.81	0		0		1355	112.99	2.268253	0.033842	0
GFL024 14+00W	DIRT	Niton	XL3t	9/25/2012	60	0		24.93	16.51	14.58	6.52	79	13.06	0		0		952	98.84	2.396098	0.034954	7.9
GFL024 14+25W	DIRT	Niton	XL3t	9/25/2012	60	0		34.54	17.03	31.04	7.7	86	13.41	0		0		438	76.76	2.772818	0.037641	0
GFL024 14+50W	DIRT	Niton	XL3t	9/25/2012	60	0		0		18.43	6.8	107	14.59	0		0		993	100.8	2.766006	0.037418	0
GFL024 14+75W	DIRT	Niton	XL3t	9/25/2012	60	0		0		14.45	6.55	96	14.05	0		0		1432	117.93	2.807677	0.038061	7.91
GFL024 15+00W	DIRT	Niton	XL3t	9/25/2012	60	0		26.68	16.42	14.97	6.47	106	14.44	0		0		1474	116.98	2.394814	0.03474	8.81
GFL024 15+25W	DIRT	Niton	XL3t	9/25/2012	60	0		30.62	16.58	18.78	6.74	116	14.95	0		0		1296	110.93	2.403488	0.03482	0
GFL024 15+50W	DIRT	Niton	XL3t	9/25/2012	60	0		0		23.25	7.16	91	13.61	0		0		504	77.96	2.153706	0.032875	0
GFL024 15+75W	DIRT	Niton	XL3t	9/25/2012	60	0		0		26.26	7.62	73	13.39	0		0		526	82.65	2.231219	0.035079	0
GFL024 16+00W	DIRT	Niton	XL3t	9/25/2012	60	0		24.59	16.25	24.03	7.2	93	13.76	0		0		1723	124.66	2.285229	0.033919	15.75
GFL024 16+25W	DIRT	Niton	XL3t	9/25/2012	60	0		24.98	16.17	34.4	7.71	83	13.09	0		0		912	95.59	2.193183	0.033082	0
GFL024 16+50W	DIRT	Niton	XL3t	9/25/2012	60	0		0		20.22	6.87	94	13.93	0		0		565	82.24	2.204413	0.033621	0
GFL024 16+75W	DIRT	Niton	XL3t	9/25/2012	60	0		0		17.14	6.64	81	13.04	0		0		701	86.93	1.944949	0.031342	0
GFL024 17+00W	DIRT	Niton	XL3t	9/25/2012	60	0		0		22.52	7.11	85	13.48	0		0		1361	114.86	2.589249	0.036527	13.23
GFL024 17+25W	DIRT	Niton	XL3t	9/25/2012	60	0		25.17	16.71	16.41	6.73	91	13.72	0		0		1730	128.03	2.751701	0.037802	14.65
GFL024 17+50W	DIRT	Niton	XL3t	9/25/2012	60	0		37.19	17.03	22.17	7.06	126	15.42	0		0		2651	152.5	2.776362	0.03768	0
GFL024 17+75W	DIRT	Niton	XL3t	9/25/2012	60	0		32.17	16.63	9.43	6.04	106	14.28	0		0		1253	108.83	2.239954	0.033455	0
GFL025 00+00	DIRT	Niton	XL3t	8/6/2012	60		279		0	9.88	0	21	0		0		24608.9	105	263.94	0.052153	0.035406	8.38
GFL025 00+50W	DIRT	Niton	XL3t	8/6/2012	60		290.07		0		0	23	0		0		23533.48	135	169.29	0.051774	0.076228	
GFL025 01+00W	DIRT	Niton	XL3t	8/6/2012	60		252.91		0	9.83	0	25	0		0		23830.04	116	215.62	0.05217	0.048995	
GFL025 01+50W	DIRT	Niton	XL3t	8/6/2012	60		283.04		0	9.91	0	23	0		0		25563.82	111	287.18	0.053909	0.038504	
GFL025 02+00W	DIRT	Niton	XL3t	8/6/2012	60		265.36		0	10.06	0	24	0		0		25273.12	139	156.19	0.054358	0.077442	
GFL025 02+50W	DIRT	Niton	XL3t	8/6/2012	60		260.87		0	10.15	0	26	0		0		24452.54	119	77.58	0.053147	0.050392	
GFL025 03+00W	DIRT	Niton	XL3t	8/6/2012	60		233.68		0		0	23	0		0		21852.05	146	164.79	0.049611	0.094674	
GFL025 03+50W	DIRT	Niton	XL3t	8/6/2012	60		270.43		0	10.55	0	23	0		0		23483.77	108	300.33	0.051453	0.040029	
GFL025 04+00W	DIRT	Niton	XL3t	8/6/2012	60		244.01		0		0	24	0		0		24562.98	118	187.37	0.053085	0.048693	
GFL026 00+00	DIRT	Niton	XL3t	8/6/2012	60		275.1	26.04	0		0	25	0		0		24064.03	118	203.47	0.052072	0.051495	
GFL026 00+50E	DIRT	Niton	XL3t	8/6/2012	60		288.71		0		0	25	0		0		24795.25	111	172.75	0.053759	0.038607	

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
GFL026 01+00E	DIRT	Niton	XL3t	8/6/2012	60		246.72	26.29	0	10.09	0	23	0		0		22643.38	111	295.07	0.050477	0.041516	
GFL026 01+50E	DIRT	Niton	XL3t	8/6/2012	60		253.57		0	10.17	0	22	0		0		23970.88	112	92.86	0.052032	0.041977	
GFL026 02+00E	DIRT	Niton	XL3t	8/6/2012	60		230.03		0		0	22	0		0		23424.03	113	263.35	0.051889	0.045257	
GFL026 02+50E	DIRT	Niton	XL3t	8/6/2012	60		266.92		0		0	25	0		0		24046.31	131	267	0.052191	0.0684	
GFL026 03+00E	DIRT	Niton	XL3t	8/6/2012	60		257.17		0	10.37	0	24	0		0		20109.21	160	270	0.047945	0.118651	
GFL026 03+50E	DIRT	Niton	XL3t	8/6/2012	60		257.77		0		0	24	0		0		22634.05	152	229.11	0.050539	0.105116	
GFL026 04+00E	DIRT	Niton	XL3t	8/6/2012	60		263.8		0		0	23	0		0		22932.12	123	144.72	0.050898	0.058926	
GFL027 00+00	DIRT	Niton	XL3t	9/19/2012	60	0		29.43	16.73	68.94	9.74	209	19	0		0		2501	148.82	2.486569	0.035754	82.74
GFL027 00+25E	DIRT	Niton	XL3t	9/19/2012	60	0		27.57	16.73	40.85	8.24	180	18.04	0		0		1985	134.28	2.359232	0.034888	94
GFL027 00+50E	DIRT	Niton	XL3t	9/19/2012	60	0		27.9	16.27	36.38	7.86	107	14.34	0		0		2027	133.03	2.355053	0.034257	12.77
GFL027 00+75E	DIRT	Niton	XL3t	9/19/2012	60	0		27.47	16.63	54.62	8.93	131	15.68	0		0		2619	151.68	2.605501	0.036544	11.68
GFL027 01+00E	DIRT	Niton	XL3t	9/19/2012	60	0		0		24.55	7.31	120	15.27	0		0		1838	131.26	2.705514	0.037562	13.11
GFL027 01+25E	DIRT	Niton	XL3t	9/19/2012	60	0		0		21.91	6.93	96	13.8	0		0		1186	106.44	2.209253	0.033266	10.75
GFL027 01+50E	DIRT	Niton	XL3t	9/19/2012	60	0		0		21.92	7.07	128	15.54	0		0		1827	128.83	2.105338	0.032897	0
GFL027 01+75E	DIRT	Niton	XL3t	9/19/2012	60	0		33.29	16.73	31.68	7.71	101	14.06	0		132.73	88.03	2082	135.78	2.191502	0.033408	12.13
GFL027 02+00E	DIRT	Niton	XL3t	9/19/2012	60	0		0		40.38	8.15	86	13.47	0		0		1311	111.33	2.237746	0.033644	0
GFL027 02+25E	DIRT	Niton	XL3t	9/19/2012	60	0		0		37.59	8.06	86	13.35	0		0		1608	121.61	2.357696	0.03454	0
GFL027 02+50E	DIRT	Niton	XL3t	9/19/2012	60	0		30.6	16.89	60.31	9.42	104	14.4	0		0		1817	130.45	2.814103	0.038157	0
GFL027 02+75E	DIRT	Niton	XL3t	9/19/2012	60	0		0		34.86	8.08	96	14.12	0		0		1371	116.74	2.675492	0.037473	0
GFL027 03+00E	DIRT	Niton	XL3t	9/19/2012	60	0		44.7	17.48	37.33	8.1	132	15.63	0		0		1967	133.81	2.652905	0.036853	0
GFL027 03+25E	DIRT	Niton	XL3t	9/19/2012	60	0		0		33.26	7.93	122	15.61	0		0		1418	118.98	2.790071	0.038398	0
GFL027 03+50E	DIRT	Niton	XL3t	9/19/2012	60	0		0		25.63	7.23	117	14.79	0		0		785	91.14	2.335064	0.034246	0
GFL027 03+75E	DIRT	Niton	XL3t	9/19/2012	60	0		28.42	16.58	28.56	7.53	148	16.38	0		0		1618	123.08	2.68628	0.036985	14.26
GFL027 04+00E	DIRT	Niton	XL3t	9/19/2012	60	0		0		25.07	7.18	156	16.66	0		0		1743	125.34	2.287462	0.033852	10.18
GFL027 04+25E	DIRT	Niton	XL3t	9/19/2012	60	0		0		22.53	6.95	83	13.1	0		0		1109	103.65	2.445838	0.034897	0
GFL027 04+50E	DIRT	Niton	XL3t	9/19/2012	60	0		0		25.67	7.2	74	12.51	0		143.61	90.76	567	81.34	2.358195	0.034335	0
GFL027 04+75E	DIRT	Niton	XL3t	9/19/2012	60	0		24.59	16.13	29.01	7.33	117	14.72	0		0		1679	122.38	2.303482	0.033833	0
GFL027 05+00E	DIRT	Niton	XL3t	9/19/2012	60	0		0		24.88	7.17	104	14.19	0		0		1049	101.63	2.420013	0.034667	0
GFL028 00+00	DIRT	Niton	XL3t	9/20/2012	60	0		30.46	17.21	15.87	6.69	106	14.78	0		0		2020	137.71	2.774353	0.03831	0
GFL028 00+25E	DIRT	Niton	XL3t	9/20/2012	60	0		35.28	17.69	30.48	7.79	147	16.93	0		0		754	94.01	3.05926	0.040369	0
GFL028 00+50E	DIRT	Niton	XL3t	9/20/2012	60	0		25.67	16.69	47.33	8.61	220	19.67	0		0		782	93.8	3.039541	0.039645	15.52
GFL028 00+75E	DIRT	Niton	XL3t	9/20/2012	60	0		0		152.78	14.16	504	30.09	0		0		967	109.43	4.124246	0.048575	249.38
GFL028 01+00E	DIRT	Niton	XL3t	9/20/2012	60	0		30.5	17.01	19.97	6.88	172	17.67	0		0		676	88.02	2.69673	0.037254	20.91
GFL028 01+25E	DIRT	Niton	XL3t	9/20/2012	60	0		33.68	17.65	28.06	7.66	199	19.2	0		0		786	96.28	3.372209	0.04255	22.54
GFL028 01+50E	DIRT	Niton	XL3t	9/20/2012	60	0		0		25.79	7.63	145	16.98	0		0		1880	138.2	3.920007	0.046365	35.81
GFL028 01+75E	DIRT	Niton	XL3t	9/20/2012	60	0		0		21.86	7.47	118	16.05	0		0		1040	111.14	4.036452	0.047538	36.5
GFL028 02+00E	DIRT	Niton	XL3t	9/20/2012	60	0		0		13.85	6.74	68	12.85	0		0		413	79.22	3.203334	0.041678	30.12
GFL028 02+25E	DIRT	Niton	XL3t	9/20/2012	60	0		37.35	18.63	37.67	8.51	274	22.52	72.92	37.18	0		1314	121.51	4.227207	0.048633	0
GFL028 02+50E	DIRT	Niton	XL3t	9/20/2012	60	0		0		38.82	8.47	174	18.28	0		0		1252	115.51	3.175749	0.041625	0
GFL028 02+75E	DIRT	Niton	XL3t	9/20/2012	60	0		39.59	17.88	58.85	9.42	176	18.15	0		0		1241	112.98	2.874325	0.039039	0
GFL028 03+00E	DIRT	Niton	XL3t	9/20/2012	60	0		0		47.98	8.78	169	17.75	0		0		964	102.72	3.002698	0.039905	0
GFL028 03+25E	DIRT	Niton	XL3t	9/20/2012	60	0		28.51	17.39	37.3	8.24	197	19.05	57.25	34.34	0		1779	131.46	2.94005	0.039625	12.86
GFL028 03+50E	DIRT	Niton	XL3t	9/20/2012	60	0		27.73	17.02	34.59	7.95	157	17.34	0		0		627	87.14	2.78149	0.038191	0
GFL028 03+75E	DIRT	Niton	XL3t	9/20/2012	60	0		0		43.5	8.48	408	25.8	0		0		878	97.07	2.570024	0.036486	0
GFL028 04+00E	DIRT	Niton	XL3t	9/20/2012	60	0		0		33.07	8.03	202	19.26	0		0		979	104	2.942465	0.039648	0

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
GFL028 04+25E	DIRT	Niton	XL3t	9/13/2012	60	0		0		42.07	8.53	181	18.1	0		0		1113	107.81	2.971742	0.03953	0
GFL028 04+50E	DIRT	Niton	XL3t	9/13/2012	60	0		26.76	16.99	35.79	8.06	136	16.16	0		0		520	81.88	2.867799	0.038697	0
GFL028 04+75E	DIRT	Niton	XL3t	9/13/2012	60	0		51.22	18.2	32.18	7.86	170	17.72	0		0		559	84.26	2.951604	0.039159	13.9
GFL028 05+00E	DIRT	Niton	XL3t	9/13/2012	60	0		0		70.85	10.11	93	14.04	0		0		312	71.72	2.976502	0.039506	14.79
GFL028 05+25E	DIRT	Niton	XL3t	9/13/2012	60	0		27.44	17.09	35.28	8.07	125	15.69	52.54	34.13	0		533	83.62	3.06335	0.040043	0
GFL028 05+50E	DIRT	Niton	XL3t	9/13/2012	60	0		0		34.14	7.92	117	15.33	0		0		542	83.23	2.992877	0.039422	0
GFL028 05+75E	DIRT	Niton	XL3t	9/13/2012	60	0		0		40.25	8.4	121	15.56	0		0		810	95.99	2.963264	0.039502	0
GFL028 06+00E	DIRT	Niton	XL3t	9/13/2012	60	0		0		28.93	7.85	122	15.92	0		0		840	99.23	3.066444	0.040909	0
GFL028 06+25E	DIRT	Niton	XL3t	9/13/2012	60	0		0		29.36	7.72	129	15.93	0		0		1086	107.04	3.093949	0.040274	11.18
GFL028 06+50E	DIRT	Niton	XL3t	9/13/2012	60	0		0		40.03	8.47	161	17.84	71.66	35.5	0		1398	120.42	2.828829	0.039417	0
GFL028 06+75E	DIRT	Niton	XL3t	9/13/2012	60	0		0		25.61	7.44	104	14.75	0		0		345	73.46	3.022868	0.039863	0
GFL028 07+00E	DIRT	Niton	XL3t	9/13/2012	60	0		0		34.39	8.11	119	15.67	0		0		1148	111.21	3.209272	0.041573	0
GFL028 07+25E	DIRT	Niton	XL3t	9/23/2012	60	0		0		34.23	8	149	16.93	0		0		1138	109.8	3.129035	0.040632	0
GFL028 07+50E	DIRT	Niton	XL3t	9/23/2012	60	0		0		32.17	8.02	139	16.58	53	34.28	0		839	98.65	3.005588	0.040236	0
GFL028 07+75E	DIRT	Niton	XL3t	9/23/2012	60	0		0		29.43	7.64	147	16.66	0		0		802	94.8	2.73034	0.037647	0
GFL028 08+00E	DIRT	Niton	XL3t	9/23/2012	60	0		39.83	17.91	32.88	7.95	90	14.05	0		0		380	75.33	2.82581	0.038677	0
GFL028 08+25E	DIRT	Niton	XL3t	9/23/2012	60	0		27.1	16.56	16.75	6.74	105	14.34	0		0		579	84.13	2.990438	0.038987	0
GFL028 08+50E	DIRT	Niton	XL3t	9/23/2012	60	0		0		83.51	10.81	304	23.24	0		0		1131	111.49	3.276268	0.042143	0
GFL028 08+75E	DIRT	Niton	XL3t	9/23/2012	60	0		0		18.26	7.15	117	15.74	0		0		512	84.93	3.12468	0.041541	0
GFL028 09+00E	DIRT	Niton	XL3t	9/23/2012	60	0		0		29.43	7.6	109	14.82	0		0		575	83.99	2.719421	0.037427	0
GFL028 09+25E	DIRT	Niton	XL3t	9/23/2012	60	0		0		22.49	7.43	122	15.85	0		0		463	81.98	3.637493	0.044293	13.38
GFL028 09+50E	DIRT	Niton	XL3t	9/23/2012	60	0		39.99	18.52	27.43	7.81	161	17.9	0		0		1093	112.54	3.974961	0.047033	0
GFL028 09+75E	DIRT	Niton	XL3t	9/23/2012	60	0		40.6	18.36	29.61	7.94	144	16.92	0		0		1208	114.84	3.340856	0.042796	0
GFL028 10+00E	DIRT	Niton	XL3t	9/23/2012	60	0		0		33.81	8.14	133	16.52	0		0		530	85.06	3.132692	0.041309	0
GFL028 10+25E	DIRT	Niton	XL3t	9/26/2012	60	0		0		41.94	8.58	137	16.47	0		0		377	76.78	3.141494	0.04095	0
GFL028 10+50E	DIRT	Niton	XL3t	9/26/2012	60	0		0		32.67	8.08	128	15.98	0		0		866	98.86	2.6223	0.037613	0
GFL028 10+75E	DIRT	Niton	XL3t	9/26/2012	60	0		0		16.56	6.84	109	14.87	0		0		492	79.72	2.490023	0.036006	14.9
GFL028 11+00E	DIRT	Niton	XL3t	9/26/2012	60	0		0		21.36	7.33	145	16.88	0		0		1637	128.94	3.08179	0.040979	0
GFL028 11+25E	DIRT	Niton	XL3t	9/26/2012	60	0		0		21.29	7.23	107	14.79	0		0		1023	105.04	2.817269	0.038797	12.1
GFL028 11+50E	DIRT	Niton	XL3t	9/26/2012	60	0		0		21.88	7.1	144	16.45	0		0		901	97.25	2.281207	0.034366	0
GFL028 11+75E	DIRT	Niton	XL3t	9/26/2012	60	0		0		15.47	6.82	121	15.5	0		0		366	74.39	2.689848	0.037772	11.59
GFL028 12+00E	DIRT	Niton	XL3t	9/26/2012	60	0		0		18.11	6.85	122	15.43	0		0		376	73.04	2.407425	0.035336	0
GFL029 00+00	DIRT	Niton	XL3t	9/22/2012	60	0		0		33.3	7.83	122	15.39	0		0		287	68.27	2.598514	0.036588	11.27
GFL029 00+25E	DIRT	Niton	XL3t	9/22/2012	60	0		0		24.48	7.3	121	15.23	49.85	32.83	0		415	74.67	2.375987	0.03484	0
GFL029 00+50E	DIRT	Niton	XL3t	9/22/2012	60	0		26.89	16.8	23.88	7.29	143	16.39	0		0		1156	107.62	2.158021	0.033611	0
GFL029 00+75E	DIRT	Niton	XL3t	9/22/2012	60	0		0		23.04	7.28	144	16.73	0		0		766	92.8	2.367946	0.035545	0
GFL029 01+00E	DIRT	Niton	XL3t	9/22/2012	60	0		38.49	17.85	23.37	7.26	134	16.37	0		0		1055	105.61	2.700408	0.037891	0
GFL029 01+25E	DIRT	Niton	XL3t	9/22/2012	60	0		0		24.05	7.32	171	17.63	0		0		955	100.39	2.75803	0.037817	12.7
GFL029 01+50E	DIRT	Niton	XL3t	9/22/2012	60	0		34.23	17.68	34.68	8.05	170	17.98	0		0		1165	111.36	3.18212	0.041305	0
GFL029 01+75E	DIRT	Niton	XL3t	9/22/2012	60	0		0		46.58	8.64	201	18.99	0		0		1193	110.21	2.906824	0.038893	0
GFL029 02+00E	DIRT	Niton	XL3t	9/22/2012	60	0		52.59	19.35	209.54	15.93	236	21.1	0		0		958	108.13	4.230568	0.048465	0
GFL029 02+25E	DIRT	Niton	XL3t	9/22/2012	60	0		0		1075.64	34.89	301	24.07	0		0		1151	117.99	4.150817	0.048992	0
GFL029 02+50E	DIRT	Niton	XL3t	9/22/2012	60	0		27.29	18.16	788.26	29.5	272	22.63	0		0		542	89.27	3.877306	0.046559	0
GFL029 02+75E	DIRT	Niton	XL3t	9/22/2012	60	0		0		35.05	7.91	148	16.53	0		0		758	90.75	2.267746	0.034055	0
GFL029 03+00E	DIRT	Niton	XL3t	9/22/2012	60	0		0		24.94	7.41	117	15.33	0		0		456	78.16	2.435436	0.035699	0

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
GFL029 03+25E	DIRT	Niton	XL3t	9/22/2012	60	0		30.04	17.39	24.79	7.5	135	16.19	58.55	34.44	0		911	100.04	2.6705	0.037635	0
GFL029 03+50E	DIRT	Niton	XL3t	9/22/2012	60	0		0		35.04	8.03	113	15.23	0		0		942	100.69	2.668441	0.037501	0
GFL029 03+75E	DIRT	Niton	XL3t	9/22/2012	60	0		30.14	17.18	39.95	8.31	105	14.85	0		0		480	81.25	2.982203	0.039539	12.11
GFL029 04+00E	DIRT	Niton	XL3t	9/22/2012	60	0		0		40.58	8.32	117	15.28	0		0		840	96.55	2.901227	0.038972	0
GFL029 04+25E	DIRT	Niton	XL3t	9/17/2012	60	0		0		30.51	7.84	121	15.69	0		0		837	97.25	2.837849	0.038689	0
GFL029 04+50E	DIRT	Niton	XL3t	9/17/2012	60	0		0		37.57	8.16	143	16.54	0		0		467	79.69	2.888266	0.03895	0
GFL029 04+75E	DIRT	Niton	XL3t	9/17/2012	60	0		0		35.12	8.08	120	15.42	0		0		737	90.99	2.583113	0.036631	0
GFL029 05+00E	DIRT	Niton	XL3t	9/17/2012	60	0		0		26.8	7.38	118	15.21	0		0		498	79.76	2.488603	0.035896	0
GFL029 05+25E	DIRT	Niton	XL3t	9/17/2012	60	0		29.19	16.91	25.06	7.43	184	18.15	0		0		1122	106.91	2.476554	0.035871	0
GFL029 05+50E	DIRT	Niton	XL3t	9/17/2012	60	0		0		22.12	7.16	215	19.38	0		0		1339	113.9	2.101899	0.033124	0
GFL029 05+75E	DIRT	Niton	XL3t	9/17/2012	60	0		33.36	17.3	34.57	7.99	156	17.17	0		0		765	92.5	2.401587	0.035383	0
GFL029 06+00E	DIRT	Niton	XL3t	9/17/2012	60	0		0		50.47	8.91	184	18.06	0		0		799	92.05	2.105538	0.032882	0
GFL029 06+25E	DIRT	Niton	XL3t	9/17/2012	60	0		28.06	16.74	43.73	8.44	164	17.34	0		0		530	79.89	2.172884	0.033319	0
GFL029 06+50E	DIRT	Niton	XL3t	9/17/2012	60	0		0		29.25	7.53	208	18.9	0		0		1052	102.68	2.182965	0.033378	0
GFL029 06+75E	DIRT	Niton	XL3t	9/17/2012	60	0		31.15	16.81	30.38	7.58	174	17.62	0		0		774	90.73	2.117804	0.032822	0
GFL029 07+00E	DIRT	Niton	XL3t	9/17/2012	60	0		0		27.36	7.45	143	16.14	0		0		341	69.29	2.112876	0.032639	10.27
GFL029 07+25E	DIRT	Niton	XL3t	9/17/2012	60	0		0		31.32	7.63	182	18.15	0		0		551	81.55	2.345372	0.034699	0
GFL029 07+50E	DIRT	Niton	XL3t	9/17/2012	60	0		0		44.42	8.45	213	19.19	0		0		657	86.47	2.431345	0.035247	0
GFL029 07+75E	DIRT	Niton	XL3t	9/17/2012	60	0		0		39.12	8.29	214	19.61	0		0		626	86.65	2.599308	0.03692	0
GFL029 08+00E	DIRT	Niton	XL3t	9/17/2012	60	0		29.18	16.96	37.26	8.1	192	18.6	0		0		719	90.1	2.562575	0.036371	0
GFL029 08+25E	DIRT	Niton	XL3t	9/21/2012	60	0		25.89	17.09	34.71	8.01	179	18.25	0		0		431	77.6	2.645071	0.037428	10.61
GFL029 08+50E	DIRT	Niton	XL3t	9/21/2012	60	0		0		34.07	7.84	183	18.15	0		0		541	81.06	2.281321	0.03427	0
GFL029 08+75E	DIRT	Niton	XL3t	9/21/2012	60	0		30.64	17.28	45.32	8.61	266	21.51	0		0		2243	143.49	2.295441	0.034893	0
GFL029 09+00E	DIRT	Niton	XL3t	9/21/2012	60	0		0		49.59	8.81	234	20.17	0		0		1312	113.76	2.452778	0.03575	0
GFL029 09+25E	DIRT	Niton	XL3t	9/21/2012	60	0		0		22.55	7.06	73	12.43	0		0		279	64.49	1.773633	0.02982	0
GFL029 09+50E	DIRT	Niton	XL3t	9/21/2012	60	0		0		24.98	7.22	103	14.2	0		0		447	74.2	1.947236	0.031274	0
GFL029 09+75E	DIRT	Niton	XL3t	9/21/2012	60	0		0		27.63	7.48	210	19.25	0		0		818	93.56	2.128914	0.033134	0
GFL029 10+00E	DIRT	Niton	XL3t	9/21/2012	60	0		0		20.76	6.95	172	17.45	0		0		811	91.44	1.82294	0.030389	0
GFL029 10+25E	DIRT	Niton	XL3t	9/21/2012	60	0		0		24.59	7.24	164	17.05	0		0		746	89.43	2.318529	0.034138	8.89
GFL029 10+50E	DIRT	Niton	XL3t	9/21/2012	60	0		35.15	17.58	63.37	9.62	254	21.01	67	34.12	0		673	89.2	2.627094	0.037106	12.83
GFL029 10+75E	DIRT	Niton	XL3t	9/21/2012	60	0		0		61.61	9.57	228	20.11	55	34.23	0		417	78.41	3.141346	0.040763	0
GFL029 11+00E	DIRT	Niton	XL3t	9/21/2012	60	0		0		40.34	8.51	280	22.17	59	34.71	0		1346	117.31	2.893706	0.039363	14.59
GFL029 11+25E	DIRT	Niton	XL3t	9/21/2012	60	0		27.29	16.95	51.94	8.91	302	22.6	0		0		752	91.79	2.703268	0.037417	0
GFL029 11+50E	DIRT	Niton	XL3t	9/21/2012	60	0		31.91	18.17	220.38	16.23	785	36.31	55	35.3	0		340	76.19	3.188714	0.041896	0
GFL029 11+75E	DIRT	Niton	XL3t	9/21/2012	60	0		0		53.01	9.13	561	30.46	0		0		568	85.09	2.692323	0.03782	14.52
GFL030 00+00	DIRT	Niton	XL3t	9/21/2012	60	0		0		21.09	6.97	97	13.85	0		0		422	72.26	1.879774	0.030653	0
GFL030 00+25E	DIRT	Niton	XL3t	9/21/2012	60	0		29.71	16.87	27.87	7.49	99	14.16	0		0		526	80.43	2.264724	0.034116	0
GFL030 00+50E	DIRT	Niton	XL3t	9/21/2012	60	0		0		29.87	7.6	103	14.3	51	32.89	0		405	74.6	2.375953	0.034852	0
GFL030 00+75E	DIRT	Niton	XL3t	9/21/2012	60	0		0		26.18	7.34	112	14.8	0		0		488	77.62	2.209689	0.033503	0
GFL030 01+00E	DIRT	Niton	XL3t	9/21/2012	60	0		0		30.63	7.68	194	18.71	0		0		1832	130.36	2.255939	0.034375	0
GFL030 01+25E	DIRT	Niton	XL3t	9/21/2012	60	0		0		33.11	7.99	165	17.69	0		0		1571	125.47	2.827676	0.039007	18.79
GFL030 01+50E	DIRT	Niton	XL3t	9/21/2012	60	0		57.47	19.19	30.26	7.9	177	18.36	0		0		280	71.03	2.970878	0.040108	35.97
GFL030 01+75E	DIRT	Niton	XL3t	9/21/2012	60	0		0		21.93	7.23	196	18.67	0		0		558	83.18	2.736646	0.037669	15.41
GFL030 02+00E	DIRT	Niton	XL3t	9/21/2012	60	0		0		26.68	7.42	135	16.1	0		192.97	94.76	436	76.48	2.429801	0.035555	0
GFL030 02+25E	DIRT	Niton	XL3t	9/21/2012	60	0		0		27.51	7.45	159	17.11	0		0		1284	112.91	2.499979	0.036055	0

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	Mo_ppm	Mo_ERROR	Cu_ppm	Cu_ERROR	Pb_ppm	Pb_ERROR	Zn_ppm	Zn_ERROR	Ni_ppm	Ni_ERROR	Co_ppm	Co_ERROR	Mn_ppm	Mn_ERROR	Fe_%	Fe_ERROR	As_ppm
GFL030 02+50E	DIRT	Niton	XL3t	9/21/2012	60	0		0		26.23	7.43	259	21.06	0		0		380	73.96	2.537464	0.036212	8.95
GFL030 02+75E	DIRT	Niton	XL3t	9/21/2012	60	0		0		25.1	7.24	182	18.07	0		0		635	85.7	2.220612	0.033873	0
GFL030 03+00E	DIRT	Niton	XL3t	9/21/2012	60	0		0		20.24	6.98	173	17.73	0		0		775	91.72	2.227755	0.033903	0
GFL030 03+25E	DIRT	Niton	XL3t	9/21/2012	60	0		0		20.88	6.99	168	17.44	49	32.76	0		948	97.32	1.996216	0.031946	0
GFL030 03+50E	DIRT	Niton	XL3t	9/20/2012	60	0		0		21.26	7.1	200	18.74	0		0		414	74.68	2.398862	0.035024	9.75
GFL030 03+75E	DIRT	Niton	XL3t	9/20/2012	60	0		32.7	17.33	26.8	7.43	219	19.71	0		0		818	95.36	2.630469	0.037101	0
GFL030 04+00E	DIRT	Niton	XL3t	9/20/2012	60	0		0		17.35	6.67	172	17.36	0		0		406	71.89	1.863551	0.030566	0
GFL030 04+25E	DIRT	Niton	XL3t	9/20/2012	60	0		0		28.97	7.63	265	21.44	85	35.06	0		868	97.48	2.581025	0.036768	0
GFL030 04+50E	DIRT	Niton	XL3t	9/20/2012	60	0		0		15.6	6.56	80	12.98	0		0		241	61.1	1.617965	0.028406	8.2
GFL030 04+75E	DIRT	Niton	XL3t	9/20/2012	60	0		0		39.56	8.41	225	19.94	0		0		345	72.52	2.543279	0.036519	0
GFL030 05+00E	DIRT	Niton	XL3t	9/20/2012	60	0		0		32.5	7.73	173	17.55	0		0		420	72.85	1.916703	0.031093	0
GFL030 05+25E	DIRT	Niton	XL3t	9/20/2012	60	0		0		20.61	6.99	163	17.06	63.84	33.21	0		739	89.25	2.224176	0.033566	0
GFL030 05+50E	DIRT	Niton	XL3t	9/20/2012	60	0		0		38.46	8.41	152	17.24	54.1	34.49	0		683	90.45	2.35358	0.035644	0
GFL030 05+75E	DIRT	Niton	XL3t	9/20/2012	60	0		32.57	17.35	33.43	7.91	171	17.79	0		0		490	80.58	2.766364	0.037956	0
GFL030 06+00E	DIRT	Niton	XL3t	9/20/2012	60	0		0		23.77	7.09	122	15.09	0		0		203	59.6	1.764573	0.029695	0
GFL030 06+25E	DIRT	Niton	XL3t	9/26/2012	60	0		0		31.69	7.77	113	15.04	0		0		381	71.75	1.908083	0.031476	0
GFL030 06+50E	DIRT	Niton	XL3t	9/26/2012	60	0		0		18.16	6.73	70	12.37	0		0		246	60.83	1.376549	0.026254	0
GFL030 06+75E	DIRT	Niton	XL3t	9/26/2012	60	0		0		26.16	7.36	198	18.68	60	33.47	0		977	100.27	2.387493	0.035079	0
GFL030 07+00E	DIRT	Niton	XL3t	9/26/2012	60	0		0		21.39	6.98	177	17.9	0		0		453	77.4	2.512053	0.035904	0
GFL030 07+25E	DIRT	Niton	XL3t	9/26/2012	60	0		0		18.2	6.66	71	12.36	0		0		208	58.78	1.594405	0.02807	0
GFL030 07+50E	DIRT	Niton	XL3t	9/26/2012	60	0		0		28.06	7.53	150	16.87	0		0		339	71.7	2.606603	0.036912	0
GFL030 07+75E	DIRT	Niton	XL3t	9/26/2012	60	0		33.15	17.41	26.87	7.54	140	16.36	0		156.29	100.7	416	77.16	2.780443	0.038195	0
GFL030 08+00E	DIRT	Niton	XL3t	9/26/2012	60	0		0		14.11	6.51	90	13.49	0		0		280	64.18	1.722485	0.029499	0

Appendix 6.1 - XRF Results

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
AUGFS001	SILT	Niton	XL3t	8/6/2012	60	0	8.67	0	6	0								
AUGFS002	SILT	Niton	XL3t	8/6/2012	60	0	8.06	0	6	0								
CRGFS001	SILT	Niton	XL3t	7/7/2012	60		0		62	5.91	0		0		237	35.98	0	
CRGFS002	SILT	Niton	XL3t	7/7/2012	60		0		67	5.86	0		0		277	35.13	20.06	12.06
CRGFS003	SILT	Niton	XL3t	7/7/2012	60		19.57	8.45	71	6.1	0		0		60	32.64	0	
CRGFS004	SILT	Niton	XL3t	7/7/2012	60		13.8	7.83	83	6.5	0		0		0		0	
CRGFS005	SILT	Niton	XL3t	7/7/2012	60		0		73	6.32	0		0		132	34	0	
CRGFS006	SILT	Niton	XL3t	7/7/2012	60		0		89	6.97	0		0		0		0	
CRGFS007	SILT	Niton	XL3t	7/7/2012	60		0		69	5.97	0		0		282	35.69	0	
CRGFS008	SILT	Niton	XL3t	7/7/2012	60		11.56	7.5	73	6.1	0		0		139	33.4	0	
CRGFS009	SILT	Niton	XL3t	7/7/2012	60		0		69	5.99	0		0		167	34.46	0	
CRGFS010	SILT	Niton	XL3t	7/7/2012	60		12.51	7.51	77	6.21	0		16.36	10.85	310	36.14	25.89	12.4
CRGFS011	SILT	Niton	XL3t	7/7/2012	60		0		58	5.48	0		0		317	35.51	0	
CRGFS012	SILT	Niton	XL3t	7/7/2012	60		13.18	7.59	64	5.73	0		0		226	35.09	18.36	12.16
CRGFS013	SILT	Niton	XL3t	7/7/2012	60		0		59	5.48	0		0		233	34.76	0	
CRGFS014	SILT	Niton	XL3t	7/7/2012	60		0		59	5.56	0		0		127	33.31	0	
CRGFS015	SILT	Niton	XL3t	7/7/2012	60		13.12	7.84	98	7.16	0		0		0		0	
CRGFS016	SILT	Niton	XL3t	7/7/2012	60	7.58	0		77	6.2	0		0		109	32.76	0	
CRGFS017	SILT	Niton	XL3t	7/7/2012	60		11.83	7.54	69	5.97	0		0		163	33.94	0	
CRGFS018	SILT	Niton	XL3t	7/7/2012	60		17.03	8.13	79	6.34	0		0		66	32.68	0	
CRGFS019	SILT	Niton	XL3t	7/7/2012	60		12.89	7.64	62	5.7	0		0		143	33.53	0	
CRGFS020	SILT	Niton	XL3t	7/7/2012	60		0		72	6.03	0		0		168	33.96	0	
CRGFS021	SILT	Niton	XL3t	7/7/2012	60		13.87	7.89	75	6.25	0		0		0		0	
CRGFS022	SILT	Niton	XL3t	7/7/2012	60		16.07	7.94	84	6.45	0		0		254	34.99	0	
CRGFS023	SILT	Niton	XL3t	7/7/2012	60		12.75	8.16	99	7.32	0		0		0		0	
CRGFS025	SILT	Niton	XL3t	8/6/2012	60	0		0	6	0								
CRGFS026	SILT	Niton	XL3t	8/6/2012	60	0		17.81	6	0								
CRGFS027	SILT	Niton	XL3t	8/6/2012	60	0	7.72	15.54	6	0								
CRGFS028	SILT	Niton	XL3t	8/6/2012	60	0		27.15	7	0								
CRGFS029	SILT	Niton	XL3t	8/6/2012	60	0		16.99	6	0								
CRGFS030	SILT	Niton	XL3t	8/6/2012	60	0		29.34	7	0								
CRGFS031	SILT	Niton	XL3t	8/6/2012	60	0	8.37	21.08	7	0								
CRGFS032	SILT	Niton	XL3t	8/6/2012	60	0		28.48	6	0								
CRGFS033	SILT	Niton	XL3t	8/6/2012	60	0		0	5	0								
CRGFS034	SILT	Niton	XL3t	8/6/2012	60	0	7.42	17.21	6	0								
CRGFS035	SILT	Niton	XL3t	8/6/2012	60	0	7.61	28.33	6	0								
CRGFS036	SILT	Niton	XL3t	8/6/2012	60	0		0	5	0								
CRGFS037	SILT	Niton	XL3t	8/6/2012	60	0	8.33	30.15	6	0								
CRGFS038	SILT	Niton	XL3t	8/6/2012	60	0		0	6	0								
CRGFS039	SILT	Niton	XL3t	8/6/2012	60	0	7.76	22.82	6	0								
CRGFS040	SILT	Niton	XL3t	8/6/2012	60	0	7.95	0	6	0								
CRGFS041	SILT	Niton	XL3t	8/22/2012	60		0		74	6.24	0		0		0		0	
CRGFS042	SILT	Niton	XL3t	8/22/2012	60		12.59	7.56	59	5.62	0		0		188	34.59	0	
CRGFS043	SILT	Niton	XL3t	8/22/2012	60		12.14	7.45	56	5.52	0		0		0		0	

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
CRGFS044	SILT	Niton	XL3t	8/22/2012	60		15.15	7.9	67	5.99	0		0		0		0	
CRGFS045	SILT	Niton	XL3t	8/22/2012	60		11.3	7.48	58	5.55	0		0		199	34.63	0	
CRGFS046	SILT	Niton	XL3t	8/22/2012	60		0		62	5.66	0		0		0		0	
CRGFS047	SILT	Niton	XL3t	8/22/2012	60		0		60	5.6	0		0		0		0	
CRGFS048	SILT	Niton	XL3t	8/22/2012	60		0		67	5.91	0		0		82	32.82	0	
CRGFS049	SILT	Niton	XL3t	8/22/2012	60		0		44	4.95	0		21.14	10.87	284	35.77	35.86	12.53
CRGFS050	SILT	Niton	XL3t	8/22/2012	60		0		63	5.75	0		0		197	34.64	0	
CRGFS051	SILT	Niton	XL3t	8/22/2012	60		15.38	7.91	60	5.64	0		0		55	32.59	0	
CRGFS052	SILT	Niton	XL3t	8/22/2012	60		0		52	5.33	0		0		155	34.26	0	
CRGFS053	SILT	Niton	XL3t	8/22/2012	60		12.76	7.89	64	5.89	0		0		152	34.17	0	
CRGFS054	SILT	Niton	XL3t	8/22/2012	60		13.64	8.13	69	6.21	0		0		74	33.81	0	
CRGFS055	SILT	Niton	XL3t	8/22/2012	60		13.28	8.05	67	6.07	0		0		159	34.58	0	
CRGFS056	SILT	Niton	XL3t	8/22/2012	60		20.21	8.69	67	6.05	0		0		146	33.74	0	
CRGFS057	SILT	Niton	XL3t	8/22/2012	60		16.64	8.36	63	5.9	0		0		148	34.82	0	
CRGFS058	SILT	Niton	XL3t	8/22/2012	60		14.08	8.11	64	6.03	0		0		336	37.4	22.73	12.71
CRGFS059	SILT	Niton	XL3t	8/22/2012	60		18.41	8.5	72	6.27	0		0		158	34.91	0	
CRGFS060	SILT	Niton	XL3t	8/22/2012	60		12.77	8.15	83	6.76	0		0		152	35.14	0	
CRGFS061	SILT	Niton	XL3t	8/22/2012	60		13.68	8.11	87	6.85	0		0		0		0	
CRGFS062	SILT	Niton	XL3t	8/22/2012	60		13.71	8.03	96	7.16	0		0		0		0	
CRGFS063	SILT	Niton	XL3t	8/22/2012	60		21.47	9.1	92	7.05	0		0		0		0	
JSGFS001	SILT	Niton	XL3t	8/6/2012	60	0	8.19	32.26	7	19.31								
JSGFS002	SILT	Niton	XL3t	8/6/2012	60	0	9.11	30.82	8	36.29								
JSGFS003	SILT	Niton	XL3t	8/6/2012	60	0		0	7	0								
JSGFS004	SILT	Niton	XL3t	8/6/2012	60	0		21.98	6	0								
BKGFD001	DIRT	Niton	XL3t	7/6/2012	60		0		160	9.11	0		0		155	34.84	0	
BKGFD002	DIRT	Niton	XL3t	7/6/2012	60		13.43	8.03	120	7.88	0		0		220	35.55	0	
BKGFD003	DIRT	Niton	XL3t	7/6/2012	60		0		167	9.34	0		0		179	35.54	0	
BKGFD004	DIRT	Niton	XL3t	7/6/2012	60		0		84	6.83	0		0		188	35.52	0	
BKGFD005	DIRT	Niton	XL3t	7/6/2012	60		0		194	10.12	0		0		98	34.31	0	
BKGFD006	DIRT	Niton	XL3t	7/6/2012	60		0		196	9.95	0		0		237	35.77	0	
BKGFD007	DIRT	Niton	XL3t	7/6/2012	60		0		206	10.19	0		0		131	34.36	0	
BKGFD008	DIRT	Niton	XL3t	7/6/2012	60		0		197	10.11	0		0		0		0	
BKGFD009	DIRT	Niton	XL3t	7/6/2012	60		14.61	8.47	232	11.18	0		0		65	33.65	0	
BKGFD010	DIRT	Niton	XL3t	7/6/2012	60		0		203	10.26	0		0		51	33.48	0	
BKGFD011	DIRT	Niton	XL3t	7/6/2012	60		12.78	7.91	217	10.46	0		0		0		0	
BKGFD012	DIRT	Niton	XL3t	7/6/2012	60		0		205	10.25	0		0		183	35.13	0	
BKGFD013	DIRT	Niton	XL3t	7/6/2012	60		0		173	9.42	0		0		126	34.17	0	
BKGFD014	DIRT	Niton	XL3t	7/6/2012	60		0		135	8.38	0		0		265	35.94	0	
BKGFD015	DIRT	Niton	XL3t	7/6/2012	60		0		185	9.65	0		0		125	33.71	0	
BKGFD016	DIRT	Niton	XL3t	7/6/2012	60		0		178	9.64	0		0		105	34.36	0	
BKGFD017	DIRT	Niton	XL3t	7/6/2012	60		16.5	8.5	162	9.12	0		0		100	34.13	0	
BKGFD018	DIRT	Niton	XL3t	7/6/2012	60		15.43	8.54	178	9.79	0		0		169	35.82	0	
BKGFD019	DIRT	Niton	XL3t	7/6/2012	60		0		160	9.15	0		0		223	36.4	0	
BKGFD020	DIRT	Niton	XL3t	7/6/2012	60		0		212	10.65	0		0		172	35.61	0	
BKGFD021	DIRT	Niton	XL3t	7/6/2012	60		13.07	8.2	130	8.37	0		0		282	37.77	0	

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
BKGFD022	DIRT	Niton	XL3t	7/6/2012	60		14.19	8.45	169	9.43	0		0		227	35.64	0	
BKGFD023	DIRT	Niton	XL3t	7/6/2012	60		0		207	10.4	0		0		123	34.52	0	
BKGFD024	DIRT	Niton	XL3t	7/6/2012	60		14.68	8.5	176	9.74	0		0		194	36.5	0	
BKGFD025	DIRT	Niton	XL3t	7/6/2012	60		14.97	8.45	158	9.12	0		0		256	36.65	0	
BKGFD026	DIRT	Niton	XL3t	7/6/2012	60		0		184	9.95	0		0		176	35.24	0	
BKGFD027	DIRT	Niton	XL3t	7/6/2012	60		14.7	8.24	194	9.97	0		0		196	35.48	0	
BKGFD028	DIRT	Niton	XL3t	7/6/2012	60		0		162	9.17	0		0		177	35.52	0	
BKGFD029	DIRT	Niton	XL3t	7/6/2012	60		0		156	8.96	0		0		243	36.38	0	
BKGFD030	DIRT	Niton	XL3t	7/6/2012	60		0		182	9.67	0		0		163	35.21	0	
GFL001 00+00	DIRT	Niton	XL3t	6/27/2012	60		0		165	8.74	0		21.86	10.78	512	37.34	21.41	12.22
GFL001 00+00	DIRT	Niton	XL3t	6/19/2012	60		0		70	5.4	0		0		0		0	
GFL001 00+25E	SILT	Niton	XL3t	6/27/2012	60		15.95	8.13	185	9.49	0		0		0		0	
GFL001 00+25E	DIRT	Niton	XL3t	6/19/2012	60		0		69	5.49	0		0		200	30.54	0	
GFL001 00+50E	DIRT	Niton	XL3t	6/27/2012	60		13.33	7.79	166	9.01	0		0		124	33.39	0	
GFL001 00+50E	DIRT	Niton	XL3t	6/19/2012	60		0		68	5.13	0		0		46	27.02	0	
GFL001 00+75E	DIRT	Niton	XL3t	6/27/2012	60		0		237	10.84	0		0		51	32.33	0	
GFL001 00+75E	DIRT	Niton	XL3t	6/19/2012	60		0		121	6.49	0		0		0		0	
GFL001 01+00E	DIRT	Niton	XL3t	6/27/2012	60		0		180	9.42	0		0		157	34.11	0	
GFL001 01+00E	DIRT	Niton	XL3t	6/19/2012	60		0		88	5.89	0		0		154	29.09	0	
GFL001 01+25E	DIRT	Niton	XL3t	6/27/2012	60		19.25	8.56	93	6.99	0		0		201	34.61	0	
GFL001 01+25E	DIRT	Niton	XL3t	6/19/2012	60		0		48	4.91	0		0		352	33.33	0	
GFL001 01+50E	DIRT	Niton	XL3t	6/27/2012	60		12.14	8.04	98	7.26	0		0		183	35.33	0	
GFL001 01+50E	DIRT	Niton	XL3t	6/19/2012	60		10.64	6.86	56	5.24	0		0		217	31.64	0	
GFL001 01+75E	DIRT	Niton	XL3t	6/27/2012	60		0		105	7.39	0		0		176	34.73	0	
GFL001 01+75E	DIRT	Niton	XL3t	6/19/2012	60		0		46	5.45	0		0		377	38.1	0	
GFL001 02+00E	DIRT	Niton	XL3t	6/27/2012	60		0		187	9.64	0		0		112	33.47	0	
GFL001 02+00E	DIRT	Niton	XL3t	6/19/2012	60		0		77	5.46	0		0		181	29.67	0	
GFL001 02+25E	DIRT	Niton	XL3t	6/27/2012	60		0		113	7.7	0		0		265	36.15	0	
GFL001 02+25E	DIRT	Niton	XL3t	6/19/2012	60		0		67	5.62	0		0		237	31.61	0	
GFL001 02+50E	DIRT	Niton	XL3t	6/27/2012	60		0		174	9.43	0		0		266	36.31	0	
GFL001 02+50E	DIRT	Niton	XL3t	6/19/2012	60		0		68	5.37	0		0		205	30.05	0	
GFL001 02+75E	DIRT	Niton	XL3t	6/27/2012	60		0		179	9.61	0		0		208	35.04	0	
GFL001 02+75E	DIRT	Niton	XL3t	6/19/2012	60	6.18	10.95	6.78	70	5.65	0		0		271	31.25	0	
GFL001 03+00E	DIRT	Niton	XL3t	6/27/2012	60		0		191	9.85	0		0		136	34.28	0	
GFL001 03+00E	DIRT	Niton	XL3t	6/19/2012	60		0		92	6.15	0		0		139	29.39	0	
GFL001 03+25E	DIRT	Niton	XL3t	6/27/2012	60		14.66	8.13	167	9.12	0		0		106	33.14	0	
GFL001 03+25E	DIRT	Niton	XL3t	6/19/2012	60		0		66	5.03	0		0		68	26.54	0	
GFL001 03+50E	DIRT	Niton	XL3t	6/27/2012	60		14.57	8.06	196	9.85	0		0		154	33.92	0	
GFL001 03+50E	DIRT	Niton	XL3t	6/19/2012	60		0		101	6.3	0		0		167	29.5	0	
GFL001 03+75E	DIRT	Niton	XL3t	6/27/2012	60		13.68	8.03	195	9.86	0		0		167	34.57	0	
GFL001 03+75E	DIRT	Niton	XL3t	6/19/2012	60		0		100	6.2	0		0		144	28.48	0	
GFL001 04+00E	DIRT	Niton	XL3t	6/27/2012	60		0		203	10.08	0		0		134	34.28	0	
GFL001 04+00E	DIRT	Niton	XL3t	6/19/2012	60		0		101	6.25	0		0		78	27.88	0	
GFL001 04+25E	DIRT	Niton	XL3t	6/27/2012	60		0		169	9.27	0		0		122	34.02	0	
GFL001 04+25E	DIRT	Niton	XL3t	6/19/2012	60		0		81	5.69	0		0		155	29.15	0	

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
GFL001 04+50E	DIRT	Niton	XL3t	6/27/2012	60		13.89	8.26	134	8.33	0		0		174	34.92	0	
GFL001 04+50E	DIRT	Niton	XL3t	6/19/2012	60		0		65	5.41	0		0		178	29.57	0	
GFL001 04+75E	DIRT	Niton	XL3t	6/27/2012	60		14.23	8.01	89	6.84	0		18.78	11.06	331	36.87	28.52	12.65
GFL001 04+75E	DIRT	Niton	XL3t	6/19/2012	60		11.18	6.52	54	4.96	0		0		221	31.07	0	
GFL001 05+00E	DIRT	Niton	XL3t	6/27/2012	60		0		90	6.83	0		0		387	37.47	24.07	12.62
GFL001 05+00E	DIRT	Niton	XL3t	6/19/2012	60		14.87	7.42	62	5.51	0		0		313	33.37	0	
GFL001 05+25E	DIRT	Niton	XL3t	6/27/2012	60		13.79	8	98	7.12	0		0		395	37.3	0	
GFL001 05+25E	DIRT	Niton	XL3t	6/19/2012	60		0		56	5.2	0		0		285	33.22	0	
GFL001 05+50E	DIRT	Niton	XL3t	6/27/2012	60		12.27	7.88	91	6.95	0		0		376	37.95	19.66	12.72
GFL001 05+50E	DIRT	Niton	XL3t	6/19/2012	60		14.03	7.16	53	5	0		0		269	32.39	0	
GFL001 05+75E	DIRT	Niton	XL3t	6/28/2012	60		0		91	6.95	0		0		338	37.36	0	
GFL001 05+75E	DIRT	Niton	XL3t	6/19/2012	60		12.5	7.69	56	5.63	0		0		250	34.65	0	
GFL001 06+00E	DIRT	Niton	XL3t	6/28/2012	60		23.63	9.06	86	6.74	0		16.67	11.05	362	37.25	0	
GFL001 06+00E	DIRT	Niton	XL3t	6/19/2012	60		0		45	4.79	0		0		236	31.36	0	
GFL001 06+25E	DIRT	Niton	XL3t	6/28/2012	60		0		71	6.19	0		0		366	37.95	20.7	12.78
GFL001 06+25E	DIRT	Niton	XL3t	6/19/2012	60		0		44	4.74	0		0		316	33.06	0	
GFL001 06+50E	DIRT	Niton	XL3t	6/28/2012	60		16.27	8.5	53	5.58	0		0		342	37.77	23.34	12.81
GFL001 06+50E	DIRT	Niton	XL3t	6/19/2012	60		12.86	7.54	31	4.21	0		0		376	33.31	0	
GFL001 06+75E	DIRT	Niton	XL3t	6/28/2012	60		12.69	8.05	72	6.3	0		0		248	35.95	0	
GFL001 06+75E	DIRT	Niton	XL3t	6/19/2012	60		0		120	7.98	0		0		644	39.5	19.12	12.48
GFL001 07+00E	DIRT	Niton	XL3t	6/28/2012	60		17.7	8.51	142	8.42	0		0		111	33.05	0	
GFL001 07+00E	DIRT	Niton	XL3t	6/19/2012	60		0		52	4.86	0		0		248	30.97	0	
GFL001 07+25E	DIRT	Niton	XL3t	6/28/2012	60		21.12	8.77	161	9.01	0		0		117	34.24	0	
GFL001 07+25E	DIRT	Niton	XL3t	6/19/2012	60		12.63	7.52	60	5.66	0		0		343	35.12	0	
GFL001 07+50E	DIRT	Niton	XL3t	6/28/2012	60		0		225	10.46	0		0		0		0	
GFL001 07+50E	DIRT	Niton	XL3t	6/19/2012	60		0		97	5.91	0		0		0		0	
GFL001 07+75E	DIRT	Niton	XL3t	6/28/2012	60		0		219	10.27	0		0		90	32.93	0	
GFL001 07+75E	DIRT	Niton	XL3t	6/19/2012	60		0		95	5.84	0		0		59	26.54	0	
GFL001 08+00E	DIRT	Niton	XL3t	6/28/2012	60		0		211	10.27	0		0		67	33.22	0	
GFL001 08+00E	DIRT	Niton	XL3t	6/19/2012	60	6.51	12.42	6.5	99	6.33	0		0		0		0	
GFL001 08+25E	DIRT	Niton	XL3t	6/28/2012	60		11.24	7.45	223	10.44	0		0		53	32.49	0	
GFL001 08+25E	DIRT	Niton	XL3t	6/19/2012	60		11.76	6.45	91	6.08	0		0		184	29.24	0	
GFL001 08+50E	DIRT	Niton	XL3t	6/28/2012	60		0		151	8.75	0		0		364	37.37	0	
GFL001 08+50E	DIRT	Niton	XL3t	6/19/2012	60		0		70	5.63	0		0		272	32.17	0	
GFL001 08+75E	DIRT	Niton	XL3t	6/28/2012	60		0		155	8.79	0		0		317	36.73	0	
GFL001 08+75E	DIRT	Niton	XL3t	6/19/2012	60		0		80	5.66	0		0		150	28.69	0	
GFL001 09+00E	DIRT	Niton	XL3t	6/28/2012	60		0		154	8.8	0		0		278	36.37	0	
GFL001 09+00E	DIRT	Niton	XL3t	6/19/2012	60		0		71	5.7	0		0		276	31.92	0	
GFL001 09+25E	DIRT	Niton	XL3t	6/28/2012	60		0		161	9.01	0		0		160	34.04	0	
GFL001 09+25E	DIRT	Niton	XL3t	6/19/2012	60		0		79	5.58	0		0		164	28.77	0	
GFL001 09+50E	DIRT	Niton	XL3t	6/28/2012	60		13.04	7.8	156	8.81	0		0		277	36	0	
GFL001 09+50E	DIRT	Niton	XL3t	6/19/2012	60		0		81	5.63	0		0		112	28.27	0	
GFL001 09+75E	DIRT	Niton	XL3t	6/28/2012	60		0		105	7.44	0		0		310	36.65	0	
GFL001 09+75E	DIRT	Niton	XL3t	6/19/2012	60		0		66	5.22	0		0		237	29.95	0	
GFL001 10+00E	DIRT	Niton	XL3t	6/28/2012	60		0		118	7.82	0		0		184	34.94	0	

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
GFL001 10+00E	DIRT	Niton	XL3t	6/19/2012	60		10.77	6.48	70	5.31	0		0		118	28.61	0	
GFL001 10+25E	DIRT	Niton	XL3t	6/28/2012	60		12.69	7.89	96	7.02	0		0		315	36.53	19.86	12.4
GFL001 10+25E	DIRT	Niton	XL3t	6/19/2012	60		0		57	5.51	0		0		288	34.52	0	
GFL001 10+50E	DIRT	Niton	XL3t	6/28/2012	60	7.33	22.42	8.74	83	6.61	0		0		391	38.03	27.26	12.85
GFL001 10+50E	DIRT	Niton	XL3t	6/19/2012	60		14.08	7.02	53	4.95	0		0		315	31.74	0	
GFL001 10+75E	DIRT	Niton	XL3t	6/28/2012	60		11.92	7.88	89	6.86	0		24.1	11.09	430	37.68	22.97	12.55
GFL001 10+75E	DIRT	Niton	XL3t	6/19/2012	60		0		57	5.61	0		0		361	35.9	0	
GFL001 11+00E	DIRT	Niton	XL3t	6/28/2012	60		18.27	8.99	99	7.38	0		0		416	38.54	0	
GFL001 11+00E	DIRT	Niton	XL3t	6/19/2012	60		0		53	5.44	0		0		386	36.33	19	12.14
GFL001 11+25E	DIRT	Niton	XL3t	6/28/2012	60		0		95	7.4	0		0		308	38.27	0	
GFL001 11+25E	DIRT	Niton	XL3t	6/19/2012	60		11.44	7.07	37	4.38	0		0		302	32.36	0	
GFL001 11+50E	DIRT	Niton	XL3t	6/28/2012	60		14.36	8.47	144	8.82	0		0		121	35.01	0	
GFL001 11+50E	DIRT	Niton	XL3t	6/19/2012	60		10.18	6.71	61	5.33	0		0		124	29.84	0	
GFL001 11+75E	DIRT	Niton	XL3t	6/28/2012	60		20.44	9.02	135	8.5	0		0		219	36.04	0	
GFL001 11+75E	DIRT	Niton	XL3t	6/19/2012	60		0		57	4.92	0		0		0		0	
GFL001 12+00E	DIRT	Niton	XL3t	6/28/2012	60		0		122	8.58	0		0		99	37.28	0	
GFL001 12+00E	DIRT	Niton	XL3t	6/19/2012	60		0		70	5.41	0		0		158	29.28	0	
GFL001 12+25E	DIRT	Niton	XL3t	6/28/2012	60		0		127	8.17	0		0		0		0	
GFL001 12+25E	DIRT	Niton	XL3t	6/19/2012	60		0		64	4.97	0		0		103	27.69	0	
GFL001 12+50E	DIRT	Niton	XL3t	6/28/2012	60		0		153	8.79	0		0		231	35.1	0	
GFL001 12+50E	DIRT	Niton	XL3t	6/19/2012	60		0		65	5.71	0		0		167	31.98	0	
GFL001 12+75E	DIRT	Niton	XL3t	6/28/2012	60		0		99	7.19	0		0		242	35.71	0	
GFL001 12+75E	DIRT	Niton	XL3t	6/19/2012	60		0		60	5.02	0		0		81	27.82	0	
GFL001 13+00E	DIRT	Niton	XL3t	6/28/2012	60		15.21	8.23	156	8.89	0		0		163	35.22	0	
GFL001 13+00E	DIRT	Niton	XL3t	6/19/2012	60		0		75	5.42	0		0		195	29.18	0	
GFL002 00+00	DIRT	Niton	XL3t	6/29/2012	60		12.66	8.26	156	9.18	0		0		206	36.3	0	
GFL002 00+25W	DIRT	Niton	XL3t	6/29/2012	60		17.64	8.62	151	8.91	0		0		123	34.57	0	
GFL002 00+50W	DIRT	Niton	XL3t	6/29/2012	60		0		162	9.04	0		0		287	35.64	0	
GFL002 00+75W	DIRT	Niton	XL3t	6/29/2012	60		17.73	8.18	173	9.12	0		0		116	33.17	0	
GFL002 01+00W	DIRT	Niton	XL3t	6/29/2012	60		0		202	10.02	0		0		151	34.37	0	
GFL002 01+25W	DIRT	Niton	XL3t	6/29/2012	60		13.44	8.26	122	7.98	0		0		202	35.14	0	
GFL002 01+50W	DIRT	Niton	XL3t	6/29/2012	60		0		162	9.19	0		0		192	35.17	0	
GFL002 01+75W	DIRT	Niton	XL3t	6/29/2012	60		0		177	9.58	0		0		313	36.55	0	
GFL002 02+00W	DIRT	Niton	XL3t	6/29/2012	60		0		172	9.48	0		0		196	35.29	0	
GFL002 02+25W	DIRT	Niton	XL3t	6/29/2012	60		12.46	8.05	163	9.16	0		0		201	34.7	0	
GFL002 02+50W	DIRT	Niton	XL3t	6/29/2012	60		0		159	9.05	0		0		283	36.26	0	
GFL002 02+75W	DIRT	Niton	XL3t	6/29/2012	60		0		157	9.07	0		0		209	35.01	0	
GFL002 03+00W	DIRT	Niton	XL3t	6/29/2012	60		0		161	8.94	0		0		313	36.11	0	
GFL002 03+25W	DIRT	Niton	XL3t	6/29/2012	60		0		199	10.11	0		0		171	34.8	0	
GFL002 03+50W	DIRT	Niton	XL3t	6/29/2012	60		0		168	9.21	0		0		283	35.86	0	
GFL002 03+75W	DIRT	Niton	XL3t	6/29/2012	60		0		179	9.71	0		0		251	36.29	0	
GFL002 04+00W	DIRT	Niton	XL3t	6/29/2012	60		14	8.1	132	8.23	0		0		208	35.29	0	
GFL002 04+25W	DIRT	Niton	XL3t	6/29/2012	60		12.32	8.01	135	8.41	0		0		275	36.91	0	
GFL002 04+50W	DIRT	Niton	XL3t	6/29/2012	60	8.61	13.54	8.22	150	8.98	0		0		79	33.83	0	
GFL002 04+75W	DIRT	Niton	XL3t	6/29/2012	60		22.51	9.47	125	8.43	0		0		0		0	

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
GFL002 05+00W	DIRT	Niton	XL3t	6/29/2012	60		0		130	8.15	0		0		176	34.94	0	
GFL002 05+25W	DIRT	Niton	XL3t	6/29/2012	60		12.4	8.05	132	8.32	0		0		208	35.71	0	
GFL002 05+50W	DIRT	Niton	XL3t	6/29/2012	60		0		84	6.7	0		0		56	33.34	0	
GFL002 05+75W	DIRT	Niton	XL3t	6/29/2012	60		0		200	10.36	0		0		0		0	
GFL002 06+00W	DIRT	Niton	XL3t	6/29/2012	60		0		164	9.35	0		0		135	34.66	0	
GFL002 06+25W	DIRT	Niton	XL3t	6/29/2012	60		14.1	8.28	102	7.36	0		0		204	35.2	0	
GFL002 06+50W	DIRT	Niton	XL3t	6/29/2012	60		0		146	8.78	0		0		131	34.34	0	
GFL002 06+75W	DIRT	Niton	XL3t	6/29/2012	60		17.5	9.19	149	9.14	0		0		194	36.43	0	
GFL002 07+00W	DIRT	Niton	XL3t	6/29/2012	60		19.59	9.06	105	7.52	0		0		338	37.13	0	
GFL002 07+25W	DIRT	Niton	XL3t	6/29/2012	60		19.03	8.76	197	10.06	0		0		167	34.86	0	
GFL002 07+50W	DIRT	Niton	XL3t	6/29/2012	60		15.8	9.23	157	9.41	0		0		176	36.86	0	
GFL002 07+75W	DIRT	Niton	XL3t	6/29/2012	60		12.74	8.46	175	9.78	0		0		194	36.37	0	
GFL002 08+00W	DIRT	Niton	XL3t	6/29/2012	60		22.86	9.58	154	9.17	0		0		194	36.43	0	
GFL002 08+25W	DIRT	Niton	XL3t	6/29/2012	60		16.38	8.52	190	9.84	0		0		181	34.99	0	
GFL002 08+50W	DIRT	Niton	XL3t	6/29/2012	60		31.52	10.14	173	9.6	0		0		200	36.29	0	
GFL002 08+75W	DIRT	Niton	XL3t	6/29/2012	60		0		143	8.65	0		0		290	36.41	0	
GFL002 09+00W	DIRT	Niton	XL3t	6/29/2012	60		17.05	8.75	161	9.15	0		0		139	34.05	0	
GFL002 09+25W	DIRT	Niton	XL3t	6/29/2012	60		13.39	8.18	158	9.04	0		0		277	36.43	0	
GFL002 09+50W	DIRT	Niton	XL3t	6/29/2012	60		0		135	8.32	0		0		0		0	
GFL002 09+75W	DIRT	Niton	XL3t	6/29/2012	60		0		160	9.17	0		0		236	35.65	0	
GFL002 10+00W	DIRT	Niton	XL3t	6/29/2012	60		12.51	8.05	181	9.69	0		0		212	35.6	0	
GFL002 10+25W	DIRT	Niton	XL3t	6/29/2012	60		0		145	8.86	0		0		175	35.19	0	
GFL002 10+50W	DIRT	Niton	XL3t	6/29/2012	60		0		112	7.86	0		0		206	36.22	0	
GFL002 10+75W	DIRT	Niton	XL3t	6/29/2012	60		0		167	9.45	0		0		85	34.46	0	
GFL002 11+00W	DIRT	Niton	XL3t	6/29/2012	60		16.57	8.8	141	8.66	0		0		303	36.96	0	
GFL002 11+25W	DIRT	Niton	XL3t	6/29/2012	60		0		157	8.96	0		0		204	35.88	0	
GFL002 11+50W	DIRT	Niton	XL3t	6/29/2012	60		17.94	9.27	175	9.69	0		0		197	35.67	0	
GFL002 11+75W	DIRT	Niton	XL3t	6/29/2012	60		0		90	6.83	0		0		354	36.83	0	
GFL002 12+00W	DIRT	Niton	XL3t	6/29/2012	60		15.17	8.51	183	9.62	0		0		142	34.72	0	
GFL002 12+25W	DIRT	Niton	XL3t	6/29/2012	60		0		166	9.07	0		0		177	34.8	0	
GFL002 12+50W	DIRT	Niton	XL3t	6/29/2012	60		15.43	8.74	192	9.97	0		0		145	34.73	0	
GFL002 12+75W	DIRT	Niton	XL3t	6/29/2012	60		14.35	8.26	194	9.97	0		0		93	33.35	0	
GFL002 13+00W	DIRT	Niton	XL3t	6/29/2012	60		15.47	8.44	166	9.18	0		0		302	36.47	0	
GFL002 13+25W	DIRT	Niton	XL3t	6/29/2012	60		22.44	9.06	121	7.88	0		0		389	37.23	0	
GFL002 13+50W	DIRT	Niton	XL3t	6/29/2012	60		19.81	9.21	133	8.49	0		0		234	36.5	0	
GFL002 13+75W	DIRT	Niton	XL3t	6/29/2012	60		11.98	7.97	102	7.27	0		0		285	36.12	0	
GFL002 14+00W	DIRT	Niton	XL3t	6/29/2012	60		0		106	7.59	0		0		223	35.46	0	
GFL002 14+25W	DIRT	Niton	XL3t	6/29/2012	60		15.89	8.39	146	8.64	0		0		322	36.89	0	
GFL002 14+50W	DIRT	Niton	XL3t	6/29/2012	60		0		127	8.02	0		0		249	35.68	0	
GFL002 14+75W	DIRT	Niton	XL3t	6/29/2012	60		13.28	8.26	99	7.19	0		0		244	36.34	0	
GFL002 15+00W	DIRT	Niton	XL3t	6/29/2012	60		17.17	8.63	128	8.2	0		0		79	33.55	0	
GFL002 15+25W	DIRT	Niton	XL3t	6/29/2012	60		13.03	7.92	138	8.33	0		0		142	34.1	0	
GFL002 15+50W	DIRT	Niton	XL3t	6/30/2012	60		0		144	8.63	0		0		169	35.19	0	
GFL002 15+75W	DIRT	Niton	XL3t	6/30/2012	60		11.74	7.81	144	8.61	0		0		84	33.88	0	
GFL002 16+00W	DIRT	Niton	XL3t	6/30/2012	60		0		191	10.08	0		0		0		0	

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
GFL002 16+25W	DIRT	Niton	XL3t	6/30/2012	60		17.95	8.58	171	9.4	0		0		168	34.93	0	
GFL002 16+50W	DIRT	Niton	XL3t	6/30/2012	60		15.68	8.24	207	10.28	0		0		0		0	
GFL002 16+75W	DIRT	Niton	XL3t	6/30/2012	60	8.59	0		134	8.57	0		0		107	35.17	0	
GFL002 17+00W	DIRT	Niton	XL3t	6/30/2012	60		13.91	8.37	195	10.16	0		0		134	35.05	0	
GFL002 17+25W	DIRT	Niton	XL3t	6/30/2012	60	12.32	0		213	10.64	0		0		85	34.87	0	
GFL002 17+50W	DIRT	Niton	XL3t	6/30/2012	60		0		133	8.32	0		0		209	35.74	0	
GFL002 17+75W	DIRT	Niton	XL3t	6/30/2012	60		13.41	8.25	153	8.96	0		0		0		0	
GFL002 18+00W	DIRT	Niton	XL3t	6/30/2012	60	9.78	0		156	9.08	0		0		0		0	
GFL002 18+25W	DIRT	Niton	XL3t	6/30/2012	60		13.31	8.15	182	9.73	0		0		116	34.1	0	
GFL002 18+50W	DIRT	Niton	XL3t	6/30/2012	60		0		163	9.17	0		0		309	36.72	0	
GFL002 18+75W	DIRT	Niton	XL3t	6/30/2012	60		0		181	9.56	0		0		69	33.16	0	
GFL002 19+00W	DIRT	Niton	XL3t	6/30/2012	60		0		201	10.12	0		0		141	34.3	0	
GFL002 19+25W	DIRT	Niton	XL3t	6/30/2012	60		0		205	10.32	0		0		111	34.17	0	
GFL002 19+50W	DIRT	Niton	XL3t	6/30/2012	60		0		170	9.56	0		0		93	34.22	0	
GFL002 19+75W	DIRT	Niton	XL3t	6/30/2012	60		0		187	10	0		0		146	34.94	0	
GFL002 20+00W	DIRT	Niton	XL3t	6/30/2012	60		13.58	8.13	163	9.2	0		0		167	35.23	0	
GFL002 20+25W	DIRT	Niton	XL3t	6/30/2012	60	9.06	0		212	10.69	0		0		0		0	
GFL002 20+50W	DIRT	Niton	XL3t	6/30/2012	60		0		151	8.95	0		0		203	35.8	0	
GFL002 20+75W	DIRT	Niton	XL3t	6/30/2012	60		0		175	9.38	0		0		254	35.69	0	
GFL002 21+00W	DIRT	Niton	XL3t	6/30/2012	60		0		219	10.61	0		0		0		0	
GFL002 21+25W	DIRT	Niton	XL3t	6/30/2012	60		17.28	8.46	144	8.6	0		0		193	34.93	0	
GFL003 00+00	DIRT	Niton	XL3t	6/30/2012	60		14.11	7.85	75	6.2	0		0		77	32.44	0	
GFL003 00+25E	DIRT	Niton	XL3t	6/30/2012	60		13.37	8.18	83	6.61	0		0		51	32.91	0	
GFL003 00+50E	DIRT	Niton	XL3t	6/30/2012	60		23.24	9.47	68	6.25	0		0		0		0	
GFL003 00+75E	DIRT	Niton	XL3t	6/30/2012	60		19.47	8.72	84	6.69	0		0		85	33.66	0	
GFL003 01+00E	DIRT	Niton	XL3t	6/30/2012	60		0		102	7.13	0		0		226	34.53	0	
GFL003 01+25E	DIRT	Niton	XL3t	6/30/2012	60		0		131	8.2	0		0		240	35.78	0	
GFL003 01+50E	DIRT	Niton	XL3t	6/30/2012	60		15.61	8.26	172	9.49	0		0		0		0	
GFL003 01+75E	DIRT	Niton	XL3t	6/30/2012	60		12.15	7.91	147	8.75	0		0		0		0	
GFL003 02+00E	DIRT	Niton	XL3t	6/30/2012	60		20.93	8.54	101	7.12	0		0		158	33.85	0	
GFL003 02+25E	DIRT	Niton	XL3t	6/30/2012	60		0		69	6.07	0		0		144	33.86	0	
GFL003 02+50E	DIRT	Niton	XL3t	6/30/2012	60		14.85	8.41	69	6.23	0		0		320	37.16	20.26	12.62
GFL003 02+75E	DIRT	Niton	XL3t	6/30/2012	60		0		172	9.24	0		0		115	33.73	0	
GFL003 03+00E	DIRT	Niton	XL3t	6/30/2012	60		12.87	7.81	152	8.75	0		0		81	33.39	0	
GFL003 03+25E	DIRT	Niton	XL3t	6/30/2012	60		0		167	9.07	0		0		108	33.31	0	
GFL003 03+50E	DIRT	Niton	XL3t	6/30/2012	0		0		0									
GFL003 03+50E	DIRT	Niton	XL3t	6/30/2012	0		0		0									
GFL003 03+50E	DIRT	Niton	XL3t	6/30/2012	60		0		142	8.82	0		0		203	36.45	0	
GFL003 03+50E	DIRT	Niton	XL3t	6/30/2012	10		0		119	17.1								
GFL003 03+75E	DIRT	Niton	XL3t	6/30/2012	60		12.03	7.77	172	9.27	0		0		232	35.48	0	
GFL003 04+00E	DIRT	Niton	XL3t	6/30/2012	60		0		149	8.68	0		0		133	34.18	0	
GFL003 04+25E	DIRT	Niton	XL3t	6/30/2012	60		16.4	8.09	132	8	0		0		227	34.66	0	
GFL003 04+50E	DIRT	Niton	XL3t	6/30/2012	60		0		192	9.82	0		0		53	33.01	0	
GFL003 04+75E	DIRT	Niton	XL3t	6/30/2012	60		0		209	10.32	0		0		0		0	
GFL003 05+00E	DIRT	Niton	XL3t	6/30/2012	60		0		176	9.32	0		0		120	33.86	0	

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
GFL003 05+25E	DIRT	Niton	XL3t	6/30/2012	60		0		129	8	0		0		195	34.49	0	
GFL003 05+50E	DIRT	Niton	XL3t	6/30/2012	60		0		141	8.43	0		0		212	35.39	0	
GFL003 05+75E	DIRT	Niton	XL3t	6/30/2012	60		0		141	8.38	0		0		238	34.86	0	
GFL003 06+00E	DIRT	Niton	XL3t	6/30/2012	60		0		80	6.46	0		0		250	35.23	0	
GFL003 06+25E	DIRT	Niton	XL3t	6/30/2012	60		17.28	8.9	127	8.41	0		0		141	35.43	0	
GFL003 06+50E	DIRT	Niton	XL3t	6/30/2012	60		0		116	7.75	0		0		295	36.19	0	
GFL003 06+75E	DIRT	Niton	XL3t	6/30/2012	60		0		99	7.2	0		0		374	37.85	0	
GFL003 07+00E	DIRT	Niton	XL3t	6/30/2012	60		0		98	7.41	0		0		158	35.34	0	
GFL003 07+25E	DIRT	Niton	XL3t	6/30/2012	60		0		123	7.91	0		0		269	36.54	0	
GFL003 07+50E	DIRT	Niton	XL3t	6/30/2012	60		0		192	9.81	0		0		194	35.24	0	
GFL003 07+75E	DIRT	Niton	XL3t	6/30/2012	60		12.44	8.06	181	9.72	0		0		197	35.27	0	
GFL003 08+00E	DIRT	Niton	XL3t	6/30/2012	60		18.87	8.42	180	9.47	0		0		139	34.2	0	
GFL003 08+25E	DIRT	Niton	XL3t	6/30/2012	60		13.61	8.26	160	9.2	0		0		126	35.19	0	
GFL003 08+50E	DIRT	Niton	XL3t	6/30/2012	60		0		197	10.1	0		0		152	35	0	
GFL003 08+75E	DIRT	Niton	XL3t	6/30/2012	60		17.23	8.45	141	8.55	0		0		293	36.54	0	
GFL003 09+00E	DIRT	Niton	XL3t	6/30/2012	60		0		191	9.78	0		0		144	34.45	0	
GFL003 09+25E	DIRT	Niton	XL3t	6/30/2012	60		13.43	7.72	186	9.53	0		0		275	35.48	0	
GFL003 09+50E	DIRT	Niton	XL3t	7/1/2012	60		18.6	8.48	85	6.7	0		0		351	36.81	0	
GFL003 09+75E	DIRT	Niton	XL3t	7/1/2012	60		16.39	8.64	149	8.85	0		0		285	36.68	0	
GFL003 10+00E	DIRT	Niton	XL3t	7/1/2012	60		19.71	9.18	195	10.1	0		0		149	34.52	0	
GFL003 10+25E	DIRT	Niton	XL3t	7/1/2012	60		0		152	8.65	0		0		329	36.46	0	
GFL003 10+50E	DIRT	Niton	XL3t	7/1/2012	60		16.53	8.79	123	8.19	0		0		167	35.65	0	
GFL003 10+75E	DIRT	Niton	XL3t	7/1/2012	60		15.53	9.4	78	7.01	0		0		458	40.41	0	
GFL003 11+00E	DIRT	Niton	XL3t	7/1/2012	60		0		173	9.53	0		0		0		0	
GFL003 11+25E	DIRT	Niton	XL3t	7/1/2012	60		15.22	8.62	200	10.33	0		0		113	34.54	0	
GFL003 11+50E	DIRT	Niton	XL3t	7/1/2012	60		13.17	8.33	144	8.74	0		0		176	34.98	0	
GFL003 11+75E	DIRT	Niton	XL3t	7/1/2012	60		19.47	8.89	144	8.73	0		0		231	35.29	0	
GFL003 12+00E	DIRT	Niton	XL3t	7/1/2012	60	9.82	21.55	9.49	130	8.45	0		0		205	36.21	0	
GFL003 12+25E	DIRT	Niton	XL3t	7/1/2012	60		17.55	8.77	190	10.04	0		0		118	34.77	0	
GFL003 12+50E	DIRT	Niton	XL3t	7/1/2012	60		0		191	9.86	0		0		147	34.22	0	
GFL003 12+75E	DIRT	Niton	XL3t	7/1/2012	60		0		182	9.62	0		0		0		0	
GFL003 13+00E	DIRT	Niton	XL3t	7/1/2012	60		0		167	9.2	0		0		190	34.98	0	
GFL003 13+25E	DIRT	Niton	XL3t	7/1/2012	60		0		234	11.32	0		0		0		0	
GFL003 13+50E	DIRT	Niton	XL3t	7/1/2012	60		0		83	6.65	0		0		260	35.77	0	
GFL003 13+75E	DIRT	Niton	XL3t	7/1/2012	40		0		240	10.86	0		0		193	77.17	0	
GFL003 14+00E	DIRT	Niton	XL3t	7/1/2012	60		12.64	8.27	190	10.03	0		0		82	33.3	0	
GFL003 14+25E	DIRT	Niton	XL3t	7/1/2012	60		14.94	8.73	104	7.53	0		0		344	37.42	0	
GFL003 14+50E	DIRT	Niton	XL3t	7/1/2012	60	8.42	15.5	8.32	233	11.02	0		0		0		0	
GFL003 14+75E	DIRT	Niton	XL3t	7/1/2012	60		15.96	8.55	188	9.84	0		0		219	35.53	0	
GFL003 15+00E	DIRT	Niton	XL3t	7/1/2012	60	8.35	21.21	8.82	153	8.87	0		0		108	33.99	0	
GFL003 15+25E	DIRT	Niton	XL3t	7/1/2012	60		18.23	8.82	170	9.46	0		0		91	33.9	0	
GFL003 15+50E	DIRT	Niton	XL3t	7/1/2012	60		12.83	8.38	103	7.52	0		0		211	36.28	0	
GFL003 15+75E	DIRT	Niton	XL3t	7/1/2012	60		14.68	8.49	120	8.07	0		0		0		0	
GFL003 16+00E	DIRT	Niton	XL3t	7/1/2012	60		0		152	8.97	0		0		352	37.04	0	
GFL003 16+25E	DIRT	Niton	XL3t	7/1/2012	60		12.87	8.01	161	9.01	0		0		187	34.88	0	

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
GFL003 16+50E	DIRT	Niton	XL3t	7/1/2012	60		23.46	9.79	113	7.91	0		0		244	36.49	0	
GFL003 16+75E	DIRT	Niton	XL3t	7/1/2012	60		26.62	10.16	106	7.92	0		0		276	37.94	0	
GFL003 17+00E	DIRT	Niton	XL3t	7/1/2012	60		0		208	10.66	0		0		0		0	
GFL003 17+25E	DIRT	Niton	XL3t	7/1/2012	60		0		209	10.31	0		0		0		0	
GFL003 17+50E	DIRT	Niton	XL3t	7/1/2012	60	8.59	14.56	8.21	168	9.3	0		0		111	33.82	0	
GFL003 17+75E	DIRT	Niton	XL3t	7/1/2012	60		14.13	8.3	159	9.09	0		0		57	33.39	0	
GFL003 18+00E	DIRT	Niton	XL3t	7/1/2012	60		0		156	9.4	0		0		0		0	
GFL003 18+25E	DIRT	Niton	XL3t	7/1/2012	46		13.49	8.4	124	8.19	0		0		148	52.55	0	
GFL003 18+50E	DIRT	Niton	XL3t	7/1/2012	52		17.77	9.02	156	9.11	0		0		0		0	
GFL003 18+75E	DIRT	Niton	XL3t	7/1/2012	60		16.54	8.56	166	9.26	0		0		86	33.13	0	
GFL003 19+00E	DIRT	Niton	XL3t	7/1/2012	60		0		141	8.68	0		0		111	34.44	0	
GFL003 19+25E	DIRT	Niton	XL3t	7/1/2012	60		0		162	9.48	0		0		130	35.83	0	
GFL003 19+50E	DIRT	Niton	XL3t	7/1/2012	60		0		194	10.12	0		0		188	35.23	0	
GFL003 19+75E	DIRT	Niton	XL3t	7/1/2012	60		24.86	9.81	185	10.04	0		0		102	34.53	0	
GFL003 20+00E	DIRT	Niton	XL3t	7/1/2012	58		13.12	8.36	225	10.91	0		0		0		0	
GFL003 20+25E	DIRT	Niton	XL3t	7/1/2012	60		0		203	10.05	0		0		0		0	
GFL003 20+50E	DIRT	Niton	XL3t	7/1/2012	60		0		164	9.15	0		0		0		0	
GFL003 20+75E	DIRT	Niton	XL3t	7/1/2012	60		24.57	9.46	121	8.06	0		0		210	35.62	0	
GFL003 21+00E	DIRT	Niton	XL3t	7/1/2012	60		0		153	8.91	0		0		170	34.69	0	
GFL003 21+25E	DIRT	Niton	XL3t	7/2/2012	60		12.23	8.11	180	9.69	0		0		0		0	
GFL003 21+50E	DIRT	Niton	XL3t	7/2/2012	60		0		158	9.09	0		0		59	33.11	0	
GFL003 21+75E	DIRT	Niton	XL3t	7/2/2012	60		0		157	9.33	0		0		0		0	
GFL003 22+00E	DIRT	Niton	XL3t	7/2/2012	60		0		124	8.26	0		0		0		0	
GFL003 22+25E	DIRT	Niton	XL3t	7/2/2012	60		0		170	9.74	0		0		191	35.79	0	
GFL003 22+50E	DIRT	Niton	XL3t	7/2/2012	60		0		127	8.44	0		0		191	36.25	0	
GFL003 22+75E	DIRT	Niton	XL3t	7/2/2012	60		0		138	8.86	0		0		0		0	
GFL003 23+00E	DIRT	Niton	XL3t	7/2/2012	60		0		118	7.96	0		0		57	33.66	0	
GFL003 23+25E	DIRT	Niton	XL3t	7/2/2012	60		0		143	9.16	0		0		0		0	
GFL003 23+50E	DIRT	Niton	XL3t	7/2/2012	60		0		139	8.72	0		0		111	34.1	0	
GFL003 23+75E	DIRT	Niton	XL3t	7/2/2012	60		12.93	8.5	129	8.38	0		0		288	37	0	
GFL003 24+00E	DIRT	Niton	XL3t	7/2/2012	60		0		175	9.61	0		0		0		0	
GFL003 24+25E	DIRT	Niton	XL3t	7/2/2012	60		15.39	8.93	97	7.34	0		0		450	38.89	0	
GFL003 24+50E	DIRT	Niton	XL3t	7/2/2012	60		0		150	8.96	0		0		218	36	0	
GFL003 24+75E	DIRT	Niton	XL3t	7/2/2012	60		0		171	9.47	0		0		115	34.25	0	
GFL003 25+00E	DIRT	Niton	XL3t	7/2/2012	60		13.09	8.08	206	10.21	0		0		90	34.25	0	
GFL003 25+25E	DIRT	Niton	XL3t	7/2/2012	60		0		216	10.61	0		0		0		0	
GFL003 25+50E	DIRT	Niton	XL3t	7/2/2012	60		0		191	9.79	0		0		219	35.32	0	
GFL003 25+75E	DIRT	Niton	XL3t	7/2/2012	60		0		85	6.83	0		0		425	38.12	0	
GFL003 26+00E	DIRT	Niton	XL3t	7/2/2012	60		0		139	8.67	0		0		257	36.37	0	
GFL003 26+25E	DIRT	Niton	XL3t	7/2/2012	60		0		108	7.76	0		0		500	39.42	0	
GFL003 26+50E	DIRT	Niton	XL3t	7/2/2012	60		0		108	7.77	0		0		431	38.91	0	
GFL003 26+75E	DIRT	Niton	XL3t	7/2/2012	60		15	8.76	102	7.45	0		0		280	36.23	0	
GFL003 27+00E	DIRT	Niton	XL3t	7/2/2012	60		14.93	8.41	128	8.17	0		0		401	38.13	0	
GFL003 27+25E	DIRT	Niton	XL3t	7/2/2012	60		0		102	7.52	0		0		303	37.41	0	
GFL003 27+50E	DIRT	Niton	XL3t	7/2/2012	60		0		136	8.49	0		0		136	34.26	0	

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
GFL003 27+75E	DIRT	Niton	XL3t	7/2/2012	60		0		170	9.32	0		0		167	34.53	0	
GFL003 28+00E	DIRT	Niton	XL3t	7/2/2012	60		0		144	8.79	0		0		273	36.74	0	
GFL003 28+25E	DIRT	Niton	XL3t	7/2/2012	60		12.28	8.04	130	8.26	0		0		230	35.65	0	
GFL003 28+50E	DIRT	Niton	XL3t	7/2/2012	60		0		101	7.31	0		0		393	37.73	19.52	12.58
GFL003 28+75E	DIRT	Niton	XL3t	7/2/2012	60		0		159	9.11	0		0		197	35.38	0	
GFL003 29+00E	DIRT	Niton	XL3t	7/2/2012	60		13.79	8.37	109	7.56	0		0		374	37.74	19.63	12.66
GFL003 29+25E	DIRT	Niton	XL3t	7/2/2012	60		13.06	8.07	171	9.32	0		0		244	35.6	0	
GFL003 29+50E	DIRT	Niton	XL3t	7/2/2012	60		17.67	8.52	130	8.15	0		0		352	37.58	0	
GFL003 29+75E	DIRT	Niton	XL3t	7/2/2012	60		0		144	8.47	0		0		312	36.28	0	
GFL003 30+00E	DIRT	Niton	XL3t	7/2/2012	60		0		158	9.04	0		0		299	36.52	0	
GFL003 30+25E	DIRT	Niton	XL3t	7/2/2012	60		21.62	9.04	101	7.32	0		21.14	11.44	520	39.72	27.02	13.08
GFL003 30+50E	DIRT	Niton	XL3t	7/2/2012	60		12.03	7.88	150	8.69	0		0		324	36.44	0	
GFL003 30+75E	DIRT	Niton	XL3t	7/2/2012	60		0		142	8.51	0		0		302	36.26	0	
GFL003 31+00E	DIRT	Niton	XL3t	7/2/2012	60		0		132	8.33	0		0		338	37.47	0	
GFL003 31+25E	DIRT	Niton	XL3t	7/2/2012	60		18.22	8.77	129	8.21	0		0		408	37.94	0	
GFL003 31+50E	DIRT	Niton	XL3t	7/2/2012	60		0		112	7.74	0		0		301	36.4	0	
GFL004 00+50E	DIRT	Niton	XL3t	7/3/2012	60		13	8.24	171	9.75	0		0		317	38.52	0	
GFL004 00+75E	DIRT	Niton	XL3t	7/3/2012	60		0		168	9.87	0		0		282	38.9	0	
GFL004 01+00E	DIRT	Niton	XL3t	7/3/2012	60		15.26	8.54	134	8.59	0		0		227	36.94	0	
GFL004 01+25E	DIRT	Niton	XL3t	7/3/2012	60		0		139	8.94	0		0		281	38.17	0	
GFL004 01+50E	DIRT	Niton	XL3t	7/3/2012	60		0		149	9.01	0		0		253	36.52	0	
GFL004 01+75E	DIRT	Niton	XL3t	7/3/2012	60		13.47	8.37	118	8.04	0		0		385	39.32	0	
GFL004 02+00E	DIRT	Niton	XL3t	7/3/2012	60		16.5	8.76	134	8.51	0		0		200	35.92	0	
GFL004 02+25E	DIRT	Niton	XL3t	7/3/2012	60		0		114	7.83	0		0		349	37.82	20.9	12.77
GFL004 02+50E	DIRT	Niton	XL3t	7/3/2012	60		0		211	10.52	0		0		280	36.75	0	
GFL004 02+75E	DIRT	Niton	XL3t	7/3/2012	60		0		242	11.1	0		0		138	34.47	0	
GFL004 03+00E	DIRT	Niton	XL3t	7/3/2012	60		0		258	11.41	0		0		121	34.36	0	
GFL004 03+25E	DIRT	Niton	XL3t	7/3/2012	60		0		259	11.43	0		0		127	34.7	0	
GFL004 03+50E	DIRT	Niton	XL3t	7/3/2012	60		0		158	9.09	0		0		308	37.17	0	
GFL004 03+75E	DIRT	Niton	XL3t	7/3/2012	60		0		228	10.65	0		0		72	33.61	0	
GFL004 04+00E	DIRT	Niton	XL3t	7/3/2012	60		0		226	10.78	0		0		87	33.82	0	
GFL004 04+25E	DIRT	Niton	XL3t	7/3/2012	60		0		262	11.44	0		0		0		0	
GFL004 04+50E	DIRT	Niton	XL3t	7/3/2012	60		17.09	8.32	210	10.34	0		0		90	34.29	0	
GFL004 04+75E	DIRT	Niton	XL3t	7/3/2012	60		0		223	10.72	0		0		0		0	
GFL004 05+00E	DIRT	Niton	XL3t	7/3/2012	60		0		250	11.39	0		0		0		0	
GFL004 05+25E	DIRT	Niton	XL3t	7/3/2012	60		0		188	9.85	0		0		224	35.59	0	
GFL004 05+50E	DIRT	Niton	XL3t	7/3/2012	60		13.88	8	118	7.85	0		18.51	11.38	434	38.86	38.08	13.18
GFL004 05+75E	DIRT	Niton	XL3t	7/3/2012	60		13.32	7.79	247	11.08	0		0		100	33.73	0	
GFL004 06+00E	DIRT	Niton	XL3t	7/3/2012	60		0		184	9.62	0		0		212	35.8	0	
GFL004 06+25E	DIRT	Niton	XL3t	7/3/2012	60		0		180	9.52	0		0		274	35.9	0	
GFL004 06+50E	DIRT	Niton	XL3t	7/3/2012	60		13.2	7.87	221	10.46	0		0		183	34.72	0	
GFL004 06+75E	DIRT	Niton	XL3t	7/3/2012	60		0		134	8.2	0		0		337	37.13	0	
GFL004 07+00E	DIRT	Niton	XL3t	7/3/2012	60		0		131	8.09	0		0		305	36.05	0	
GFL005 00+00	DIRT	Niton	XL3t	7/4/2012	60		0		135	8.33	0		0		91	33.74	0	
GFL005 00+25E	DIRT	Niton	XL3t	7/4/2012	60	8.43	14.36	8.09	139	8.52	0		0		164	34.75	0	

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
GFL005 00+50E	DIRT	Niton	XL3t	7/4/2012	60		12.74	8.05	155	9.02	0		0		113	34.39	0	
GFL005 00+75E	DIRT	Niton	XL3t	7/4/2012	60		19.55	8.91	160	9.22	0		0		0		0	
GFL005 01+00E	DIRT	Niton	XL3t	7/4/2012	60		25.15	9.95	103	7.72	0		0		83	34.84	0	
GFL005 01+25E	DIRT	Niton	XL3t	7/4/2012	60		0		169	9.46	0		0		152	34.55	0	
GFL005 01+50E	DIRT	Niton	XL3t	7/4/2012	60		13.85	8.09	156	8.97	0		0		170	34.85	0	
GFL005 01+75E	DIRT	Niton	XL3t	7/4/2012	60		0		170	9.81	0		0		0		0	
GFL005 02+00E	DIRT	Niton	XL3t	7/4/2012	60		18.72	8.95	139	8.64	0		0		186	35.39	0	
GFL005 02+25E	DIRT	Niton	XL3t	7/4/2012	60		0		185	9.72	0		0		0		0	
GFL005 02+50E	DIRT	Niton	XL3t	7/4/2012	60		12.85	8.53	118	8.01	0		0		347	38.06	0	
GFL005 02+75E	DIRT	Niton	XL3t	7/4/2012	60		14.59	8.57	145	8.75	0		0		227	36.52	0	
GFL005 03+00E	DIRT	Niton	XL3t	7/4/2012	60		24.28	9.33	135	8.39	0		0		259	36.5	0	
GFL005 03+25E	DIRT	Niton	XL3t	7/4/2012	60		14.67	8.57	180	9.72	0		0		255	36.13	0	
GFL005 03+50E	DIRT	Niton	XL3t	7/4/2012	60	11.39	20.59	9.76	123	8.54	0		0		248	38.14	0	
GFL005 03+75E	DIRT	Niton	XL3t	7/4/2012	60	11.24	0		130	8.34	0		0		192	35.52	0	
GFL005 04+00E	DIRT	Niton	XL3t	7/4/2012	60		15.31	8.65	126	8.22	0		0		279	36.37	0	
GFL005 04+25E	DIRT	Niton	XL3t	7/4/2012	60	10.5	0		152	8.96	0		0		278	36.99	0	
GFL005 04+50E	DIRT	Niton	XL3t	7/4/2012	60		0		170	9.25	0		0		95	33.09	0	
GFL005 04+75E	DIRT	Niton	XL3t	7/4/2012	60		15.46	8.4	180	9.65	0		0		222	35.6	0	
GFL005 05+00E	DIRT	Niton	XL3t	7/4/2012	60		0		151	8.94	0		0		253	36.55	0	
GFL005 05+25E	DIRT	Niton	XL3t	7/4/2012	60		0		134	8.28	0		0		284	35.91	0	
GFL005 05+50E	DIRT	Niton	XL3t	7/4/2012	60		0		148	8.7	0		0		291	36.05	0	
GFL005 05+75E	DIRT	Niton	XL3t	7/4/2012	60		14.45	8.74	117	7.91	0		0		311	36.75	0	
GFL005 06+00E	DIRT	Niton	XL3t	7/4/2012	60		0		163	9.15	0		0		102	33.68	0	
GFL005 06+25E	DIRT	Niton	XL3t	7/4/2012	60	9.34	0		202	9.98	0		0		78	32.85	0	
GFL005 06+50E	DIRT	Niton	XL3t	7/4/2012	60		0		188	9.77	0		0		263	36.35	0	
GFL005 06+75E	DIRT	Niton	XL3t	7/4/2012	60		13.46	8.37	148	8.82	0		0		314	37.25	0	
GFL005 07+00E	DIRT	Niton	XL3t	7/4/2012	60		17.83	9.03	143	8.65	0		0		277	36.4	0	
GFL005 07+25E	DIRT	Niton	XL3t	7/4/2012	60		14.87	8.82	145	8.81	0		0		232	36.28	0	
GFL005 07+50E	DIRT	Niton	XL3t	7/4/2012	60		17.79	8.88	173	9.49	0		0		69	34.01	0	
GFL005 07+75E	DIRT	Niton	XL3t	7/4/2012	60		18.67	9.78	181	9.76	0		0		292	36.64	0	
GFL005 08+00E	DIRT	Niton	XL3t	7/4/2012	60		14.27	8.63	209	10.41	0		0		0		0	
GFL005 08+25E	DIRT	Niton	XL3t	7/4/2012	60		13.12	8.3	217	10.47	0		0		182	34.59	0	
GFL005 08+50E	DIRT	Niton	XL3t	7/4/2012	60		0		164	9.28	0		0		200	35.71	0	
GFL005 08+75E	DIRT	Niton	XL3t	7/4/2012	60		0		244	11.25	0		0		62	33.83	0	
GFL005 09+00E	DIRT	Niton	XL3t	7/4/2012	60		0		177	9.55	0		0		188	35.4	0	
GFL005 09+25E	DIRT	Niton	XL3t	7/4/2012	60		17.22	8.65	106	7.48	0		0		364	37	0	
GFL005 09+50E	DIRT	Niton	XL3t	7/4/2012	60		13.34	8.09	150	8.78	0		0		252	35.38	0	
GFL005 09+75E	DIRT	Niton	XL3t	7/4/2012	60		12.86	8.24	148	8.73	0		0		81	33.76	0	
GFL005 10+00E	DIRT	Niton	XL3t	7/4/2012	60		0		129	8.31	0		0		102	34.18	0	
GFL005 10+25E	DIRT	Niton	XL3t	7/4/2012	60		15.47	8.46	136	8.39	0		0		280	36.01	0	
GFL005 10+50E	DIRT	Niton	XL3t	7/4/2012	60		15.31	8.42	167	9.22	0		0		223	35.35	0	
GFL005 10+75E	DIRT	Niton	XL3t	7/4/2012	60		15.32	8.62	124	8.09	0		0		335	37.35	20.32	12.62
GFL005 11+00E	DIRT	Niton	XL3t	7/4/2012	60		13.19	8.65	113	7.86	0		0		420	38.7	0	
GFL005 11+25E	DIRT	Niton	XL3t	7/4/2012	60		0		104	7.49	0		0		390	37.91	0	
GFL005 11+50E	DIRT	Niton	XL3t	7/4/2012	60		0		104	7.54	0		0		324	37.29	0	

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
GFL005 11+75E	DIRT	Niton	XL3t	7/4/2012	60		0		97	7.21	0		0		260	36.43	0	
GFL005 12+00E	DIRT	Niton	XL3t	7/4/2012	60		13.91	8.31	109	7.63	0		0		371	37.47	0	
GFL005 12+25E	DIRT	Niton	XL3t	7/4/2012	60		0		120	7.94	0		0		234	35.93	0	
GFL005 12+50E	DIRT	Niton	XL3t	7/4/2012	60		15.57	8.84	116	7.96	0		0		136	34.46	0	
GFL005 12+75E	DIRT	Niton	XL3t	7/4/2012	60		17.47	8.53	121	7.92	0		0		285	36.54	0	
GFL005 13+00E	DIRT	Niton	XL3t	7/4/2012	60		0		121	7.94	0		0		290	36.14	0	
GFL005 13+25E	DIRT	Niton	XL3t	7/4/2012	60		0		166	9.32	0		0		252	36.27	0	
GFL005 13+50E	DIRT	Niton	XL3t	7/4/2012	60		0		171	9.33	0		0		221	35.78	0	
GFL005 13+75E	DIRT	Niton	XL3t	7/4/2012	60		0		146	8.79	0		0		241	36.34	0	
GFL005 14+00E	DIRT	Niton	XL3t	7/4/2012	60		0		191	9.99	0		0		398	38.05	0	
GFL005 14+25E	DIRT	Niton	XL3t	7/4/2012	60		0		196	9.93	0		0		178	34.52	0	
GFL005 14+50E	DIRT	Niton	XL3t	7/4/2012	60		0		173	9.3	0		0		296	35.6	0	
GFL005 14+75E	DIRT	Niton	XL3t	7/4/2012	60	8.32	0		174	9.51	0		0		178	35.46	0	
GFL005 15+00E	DIRT	Niton	XL3t	7/4/2012	60		0		110	7.59	0		0		338	36.88	0	
GFL005 15+25E	DIRT	Niton	XL3t	7/5/2012	60		0		146	8.66	0		0		154	34.98	0	
GFL005 15+50E	DIRT	Niton	XL3t	7/5/2012	60		0		123	8.07	0		0		177	35.78	0	
GFL005 15+75E	DIRT	Niton	XL3t	7/5/2012	60		13.61	8.29	122	8.03	0		0		172	34.98	0	
GFL005 16+00E	DIRT	Niton	XL3t	7/5/2012	60		20.18	9.26	188	10.11	0		0		0		0	
GFL005 16+25E	DIRT	Niton	XL3t	7/5/2012	60		0		129	8.28	0		0		111	34.25	0	
GFL005 16+50E	DIRT	Niton	XL3t	7/5/2012	60		0		148	8.86	0		0		101	33.6	0	
GFL005 16+75E	DIRT	Niton	XL3t	7/5/2012	60		0		147	8.84	0		0		0		0	
GFL005 17+00E	DIRT	Niton	XL3t	7/5/2012	60		14.83	8.66	159	9.32	0		0		0		0	
GFL005 17+25E	DIRT	Niton	XL3t	7/5/2012	60		16.37	8.57	139	8.61	0		0		0		0	
GFL005 17+50E	DIRT	Niton	XL3t	7/5/2012	60		0		192	10.08	0		0		0		0	
GFL005 17+75E	DIRT	Niton	XL3t	7/5/2012	60		12.59	7.97	189	9.76	0		0		194	34.8	0	
GFL005 18+00E	DIRT	Niton	XL3t	7/5/2012	60		0		127	8.02	0		0		289	35.61	0	
GFL005 18+25E	DIRT	Niton	XL3t	7/5/2012	60		16.67	8.53	165	9.32	0		0		68	33.91	0	
GFL005 18+50E	DIRT	Niton	XL3t	7/5/2012	60		13.3	8.27	172	9.41	0		0		165	34.56	0	
GFL005 18+75E	DIRT	Niton	XL3t	7/5/2012	60		14.49	8.47	147	8.79	0		0		162	35.07	0	
GFL005 19+00E	DIRT	Niton	XL3t	7/5/2012	60		0		134	8.37	0		0		274	36.32	0	
GFL005 19+25E	DIRT	Niton	XL3t	7/5/2012	46		0		101	7.41	0		0		204	55.21	0	
GFL005 19+50E	DIRT	Niton	XL3t	7/5/2012	60		15.6	8.53	139	8.59	0		0		196	35.62	0	
GFL005 19+75E	DIRT	Niton	XL3t	7/5/2012	60		19.15	8.62	90	6.91	0		0		139	33.97	0	
GFL005 20+25E	DIRT	Niton	XL3t	7/5/2012	60		19.44	9.3	177	9.81	0		0		179	35.9	0	
GFL005 20+50E	DIRT	Niton	XL3t	7/5/2012	60		0		78	6.49	0		17.07	11.22	474	38.86	0	
GFL005 20+75E	DIRT	Niton	XL3t	7/5/2012	60		0		163	9.06	0		0		320	36.69	0	
GFL005 21+00E	DIRT	Niton	XL3t	7/5/2012	60		12.66	8.06	137	8.42	0		0		197	35.15	0	
GFL005 21+25E	DIRT	Niton	XL3t	7/5/2012	60		0		160	8.99	0		0		209	35.02	0	
GFL005 21+50E	DIRT	Niton	XL3t	7/5/2012	60		0		151	8.74	0		0		91	33.39	0	
GFL005 21+75E	DIRT	Niton	XL3t	7/5/2012	60		0		188	9.78	0		0		81	33	0	
GFL005 22+00E	DIRT	Niton	XL3t	7/5/2012	60		0		176	9.47	0		0		213	34.88	0	
GFL005 22+25E	DIRT	Niton	XL3t	7/5/2012	60		12.7	8.08	129	8.14	0		0		356	37.05	0	
GFL005 22+50E	DIRT	Niton	XL3t	7/5/2012	60		0		145	8.65	0		0		236	35.77	0	
GFL005 22+75E	DIRT	Niton	XL3t	7/5/2012	60		0		166	9.38	0		0		296	36.54	0	
GFL005 23+00E	DIRT	Niton	XL3t	7/5/2012	60		0		176	9.48	0		0		385	38.24	20.4	12.8

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
GFL005 23+25E	DIRT	Niton	XL3t	7/5/2012	60		17.54	8.4	122	7.89	0		0		258	35.5	0	
GFL005 23+50E	DIRT	Niton	XL3t	7/5/2012	60		0		168	9.27	0		0		252	36.41	0	
GFL005 23+75E	DIRT	Niton	XL3t	7/5/2012	60		0		168	9.38	0		0		213	35.39	0	
GFL005 24+00E	DIRT	Niton	XL3t	7/5/2012	60		0		196	9.99	0		0		222	35.36	0	
GFL005 24+25E	DIRT	Niton	XL3t	7/5/2012	60		0		199	9.95	0		0		172	34.65	0	
GFL005 24+50E	DIRT	Niton	XL3t	7/5/2012	60		15.21	8	161	8.89	0		0		366	37.23	0	
GFL005 24+75E	DIRT	Niton	XL3t	7/5/2012	60		12	7.94	174	9.47	0		0		0		0	
GFL005 25+00E	DIRT	Niton	XL3t	7/5/2012	60		0		137	8.46	0		0		148	34.58	0	
GFL005 25+25E	DIRT	Niton	XL3t	7/5/2012	60		0		169	9.23	0		0		184	35.05	0	
GFL005 25+50E	DIRT	Niton	XL3t	7/5/2012	60		0		87	6.86	0		0		396	38.22	0	
GFL005 25+75E	DIRT	Niton	XL3t	7/5/2012	60		15.07	8.04	187	9.57	0		0		267	35.64	0	
GFL005 26+00E	DIRT	Niton	XL3t	7/5/2012	60		17.32	8.31	153	8.78	0		0		264	36.07	0	
GFL005 26+25E	DIRT	Niton	XL3t	7/5/2012	60		0		137	8.31	0		0		295	35.86	0	
GFL005 26+50E	DIRT	Niton	XL3t	7/5/2012	60		13.2	7.99	132	8.3	0		0		387	38.15	19.9	12.76
GFL005 26+75E	DIRT	Niton	XL3t	7/5/2012	60		0		164	9.26	0		0		326	37.93	0	
GFL005 27+00E	DIRT	Niton	XL3t	7/5/2012	60		0		95	6.92	0		0		322	36.11	0	
GFL005 27+25E	DIRT	Niton	XL3t	7/5/2012	60		0		90	6.78	0		16.74	10.82	359	36.46	0	
GFL005 27+50E	DIRT	Niton	XL3t	7/5/2012	60		15.27	8.35	130	8.14	0		0		357	36.91	0	
GFL005 27+75E	DIRT	Niton	XL3t	7/5/2012	60		0		210	10.42	0		0		0		0	
GFL005 28+00E	DIRT	Niton	XL3t	7/5/2012	60		0		165	9.24	0		0		210	35.97	0	
GFL005 28+25E	DIRT	Niton	XL3t	7/5/2012	60		16.56	8.39	173	9.48	0		0		0		0	
GFL005 28+50E	DIRT	Niton	XL3t	7/5/2012	60		0		179	9.27	0		0		77	33.17	0	
GFL005 28+75E	DIRT	Niton	XL3t	7/5/2012	60		0		192	9.78	0		0		199	35.32	0	
GFL005 29+00E	DIRT	Niton	XL3t	7/5/2012	60		13.23	7.91	199	9.9	0		0		93	33.15	0	
GFL005 29+25E	DIRT	Niton	XL3t	7/5/2012	60		0		211	10.32	0		0		177	35.3	0	
GFL005 29+50E	DIRT	Niton	XL3t	7/5/2012	60		0		175	9.39	0		0		326	36.28	0	
GFL005 29+75E	DIRT	Niton	XL3t	7/5/2012	60		0		196	9.8	0		0		170	34.31	0	
GFL005 30+00E	DIRT	Niton	XL3t	7/5/2012	60		16.34	8.11	174	9.18	0		0		198	34.32	0	
GFL005 30+25E	DIRT	Niton	XL3t	7/6/2012	60		0		233	10.93	0		0		72	33.83	0	
GFL005 30+75E	DIRT	Niton	XL3t	7/6/2012	60		0		199	10.43	0		0		293	37.68	0	
GFL005 31+00E	DIRT	Niton	XL3t	7/6/2012	60		0		220	10.75	0		0		95	34.74	0	
GFL005 31+25E	DIRT	Niton	XL3t	7/6/2012	60		0		173	9.4	0		0		290	36.69	0	
GFL005 31+50E	DIRT	Niton	XL3t	7/6/2012	60		15.39	8.28	200	10.26	0		0		99	34.24	0	
GFL005 31+75E	DIRT	Niton	XL3t	7/6/2012	60		12.63	8.35	138	8.92	0		0		431	41.21	41.33	14.04
GFL005 32+25E	DIRT	Niton	XL3t	7/6/2012	60		0		168	9.92	0		0		162	37.3	0	
GFL005 32+50E	DIRT	Niton	XL3t	7/6/2012	60		0		165	9.58	0		0		338	38.92	0	
GFL005 32+75E	DIRT	Niton	XL3t	7/6/2012	60		20.68	8.97	169	9.59	0		0		202	36.66	0	
GFL005 33+00E	DIRT	Niton	XL3t	7/6/2012	60		17.69	8.58	141	8.62	0		0		304	36.88	0	
GFL005 33+25E	DIRT	Niton	XL3t	7/6/2012	60		0		149	8.88	0		0		330	37.47	0	
GFL005 33+50E	DIRT	Niton	XL3t	7/6/2012	60		0		258	11.55	0		0		102	34.21	0	
GFL005 33+75E	DIRT	Niton	XL3t	7/6/2012	60		0		232	10.8	0		0		213	35.49	0	
GFL005 34+00E	DIRT	Niton	XL3t	7/6/2012	60		0		241	11.1	0		0		219	35.93	0	
GFL005 34+25E	DIRT	Niton	XL3t	7/6/2012	60		0		223	10.65	0		0		263	36.41	0	
GFL005 34+50E	DIRT	Niton	XL3t	7/6/2012	60		16.67	8.96	90	7.17	0		0		384	38.89	0	
GFL005 34+75E	DIRT	Niton	XL3t	7/6/2012	60		13.43	8.55	103	7.57	0		0		269	37.62	0	

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
GFL005 35+00E	DIRT	Niton	XL3t	7/6/2012	60		0		205	10.51	0		0		192	35.62	0	
GFL005 35+25E	DIRT	Niton	XL3t	7/6/2012	60		14.73	8.04	92	6.97	0		24.8	11.3	371	37.7	0	
GFL005 35+50E	DIRT	Niton	XL3t	7/6/2012	60		0		150	8.83	0		0		309	36.86	0	
GFL005 35+75E	DIRT	Niton	XL3t	7/6/2012	60		12.5	8.03	117	7.8	0		0		282	36.11	0	
GFL005 36+00E	DIRT	Niton	XL3t	7/6/2012	60		13.01	7.9	207	10.14	0		0		238	35.12	0	
GFL005 36+25E	DIRT	Niton	XL3t	7/6/2012	60		0		153	9.01	0		0		274	36.84	0	
GFL005 36+50E	DIRT	Niton	XL3t	7/6/2012	60	14.85	34.2	11.53	161	9.71	0		0		0		0	
GFL005 36+75E	DIRT	Niton	XL3t	7/6/2012	60		24.93	10.31	158	9.34	0		0		390	39.42	0	
GFL005 37+00E	DIRT	Niton	XL3t	7/6/2012	60		16.32	9.11	129	8.51	0		0		432	39.65	19.82	13.12
GFL006 00+00	DIRT	Niton	XL3t	7/6/2012	60		11.82	7.55	148	8.68	0		0		259	35.95	0	
GFL006 00+25W	DIRT	Niton	XL3t	7/6/2012	60		12.03	7.7	174	9.44	0		0		245	35.98	0	
GFL006 00+50E	DIRT	Niton	XL3t	7/6/2012	60		12.09	7.69	171	9.23	0		0		283	35.58	0	
GFL006 00+75W	DIRT	Niton	XL3t	7/6/2012	60		0		188	9.75	0		0		184	34.93	0	
GFL006 01+00W	DIRT	Niton	XL3t	7/6/2012	60		0		181	9.6	0		0		190	35.42	0	
GFL006 01+25W	DIRT	Niton	XL3t	7/6/2012	60		0		170	9.37	0		0		227	35.67	0	
GFL006 01+50W	DIRT	Niton	XL3t	7/6/2012	60		12.91	8.05	185	9.69	0		0		147	34.04	0	
GFL006 01+75W	DIRT	Niton	XL3t	7/6/2012	60		0		144	8.72	0		0		208	35.98	0	
GFL006 02+00W	DIRT	Niton	XL3t	7/6/2012	60		0		217	10.54	0		0		0		0	
GFL006 02+25W	DIRT	Niton	XL3t	7/6/2012	60		12.18	7.83	227	10.7	0		0		134	34.22	0	
GFL006 02+50W	DIRT	Niton	XL3t	7/6/2012	60		13.78	8.04	230	10.77	0		0		60	33.12	0	
GFL006 02+75W	DIRT	Niton	XL3t	7/6/2012	60		0		214	10.44	0		0		235	35.96	0	
GFL006 03+00W	DIRT	Niton	XL3t	7/6/2012	60		14.93	8.22	180	9.56	0		0		299	37.01	0	
GFL006 03+25W	DIRT	Niton	XL3t	7/6/2012	60		12.23	7.94	177	9.5	0		0		162	34.97	0	
GFL006 03+50W	DIRT	Niton	XL3t	7/6/2012	60		0		126	8.08	0		0		397	38.1	0	
GFL006 03+75W	DIRT	Niton	XL3t	7/6/2012	60		0		122	8.15	0		0		286	37.13	0	
GFL006 04+00W	DIRT	Niton	XL3t	7/6/2012	60		0		179	9.57	0		0		184	35.97	0	
GFL006 04+25W	DIRT	Niton	XL3t	7/8/2012	60	7.87	21.03	8.78	221	10.73	0		0		0		0	
GFL006 04+50W	DIRT	Niton	XL3t	7/8/2012	60		0		152	9.24	0		0		110	35.77	0	
GFL006 04+75W	DIRT	Niton	XL3t	7/8/2012	60		0		152	9.05	0		0		223	36.37	0	
GFL006 05+00W	DIRT	Niton	XL3t	7/8/2012	60		0		198	10.35	0		0		0		0	
GFL006 05+25W	DIRT	Niton	XL3t	7/8/2012	60		0		166	9.7	0		0		81	35.4	0	
GFL006 05+50W	DIRT	Niton	XL3t	7/8/2012	60		0		250	11.22	0		0		0		0	
GFL006 05+75W	DIRT	Niton	XL3t	7/8/2012	60		14.47	8.67	99	7.59	0		0		96	35.35	0	
GFL006 06+00W	DIRT	Niton	XL3t	7/8/2012	60		0		278	11.91	0		0		0		0	
GFL006 06+25W	DIRT	Niton	XL3t	7/8/2012	60		14.7	7.94	163	9.09	0		0		84	34.46	0	
GFL006 06+50W	DIRT	Niton	XL3t	7/8/2012	60		11.88	7.82	175	9.59	0		0		0		0	
GFL006 06+75W	DIRT	Niton	XL3t	7/8/2012	60		14.98	8.21	202	10.29	0		0		0		0	
GFL006 07+00W	DIRT	Niton	XL3t	7/8/2012	60		0		176	9.36	0		0		165	34.82	0	
GFL006 07+25W	DIRT	Niton	XL3t	7/8/2012	60		0		184	9.85	0		0		147	35.17	0	
GFL006 07+50W	DIRT	Niton	XL3t	7/8/2012	60		17.39	8.48	169	9.42	0		0		72	33.76	0	
GFL006 07+75W	DIRT	Niton	XL3t	7/8/2012	60		0		191	9.86	0		0		135	34.41	0	
GFL006 08+00W	DIRT	Niton	XL3t	7/8/2012	60		0		220	10.37	0		0		138	34.14	0	
GFL006 08+25W	DIRT	Niton	XL3t	7/8/2012	60		0		89	6.77	0		0		220	35.29	0	
GFL006 08+50W	DIRT	Niton	XL3t	7/8/2012	60		14.26	8.01	163	9.1	0		0		207	34.85	0	
GFL006 08+75W	DIRT	Niton	XL3t	7/8/2012	60		0		180	9.4	0		0		165	33.78	0	

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
GFL006 09+00W	DIRT	Niton	XL3t	7/8/2012	60		0		178	9.55	0		0		62	33.34	0	
GFL006 09+25W	DIRT	Niton	XL3t	7/8/2012	60		15.71	8.1	193	9.85	0		0		121	33.95	0	
GFL006 09+50W	DIRT	Niton	XL3t	7/8/2012	60		12.87	7.8	187	9.71	0		0		78	33.3	0	
GFL006 09+75W	DIRT	Niton	XL3t	7/8/2012	60		12.1	7.77	137	8.3	0		0		249	35.53	0	
GFL006 10+00W	DIRT	Niton	XL3t	7/8/2012	60		0		185	9.68	0		0		166	34.46	0	
GFL006 10+25W	DIRT	Niton	XL3t	7/8/2012	60		13.83	7.94	179	9.46	0		0		316	36.88	0	
GFL006 10+50W	DIRT	Niton	XL3t	7/8/2012	60		0		219	10.56	0		0		153	34.72	0	
GFL006 10+75W	DIRT	Niton	XL3t	7/8/2012	60		12.05	7.93	248	11.18	0		0		180	35.03	0	
GFL006 11+00W	DIRT	Niton	XL3t	7/8/2012	60		14.98	8.4	175	9.48	0		0		284	36.69	0	
GFL006 11+25W	DIRT	Niton	XL3t	7/8/2012	60		18.6	8.7	202	10.15	0		0		135	34.13	0	
GFL006 11+50W	DIRT	Niton	XL3t	7/8/2012	60		13.23	7.92	187	9.64	0		0		276	36.08	0	
GFL006 11+75W	DIRT	Niton	XL3t	7/8/2012	60		12.09	7.82	100	7.2	0		0		298	36.93	0	
GFL006 12+00W	DIRT	Niton	XL3t	7/9/2012	60		0		192	9.81	0		0		201	35.21	0	
GFL006 12+25W	DIRT	Niton	XL3t	7/9/2012	60		0		205	10.19	0		0		149	34.08	0	
GFL006 12+50W	DIRT	Niton	XL3t	7/9/2012	60		0		188	9.74	0		0		180	34.89	0	
GFL006 12+75W	DIRT	Niton	XL3t	7/9/2012	60		0		169	9.28	0		0		317	36.72	0	
GFL006 13+00W	DIRT	Niton	XL3t	7/9/2012	60		0		152	8.72	0		0		252	35.82	0	
GFL006 13+25W	DIRT	Niton	XL3t	7/9/2012	60		19.13	8.6	172	9.31	0		0		245	35.57	0	
GFL006 13+50W	DIRT	Niton	XL3t	7/9/2012	60		0		189	9.73	0		0		199	35.13	0	
GFL006 13+75W	DIRT	Niton	XL3t	7/9/2012	60		0		155	9.01	0		0		135	34.71	0	
GFL006 14+00W	DIRT	Niton	XL3t	7/9/2012	60		0		156	8.94	0		0		287	36.4	0	
GFL006 14+25W	DIRT	Niton	XL3t	7/9/2012	60		0		125	8.02	0		0		189	35.15	0	
GFL006 14+50W	DIRT	Niton	XL3t	7/9/2012	60		15.65	8.13	173	9.26	0		0		341	36.45	0	
GFL006 14+75W	DIRT	Niton	XL3t	7/9/2012	60		12.69	7.81	127	8.05	0		0		275	36.15	0	
GFL006 15+00W	DIRT	Niton	XL3t	7/9/2012	60		0		92	6.9	0		0		261	35.64	0	
GFL006 15+25W	DIRT	Niton	XL3t	7/9/2012	60		0		157	8.87	0		0		149	33.92	0	
GFL006 15+50W	DIRT	Niton	XL3t	7/9/2012	60		18.37	8.58	150	8.75	0		0		155	34.27	0	
GFL006 15+75W	DIRT	Niton	XL3t	7/9/2012	60		0		191	9.76	0		0		119	34.05	0	
GFL006 16+00W	DIRT	Niton	XL3t	7/9/2012	60		0		219	10.48	0		0		189	35.37	0	
GFL006 16+75W	DIRT	Niton	XL3t	7/9/2012	60		29.95	10.02	165	9.39	0		0		189	35.61	0	
GFL006 17+00W	DIRT	Niton	XL3t	7/9/2012	60		0		159	8.95	0		0		243	35.95	0	
GFL006 17+25W	DIRT	Niton	XL3t	7/9/2012	60		0		185	9.79	0		0		104	33.65	0	
GFL006 17+50W	DIRT	Niton	XL3t	7/9/2012	60		19.08	9.01	196	10.17	0		0		116	34.95	0	
GFL006 17+75W	DIRT	Niton	XL3t	7/9/2012	60		0		160	9.02	0		0		150	34.35	0	
GFL006 18+00W	DIRT	Niton	XL3t	7/9/2012	60		13.01	7.98	180	9.5	0		0		188	35.14	0	
GFL006 18+25W	DIRT	Niton	XL3t	7/9/2012	60		0		167	9.2	0		0		241	35.84	0	
GFL006 18+50W	DIRT	Niton	XL3t	7/9/2012	60		0		175	9.35	0		0		236	35.45	0	
GFL006 18+75W	DIRT	Niton	XL3t	7/9/2012	60		0		145	8.5	0		0		191	35.24	0	
GFL006 19+00W	DIRT	Niton	XL3t	7/9/2012	60		11.74	7.76	153	8.74	0		0		168	34.63	0	
GFL006 19+25W	DIRT	Niton	XL3t	7/9/2012	60		0		131	8.13	0		0		125	33.88	0	
GFL006 19+50W	DIRT	Niton	XL3t	7/9/2012	60		12.69	8.04	162	9.09	0		0		112	33.99	0	
GFL006 19+75W	DIRT	Niton	XL3t	7/9/2012	60		0		144	8.59	0		0		90	33.57	0	
GFL006 20+00W	DIRT	Niton	XL3t	7/9/2012	60		0		113	7.61	0		0		280	36.37	0	
GFL006 20+25W	DIRT	Niton	XL3t	7/9/2012	60		0		163	9.05	0		0		198	34.83	0	
GFL006 20+50W	DIRT	Niton	XL3t	7/9/2012	60		14.66	8.21	130	8.06	0		0		179	34.57	0	

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
GFL006 20+75W	DIRT	Niton	XL3t	7/9/2012	60		0		114	7.65	0		0		302	36.39	0	
GFL006 21+00W	DIRT	Niton	XL3t	7/9/2012	60		0		153	8.73	0		0		79	33.44	0	
GFL006 21+25W	DIRT	Niton	XL3t	7/9/2012	60		0		93	6.91	0		0		189	34.71	0	
GFL006 21+50W	DIRT	Niton	XL3t	7/9/2012	60		0		142	8.57	0		0		135	34.57	0	
GFL006 21+75W	DIRT	Niton	XL3t	7/9/2012	60		0		65	5.75	0		0		384	36.46	24.07	12.28
GFL006 22+00W	DIRT	Niton	XL3t	7/9/2012	60		12.05	7.94	127	7.97	0		0		282	36.27	0	
GFL006 22+25W	DIRT	Niton	XL3t	7/10/2012	60		0		137	8.28	0		0		217	35.03	0	
GFL006 22+50W	DIRT	Niton	XL3t	7/10/2012	60		15.95	8.64	162	9.03	0		0		282	35.99	0	
GFL006 22+75W	DIRT	Niton	XL3t	7/10/2012	60		0		100	7.2	0		0		83	33.09	0	
GFL006 23+00W	DIRT	Niton	XL3t	7/10/2012	60		0		102	7.27	0		0		306	36.14	0	
GFL006 23+25W	DIRT	Niton	XL3t	7/10/2012	60		0		165	9.12	0		0		201	34.67	0	
GFL006 23+50W	DIRT	Niton	XL3t	7/10/2012	60		0		158	9.19	0		0		166	35.33	0	
GFL006 23+75W	DIRT	Niton	XL3t	7/10/2012	60		15.35	8.69	156	8.97	0		0		144	34.6	0	
GFL006 24+00W	DIRT	Niton	XL3t	7/10/2012	60		17.42	9.25	166	9.41	0		0		172	35.01	0	
GFL006 24+25W	DIRT	Niton	XL3t	7/10/2012	60		17.14	8.77	160	9.01	0		0		293	36.05	0	
GFL006 24+50W	DIRT	Niton	XL3t	7/10/2012	60		15.14	8.38	163	9.12	0		0		299	36.36	0	
GFL006 24+75W	DIRT	Niton	XL3t	7/10/2012	60		12.5	8.09	174	9.38	0		0		236	35.91	0	
GFL006 25+00W	DIRT	Niton	XL3t	7/10/2012	60		0		124	8.07	0		0		349	37.32	0	
GFL006 25+25W	DIRT	Niton	XL3t	7/10/2012	60		14.37	8.79	195	10.2	0		0		98	34.83	0	
GFL006 25+50W	DIRT	Niton	XL3t	7/10/2012	60		12.28	8	86	6.72	0		0		440	37.73	19.1	12.46
GFL006 25+75W	DIRT	Niton	XL3t	7/10/2012	60		0		105	7.6	0		18.35	11.61	555	40.79	19.95	13.17
GFL006 26+50W	DIRT	Niton	XL3t	7/10/2012	60		0		154	9.07	0		0		317	37.29	0	
GFL006 26+75W	DIRT	Niton	XL3t	7/10/2012	60		19.71	9.45	150	9.09	0		0		194	35.75	0	
GFL006 27+00W	DIRT	Niton	XL3t	7/10/2012	60		13.12	8.32	161	9.09	0		0		256	35.79	0	
GFL006 27+25W	DIRT	Niton	XL3t	7/10/2012	60		13.88	8.23	136	8.39	0		0		419	38.12	0	
GFL006 27+50W	DIRT	Niton	XL3t	7/10/2012	60		13.71	8.23	132	8.22	0		0		253	35.36	0	
GFL006 27+75W	DIRT	Niton	XL3t	7/10/2012	60		13.74	8.27	113	7.63	0		0		352	36.46	0	
GFL006 28+00W	DIRT	Niton	XL3t	7/10/2012	60		16.34	8.45	120	7.92	0		0		288	35.88	0	
GFL006 28+25W	DIRT	Niton	XL3t	7/10/2012	60		0		170	9.38	0		0		303	36.32	0	
GFL006 28+50W	DIRT	Niton	XL3t	7/10/2012	60		0		144	8.64	0		0		329	36.85	0	
GFL006 28+75W	DIRT	Niton	XL3t	7/10/2012	60		0		161	9.22	0		0		345	37.52	0	
GFL006 29+00W	DIRT	Niton	XL3t	7/10/2012	60		15.45	8.55	112	7.74	0		0		461	38.7	27.05	12.84
GFL006 29+25W	DIRT	Niton	XL3t	7/10/2012	60		14.23	8.4	108	7.62	0		0		240	35.79	0	
GFL006 29+50W	DIRT	Niton	XL3t	7/10/2012	60		0		110	7.59	0		0		262	35.47	0	
GFL006 29+75W	DIRT	Niton	XL3t	7/10/2012	60		0		152	8.85	0		0		291	36.45	0	
GFL006 30+00W	DIRT	Niton	XL3t	7/10/2012	60		14.23	8.42	122	8.01	0		0		275	36.44	0	
GFL006 30+25W	DIRT	Niton	XL3t	7/10/2012	60		0		123	8.12	0		0		266	36.17	0	
GFL006 30+50W	DIRT	Niton	XL3t	7/10/2012	60		13.68	8.2	151	8.83	0		0		251	36.47	0	
GFL006 30+75W	DIRT	Niton	XL3t	7/10/2012	60		0		126	8.05	0		0		301	36.33	0	
GFL006 31+00W	DIRT	Niton	XL3t	7/10/2012	60		20.1	9.03	160	9.13	0		0		227	35.94	0	
GFL006 31+25W	DIRT	Niton	XL3t	7/10/2012	60		16.84	8.4	212	10.32	0		0		99	33.75	0	
GFL006 31+50W	DIRT	Niton	XL3t	7/10/2012	60		0		191	9.89	0		0		111	34.38	0	
GFL006 31+75W	DIRT	Niton	XL3t	7/10/2012	60		0		157	9.07	0		0		197	35.01	0	
GFL006 32+00W	DIRT	Niton	XL3t	7/10/2012	60		0		225	10.82	0		0		164	35.04	0	
GFL006 32+25W	DIRT	Niton	XL3t	7/10/2012	60		0		200	10.45	0		0		0		0	

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
GFL006 32+50W	DIRT	Niton	XL3t	7/10/2012	60		14.92	9.09	206	10.54	0		0		82	34.54	0	
GFL006 32+75W	DIRT	Niton	XL3t	7/10/2012	60		0		166	9.28	0		0		165	34.88	0	
GFL006 33+00W	DIRT	Niton	XL3t	7/10/2012	60	9.37	16.42	8.44	176	9.57	0		0		206	35.92	0	
GFL006 33+25W	DIRT	Niton	XL3t	7/10/2012	60		13.75	8.32	174	9.63	0		0		69	33.79	0	
GFL006 33+50W	DIRT	Niton	XL3t	7/10/2012	60		19.81	8.68	149	8.73	0		0		194	35.62	0	
GFL006 33+75W	DIRT	Niton	XL3t	7/10/2012	60		13.43	8.3	163	9.35	0		0		160	35.35	0	
GFL006 34+00W	DIRT	Niton	XL3t	7/10/2012	60		0		136	8.35	0		0		195	34.98	0	
GFL006 34+25W	DIRT	Niton	XL3t	7/10/2012	60		0		200	10.16	0		0		95	33.95	0	
GFL006 34+50W	DIRT	Niton	XL3t	7/10/2012	60		13.28	8.07	192	9.99	0		0		0		0	
GFL006 34+75W	DIRT	Niton	XL3t	7/10/2012	60	9.06	13.38	8.16	135	8.41	0		0		0		0	
GFL006 35+00W	DIRT	Niton	XL3t	7/10/2012	60		0		133	8.36	0		0		198	36.37	0	
GFL006 35+25W	DIRT	Niton	XL3t	7/10/2012	60		12.74	8.1	131	8.3	0		0		0		0	
GFL006 35+50W	DIRT	Niton	XL3t	7/10/2012	60	8.52	0		152	9.08	0		0		0		0	
GFL006 35+75W	DIRT	Niton	XL3t	7/10/2012	60	8.53	0		190	9.95	0		0		0		0	
GFL006 36+00W	DIRT	Niton	XL3t	7/10/2012	60		0		172	9.54	0		0		0		0	
GFL007 00+00	DIRT	Niton	XL3t	7/8/2012	60	8.06	0		215	10.37	0		0		0		0	
GFL007 00+25W	DIRT	Niton	XL3t	7/8/2012	60		0		230	10.71	0		0		0		0	
GFL007 00+50W	DIRT	Niton	XL3t	7/8/2012	60		0		218	10.66	0		0		0		0	
GFL007 00+75W	DIRT	Niton	XL3t	7/8/2012	60		0		166	9.07	0		0		272	35.97	0	
GFL007 01+00W	DIRT	Niton	XL3t	7/8/2012	60		13.17	7.76	163	8.91	0		0		152	33.79	0	
GFL007 01+25W	DIRT	Niton	XL3t	7/8/2012	60		0		237	10.92	0		0		0		0	
GFL007 01+50W	DIRT	Niton	XL3t	7/8/2012	60		13.2	8.1	196	9.94	0		0		117	33.73	0	
GFL007 01+75W	DIRT	Niton	XL3t	7/8/2012	60		0		231	10.8	0		0		0		0	
GFL007 02+00W	DIRT	Niton	XL3t	7/8/2012	60		12.47	7.89	250	11.3	0		0		0		0	
GFL007 02+25W	DIRT	Niton	XL3t	7/8/2012	60		0		215	10.33	0		0		0		0	
GFL007 02+50W	DIRT	Niton	XL3t	7/8/2012	60	8.59	0		193	10.22	0		0		0		0	
GFL007 02+75W	DIRT	Niton	XL3t	7/8/2012	60		13.4	8.04	205	10.29	0		0		264	36.44	0	
GFL007 03+00W	DIRT	Niton	XL3t	7/8/2012	60		0		238	11.04	0		0		66	33.41	0	
GFL007 03+25W	DIRT	Niton	XL3t	7/8/2012	60		24.32	9.46	160	9.17	0		0		301	36.98	0	
GFL007 03+50W	DIRT	Niton	XL3t	7/8/2012	60		17.86	8.8	177	9.58	0		0		131	34.92	0	
GFL007 03+75W	DIRT	Niton	XL3t	7/8/2012	60	7.96	17.88	8.29	176	9.38	0		0		156	33.8	0	
GFL007 04+00W	DIRT	Niton	XL3t	7/8/2012	60		0		230	10.77	0		0		205	35.3	0	
GFL007 04+25W	DIRT	Niton	XL3t	7/8/2012	60		14.86	8.15	136	8.29	0		0		211	35.27	0	
GFL007 04+50W	DIRT	Niton	XL3t	7/8/2012	60		0		195	9.86	0		0		168	34.75	0	
GFL007 04+75W	DIRT	Niton	XL3t	7/8/2012	60		0		214	10.23	0		0		0		0	
GFL007 05+00W	DIRT	Niton	XL3t	7/8/2012	60		0		257	11.51	0		0		0		0	
GFL007 05+25W	DIRT	Niton	XL3t	7/8/2012	60		0		260	11.43	0		0		0		0	
GFL007 05+50W	DIRT	Niton	XL3t	7/8/2012	60		0		224	10.72	0		0		0		0	
GFL007 06+00W	DIRT	Niton	XL3t	7/8/2012	60		0		254	11.46	0		0		0		0	
GFL007 06+25W	DIRT	Niton	XL3t	7/8/2012	60		0		104	7.46	0		0		175	35.54	0	
GFL007 06+50W	DIRT	Niton	XL3t	7/8/2012	60		17.3	8.34	189	9.77	0		0		0		0	
GFL007 06+75W	DIRT	Niton	XL3t	7/8/2012	60		14.74	8.29	121	7.97	0		0		156	34.59	0	
GFL007 07+00W	DIRT	Niton	XL3t	7/8/2012	60		13.24	7.98	182	9.51	0		0		204	34.96	0	
GFL007 07+25W	DIRT	Niton	XL3t	7/8/2012	60		19.16	8.74	118	7.87	0		0		185	34.98	0	
GFL007 07+50W	DIRT	Niton	XL3t	7/8/2012	60		0		224	10.51	0		0		76	32.93	0	

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
GFL007 07+75W	DIRT	Niton	XL3t	7/8/2012	60		16.59	8.63	187	9.81	0		0		430	38.73	0	
GFL007 08+00W	DIRT	Niton	XL3t	7/8/2012	60		0		141	8.5	0		0		339	37.13	0	
GFL007 08+25W	DIRT	Niton	XL3t	7/10/2012	60		0		248	11.25	0		0		92	34.29	0	
GFL007 08+50W	DIRT	Niton	XL3t	7/10/2012	60		20.07	8.88	150	8.87	0		0		214	35.68	0	
GFL007 08+75W	DIRT	Niton	XL3t	7/10/2012	60		12.82	8.07	275	12.07	0		0		0		0	
GFL007 09+75W	DIRT	Niton	XL3t	7/10/2012	60		23.02	10.42	107	8.15	0		0		0		0	
GFL007 10+00W	DIRT	Niton	XL3t	7/10/2012	60		0		150	8.87	0		0		287	37.14	0	
GFL007 10+25W	DIRT	Niton	XL3t	7/10/2012	60		12.06	7.7	123	7.85	0		0		233	34.82	0	
GFL007 10+50W	DIRT	Niton	XL3t	7/10/2012	60		0		201	10	0		0		164	34.7	0	
GFL007 10+75W	DIRT	Niton	XL3t	7/10/2012	60		0		222	10.63	0		0		59	33.87	0	
GFL007 11+00W	DIRT	Niton	XL3t	7/10/2012	60		0		180	9.71	0		0		134	35.06	0	
GFL007 11+25W	DIRT	Niton	XL3t	7/10/2012	60		19.82	8.47	167	9.09	0		0		383	37.5	0	
GFL007 11+50W	DIRT	Niton	XL3t	7/10/2012	60	8.12	0		167	9.2	0		0		135	34.35	0	
GFL007 11+75W	DIRT	Niton	XL3t	7/10/2012	60		15.54	8.62	157	9.04	0		0		157	34.73	0	
GFL007 12+00W	DIRT	Niton	XL3t	7/10/2012	60		0		106	7.32	0		0		334	37.13	0	
GFL007 12+25W	DIRT	Niton	XL3t	7/11/2012	60		0		144	8.64	0		0		218	35.89	0	
GFL007 12+50W	DIRT	Niton	XL3t	7/11/2012	60		15.84	8.23	163	9.1	0		0		91	33.75	0	
GFL007 12+75W	DIRT	Niton	XL3t	7/11/2012	60		0		161	8.96	0		0		290	36.55	0	
GFL007 13+00W	DIRT	Niton	XL3t	7/11/2012	60		0		216	10.6	0		0		0		0	
GFL007 13+25W	DIRT	Niton	XL3t	7/11/2012	60		0		215	10.36	0		0		203	35.37	0	
GFL007 13+50W	DIRT	Niton	XL3t	7/11/2012	60		15.07	8.01	159	8.97	0		0		150	34.75	0	
GFL007 13+75W	DIRT	Niton	XL3t	7/11/2012	60		12.61	7.81	136	8.34	0		0		305	36.5	19.72	12.44
GFL007 14+00W	DIRT	Niton	XL3t	7/11/2012	60		0		132	8.23	0		0		341	37.35	0	
GFL007 14+25W	DIRT	Niton	XL3t	7/11/2012	60		0		120	7.9	0		0		292	36.49	0	
GFL007 14+50W	DIRT	Niton	XL3t	7/11/2012	60		0		175	9.41	0		0		189	34.79	0	
GFL007 14+75W	DIRT	Niton	XL3t	7/11/2012	60		0		194	9.91	0		0		86	33.58	0	
GFL007 15+00W	DIRT	Niton	XL3t	7/11/2012	60		12.55	7.72	220	10.43	0		0		178	34.85	0	
GFL007 15+25W	DIRT	Niton	XL3t	7/11/2012	60		0		201	10.02	0		0		137	34.11	0	
GFL007 15+50W	DIRT	Niton	XL3t	7/11/2012	60		0		148	8.61	0		0		304	36.32	0	
GFL007 15+75W	DIRT	Niton	XL3t	7/11/2012	60		0		169	9.21	0		0		195	34.45	0	
GFL007 16+00W	DIRT	Niton	XL3t	7/11/2012	60		15.98	7.99	172	9.2	0		0		177	34.51	0	
GFL007 16+25W	DIRT	Niton	XL3t	7/11/2012	60		11.56	7.57	130	8.04	0		0		274	36.21	0	
GFL007 16+50W	DIRT	Niton	XL3t	7/11/2012	60		12.74	7.85	166	9.1	0		0		295	36.54	0	
GFL007 16+75W	DIRT	Niton	XL3t	7/11/2012	60		0		170	9.23	0		0		254	35.68	0	
GFL007 17+00W	DIRT	Niton	XL3t	7/11/2012	60		0		154	8.7	0		0		213	34.94	0	
GFL007 17+25W	DIRT	Niton	XL3t	7/11/2012	60		0		185	9.7	0		0		206	35.41	0	
GFL007 17+50W	DIRT	Niton	XL3t	7/11/2012	60		15.01	8.16	105	7.42	0		0		259	36.11	0	
GFL007 17+75W	DIRT	Niton	XL3t	7/11/2012	60		12.5	7.66	164	9.06	0		0		270	36.39	0	
GFL007 18+00W	DIRT	Niton	XL3t	7/11/2012	60		13.38	8.09	177	9.66	0		0		97	34.43	0	
GFL007 18+25W	DIRT	Niton	XL3t	7/11/2012	60		0		94	6.86	0		0		328	36.7	0	
GFL007 18+50W	DIRT	Niton	XL3t	7/11/2012	60		0		171	9.3	0		0		209	35.41	0	
GFL007 18+75W	DIRT	Niton	XL3t	7/11/2012	60		0		164	9.12	0		0		159	34.47	0	
GFL007 19+00W	DIRT	Niton	XL3t	7/11/2012	60		0		187	9.68	0		0		280	36.32	0	
GFL007 19+25W	DIRT	Niton	XL3t	7/11/2012	60		0		151	8.66	0		0		215	35.1	0	
GFL007 19+50W	DIRT	Niton	XL3t	7/11/2012	60		0		180	9.47	0		0		106	33.2	0	

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
GFL007 19+75W	DIRT	Niton	XL3t	7/11/2012	60		0		167	9.19	0		0		167	34.47	0	
GFL007 20+00W	DIRT	Niton	XL3t	7/11/2012	60		0		95	6.92	0		0		321	36.18	18.63	12.26
GFL007 20+25W	DIRT	Niton	XL3t	7/11/2012	60		0		168	9.19	0		0		0		0	
GFL007 20+50W	DIRT	Niton	XL3t	7/11/2012	60		0		177	9.35	0		0		183	34.47	0	
GFL007 20+75W	DIRT	Niton	XL3t	7/11/2012	60		0		165	9.15	0		0		196	34.65	0	
GFL007 21+00W	DIRT	Niton	XL3t	7/11/2012	60		19.68	8.49	125	7.9	0		0		218	34.98	0	
GFL007 21+25W	DIRT	Niton	XL3t	7/11/2012	60		0		154	9.01	0		0		0		0	
GFL007 21+50W	DIRT	Niton	XL3t	7/11/2012	60		12.24	7.78	184	9.59	0		0		0		0	
GFL007 21+75W	DIRT	Niton	XL3t	7/11/2012	60		0		162	9.09	0		0		216	35.28	0	
GFL007 22+00W	DIRT	Niton	XL3t	7/11/2012	60		0		157	8.78	0		0		120	33.7	0	
GFL007 22+25W	DIRT	Niton	XL3t	7/11/2012	60		0		155	8.67	0		0		144	34.42	0	
GFL007 22+50W	DIRT	Niton	XL3t	7/11/2012	60		21.76	9.63	153	9.2	0		0		0		0	
GFL007 22+75W	DIRT	Niton	XL3t	7/11/2012	60		0		172	9.17	0		0		159	34.59	0	
GFL007 23+00W	DIRT	Niton	XL3t	7/11/2012	60		13.61	8.06	137	8.23	0		0		53	32.82	0	
GFL007 23+25W	DIRT	Niton	XL3t	7/11/2012	60		0		112	7.73	0		0		0		0	
GFL007 23+50W	DIRT	Niton	XL3t	7/11/2012	60		0		165	8.93	0		0		144	33.63	0	
GFL007 23+75W	DIRT	Niton	XL3t	7/11/2012	60		0		149	8.6	0		0		128	34	0	
GFL007 24+00W	DIRT	Niton	XL3t	7/11/2012	60		0		110	7.42	0		0		190	34.31	0	
GFL007 24+25W	DIRT	Niton	XL3t	7/11/2012	60		14.6	8.11	147	8.51	0		0		182	34.81	0	
GFL007 24+50W	DIRT	Niton	XL3t	7/11/2012	60		0		94	6.86	0		0		152	33.94	0	
GFL007 24+75W	DIRT	Niton	XL3t	7/11/2012	60		0		172	9.26	0		0		79	33.4	0	
GFL007 25+00W	DIRT	Niton	XL3t	7/11/2012	60		0		164	9.29	0		0		0		0	
GFL007 25+25W	DIRT	Niton	XL3t	7/11/2012	60		0		169	9.59	0		0		0		0	
GFL007 25+50W	DIRT	Niton	XL3t	7/11/2012	60		13.26	8.02	144	8.49	0		0		181	34.04	0	
GFL007 25+75W	DIRT	Niton	XL3t	7/11/2012	60		20.78	8.78	126	8.02	0		0		170	34.87	0	
GFL007 26+00W	DIRT	Niton	XL3t	7/11/2012	60		0		157	8.86	0		0		88	33.35	0	
GFL007 26+25W	DIRT	Niton	XL3t	7/11/2012	60		0		173	9.39	0		0		182	35.32	0	
GFL007 26+50W	DIRT	Niton	XL3t	7/11/2012	60		0		197	9.83	0		0		0		0	
GFL007 26+75W	DIRT	Niton	XL3t	7/11/2012	60		0		205	10.25	0		0		0		0	
GFL007 27+00W	DIRT	Niton	XL3t	7/11/2012	60		0		168	9.62	0		0		0		0	
GFL007 27+25W	DIRT	Niton	XL3t	7/11/2012	60		0		114	7.73	0		0		0		0	
GFL007 27+50W	DIRT	Niton	XL3t	7/11/2012	60		0		113	7.54	0		0		166	33.87	0	
GFL007 27+75W	DIRT	Niton	XL3t	7/11/2012	60		20.85	9.72	147	9.14	0		0		0		0	
GFL007 28+00W	DIRT	Niton	XL3t	7/11/2012	60		0		194	9.8	0		0		123	34.12	0	
GFL007 28+25W	DIRT	Niton	XL3t	7/11/2012	60		0		168	9.08	0		0		195	34.78	0	
GFL007 28+50W	DIRT	Niton	XL3t	7/11/2012	60		13.7	8.08	134	8.14	0		0		247	35.96	0	
GFL007 28+75W	DIRT	Niton	XL3t	7/11/2012	60		0		200	10.18	0		0		55	33.91	0	
GFL007 29+00W	DIRT	Niton	XL3t	7/11/2012	60		0		202	10.2	0		0		0		0	
GFL007 29+25W	DIRT	Niton	XL3t	7/11/2012	60		15.78	8.64	181	9.76	0		0		0		0	
GFL007 29+50W	DIRT	Niton	XL3t	7/11/2012	60		13.52	8.27	124	7.97	0		0		198	35.19	0	
GFL007 29+75W	DIRT	Niton	XL3t	7/11/2012	60		0		158	9.11	0		0		0		0	
GFL007 30+00W	DIRT	Niton	XL3t	7/11/2012	60		0		132	8.49	0		0		0		0	
GFL007 30+25W	DIRT	Niton	XL3t	7/11/2012	60		0		209	10.2	0		0		0		0	
GFL007 30+50W	DIRT	Niton	XL3t	7/11/2012	60		0		137	8.47	0		0		0		0	
GFL007 30+75W	DIRT	Niton	XL3t	7/11/2012	60		0		129	8.28	0		0		0		0	

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
GFL007 31+00W	DIRT	Niton	XL3t	7/11/2012	60		0		180	9.79	0		0		0		0	
GFL007 31+25W	DIRT	Niton	XL3t	7/11/2012	60		0		179	9.47	0		0		169	34.93	0	
GFL007 31+50W	DIRT	Niton	XL3t	7/11/2012	60		0		192	9.81	0		0		207	35.36	0	
GFL007 31+75W	DIRT	Niton	XL3t	7/11/2012	60		13.86	8.2	159	8.93	0		0		236	36.24	0	
GFL007 32+00W	DIRT	Niton	XL3t	7/11/2012	60		14.89	8.27	170	9.2	0		0		311	36.37	0	
GFL007 32+25W	DIRT	Niton	XL3t	7/11/2012	60		0		175	9.25	0		0		288	36.17	0	
GFL007 32+50W	DIRT	Niton	XL3t	7/27/2012	60		12.63	8.14	173	9.33	0		0		255	36.04	0	
GFL007 32+75W	DIRT	Niton	XL3t	7/27/2012	60		12.89	8.05	185	9.76	0		0		138	34.72	0	
GFL007 33+00W	DIRT	Niton	XL3t	7/27/2012	60		0		154	9.03	0		0		225	36.43	0	
GFL007 33+25W	DIRT	Niton	XL3t	7/27/2012	60		0		146	8.71	0		0		155	35.22	0	
GFL007 33+50W	DIRT	Niton	XL3t	7/27/2012	60		0		167	9.28	0		0		349	37.76	0	
GFL007 33+75W	DIRT	Niton	XL3t	7/27/2012	60		0		64	5.7	0		0		295	35.04	0	
GFL007 34+00W	DIRT	Niton	XL3t	7/27/2012	60		0		181	9.47	0		0		82	33.77	0	
GFL007 34+25W	DIRT	Niton	XL3t	7/27/2012	60		0		134	8.23	0		0		230	35.21	0	
GFL007 34+50W	DIRT	Niton	XL3t	7/27/2012	60		0		80	6.38	0		0		357	36.74	24.59	12.47
GFL007 34+75W	DIRT	Niton	XL3t	7/27/2012	60		0		185	9.9	0		0		87	34.65	0	
GFL007 35+00W	DIRT	Niton	XL3t	7/27/2012	60		0		214	10.34	0		0		271	36.13	0	
GFL007 35+25W	DIRT	Niton	XL3t	7/27/2012	60		0		74	6.3	0		0		246	35.93	0	
GFL007 35+50W	DIRT	Niton	XL3t	7/27/2012	60		0		140	8.39	0		0		186	35.12	0	
GFL007 35+75W	DIRT	Niton	XL3t	7/27/2012	60		0		157	8.91	0		0		215	35.39	0	
GFL007 36+00W	DIRT	Niton	XL3t	7/27/2012	60		0		173	9.31	0		0		326	36.84	0	
GFL008 00+00	DIRT	Niton	XL3t	7/26/2012	60		0		166	9.19	0		0		0		0	
GFL008 00+25E	DIRT	Niton	XL3t	7/26/2012	60		0		120	7.82	0		0		155	34.55	0	
GFL008 00+50E	DIRT	Niton	XL3t	7/26/2012	60		0		200	10.23	0		0		0		0	
GFL008 00+75E	DIRT	Niton	XL3t	7/26/2012	60		0		129	8.46	0		0		0		0	
GFL008 01+00E	DIRT	Niton	XL3t	7/26/2012	60	8.44	12.1	7.78	177	9.53	0		0		118	33.97	0	
GFL008 01+25E	DIRT	Niton	XL3t	7/26/2012	60		17.44	8.64	197	10.15	0		0		0		0	
GFL008 01+50E	DIRT	Niton	XL3t	7/26/2012	60		12.73	7.6	98	6.98	0		0		175	33.71	0	
GFL008 01+75E	DIRT	Niton	XL3t	7/26/2012	60		15.36	8.14	122	7.8	0		0		295	36.1	0	
GFL008 02+00E	DIRT	Niton	XL3t	7/26/2012	60		20.01	9.06	179	9.81	0		0		0		0	
GFL008 02+25E	DIRT	Niton	XL3t	7/26/2012	60	10.17	17.09	8.82	144	8.83	0		0		70	34.75	0	
GFL008 02+50E	DIRT	Niton	XL3t	7/26/2012	60		0		101	6.95	0		0		57	31.77	0	
GFL008 02+75E	DIRT	Niton	XL3t	7/26/2012	60		0		197	10.03	0		0		0		0	
GFL008 03+00E	DIRT	Niton	XL3t	7/26/2012	60		0		115	7.73	0		0		127	34.77	0	
GFL008 03+25E	DIRT	Niton	XL3t	7/26/2012	60		0		99	7.19	0		0		199	35.21	0	
GFL008 03+50E	DIRT	Niton	XL3t	7/26/2012	60		0		60	5.64	0		0		254	35.37	0	
GFL008 03+75E	DIRT	Niton	XL3t	7/26/2012	60		11.46	7.49	175	9.27	0		0		159	34.93	0	
GFL008 04+00E	DIRT	Niton	XL3t	7/26/2012	60		13.33	7.85	190	9.79	0		0		64	33.7	0	
GFL008 04+25E	DIRT	Niton	XL3t	7/26/2012	60		0		199	9.92	0		0		69	33.57	0	
GFL008 04+50E	DIRT	Niton	XL3t	7/26/2012	60		13.67	8.27	196	10.08	0		0		0		0	
GFL008 04+75E	DIRT	Niton	XL3t	7/26/2012	60		0		208	10.38	0		0		0		0	
GFL008 05+00E	DIRT	Niton	XL3t	7/26/2012	60		13.62	7.82	149	8.52	0		0		167	34.19	0	
GFL008 05+25E	DIRT	Niton	XL3t	7/26/2012	60		0		161	8.91	0		0		84	33.31	0	
GFL008 05+50E	DIRT	Niton	XL3t	7/26/2012	60		0		194	9.87	0		0		0		0	
GFL008 05+75E	DIRT	Niton	XL3t	7/26/2012	60		18.44	8.79	181	9.69	0		0		0		0	

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
GFL008 06+00E	DIRT	Niton	XL3t	7/26/2012	60		13.75	8	186	9.59	0		0		84	33.34	0	
GFL008 06+25E	DIRT	Niton	XL3t	7/26/2012	60		16.03	8.4	203	10.2	0		0		0		0	
GFL008 06+50E	DIRT	Niton	XL3t	7/26/2012	60		18.41	8.54	192	9.79	0		0		171	34.99	0	
GFL008 06+75E	DIRT	Niton	XL3t	7/26/2012	60		0		224	11.3	0		0		0		0	
GFL008 07+00E	DIRT	Niton	XL3t	7/26/2012	60		13.62	8.04	208	10.34	0		0		0		0	
GFL008 07+25E	DIRT	Niton	XL3t	7/26/2012	60		12.12	7.83	193	9.87	0		0		0		0	
GFL008 07+50E	DIRT	Niton	XL3t	7/27/2012	60		0		202	10.09	0		0		0		0	
GFL008 07+75E	DIRT	Niton	XL3t	7/27/2012	60		0		166	9.59	0		0		0		0	
GFL008 08+00E	DIRT	Niton	XL3t	7/27/2012	60		17.74	8.84	169	9.43	0		0		78	33.79	0	
GFL008 08+25E	DIRT	Niton	XL3t	7/27/2012	60		0		178	9.63	0		0		0		0	
GFL008 08+50E	DIRT	Niton	XL3t	7/27/2012	60		21.79	9.25	158	9.19	0		0		261	36.31	0	
GFL008 08+75E	DIRT	Niton	XL3t	7/27/2012	60		0		110	7.32	0		0		274	35.52	0	
GFL008 09+00E	DIRT	Niton	XL3t	7/27/2012	60		0		173	9.26	0		0		215	34.69	0	
GFL008 09+25E	DIRT	Niton	XL3t	7/27/2012	60		0		183	9.51	0		0		203	34.84	0	
GFL008 09+50E	DIRT	Niton	XL3t	7/27/2012	60		0		76	6.13	0		21.84	10.97	398	37	22.57	12.43
GFL008 09+75E	DIRT	Niton	XL3t	7/27/2012	60		0		171	9.12	0		0		155	33.94	0	
GFL008 10+00E	DIRT	Niton	XL3t	7/27/2012	60	7.02	21.04	8.46	148	8.54	0		0		198	34.14	0	
GFL008 10+25E	DIRT	Niton	XL3t	7/27/2012	60		12.19	7.77	149	8.62	0		0		282	36.23	0	
GFL008 10+50E	DIRT	Niton	XL3t	7/27/2012	60		0		77	6.23	11	7.14	0		342	36.38	23.56	12.37
GFL008 10+75E	DIRT	Niton	XL3t	7/27/2012	60		0		219	10.45	0		0		165	34.43	0	
GFL008 11+00E	DIRT	Niton	XL3t	7/27/2012	60		0		222	10.51	0		0		253	36.03	0	
GFL008 11+25E	DIRT	Niton	XL3t	7/27/2012	60		15.22	7.83	115	7.47	0		0		348	36.63	0	
GFL008 11+50E	DIRT	Niton	XL3t	7/27/2012	60		14.13	7.78	136	8.15	0		0		313	36.44	0	
GFL008 11+75E	DIRT	Niton	XL3t	7/27/2012	60		16.21	8.18	182	9.51	0		0		277	36.48	0	
GFL008 12+00E	DIRT	Niton	XL3t	7/27/2012	60		14.17	8.26	230	10.89	0		0		173	35.36	0	
GFL008 12+25E	DIRT	Niton	XL3t	7/27/2012	60		0		96	6.97	0		0		257	35.47	0	
GFL008 12+50E	DIRT	Niton	XL3t	7/27/2012	60		0		84	6.52	0		0		434	37.92	24.12	12.64
GFL008 12+75E	DIRT	Niton	XL3t	7/27/2012	60		14.4	8.11	154	8.77	0		0		231	35.5	0	
GFL008 13+00E	DIRT	Niton	XL3t	7/27/2012	60		0		199	10.13	0		0		219	36.3	0	
GFL008 13+25E	DIRT	Niton	XL3t	7/27/2012	60		0		115	7.57	0		0		297	35.65	0	
GFL008 13+50E	DIRT	Niton	XL3t	7/27/2012	60		0		121	7.77	0		0		412	37.57	0	
GFL008 13+75E	DIRT	Niton	XL3t	7/27/2012	60		14.39	7.92	146	8.46	0		0		301	36.29	0	
GFL008 14+00E	DIRT	Niton	XL3t	7/27/2012	60		0		169	9.09	0		0		409	37.88	0	
GFL008 14+25E	DIRT	Niton	XL3t	7/27/2012	60		13.53	7.94	175	9.31	0		0		211	34.85	0	
GFL008 14+50E	DIRT	Niton	XL3t	7/27/2012	60		0		160	8.91	0		0		295	36.24	0	
GFL008 14+75E	DIRT	Niton	XL3t	7/27/2012	60		0		208	10.36	0		0		99	33.5	0	
GFL008 15+00E	DIRT	Niton	XL3t	7/27/2012	60		13.83	8.27	86	6.82	0		0		454	38.81	25.46	12.9
GFL008 15+25E	DIRT	Niton	XL3t	7/27/2012	60		0		160	8.89	0		0		174	34.89	0	
GFL008 15+50E	DIRT	Niton	XL3t	7/27/2012	60		0		183	9.58	0		0		186	35.15	0	
GFL008 15+75E	DIRT	Niton	XL3t	7/27/2012	60		0		164	9.15	0		0		250	36.44	0	
GFL008 16+00E	DIRT	Niton	XL3t	7/27/2012	60		0		168	9.19	0		0		199	34.9	0	
GFL008 16+25E	DIRT	Niton	XL3t	7/27/2012	60		0		188	9.7	0		0		320	37.06	0	
GFL008 16+50E	DIRT	Niton	XL3t	7/27/2012	60		0		184	9.52	0		0		346	36.97	0	
GFL008 16+75E	DIRT	Niton	XL3t	7/27/2012	60		0		144	8.5	0		0		153	34.13	0	
GFL008 17+00E	DIRT	Niton	XL3t	7/27/2012	60		16.81	8.38	127	8.05	0		0		323	37.17	0	

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
GFL008 17+25E	DIRT	Niton	XL3t	7/27/2012	60		12.27	8.15	128	8.24	0		0		347	37.55	0	
GFL008 17+50E	DIRT	Niton	XL3t	7/27/2012	60		18.4	8.75	110	7.61	0		0		430	38.5	21.11	12.76
GFL008 17+75E	DIRT	Niton	XL3t	7/27/2012	60		14.67	8.72	111	7.74	0		0		469	39.41	25.07	13.02
GFL008 18+25E	DIRT	Niton	XL3t	7/27/2012	60		19.77	9.26	140	8.62	0		0		446	38.7	0	
GFL008 18+50E	DIRT	Niton	XL3t	7/27/2012	60		25.59	9.97	155	9.03	0		0		455	37.83	0	
GFL008 18+75E	DIRT	Niton	XL3t	7/27/2012	60		33.1	10.48	128	8.27	0		0		335	37.06	0	
GFL008 20+00E	DIRT	Niton	XL3t	7/27/2012	60		0		122	7.82	0		0		368	37.16	0	
GFL008 20+25E	DIRT	Niton	XL3t	7/27/2012	60		11.55	7.68	115	7.62	0		0		313	36.36	0	
GFL008 20+50E	DIRT	Niton	XL3t	7/27/2012	60		0		192	9.76	0		0		204	34.99	0	
GFL008 20+75E	DIRT	Niton	XL3t	7/27/2012	60	8.11	13.33	8.12	89	6.98	0		0		406	38.28	0	
GFL008 21+00E	DIRT	Niton	XL3t	7/27/2012	60		0		96	7.02	0		25.06	11.42	476	39.02	39.36	13.17
GFL008 21+25E	DIRT	Niton	XL3t	7/27/2012	60		16.7	8.48	107	7.55	0		0		284	37.24	25.25	12.83
GFL008 21+50E	DIRT	Niton	XL3t	7/27/2012	60		11.87	7.84	112	7.6	0		0		0		0	
GFL008 21+75E	DIRT	Niton	XL3t	7/27/2012	60		21.24	8.71	76	6.39	0		0		251	36.68	0	
GFL008 22+00E	DIRT	Niton	XL3t	7/27/2012	60		16.04	8.27	98	7.09	0		0		350	37.91	0	
GFL008 22+25E	DIRT	Niton	XL3t	7/27/2012	60		18.81	8.5	81	6.61	0		0		317	37.06	0	
GFL008 22+50E	DIRT	Niton	XL3t	7/27/2012	60		15.85	8.67	99	7.43	0		0		278	36.63	0	
GFL008 22+75E	DIRT	Niton	XL3t	7/27/2012	60		17.05	8.49	86	6.88	0		0		469	39.45	37.86	13.27
GFL008 23+00E	DIRT	Niton	XL3t	7/27/2012	60	7.8	16.02	8.12	77	6.4	0		0		361	37.59	29.49	12.82
GFL008 23+25E	DIRT	Niton	XL3t	7/27/2012	60		20.48	9.02	88	7.04	0		0		373	38.58	0	
GFL008 23+50E	DIRT	Niton	XL3t	7/27/2012	60		15.34	8.48	122	8.07	0		0		349	37.85	0	
GFL008 23+75E	DIRT	Niton	XL3t	7/27/2012	60		12.01	8	105	7.49	0		0		178	35.75	0	
GFL008 24+00E	DIRT	Niton	XL3t	7/27/2012	60		14.36	8.32	87	6.93	0		0		210	36.18	0	
GFL008 24+25E	DIRT	Niton	XL3t	7/27/2012	60		0		85	6.8	0		0		376	37.9	0	
GFL008 24+50E	DIRT	Niton	XL3t	7/27/2012	60		13.47	7.73	94	6.95	0		0		301	36.66	0	
GFL008 24+75E	DIRT	Niton	XL3t	7/27/2012	60		0		107	7.36	0		0		300	36.8	0	
GFL008 25+00E	DIRT	Niton	XL3t	7/27/2012	60		0		122	22.41	0		0		0		0	
GFL008 25+25E	DIRT	Niton	XL3t	7/27/2012	60		0		196	9.85	0		0		188	34.94	0	
GFL008 25+50E	DIRT	Niton	XL3t	7/27/2012	60		14.45	7.9	186	9.56	0		0		307	36.14	0	
GFL008 25+75E	DIRT	Niton	XL3t	7/27/2012	60		0		141	8.36	0		0		329	36.81	0	
GFL008 26+00E	DIRT	Niton	XL3t	7/27/2012	60		14.4	7.96	175	9.35	0		0		158	35.02	0	
GFL008 26+25E	DIRT	Niton	XL3t	7/27/2012	60		0		163	8.93	0		0		342	36.71	0	
GFL008 26+50E	DIRT	Niton	XL3t	7/27/2012	60		0		173	9.21	0		0		262	35.34	0	
GFL008 26+75E	DIRT	Niton	XL3t	7/27/2012	60		0		150	8.62	0		0		361	37.54	0	
GFL008 27+00E	DIRT	Niton	XL3t	7/27/2012	60		0		224	10.47	0		0		368	37.66	0	
GFL008 27+25E	DIRT	Niton	XL3t	7/27/2012	60		0		184	9.6	0		0		268	36.68	0	
GFL008 27+50E	DIRT	Niton	XL3t	7/27/2012	60		0		179	9.38	0		0		229	35.46	0	
GFL008 27+75E	DIRT	Niton	XL3t	7/27/2012	60	7.64	0		182	9.53	0		0		264	35.61	0	
GFL008 28+00E	DIRT	Niton	XL3t	7/27/2012	60		0		185	9.54	0		0		218	35.35	0	
GFL008 28+25E	DIRT	Niton	XL3t	7/27/2012	60		14.69	7.86	153	8.67	0		0		358	36.7	0	
GFL008 28+50E	DIRT	Niton	XL3t	7/27/2012	60		12.39	7.69	183	9.52	0		0		349	37.06	0	
GFL008 28+75E	DIRT	Niton	XL3t	7/28/2012	60		0		150	8.7	0		0		377	37.51	33.93	12.82
GFL008 29+00E	DIRT	Niton	XL3t	7/28/2012	60		0		154	8.82	0		0		219	35.64	0	
GFL008 29+25E	DIRT	Niton	XL3t	7/28/2012	60		0		154	8.7	0		0		342	37.14	0	
GFL008 29+50E	DIRT	Niton	XL3t	7/28/2012	60		11.91	7.71	188	9.69	0		0		287	36.48	0	

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
GFL008 29+75E	DIRT	Niton	XL3t	7/28/2012	60		0		189	9.7	0		0		200	35.28	0	
GFL008 30+00E	DIRT	Niton	XL3t	7/28/2012	60		0		220	10.38	0		0		175	34.34	0	
GFL008 30+25E	DIRT	Niton	XL3t	7/28/2012	60		0		181	9.54	0		0		281	35.99	0	
GFL008 30+50E	DIRT	Niton	XL3t	7/28/2012	60		0		186	9.61	0		0		262	35.91	0	
GFL008 30+75E	DIRT	Niton	XL3t	7/28/2012	60		12.16	7.68	190	9.76	0		0		312	36.53	0	
GFL008 31+00E	DIRT	Niton	XL3t	7/28/2012	60		0		163	9.09	0		0		275	36.21	0	
GFL008 31+25E	DIRT	Niton	XL3t	7/28/2012	60		0		77	6.37	0		17.89	11.13	436	38.1	26.82	12.75
GFL008 31+50E	DIRT	Niton	XL3t	7/28/2012	60		12.77	7.8	209	10.22	0		0		167	34.54	0	
GFL008 31+75E	DIRT	Niton	XL3t	7/28/2012	60		0		201	10	0		0		252	35.54	0	
GFL008 32+00E	DIRT	Niton	XL3t	7/28/2012	60		0		184	9.62	0		0		306	36.52	0	
GFL008 32+25E	DIRT	Niton	XL3t	7/28/2012	60		0		212	10.29	0		0		172	34.67	0	
GFL008 32+50E	DIRT	Niton	XL3t	7/28/2012	60		0		196	9.84	0		0		215	35.47	0	
GFL008 32+75E	DIRT	Niton	XL3t	7/28/2012	60		11.88	7.82	115	7.75	0		0		381	37.86	27.28	12.81
GFL008 33+00E	DIRT	Niton	XL3t	7/28/2012	60		0		198	9.99	0		0		194	35.33	0	
GFL008 33+50E	DIRT	Niton	XL3t	7/28/2012	60		0		114	7.59	0		0		264	35.61	0	
GFL008 33+75E	DIRT	Niton	XL3t	7/28/2012	60		0		142	8.38	0		0		241	35.39	0	
GFL008 34+00E	DIRT	Niton	XL3t	7/28/2012	60		0		172	9.32	0		0		269	35.92	0	
GFL009 00+00	DIRT	Niton	XL3t	7/28/2012	60		0		92	6.89	0		0		343	37.09	0	
GFL009 00+25E	DIRT	Niton	XL3t	7/28/2012	60		0		188	9.63	0		0		177	34.73	0	
GFL009 00+50E	DIRT	Niton	XL3t	7/28/2012	60		12.85	7.84	149	8.61	0		0		255	36.13	0	
GFL009 00+75E	DIRT	Niton	XL3t	7/28/2012	60		0		183	9.55	0		0		243	35.95	0	
GFL009 01+25E	DIRT	Niton	XL3t	7/28/2012	60		0		115	7.61	0		0		213	35.06	0	
GFL009 01+50E	DIRT	Niton	XL3t	7/28/2012	60		0		167	9.21	0		0		260	35.87	0	
GFL009 01+75E	DIRT	Niton	XL3t	7/28/2012	60		0		169	9.2	0		0		223	35.62	0	
GFL009 02+00E	DIRT	Niton	XL3t	7/28/2012	60		13.42	7.95	192	9.84	0		0		230	35.18	0	
GFL009 02+25E	DIRT	Niton	XL3t	7/28/2012	60		14.37	8.24	172	9.35	0		0		184	35.18	0	
GFL009 02+50E	DIRT	Niton	XL3t	7/28/2012	60		16.64	8.22	139	8.4	0		0		381	37.79	0	
GFL009 02+75E	DIRT	Niton	XL3t	7/28/2012	60		14.24	8.55	182	9.79	0		0		315	37.02	0	
GFL009 03+00E	DIRT	Niton	XL3t	7/28/2012	60		0		277	11.84	0		0		232	36.05	0	
GFL009 03+25E	DIRT	Niton	XL3t	7/28/2012	60		24.21	9.77	86	7.03	0		0		392	38.53	0	
GFL009 03+50E	DIRT	Niton	XL3t	7/28/2012	60		17.54	8.71	196	10.08	0		0		303	37.26	0	
GFL009 04+00E	DIRT	Niton	XL3t	7/28/2012	60	16.08	36.11	12.21	143	9.25	0		0		208	36.58	0	
GFL009 04+75E	DIRT	Niton	XL3t	7/28/2012	60		0		99	7.13	0		0		256	35.74	0	
GFL009 05+00E	DIRT	Niton	XL3t	7/28/2012	60		0		166	9.17	0		0		189	35.14	0	
GFL009 05+25E	DIRT	Niton	XL3t	7/28/2012	60		17.25	8.56	132	8.24	0		0		342	37.11	0	
GFL009 05+75E	DIRT	Niton	XL3t	7/28/2012	60		17.79	8.58	216	10.55	0		0		263	36.89	0	
GFL009 06+00E	DIRT	Niton	XL3t	7/28/2012	60		26.39	10.32	114	8.04	0		0		379	38.49	0	
GFL009 06+25E	DIRT	Niton	XL3t	7/28/2012	60		0		130	8.19	0		24.86	11.37	542	39.56	27.26	12.92
GFL009 06+50E	DIRT	Niton	XL3t	7/28/2012	60		33.56	10.83	118	8.16	0		18.85	11.76	561	41.4	22.76	13.37
GFL009 06+75E	DIRT	Niton	XL3t	7/28/2012	60		20.92	9.45	160	9.35	0		0		381	38.92	0	
GFL009 07+00E	DIRT	Niton	XL3t	7/28/2012	60		19.01	8.96	173	9.59	0		0		426	38.91	0	
GFL009 07+75E	DIRT	Niton	XL3t	7/28/2012	60		15.28	8.35	131	8.16	0		0		288	35.92	0	
GFL009 08+00E	DIRT	Niton	XL3t	7/28/2012	60		25.46	9.22	163	9.11	0		0		242	35.95	0	
GFL009 08+25E	DIRT	Niton	XL3t	7/28/2012	60		0		148	8.67	0		0		174	34.56	0	
GFL009 08+50E	DIRT	Niton	XL3t	7/28/2012	60		0		104	7.4	0		0		311	37.02	0	

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
GFL009 08+75E	DIRT	Niton	XL3t	7/28/2012	60		0		212	10.3	0		0		208	35.58	0	
GFL009 09+00E	DIRT	Niton	XL3t	7/28/2012	60		0		202	10.03	0		0		231	35.04	0	
GFL009 09+25E	DIRT	Niton	XL3t	7/28/2012	60		18.51	9.04	131	8.55	0		0		447	39.33	25.6	13.09
GFL009 09+75E	DIRT	Niton	XL3t	7/28/2012	60		0		117	8.24	0		0		0		0	
GFL009 10+00E	DIRT	Niton	XL3t	7/28/2012	60		26.25	9.21	82	6.57	0		0		101	32.87	0	
GFL009 10+50E	DIRT	Niton	XL3t	7/28/2012	60		0		90	6.88	0		0		0		0	
GFL009 10+75E	DIRT	Niton	XL3t	7/29/2012	60		0		123	7.97	0		0		0		0	
GFL009 11+00E	DIRT	Niton	XL3t	7/29/2012	60		15.78	8.5	125	8.14	0		0		288	37.32	0	
GFL009 11+25E	DIRT	Niton	XL3t	7/29/2012	60		0		118	7.9	0		0		323	36.94	0	
GFL009 12+25E	DIRT	Niton	XL3t	7/29/2012	60		15.9	8.59	134	8.41	0		0		294	36.82	0	
GFL009 12+50E	DIRT	Niton	XL3t	7/29/2012	60		0		109	7.51	0		0		338	36.99	0	
GFL009 12+75E	DIRT	Niton	XL3t	7/29/2012	60		0		147	8.68	0		0		269	36.53	0	
GFL009 13+00E	DIRT	Niton	XL3t	7/29/2012	60		0		148	8.79	0		0		302	37.24	0	
GFL009 13+25E	DIRT	Niton	XL3t	7/29/2012	60		0		141	8.58	0		0		263	37.02	0	
GFL009 13+50E	DIRT	Niton	XL3t	7/29/2012	60		15.63	8.48	143	8.6	0		18.81	11.36	392	38.45	0	
GFL009 13+75E	DIRT	Niton	XL3t	7/29/2012	60		22.97	9.33	97	7.32	0		18.03	11.44	485	39.58	20.01	12.98
GFL009 14+00E	DIRT	Niton	XL3t	7/29/2012	60		0		205	10.15	0		0		326	36.62	0	
GFL009 14+25E	DIRT	Niton	XL3t	7/29/2012	60	10.02	12.82	8.3	163	9.35	0		0		108	34.78	0	
GFL009 14+75E	DIRT	Niton	XL3t	7/29/2012	60		18.79	8.6	91	6.96	0		0		405	38.68	0	
GFL009 15+00E	DIRT	Niton	XL3t	7/29/2012	60		0		231	10.74	0		0		237	35.91	0	
GFL009 15+25E	DIRT	Niton	XL3t	7/29/2012	60		25.88	10.05	209	10.63	0		0		137	35.46	0	
GFL009 15+50E	DIRT	Niton	XL3t	7/29/2012	60		0		150	8.74	0		0		232	35.95	0	
GFL009 15+75E	DIRT	Niton	XL3t	7/29/2012	60		0		185	9.59	0		0		134	33.79	0	
GFL009 16+00E	DIRT	Niton	XL3t	7/29/2012	60		17.03	8.27	192	9.87	0		0		186	34.93	0	
GFL009 16+25E	DIRT	Niton	XL3t	7/29/2012	60		0		205	10.08	0		0		135	34.1	0	
GFL009 16+50E	DIRT	Niton	XL3t	7/29/2012	60		0		186	9.8	0		0		0		0	
GFL009 16+75E	DIRT	Niton	XL3t	7/29/2012	60		16.69	8.37	101	7.3	0		0		296	37.19	21.35	12.71
GFL009 17+00E	DIRT	Niton	XL3t	7/29/2012	60		0		190	9.82	0		0		256	36.42	0	
GFL009 17+25E	DIRT	Niton	XL3t	7/29/2012	60		0		155	8.78	0		0		247	35.57	0	
GFL009 17+50E	DIRT	Niton	XL3t	7/29/2012	60		0		177	9.49	0		0		0		0	
GFL009 17+75E	DIRT	Niton	XL3t	7/29/2012	60		0		137	8.49	0		0		217	35.67	0	
GFL009 18+00E	DIRT	Niton	XL3t	7/29/2012	60	8.32	17.13	8.25	93	6.99	0		0		179	35.26	0	
GFL009 18+25E	DIRT	Niton	XL3t	7/29/2012	60		0		84	7.17	0		0		270	39.3	0	
GFL009 18+50E	DIRT	Niton	XL3t	7/29/2012	60		13.97	8.19	96	7.17	0		0		287	36.48	0	
GFL009 18+75E	DIRT	Niton	XL3t	7/29/2012	60		17.49	8.24	149	8.65	0		0		353	37.27	0	
GFL009 19+00E	DIRT	Niton	XL3t	7/29/2012	60		14.17	7.83	199	9.87	0		0		188	34.95	0	
GFL009 19+50E	DIRT	Niton	XL3t	7/29/2012	60		0		178	9.4	0		0		223	35.5	0	
GFL009 19+75E	DIRT	Niton	XL3t	7/29/2012	60		0		140	8.33	0		0		315	36.56	0	
GFL009 20+00E	DIRT	Niton	XL3t	7/29/2012	60		0		155	8.76	0		0		262	36.17	0	
GFL009 20+25E	DIRT	Niton	XL3t	7/29/2012	60		0		214	10.32	0		0		0		0	
GFL009 20+50E	DIRT	Niton	XL3t	7/29/2012	60		0		181	9.49	0		0		165	34.68	0	
GFL009 20+75E	DIRT	Niton	XL3t	7/29/2012	60		0		189	9.67	0		0		195	35.1	0	
GFL009 21+00E	DIRT	Niton	XL3t	7/29/2012	60		0		198	9.88	0		0		82	33.47	0	
GFL009 21+25E	DIRT	Niton	XL3t	7/29/2012	60		0		178	9.57	0		0		290	37.55	0	
GFL009 21+50E	DIRT	Niton	XL3t	7/29/2012	60		15.26	8.06	208	10.21	0		0		238	35.4	0	

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
GFL009 21+75E	DIRT	Niton	XL3t	7/29/2012	60		0		178	9.47	0		0		217	35.43	0	
GFL009 22+00E	DIRT	Niton	XL3t	7/29/2012	60		0		175	9.28	0		0		179	34.59	0	
GFL009 22+25E	DIRT	Niton	XL3t	7/29/2012	60		0		83	6.55	0		0		241	36.14	0	
GFL009 22+50E	DIRT	Niton	XL3t	7/29/2012	60		0		93	6.9	0		0		222	35.29	0	
GFL009 22+75E	DIRT	Niton	XL3t	7/29/2012	60		12.4	8.18	167	9.39	0		0		268	37.53	0	
GFL009 23+00E	DIRT	Niton	XL3t	7/29/2012	60		0		178	9.59	0		0		189	36.08	0	
GFL009 23+25E	DIRT	Niton	XL3t	7/29/2012	60		0		149	8.67	0		0		390	38.07	20.9	12.76
GFL009 23+50E	DIRT	Niton	XL3t	7/29/2012	60		0		119	7.71	0		0		273	36.65	0	
GFL009 23+75E	DIRT	Niton	XL3t	7/29/2012	60		13.65	8.06	98	7.2	0		0		368	37.68	19.78	12.67
GFL009 24+00E	DIRT	Niton	XL3t	7/29/2012	60		0		180	9.49	0		0		232	36.3	0	
GFL009 24+25E	DIRT	Niton	XL3t	7/29/2012	60		0		221	10.49	0		0		278	36.37	0	
GFL009 24+50E	DIRT	Niton	XL3t	7/29/2012	60		0		164	9.13	0		0		344	37.78	0	
GFL009 24+75E	DIRT	Niton	XL3t	7/29/2012	60	7.71	12.63	7.57	184	9.42	0		0		222	35.37	0	
GFL009 25+00E	DIRT	Niton	XL3t	7/29/2012	60	7.99	12.64	7.7	164	9.06	0		0		157	34.72	0	
GFL009 25+25E	DIRT	Niton	XL3t	7/29/2012	60		12.04	7.75	110	7.59	0		0		294	36.97	0	
GFL009 25+50E	DIRT	Niton	XL3t	7/29/2012	60		0		234	10.84	0		0		225	35.54	0	
GFL009 25+75E	DIRT	Niton	XL3t	7/29/2012	60		0		199	10.02	0		0		188	35.47	0	
GFL009 26+00E	DIRT	Niton	XL3t	7/29/2012	60		13.1	7.8	107	7.54	0		29.27	11.65	424	39.12	37.93	13.31
GFL009 26+25E	DIRT	Niton	XL3t	7/29/2012	60		0		134	8.26	0		0		217	35.77	0	
GFL009 26+50E	DIRT	Niton	XL3t	7/29/2012	60		0		104	8.31	0		0		258	41.11	0	
GFL009 26+75E	DIRT	Niton	XL3t	7/29/2012	60	8.52	12.48	7.94	92	6.98	0		0		369	38.12	23.95	12.87
GFL009 27+00E	DIRT	Niton	XL3t	7/29/2012	60	8.66	12.22	7.82	81	6.57	0		0		416	38.01	31.89	12.85
GFL009 27+25E	DIRT	Niton	XL3t	7/29/2012	60		13.57	7.97	278	11.97	0		0		0		0	
GFL009 27+50E	DIRT	Niton	XL3t	7/29/2012	60		0		185	9.55	0		0		212	35.26	0	
GFL009 27+75E	DIRT	Niton	XL3t	7/29/2012	60		0		189	9.77	0		0		245	35.78	0	
GFL009 28+00E	DIRT	Niton	XL3t	7/29/2012	60		11.77	7.69	221	10.39	0		0		271	36.06	0	
GFL009 28+25E	DIRT	Niton	XL3t	7/29/2012	60		13.51	8.01	235	10.9	0		0		256	36.2	0	
GFL009 28+50E	DIRT	Niton	XL3t	7/29/2012	60		0		230	10.71	0		0		223	35.36	0	
GFL009 28+75E	DIRT	Niton	XL3t	7/29/2012	60		0		232	10.77	0		0		192	35.33	0	
GFL009 29+00E	DIRT	Niton	XL3t	7/29/2012	60		0		194	10.1	0		0		125	34.79	0	
GFL009 29+25E	DIRT	Niton	XL3t	7/29/2012	60		14.82	8.15	172	9.34	0		0		223	35.69	0	
GFL009 29+50E	DIRT	Niton	XL3t	7/29/2012	60		0		196	9.98	0		0		217	35.89	0	
GFL009 29+75E	DIRT	Niton	XL3t	7/29/2012	60		13.44	7.96	262	11.54	0		0		0		0	
GFL009 30+00E	DIRT	Niton	XL3t	7/29/2012	60		0		224	10.58	0		0		148	34.34	0	
GFL009 30+25E	DIRT	Niton	XL3t	7/29/2012	60		13.5	7.9	171	9.21	0		0		319	36.92	0	
GFL009 30+50E	DIRT	Niton	XL3t	7/29/2012	60		0		172	9.31	0		0		238	36.1	0	
GFL009 30+75E	DIRT	Niton	XL3t	7/29/2012	60		0		171	9.47	0		0		255	36.39	0	
GFL009 31+00E	DIRT	Niton	XL3t	7/29/2012	60		12.28	8.1	148	8.77	0		0		269	36.64	0	
GFL009 31+25E	DIRT	Niton	XL3t	7/29/2012	60		0		109	7.67	0		0		324	37.98	0	
GFL009 31+50E	DIRT	Niton	XL3t	7/29/2012	60		21.94	8.94	149	8.82	0		0		256	36.5	0	
GFL009 31+75E	DIRT	Niton	XL3t	7/29/2012	60		0		134	8.34	0		0		381	37.83	0	
GFL009 32+00E	DIRT	Niton	XL3t	7/29/2012	60		0		163	9.21	0		0		401	38.28	0	
GFL009 32+25E	DIRT	Niton	XL3t	7/29/2012	60		0		185	9.7	0		0		295	36.6	0	
GFL009 32+50E	DIRT	Niton	XL3t	7/29/2012	60		0		130	8.17	0		0		291	36.59	0	
GFL009 32+75E	DIRT	Niton	XL3t	7/29/2012	60		17.12	8.39	176	9.34	0		0		411	38.43	0	

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
GFL009 33+00E	DIRT	Niton	XL3t	7/29/2012	60		0		194	9.76	0		0		258	35.99	0	
GFL009 33+25E	DIRT	Niton	XL3t	7/29/2012	60		0		228	10.59	0		0		356	37.24	0	
GFL009 33+50E	DIRT	Niton	XL3t	7/29/2012	60		0		225	10.57	0		0		127	34.23	0	
GFL009 33+75E	DIRT	Niton	XL3t	7/29/2012	60		0		227	10.63	0		0		67	33.24	0	
GFL009 34+00E	DIRT	Niton	XL3t	7/29/2012	60		11.8	7.76	213	10.35	0		0		160	34.69	0	
GFL009 34+25E	DIRT	Niton	XL3t	7/29/2012	60		0		194	9.84	0		0		276	35.81	0	
GFL009 34+50E	DIRT	Niton	XL3t	7/29/2012	60		0		150	8.81	0		0		317	37.35	0	
GFL009 34+75E	DIRT	Niton	XL3t	7/29/2012	60		17.55	8.44	204	10.18	0		0		207	35.62	0	
GFL009 35+00E	DIRT	Niton	XL3t	7/29/2012	60		0		208	10.35	0		0		93	34.14	0	
GFL009 35+25E	DIRT	Niton	XL3t	7/29/2012	60		0		183	9.77	0		0		0		0	
GFL009 35+50E	DIRT	Niton	XL3t	7/29/2012	60	8.72	0		227	10.77	0		0		188	35.06	0	
GFL009 35+75E	DIRT	Niton	XL3t	7/29/2012	60		0		203	10.07	0		0		232	35.74	0	
GFL009 36+00E	DIRT	Niton	XL3t	7/29/2012	60		0		159	9.05	0		0		271	36.6	0	
GFL009 36+25E	DIRT	Niton	XL3t	7/29/2012	60		0		174	9.42	0		0		216	35.54	0	
GFL009 36+50E	DIRT	Niton	XL3t	7/29/2012	60		0		135	8.27	0		0		322	37.57	0	
GFL009 36+75E	DIRT	Niton	XL3t	7/29/2012	60		12.43	8.01	178	9.61	0		0		229	35.98	0	
GFL009 37+00E	DIRT	Niton	XL3t	7/29/2012	60		0		228	10.71	0		0		116	34.66	0	
GFL009 37+25E	DIRT	Niton	XL3t	7/29/2012	60		0		229	10.61	0		0		204	35.09	0	
GFL009 37+50E	DIRT	Niton	XL3t	7/29/2012	60		0		162	9.12	0		0		193	35.66	0	
GFL009 37+75E	DIRT	Niton	XL3t	7/29/2012	60		0		99	7.14	0		21.85	11.31	398	38.18	29.68	12.92
GFL009 38+00E	DIRT	Niton	XL3t	7/29/2012	60		0		152	8.82	0		0		192	35.88	0	
GFL009 38+25E	DIRT	Niton	XL3t	7/29/2012	60		0		178	9.41	0		0		179	34.52	0	
GFL009 38+50E	DIRT	Niton	XL3t	7/29/2012	60		12.02	7.83	192	9.78	0		0		281	36.9	0	
GFL009 38+75E	DIRT	Niton	XL3t	7/29/2012	52		0		219	10.36	0		0		88	41.45	0	
GFL009 39+00E	DIRT	Niton	XL3t	7/30/2012	60		0		163	9.18	0		0		267	36.52	0	
GFL009 39+25E	DIRT	Niton	XL3t	7/30/2012	60		0		230	10.83	0		0		178	34.95	0	
GFL009 39+50E	DIRT	Niton	XL3t	7/30/2012	60		0		229	10.66	0		0		192	35.34	0	
GFL009 39+75E	DIRT	Niton	XL3t	7/30/2012	60		14.47	7.99	223	10.57	0		0		85	33.58	0	
GFL009 40+00E	DIRT	Niton	XL3t	7/30/2012	60		0		227	10.56	0		0		175	34.64	0	
GFL009 40+25E	DIRT	Niton	XL3t	7/30/2012	60		0		224	10.67	0		0		205	35.43	0	
GFL009 40+50E	DIRT	Niton	XL3t	7/30/2012	60		0		236	10.81	0		0		197	34.66	0	
GFL009 40+75E	DIRT	Niton	XL3t	7/30/2012	60		14.96	8.26	147	8.99	0		0		77	34.96	0	
GFL009 41+00E	DIRT	Niton	XL3t	7/30/2012	60		0		201	10.03	0		0		225	35.86	0	
GFL009 41+25E	DIRT	Niton	XL3t	7/30/2012	60		0		159	8.93	0		0		249	35.46	0	
GFL009 41+50E	DIRT	Niton	XL3t	7/30/2012	60	8.22	0		206	10.16	0		0		329	37.18	0	
GFL009 41+75E	DIRT	Niton	XL3t	7/30/2012	60		0		120	7.91	0		0		371	37.9	25.09	12.82
GFL009 42+00E	DIRT	Niton	XL3t	7/30/2012	60		17.22	8.44	192	9.87	0		0		270	36.56	0	
GFL009 42+25E	DIRT	Niton	XL3t	7/30/2012	60		0		207	10.17	0		0		204	35.35	0	
GFL009 42+50E	DIRT	Niton	XL3t	7/30/2012	60		0		205	10.22	0		0		257	36.39	0	
GFL009 42+75E	DIRT	Niton	XL3t	7/30/2012	60		0		202	10.1	0		0		306	36.78	0	
GFL009 43+00E	DIRT	Niton	XL3t	7/30/2012	60		0		233	10.94	0		0		139	34.38	0	
GFL009 43+25E	DIRT	Niton	XL3t	7/30/2012	60		0		202	10.05	0		0		197	35.18	0	
GFL009 43+50E	DIRT	Niton	XL3t	7/30/2012	60		0		247	11.3	0		0		0		0	
GFL009 43+75E	DIRT	Niton	XL3t	7/30/2012	60		0		194	9.94	0		0		100	33.65	0	
GFL009 44+00E	DIRT	Niton	XL3t	7/30/2012	60		16.85	8.22	117	7.69	0		0		172	34.39	0	

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
GFL009 44+25E	DIRT	Niton	XL3t	7/30/2012	60		12.17	7.92	211	10.39	0		0		130	34.32	0	
GFL009 44+50E	DIRT	Niton	XL3t	7/30/2012	60		0		169	9.25	0		0		129	34.35	0	
GFL009 44+75E	DIRT	Niton	XL3t	7/30/2012	60		0		103	7.41	0		0		0		0	
GFL009 45+00E	DIRT	Niton	XL3t	7/30/2012	60		0		81	6.52	0		0		320	37.02	0	
GFL009 45+25E	DIRT	Niton	XL3t	7/30/2012	60		0		144	8.59	0		0		276	36.79	0	
GFL009 45+50E	DIRT	Niton	XL3t	7/30/2012	60		0		146	8.58	0		0		51	33.19	0	
GFL009 45+75E	DIRT	Niton	XL3t	7/30/2012	60		14.06	8.28	89	7.11	0		0		300	37.84	22.53	12.95
GFL009 46+00E	DIRT	Niton	XL3t	7/30/2012	60		0		85	6.79	0		0		412	38.62	27.82	13
GFL009 46+25E	DIRT	Niton	XL3t	7/30/2012	60		14.85	8.2	113	7.79	0		0		104	34.19	0	
GFL009 46+75E	DIRT	Niton	XL3t	7/30/2012	60		0		47	10.52	0		0		0		0	
GFL009 47+00E	DIRT	Niton	XL3t	7/30/2012	60		18.02	8.94	62	6.23	0		0		0		0	
GFL009 47+25E	DIRT	Niton	XL3t	7/30/2012	60		12.99	8.4	56	6.19	0		0		0		0	
GFL009 47+50E	DIRT	Niton	XL3t	7/30/2012	60	43.56	0		91	8.15	0		0		0		0	
GFL009 48+00E	DIRT	Niton	XL3t	7/30/2012	60		16.53	9.57	67	6.86	0		0		0		0	
GFL010 00+00E	DIRT	Niton	XL3t	7/30/2012	60		17.33	8.71	92	7.11	0		0		149	35.38	0	
GFL010 00+25E	DIRT	Niton	XL3t	7/30/2012	60		13.55	8.09	92	7.03	0		0		319	36.69	0	
GFL010 00+50E	DIRT	Niton	XL3t	7/30/2012	60		0		242	11.26	0		0		240	36.63	0	
GFL010 00+75E	DIRT	Niton	XL3t	7/30/2012	60		15.43	8.44	93	7.11	0		19.94	11.08	306	36.81	21.28	12.53
GFL010 01+75E	DIRT	Niton	XL3t	7/30/2012	60		15.53	9.03	173	9.8	0		0		403	39.48	0	
GFL010 02+25E	DIRT	Niton	XL3t	7/30/2012	60		0		211	10.45	0		0		0		0	
GFL010 02+75E	DIRT	Niton	XL3t	7/30/2012	60		0		100	7.23	0		0		334	37.19	0	
GFL010 03+00E	DIRT	Niton	XL3t	7/30/2012	60		0		111	7.59	0		0		350	37.61	27.73	12.82
GFL010 04+00E	DIRT	Niton	XL3t	7/30/2012	60		15.24	8.18	172	9.29	0		0		230	35.44	0	
GFL010 04+25E	DIRT	Niton	XL3t	7/30/2012	60		16.92	8.22	182	9.48	0		0		345	37.35	0	
GFL010 04+50E	DIRT	Niton	XL3t	7/30/2012	60		0		215	10.49	0		0		180	35.3	0	
GFL010 04+75E	DIRT	Niton	XL3t	7/30/2012	60		0		234	10.98	0		0		150	35.28	0	
GFL010 05+00E	DIRT	Niton	XL3t	7/30/2012	60		0		141	8.46	0		0		223	36.02	0	
GFL010 05+25E	DIRT	Niton	XL3t	7/30/2012	60		12.48	7.91	176	9.46	0		0		267	36.31	0	
GFL010 05+50E	DIRT	Niton	XL3t	7/30/2012	60		14.27	8.44	249	11.53	0		0		419	39.08	0	
GFL010 05+75E	DIRT	Niton	XL3t	7/30/2012	60		0		204	10.04	0		0		182	35.55	0	
GFL010 06+00E	DIRT	Niton	XL3t	7/30/2012	60		0		196	10.15	0		0		270	36.48	0	
GFL010 06+25E	DIRT	Niton	XL3t	7/30/2012	60		11.97	7.67	167	9.1	0		0		209	35.41	0	
GFL010 06+50E	DIRT	Niton	XL3t	7/30/2012	60		0		156	8.69	0		0		228	35.79	0	
GFL010 06+75E	DIRT	Niton	XL3t	7/30/2012	60		0		132	8.21	0		0		252	35.9	0	
GFL010 07+00E	DIRT	Niton	XL3t	7/30/2012	60		13.84	8.07	110	7.51	0		0		257	35.54	0	
GFL010 07+25E	DIRT	Niton	XL3t	7/30/2012	60		12.7	7.99	172	9.31	0		0		71	33.59	0	
GFL010 07+50E	DIRT	Niton	XL3t	7/30/2012	60		0		116	7.74	0		0		324	37.25	24.17	12.71
GFL010 07+75E	DIRT	Niton	XL3t	7/30/2012	60		0		270	11.72	0		0		255	36.64	0	
GFL010 08+00E	DIRT	Niton	XL3t	7/30/2012	60		15.48	8.52	179	9.71	0		0		51	33.38	0	
GFL010 08+25E	DIRT	Niton	XL3t	7/30/2012	60		0		104	7.39	0		17.16	11.15	374	37.68	22.4	12.68
GFL010 08+50E	DIRT	Niton	XL3t	7/30/2012	60		17.4	8.72	164	9.31	0		0		385	38.3	0	
GFL010 08+75E	DIRT	Niton	XL3t	7/30/2012	60		0		150	8.76	0		0		256	35.92	0	
GFL010 09+00E	DIRT	Niton	XL3t	7/30/2012	60		19.03	8.79	196	10.07	0		0		185	35.41	0	
GFL010 09+25E	DIRT	Niton	XL3t	7/30/2012	60		0		207	10.32	0		0		188	35.35	0	
GFL010 09+50E	DIRT	Niton	XL3t	7/30/2012	60		0		191	9.8	0		0		231	35.7	0	

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
GFL010 09+75E	DIRT	Niton	XL3t	7/30/2012	60		0		181	9.52	0		0		186	35.25	0	
GFL010 10+00E	DIRT	Niton	XL3t	7/30/2012	60		0		207	10.17	0		0		227	35.51	0	
GFL010 10+25E	DIRT	Niton	XL3t	7/30/2012	60		0		216	10.43	0		0		144	34.77	0	
GFL010 10+50E	DIRT	Niton	XL3t	7/30/2012	60		0		231	10.75	0		0		130	34.37	0	
GFL010 10+75E	DIRT	Niton	XL3t	7/30/2012	60		0		221	10.55	0		0		159	35.38	0	
GFL010 11+00E	DIRT	Niton	XL3t	7/30/2012	60		0		152	8.75	0		0		321	36.64	0	
GFL010 11+25E	DIRT	Niton	XL3t	7/30/2012	60		0		215	10.43	0		0		148	35.02	0	
GFL010 11+50E	DIRT	Niton	XL3t	7/30/2012	60		0		154	8.62	0		0		167	34.54	0	
GFL010 11+75E	DIRT	Niton	XL3t	7/30/2012	60		0		79	6.38	0		0		328	36.89	31.75	12.72
GFL010 12+00E	DIRT	Niton	XL3t	7/30/2012	60		12.53	7.77	213	10.3	0		0		133	34.31	0	
GFL010 12+25E	DIRT	Niton	XL3t	7/30/2012	60		0		194	9.8	0		0		50	33.28	0	
GFL010 12+50E	DIRT	Niton	XL3t	7/30/2012	60		0		202	9.99	0		0		185	34.6	0	
GFL010 12+75E	DIRT	Niton	XL3t	7/30/2012	60		0		95	6.78	0		0		259	35.59	0	
GFL010 13+00E	DIRT	Niton	XL3t	7/30/2012	60		0		149	8.55	0		0		178	34.9	0	
GFL010 13+25E	DIRT	Niton	XL3t	7/30/2012	60		0		217	10.33	0		0		272	36.35	0	
GFL010 13+50E	DIRT	Niton	XL3t	7/30/2012	60		0		102	7.12	0		0		219	34.97	0	
GFL010 13+75E	DIRT	Niton	XL3t	7/30/2012	60		0		128	7.87	0		0		300	35.83	0	
GFL010 14+00E	DIRT	Niton	XL3t	7/30/2012	60		0		160	8.8	0		0		232	35.1	0	
GFL010 14+25E	DIRT	Niton	XL3t	7/30/2012	60		0		186	9.61	0		0		159	34.81	0	
GFL010 14+50E	DIRT	Niton	XL3t	7/30/2012	60		0		149	8.63	0		0		272	36.47	0	
GFL010 14+75E	DIRT	Niton	XL3t	7/30/2012	60		0		157	8.76	0		0		239	35.62	0	
GFL010 15+00E	DIRT	Niton	XL3t	7/30/2012	60		0		173	9.25	0		0		315	37.15	0	
GFL010 15+25E	DIRT	Niton	XL3t	7/30/2012	60		17.79	8.44	212	10.3	0		0		317	37.09	0	
GFL010 15+50E	DIRT	Niton	XL3t	7/30/2012	60		0		191	9.65	0		0		109	33.61	0	
GFL010 15+75E	DIRT	Niton	XL3t	7/31/2012	60		0		187	9.77	0		0		249	35.94	0	
GFL010 16+00E	DIRT	Niton	XL3t	7/31/2012	60		0		190	9.9	0		0		237	36.31	0	
GFL010 16+25E	DIRT	Niton	XL3t	7/31/2012	60		12.74	7.89	163	9.07	0		0		187	35.23	0	
GFL010 16+50E	DIRT	Niton	XL3t	7/31/2012	60		15.8	8.04	90	6.82	0		0		175	34.49	0	
GFL010 16+75E	DIRT	Niton	XL3t	7/31/2012	60		0		166	9.06	0		0		152	34.17	0	
GFL010 17+00E	DIRT	Niton	XL3t	7/31/2012	60		0		83	6.45	0		0		386	37.08	30.73	12.61
GFL010 17+25E	DIRT	Niton	XL3t	7/31/2012	60		11.99	7.56	142	8.4	0		20.55	11.03	308	36.53	0	
GFL010 17+50E	DIRT	Niton	XL3t	7/31/2012	60		0		147	8.64	0		0		280	35.73	0	
GFL010 17+75E	DIRT	Niton	XL3t	7/31/2012	60		0		163	9.06	0		0		267	36.16	0	
GFL010 18+00E	DIRT	Niton	XL3t	7/31/2012	60	7.82	0		73	6.21	0		22.88	11.22	438	38.16	28.73	12.81
GFL010 18+25E	DIRT	Niton	XL3t	7/31/2012	60		11.66	7.25	92	6.74	0		19.3	10.82	290	35.69	19.01	12.22
GFL010 18+50E	DIRT	Niton	XL3t	7/31/2012	60		0		166	9.02	0		0		228	34.77	0	
GFL010 18+75E	DIRT	Niton	XL3t	7/31/2012	60		0		190	9.71	0		0		396	37.75	19.08	12.59
GFL010 19+00E	DIRT	Niton	XL3t	7/31/2012	60		0		116	7.61	0		0		317	36.11	0	
GFL010 19+25E	DIRT	Niton	XL3t	7/31/2012	60		13.11	7.61	143	8.41	0		0		164	34.46	0	
GFL010 19+50E	DIRT	Niton	XL3t	7/31/2012	60		14.47	7.91	89	6.83	0		0		223	35.05	0	
GFL010 19+75E	DIRT	Niton	XL3t	7/31/2012	60		0		178	9.28	0		0		224	35.22	0	
GFL010 20+00E	DIRT	Niton	XL3t	7/31/2012	60		0		187	9.86	0		0		0		0	
GFL010 20+25E	DIRT	Niton	XL3t	7/31/2012	60		0		121	7.55	0		0		249	34.98	0	
GFL010 20+50E	DIRT	Niton	XL3t	7/31/2012	60		0		111	7.41	0		0		268	35.66	0	
GFL010 20+75E	DIRT	Niton	XL3t	7/31/2012	60		0		148	8.54	0		0		209	35.5	0	

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
GFL010 21+00E	DIRT	Niton	XL3t	7/31/2012	60		14.41	8.28	165	9.23	0		0		188	35.65	0	
GFL010 21+25E	DIRT	Niton	XL3t	7/31/2012	60	7.78	0		147	8.58	0		0		262	35.9	0	
GFL010 21+50E	DIRT	Niton	XL3t	7/31/2012	60		19.91	8.53	92	6.89	0		0		330	36.49	0	
GFL010 21+75E	DIRT	Niton	XL3t	7/31/2012	60		0		152	8.57	0		0		322	35.75	0	
GFL010 22+00E	DIRT	Niton	XL3t	7/31/2012	60		0		157	8.83	0		0		160	34.58	0	
GFL010 22+25E	DIRT	Niton	XL3t	7/31/2012	60		0		181	9.58	0		0		173	34.88	0	
GFL010 22+50E	DIRT	Niton	XL3t	7/31/2012	60		0		159	9.01	0		0		296	36.81	0	
GFL010 22+75E	DIRT	Niton	XL3t	7/31/2012	60		0		129	7.98	0		0		331	36.3	0	
GFL010 23+00E	DIRT	Niton	XL3t	7/31/2012	60		0		164	9.19	0		0		200	35.04	0	
GFL010 23+25E	DIRT	Niton	XL3t	7/31/2012	60		12.31	8.1	180	9.65	0		0		195	35.96	0	
GFL010 23+50E	DIRT	Niton	XL3t	7/31/2012	60		0		160	8.91	0		0		202	35.09	0	
GFL010 23+75E	DIRT	Niton	XL3t	7/31/2012	60		0		116	7.68	0		0		185	34.89	0	
GFL010 24+00E	DIRT	Niton	XL3t	7/31/2012	60	8.33	0		135	8.22	0		0		279	35.89	0	
GFL010 24+25E	DIRT	Niton	XL3t	7/31/2012	60		0		165	9.26	0		0		260	35.82	0	
GFL010 24+50E	DIRT	Niton	XL3t	7/31/2012	60		0		133	8.38	0		0		209	35.99	0	
GFL010 24+75E	DIRT	Niton	XL3t	7/31/2012	60		0		158	8.99	0		0		272	36.52	0	
GFL010 25+00E	DIRT	Niton	XL3t	7/31/2012	60		0		178	9.44	0		0		367	37.06	0	
GFL010 25+25E	DIRT	Niton	XL3t	7/31/2012	60		0		193	9.9	0		0		95	34.46	0	
GFL010 25+50E	DIRT	Niton	XL3t	7/31/2012	60		0		137	8.5	0		0		362	38.18	0	
GFL010 25+75E	DIRT	Niton	XL3t	7/31/2012	60		14.82	8.46	102	7.41	0		0		187	35.77	0	
GFL010 26+00E	DIRT	Niton	XL3t	7/31/2012	60		16.11	8.4	153	8.81	0		0		297	36.83	0	
GFL010 26+25E	DIRT	Niton	XL3t	7/31/2012	60		0		105	7.53	0		0		210	35.92	0	
GFL010 26+50E	DIRT	Niton	XL3t	7/31/2012	60		0		131	8.27	0		0		228	35.71	0	
GFL010 26+75E	DIRT	Niton	XL3t	7/31/2012	60		13.45	8.16	172	9.43	0		0		270	36.54	0	
GFL010 27+00E	DIRT	Niton	XL3t	7/31/2012	60		0		151	8.98	0		0		255	37.06	0	
GFL010 27+25E	DIRT	Niton	XL3t	7/31/2012	60		12.35	8.18	161	9.31	0		0		145	35.29	0	
GFL010 27+50E	DIRT	Niton	XL3t	7/31/2012	60		0		165	9.13	0		0		268	36.19	0	
GFL010 27+75E	DIRT	Niton	XL3t	7/31/2012	60		16.45	8.49	163	9.14	0		0		177	34.65	0	
GFL010 28+00E	DIRT	Niton	XL3t	7/31/2012	60		13.32	7.87	118	7.76	0		0		327	37.07	21.98	12.62
GFL010 28+25E	DIRT	Niton	XL3t	7/31/2012	60		0		182	9.42	0		0		251	35.68	0	
GFL010 28+50E	DIRT	Niton	XL3t	7/31/2012	60	7.88	0		181	9.61	0		0		198	34.77	0	
GFL010 28+75E	DIRT	Niton	XL3t	7/31/2012	60		0		83	6.75	0		0		346	38.04	0	
GFL010 29+00E	DIRT	Niton	XL3t	7/31/2012	60		0		151	8.8	0		0		301	36.74	0	
GFL010 29+25E	DIRT	Niton	XL3t	7/31/2012	60		0		199	10.05	0		0		265	36.36	0	
GFL010 29+50E	DIRT	Niton	XL3t	7/31/2012	60	8.32	18.38	8.38	178	9.44	0		0		204	35.13	0	
GFL010 29+75E	DIRT	Niton	XL3t	7/31/2012	60		0		210	10.13	0		0		228	35.35	0	
GFL010 30+00E	DIRT	Niton	XL3t	7/31/2012	60		0		208	10.32	0		0		279	36.63	0	
GFL010 30+25E	DIRT	Niton	XL3t	7/31/2012	60		0		116	7.91	0		0		372	38.43	0	
GFL010 30+50E	DIRT	Niton	XL3t	7/31/2012	60		0		201	10.02	0		0		190	35	0	
GFL010 30+75E	DIRT	Niton	XL3t	7/31/2012	60		0		189	9.75	0		0		183	35.36	0	
GFL010 31+00E	DIRT	Niton	XL3t	7/31/2012	60		17.96	8.61	186	9.88	0		0		185	36.04	0	
GFL010 31+25E	DIRT	Niton	XL3t	7/31/2012	60		12.29	7.96	190	9.91	0		0		0		0	
GFL010 31+50E	DIRT	Niton	XL3t	7/31/2012	60		0		208	10.39	0		0		175	35.33	0	
GFL010 31+75E	DIRT	Niton	XL3t	7/31/2012	60		0		215	10.41	0		0		128	34.64	0	
GFL010 32+00E	DIRT	Niton	XL3t	7/31/2012	60		0		138	8.41	0		0		259	36.82	0	

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
GFL010 32+25E	DIRT	Niton	XL3t	7/31/2012	34		0		194	9.96	0		0		0		0	
GFL010 32+50E	DIRT	Niton	XL3t	8/1/2012	60		12.14	7.78	170	9.38	0		0		146	34.98	0	
GFL010 32+75E	DIRT	Niton	XL3t	8/1/2012	60		13.34	8.04	200	10.17	0		0		212	36	0	
GFL010 33+00E	DIRT	Niton	XL3t	8/1/2012	60		0		229	10.88	0		0		145	34.92	0	
GFL010 33+25E	DIRT	Niton	XL3t	8/1/2012	60		0		122	8.03	0		0		290	37.08	0	
GFL010 33+50E	DIRT	Niton	XL3t	8/1/2012	60		0		158	9.05	0		0		342	37.42	0	
GFL010 33+75E	DIRT	Niton	XL3t	8/1/2012	60		11.94	7.64	186	9.68	0		0		298	37.3	0	
GFL010 34+00E	DIRT	Niton	XL3t	8/1/2012	60		0		166	9.22	0		0		270	36.69	19.6	12.59
GFL010 34+25E	DIRT	Niton	XL3t	8/1/2012	60		0		221	10.41	0		0		215	34.87	0	
GFL010 34+50E	DIRT	Niton	XL3t	8/1/2012	60		0		194	9.94	0		0		167	34.94	0	
GFL010 34+75E	DIRT	Niton	XL3t	8/1/2012	60		0		147	8.61	0		0		267	36.6	0	
GFL010 35+00E	DIRT	Niton	XL3t	8/1/2012	60		13.71	7.87	199	9.94	0		0		226	35.25	0	
GFL010 35+25E	DIRT	Niton	XL3t	8/1/2012	60		0		149	8.76	0		0		188	35.65	0	
GFL010 35+50E	DIRT	Niton	XL3t	8/1/2012	60		0		171	9.32	0		0		228	35.64	0	
GFL010 35+75E	DIRT	Niton	XL3t	8/1/2012	60		0		149	8.71	0		0		346	37.46	22.76	12.71
GFL010 36+00E	DIRT	Niton	XL3t	8/1/2012	60		0		150	8.72	0		0		316	37.29	19.48	12.67
GFL010 36+25E	DIRT	Niton	XL3t	8/1/2012	60		11.48	7.53	105	7.49	0		0		249	36.15	0	
GFL010 36+50E	DIRT	Niton	XL3t	8/1/2012	60		0		204	10.22	0		0		83	33.95	0	
GFL010 36+75E	DIRT	Niton	XL3t	8/1/2012	60		0		112	7.55	0		0		257	35.67	0	
GFL010 37+00E	DIRT	Niton	XL3t	8/1/2012	60		0		145	8.57	0		0		135	34.18	0	
GFL010 37+25E	DIRT	Niton	XL3t	8/1/2012	60		0		85	6.62	0		20.38	11.26	350	37.61	28.78	12.85
GFL010 37+50E	DIRT	Niton	XL3t	8/1/2012	60		0		88	6.85	0		0		298	36.7	0	
GFL010 37+75E	DIRT	Niton	XL3t	8/1/2012	60		0		193	9.84	0		0		219	35.45	0	
GFL010 38+00E	DIRT	Niton	XL3t	8/1/2012	60		0		227	10.86	0		0		0		0	
GFL010 38+25E	DIRT	Niton	XL3t	8/1/2012	60		13.35	7.63	66	5.9	0		22.98	11.2	395	37.67	23.16	12.67
GFL010 38+50E	DIRT	Niton	XL3t	8/1/2012	60	8.03	0		193	9.87	0		0		76	33.72	0	
GFL010 38+75E	DIRT	Niton	XL3t	8/1/2012	60		0		232	10.84	0		0		245	36.15	0	
GFL010 39+00E	DIRT	Niton	XL3t	8/1/2012	60		0		151	8.76	0		0		229	35.82	0	
GFL010 39+25E	DIRT	Niton	XL3t	8/1/2012	60		16.64	8.11	131	8.12	0		0		244	35.86	0	
GFL010 39+50E	DIRT	Niton	XL3t	8/1/2012	60		0		147	8.63	0		0		0		0	
GFL010 39+75E	DIRT	Niton	XL3t	8/1/2012	60		0		185	9.47	0		0		221	35.11	0	
GFL010 40+00E	DIRT	Niton	XL3t	8/1/2012	60		12.99	7.85	113	7.54	0		0		248	34.67	0	
GFL010 40+25E	DIRT	Niton	XL3t	8/1/2012	60		13.17	7.8	215	10.36	0		0		194	34.33	0	
GFL010 40+50E	DIRT	Niton	XL3t	8/1/2012	60		12.49	7.76	203	10.02	0		0		241	35.33	0	
GFL010 40+75E	DIRT	Niton	XL3t	8/1/2012	60		0		176	9.48	0		0		294	36.8	0	
GFL010 41+00E	DIRT	Niton	XL3t	8/1/2012	60		0		203	10.05	0		0		175	34.78	0	
GFL010 41+25E	DIRT	Niton	XL3t	8/1/2012	60		0		187	10.35	0		0		0		0	
GFL010 41+50E	DIRT	Niton	XL3t	8/1/2012	60		13.27	7.84	218	10.41	0		0		96	34.21	0	
GFL010 41+75E	DIRT	Niton	XL3t	8/1/2012	60		17.94	8.48	229	10.74	0		0		171	34.88	0	
GFL010 42+00E	DIRT	Niton	XL3t	8/1/2012	60		13	7.92	238	10.94	0		0		124	34.3	0	
GFL010 42+25E	DIRT	Niton	XL3t	8/1/2012	60		0		201	10.13	0		0		135	34.71	0	
GFL010 42+50E	DIRT	Niton	XL3t	8/1/2012	60		0		179	9.38	0		0		288	36.48	0	
GFL010 42+75E	DIRT	Niton	XL3t	8/1/2012	60		0		227	10.62	0		0		0		0	
GFL010 43+00E	DIRT	Niton	XL3t	8/1/2012	60		0		137	8.32	0		0		185	35.29	0	
GFL010 43+25E	DIRT	Niton	XL3t	8/1/2012	60		0		205	10	0		0		197	34.82	0	

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
GFL010 43+50E	DIRT	Niton	XL3t	8/1/2012	60		15.89	8.32	171	9.44	0		0		263	36.18	0	
GFL010 43+75E	DIRT	Niton	XL3t	8/1/2012	60		0		205	10.21	0		0		109	34.69	0	
GFL010 44+00E	DIRT	Niton	XL3t	8/1/2012	60		0		146	8.5	0		0		171	34.83	0	
GFL010 44+25E	DIRT	Niton	XL3t	8/1/2012	60		17.99	8.65	181	9.61	0		0		216	36.15	0	
GFL010 44+50E	DIRT	Niton	XL3t	8/1/2012	60		0		174	9.47	0		0		245	36.29	0	
GFL010 44+75E	DIRT	Niton	XL3t	8/1/2012	60		0		171	9.36	0		0		249	35.87	0	
GFL010 45+00E	DIRT	Niton	XL3t	8/1/2012	60		0		174	9.42	0		0		195	34.99	0	
GFL010 45+25E	DIRT	Niton	XL3t	8/1/2012	60		0		202	10.08	0		0		181	34.73	0	
GFL010 45+50E	DIRT	Niton	XL3t	8/1/2012	60		0		114	7.64	0		0		178	35.16	0	
GFL011 00+00	DIRT	Niton	XL3t	8/1/2012	60		0		173	9.23	0		0		258	35.63	0	
GFL011 00+25W	DIRT	Niton	XL3t	8/1/2012	60		11.47	7.52	137	8.31	0		0		198	35.31	0	
GFL011 00+50W	DIRT	Niton	XL3t	8/1/2012	60		0		131	8.1	0		0		178	34.42	0	
GFL011 00+75W	DIRT	Niton	XL3t	8/1/2012	60		0		173	9.42	0		0		124	34.74	0	
GFL011 01+00W	DIRT	Niton	XL3t	8/1/2012	60		0		214	10.41	0		0		196	35.77	0	
GFL011 01+25W	DIRT	Niton	XL3t	8/1/2012	60		14.68	8.08	187	9.62	0		0		256	36.12	0	
GFL011 01+50W	DIRT	Niton	XL3t	8/1/2012	60		0		169	9.22	0		0		275	35.83	0	
GFL011 01+75W	DIRT	Niton	XL3t	8/1/2012	60		0		106	7.43	0		0		367	37.44	19.96	12.58
GFL011 02+00W	DIRT	Niton	XL3t	8/1/2012	60		0		141	8.46	0		0		217	35.62	0	
GFL011 02+25W	DIRT	Niton	XL3t	8/1/2012	60		12.07	7.87	184	9.73	0		0		236	35.98	0	
GFL011 02+50W	DIRT	Niton	XL3t	8/1/2012	60		0		193	9.86	0		0		143	34.14	0	
GFL011 02+75W	DIRT	Niton	XL3t	8/1/2012	60		12.68	8.19	151	8.93	0		0		265	36.3	0	
GFL011 03+00W	DIRT	Niton	XL3t	8/1/2012	60		0		121	7.96	0		0		131	34.43	0	
GFL011 03+25W	DIRT	Niton	XL3t	8/1/2012	60		15.85	8.15	126	8.02	0		0		263	36.36	0	
GFL011 03+50W	DIRT	Niton	XL3t	8/1/2012	60		0		225	10.69	0		0		60	33.26	0	
GFL011 03+75W	DIRT	Niton	XL3t	8/1/2012	60		0		208	10.22	0		0		98	33.98	0	
GFL011 04+00W	DIRT	Niton	XL3t	8/1/2012	60		0		189	9.72	0		0		183	34.6	0	
GFL011 04+25W	DIRT	Niton	XL3t	8/1/2012	60		0		242	11.04	0		0		103	34.08	0	
GFL011 04+50W	DIRT	Niton	XL3t	8/1/2012	60		0		211	10.3	0		0		0		0	
GFL011 04+75W	DIRT	Niton	XL3t	8/1/2012	60		0		217	10.35	0		0		160	34.85	0	
GFL011 05+00W	DIRT	Niton	XL3t	8/1/2012	60		0		128	8.2	0		0		135	34.87	0	
GFL011 05+25W	DIRT	Niton	XL3t	8/1/2012	60		14.13	7.86	174	9.25	0		0		223	35.18	0	
GFL011 05+50W	DIRT	Niton	XL3t	8/1/2012	60		0		86	6.73	0		0		281	36.32	0	
GFL011 05+75W	DIRT	Niton	XL3t	8/1/2012	60		0		195	10.1	0		0		0		0	
GFL011 06+00W	DIRT	Niton	XL3t	8/1/2012	60		0		179	9.4	0		0		184	34.66	0	
GFL011 06+25W	DIRT	Niton	XL3t	8/1/2012	60		0		157	8.95	0		0		149	34.5	0	
GFL011 06+50W	DIRT	Niton	XL3t	8/1/2012	60		0		165	9.03	0		0		257	35.69	0	
GFL011 06+75W	DIRT	Niton	XL3t	8/1/2012	60		0		168	9	0		0		235	35.72	0	
GFL011 07+00W	DIRT	Niton	XL3t	8/1/2012	60		0		181	9.55	0		0		74	33.66	0	
GFL011 07+25W	DIRT	Niton	XL3t	8/1/2012	60		0		54	5.34	0		0		201	35.28	0	
GFL011 07+50W	DIRT	Niton	XL3t	8/1/2012	60		0		133	8.11	0		0		335	36.92	0	
GFL011 07+75W	DIRT	Niton	XL3t	8/1/2012	60		11.68	7.66	161	8.98	0		0		191	34.62	0	
GFL011 08+00W	DIRT	Niton	XL3t	8/1/2012	60		0		164	9.13	0		0		209	35.68	0	
GFL011 08+25W	DIRT	Niton	XL3t	8/1/2012	60		0		91	6.75	0		0		257	35.08	0	
GFL011 08+50W	DIRT	Niton	XL3t	8/1/2012	60		0		169	9.16	0		0		248	36.31	0	
GFL011 08+75W	DIRT	Niton	XL3t	8/1/2012	60		0		156	8.97	0		0		0		0	

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
GFL011 09+00W	DIRT	Niton	XL3t	8/1/2012	60		0		142	8.49	0		0		129	34.44	0	
GFL011 09+25W	DIRT	Niton	XL3t	8/1/2012	60		0		84	6.54	0		0		264	35.87	19.2	12.33
GFL011 09+50W	DIRT	Niton	XL3t	8/1/2012	60		14.36	7.92	132	8.12	0		0		249	35.92	0	
GFL011 09+75W	DIRT	Niton	XL3t	8/1/2012	60		0		167	9.22	0		0		149	34.83	0	
GFL011 10+00W	DIRT	Niton	XL3t	8/1/2012	60		0		128	8.13	0		0		136	35.16	0	
GFL011 10+25W	DIRT	Niton	XL3t	8/1/2012	60		17.94	8.35	123	7.98	0		0		0		0	
GFL011 10+50W	DIRT	Niton	XL3t	8/1/2012	60		0		124	7.82	0		0		164	34.59	0	
GFL011 10+75W	DIRT	Niton	XL3t	8/1/2012	60		0		132	9.01	0		0		0		0	
GFL011 11+00W	DIRT	Niton	XL3t	8/1/2012	60		17.43	9.66	117	8.77	0		0		0		0	
GFL011 11+25W	DIRT	Niton	XL3t	8/1/2012	60		0		137	8.55	0		0		0		0	
GFL011 11+50W	DIRT	Niton	XL3t	8/1/2012	60		0		195	9.85	0		0		126	34.05	0	
GFL011 11+75W	DIRT	Niton	XL3t	8/1/2012	60		16.19	8.59	173	9.62	0		0		185	35.85	0	
GFL011 12+00W	DIRT	Niton	XL3t	8/1/2012	60		0		184	10.09	0		0		75	35.43	0	
GFL011 12+25W	DIRT	Niton	XL3t	8/1/2012	60		0		185	10.03	0		0		102	35.78	0	
GFL011 12+50W	DIRT	Niton	XL3t	8/1/2012	60		0		169	9.49	0		0		128	35.05	0	
GFL011 12+75W	DIRT	Niton	XL3t	8/1/2012	60		15.4	8.72	199	10.59	0		0		191	37.85	0	
GFL011 13+00W	DIRT	Niton	XL3t	8/1/2012	60		0		115	7.93	0		22.83	11.77	314	38.91	31.22	13.45
GFL011 13+25W	DIRT	Niton	XL3t	8/1/2012	60		0		112	7.59	0		21.93	11.44	303	37.74	24.07	12.96
GFL011 13+50W	DIRT	Niton	XL3t	8/1/2012	60		0		192	9.83	0		0		229	35.58	0	
GFL011 13+75W	DIRT	Niton	XL3t	8/1/2012	60		0		138	8.59	0		0		143	35.85	0	
GFL011 14+00W	DIRT	Niton	XL3t	8/2/2012	60		0		106	7.62	0		0		195	36.66	0	
GFL011 14+25W	DIRT	Niton	XL3t	8/2/2012	60		0		145	8.74	0		0		0		0	
GFL011 14+50W	DIRT	Niton	XL3t	8/2/2012	60		0		136	8.58	0		0		235	37.12	0	
GFL011 14+75W	DIRT	Niton	XL3t	8/2/2012	60		0		97	7.25	0		21.09	11.42	351	38.1	31.36	13.06
GFL011 15+00W	DIRT	Niton	XL3t	8/2/2012	60	7.84	0		148	8.88	0		0		259	36.54	0	
GFL011 15+25W	DIRT	Niton	XL3t	8/2/2012	60		0		165	9.21	0		0		227	35.79	0	
GFL011 15+50W	DIRT	Niton	XL3t	8/2/2012	60		0		192	10.02	0		0		0		0	
GFL011 15+75W	DIRT	Niton	XL3t	8/2/2012	60		0		148	8.73	0		0		273	36.17	0	
GFL011 16+00W	DIRT	Niton	XL3t	8/2/2012	60		0		193	10.05	0		0		269	37.08	0	
GFL011 16+25W	DIRT	Niton	XL3t	8/2/2012	60		0		78	6.66	0		21.45	11.67	425	39.62	0	
GFL011 16+50W	DIRT	Niton	XL3t	8/2/2012	60		18.67	9.03	180	9.97	0		0		0		0	
GFL011 16+75W	DIRT	Niton	XL3t	8/2/2012	60		0		184	10.67	0		0		0		0	
GFL011 17+00W	DIRT	Niton	XL3t	8/2/2012	60		0		171	9.56	0		0		255	37.22	0	
GFL011 17+25W	DIRT	Niton	XL3t	8/2/2012	60		0		209	10.37	0		0		363	37.88	0	
GFL011 17+50W	DIRT	Niton	XL3t	8/2/2012	60		0		219	10.84	0		0		124	35.38	0	
GFL011 17+75W	DIRT	Niton	XL3t	8/2/2012	60		0		225	10.84	0		0		273	36.72	0	
GFL011 18+00W	DIRT	Niton	XL3t	8/2/2012	60		0		202	10.17	0		0		157	34.56	0	
GFL011 18+25W	DIRT	Niton	XL3t	8/2/2012	60		0		163	9.25	0		0		351	37.34	0	
GFL011 18+50W	DIRT	Niton	XL3t	8/2/2012	60	8.82	15.42	8.52	146	8.94	0		0		206	35.91	0	
GFL011 18+75W	DIRT	Niton	XL3t	8/2/2012	60		0		162	9.37	0		0		218	36.29	0	
GFL011 19+00W	DIRT	Niton	XL3t	8/2/2012	60		14.29	8.5	167	9.52	0		0		262	37.15	0	
GFL011 19+25W	DIRT	Niton	XL3t	8/2/2012	60		17.82	8.71	149	8.95	0		0		163	34.74	0	
GFL011 19+50W	DIRT	Niton	XL3t	8/2/2012	60		0		160	9.35	0		0		249	37.26	0	
GFL011 19+75W	DIRT	Niton	XL3t	8/2/2012	60		13.13	8.2	138	8.54	0		0		187	35.23	0	
GFL011 2+50W	DIRT	Niton	XL3t	8/2/2012	60		17.27	8.7	186	9.92	0		0		99	34.74	0	

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
GFL011 20+00W	DIRT	Niton	XL3t	8/2/2012	60		0		193	10.01	0		0		281	36.61	0	
GFL011 20+25W	DIRT	Niton	XL3t	8/2/2012	60		14.61	8.71	163	9.49	0		0		204	36.31	0	
GFL011 20+50W	DIRT	Niton	XL3t	8/2/2012	60		13.28	8.8	167	9.88	0		0		144	36.94	0	
GFL011 20+75W	DIRT	Niton	XL3t	8/2/2012	60		0		113	7.95	0		0		120	35.59	0	
GFL011 21+00W	DIRT	Niton	XL3t	8/2/2012	60		0		174	9.62	0		0		316	37.03	0	
GFL011 21+25W	DIRT	Niton	XL3t	8/2/2012	60		14.72	8.48	114	7.82	0		0		352	38.16	30.75	13.03
GFL011 21+50W	DIRT	Niton	XL3t	8/2/2012	60		0		156	8.98	0		0		229	35.91	0	
GFL011 21+75W	DIRT	Niton	XL3t	8/2/2012	60		12.92	8.38	143	8.78	0		0		178	35.99	0	
GFL011 22+00W	DIRT	Niton	XL3t	8/2/2012	60		0		178	9.66	0		0		201	35.57	0	
GFL011 22+25W	DIRT	Niton	XL3t	8/2/2012	60		12.83	8.15	183	9.73	0		0		341	37.58	0	
GFL011 22+75W	DIRT	Niton	XL3t	8/2/2012	60		0		183	9.58	0		0		209	35.3	0	
GFL011 23+00W	DIRT	Niton	XL3t	8/2/2012	60		13.54	8.36	144	8.86	0		0		315	38.15	0	
GFL011 23+25W	DIRT	Niton	XL3t	8/2/2012	60	10.69	23.03	9.76	183	10.09	0		0		0		0	
GFL011 23+50W	DIRT	Niton	XL3t	8/2/2012	60		0		220	19.89	0		0		0		0	
GFL011 23+75W	DIRT	Niton	XL3t	8/2/2012	60		0		190	10.02	0		0		181	35.61	0	
GFL011 24+00W	DIRT	Niton	XL3t	8/2/2012	60		15.4	8.78	189	10.07	0		0		172	35.79	0	
GFL011 24+25W	DIRT	Niton	XL3t	8/2/2012	60		0		160	9.05	0		0		241	36.03	0	
GFL011 24+50W	DIRT	Niton	XL3t	8/2/2012	60		13.07	8.47	175	10.11	0		0		300	39.6	0	
GFL011 24+75W	DIRT	Niton	XL3t	8/2/2012	60		0		142	8.78	0		0		171	35.78	0	
GFL011 25+00W	DIRT	Niton	XL3t	8/2/2012	60		0		147	8.72	0		0		350	37.15	0	
GFL011 25+25W	DIRT	Niton	XL3t	8/2/2012	60		0		145	9.16	0		0		272	38.7	0	
GFL011 25+50W	DIRT	Niton	XL3t	8/2/2012	60	8.97	13.5	8.26	153	9.15	0		0		167	35.88	0	
GFL011 25+75W	DIRT	Niton	XL3t	8/2/2012	60		0		146	8.59	0		0		248	35.76	0	
GFL011 26+00W	DIRT	Niton	XL3t	8/2/2012	60		0		145	8.6	0		0		278	36.4	0	
GFL011 26+25W	DIRT	Niton	XL3t	8/2/2012	60		0		121	7.81	0		0		234	35.66	0	
GFL011 26+50W	DIRT	Niton	XL3t	8/2/2012	60		0		82	6.53	0		0		177	33.98	0	
GFL011 26+75W	DIRT	Niton	XL3t	8/2/2012	60		0		99	7.2	0		0		258	35.65	0	
GFL011 27+00W	DIRT	Niton	XL3t	8/2/2012	60		0		156	8.93	0		0		233	35.93	0	
GFL011 27+25W	DIRT	Niton	XL3t	8/2/2012	60		0		168	9.25	0		0		156	34.47	0	
GFL011 27+50W	DIRT	Niton	XL3t	8/2/2012	60		0		98	7.04	0		0		411	37.39	35.14	12.71
GFL011 27+75W	DIRT	Niton	XL3t	8/2/2012	60		0		163	9.21	0		0		173	35.1	0	
GFL011 28+00W	DIRT	Niton	XL3t	8/2/2012	60	9.57	12.64	8.39	134	8.71	0		0		0		0	
GFL011 28+25W	DIRT	Niton	XL3t	8/2/2012	60		13.27	7.8	152	8.77	0		0		232	35.44	0	
GFL011 28+50W	DIRT	Niton	XL3t	8/2/2012	60		0		156	8.82	0		0		210	35.08	0	
GFL011 28+75W	DIRT	Niton	XL3t	8/2/2012	60		0		139	8.24	0		0		230	35.49	0	
GFL011 29+00W	DIRT	Niton	XL3t	8/2/2012	60		0		97	6.97	0		0		108	33.02	0	
GFL011 29+25W	DIRT	Niton	XL3t	8/2/2012	60		0		118	7.68	0		0		153	34.21	0	
GFL011 29+50W	DIRT	Niton	XL3t	8/2/2012	60		17.31	8.2	87	6.74	0		0		163	34.72	0	
GFL011 29+75W	DIRT	Niton	XL3t	8/2/2012	60		0		73	6.15	12.69	7.29	23.68	11.14	412	37.51	33.17	12.74
GFL011 30+00W	DIRT	Niton	XL3t	8/2/2012	60		0		91	32.8	0		0		0		0	
GFL011 30+25W	DIRT	Niton	XL3t	8/2/2012	60		0		125	7.88	0		0		97	33.67	0	
GFL011 30+50W	DIRT	Niton	XL3t	8/2/2012	60		15.79	8.32	167	9.22	0		0		207	35.45	0	
GFL011 30+75W	DIRT	Niton	XL3t	8/2/2012	60		0		180	9.53	0		0		217	36.17	0	
GFL011 31+00W	DIRT	Niton	XL3t	8/2/2012	60		0		199	10.1	0		0		86	33.93	0	
GFL011 31+25W	DIRT	Niton	XL3t	8/2/2012	60		0		106	7.25	0		0		235	35.41	19.65	12.26

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
GFL011 31+50W	DIRT	Niton	XL3t	8/2/2012	60		0		83	6.54	0		0		299	35.95	0	
GFL011 31+75W	DIRT	Niton	XL3t	8/2/2012	60		0		184	9.58	0		0		225	35.44	0	
GFL011 32+00W	DIRT	Niton	XL3t	8/2/2012	60		14.71	8.05	204	10.1	0		0		274	36.38	0	
GFL011 32+25W	DIRT	Niton	XL3t	8/2/2012	60		12.35	8.14	178	9.76	0		0		156	35.26	0	
GFL011 32+50W	DIRT	Niton	XL3t	8/2/2012	60		0		162	9.08	0		0		91	34.01	0	
GFL011 32+75W	DIRT	Niton	XL3t	8/2/2012	60		0		219	10.54	0		0		261	36.34	0	
GFL011 33+00W	DIRT	Niton	XL3t	8/2/2012	60		13.68	8.15	161	9.11	0		0		243	35.79	0	
GFL011 33+25W	DIRT	Niton	XL3t	8/2/2012	60		0		189	9.77	0		0		255	36.24	0	
GFL011 33+50W	DIRT	Niton	XL3t	8/2/2012	60		0		115	7.68	0		0		241	35.24	0	
GFL011 33+75W	DIRT	Niton	XL3t	8/2/2012	60		0		91	6.89	0		0		373	37.2	21.01	12.52
GFL011 34+00W	DIRT	Niton	XL3t	8/2/2012	60		0		197	9.95	0		0		283	37.02	0	
GFL011 34+25W	DIRT	Niton	XL3t	8/2/2012	60		0		194	9.8	0		0		217	35.26	0	
GFL011 34+50W	DIRT	Niton	XL3t	8/2/2012	60		11.71	7.67	115	7.61	0		18	11.18	370	37.69	24.35	12.77
GFL011 34+75W	DIRT	Niton	XL3t	8/2/2012	60		0		183	9.44	0		0		193	34.76	0	
GFL011 35+00W	DIRT	Niton	XL3t	8/2/2012	60		0		179	9.6	0		0		174	35.38	0	
GFL011 35+25W	DIRT	Niton	XL3t	8/2/2012	60		0		168	9.13	0		0		272	36.09	0	
GFL011 35+50W	DIRT	Niton	XL3t	8/2/2012	60		0		134	8.36	0		0		342	37.55	0	
GFL011 35+75W	DIRT	Niton	XL3t	8/2/2012	60		0		179	9.54	0		0		244	35.87	0	
GFL011 36+00W	DIRT	Niton	XL3t	8/2/2012	60		0		194	10.09	0		0		265	36.81	0	
GFL011 36+25W	DIRT	Niton	XL3t	8/2/2012	60		0		179	9.56	0		0		266	36.35	0	
GFL011 36+50W	DIRT	Niton	XL3t	8/2/2012	60		0		173	9.37	0		0		268	36.2	0	
GFL011 36+75W	DIRT	Niton	XL3t	8/2/2012	60		0		164	9.2	0		0		106	34.15	0	
GFL011 37+00W	DIRT	Niton	XL3t	8/2/2012	60		0		184	9.77	0		0		293	36.58	0	
GFL011 37+25W	DIRT	Niton	XL3t	8/2/2012	60		16.84	8.29	179	9.48	0		0		192	35.13	0	
GFL011 37+50W	DIRT	Niton	XL3t	8/2/2012	60		14.16	8.05	127	7.98	0		0		393	37.78	27.56	12.76
GFL011 37+75W	DIRT	Niton	XL3t	8/2/2012	60		0		171	9.32	0		0		255	36.07	0	
GFL011 38+00W	DIRT	Niton	XL3t	8/2/2012	60		0		186	9.84	0		0		292	37.1	0	
GFL011 38+25W	DIRT	Niton	XL3t	8/2/2012	60		0		200	10.05	0		0		211	35.23	0	
GFL011 38+50W	DIRT	Niton	XL3t	8/2/2012	60		0		99	7.07	0		0		192	34.74	0	
GFL011 38+75W	DIRT	Niton	XL3t	8/2/2012	60		11.55	7.6	178	9.38	0		0		227	35.36	0	
GFL011 39+00W	DIRT	Niton	XL3t	8/2/2012	60		0		212	10.24	0		0		246	36.13	0	
GFL011 39+25W	DIRT	Niton	XL3t	8/2/2012	60		0		81	6.37	0		0		318	36.04	0	
GFL011 39+50W	DIRT	Niton	XL3t	8/2/2012	60		0		196	9.88	0		0		188	34.55	0	
GFL011 39+75W	DIRT	Niton	XL3t	8/2/2012	60		13.17	7.91	173	9.33	0		0		253	36.12	0	
GFL011 40+00W	DIRT	Niton	XL3t	8/2/2012	60		0		207	10.24	0		0		214	36	0	
GFL011 40+25W	DIRT	Niton	XL3t	8/2/2012	60		0		179	9.49	0		0		176	35.01	0	
GFL011 40+50W	DIRT	Niton	XL3t	8/2/2012	60		0		144	8.39	0		0		275	35.87	0	
GFL011 40+75W	DIRT	Niton	XL3t	8/2/2012	60		0		110	7.49	0		0		280	35.65	0	
GFL011 41+00W	DIRT	Niton	XL3t	8/2/2012	60		0		216	10.64	0		0		189	36.27	0	
GFL011 41+25W	DIRT	Niton	XL3t	8/2/2012	60		11.67	7.72	234	10.8	0		0		189	35.39	0	
GFL011 41+50W	DIRT	Niton	XL3t	8/2/2012	60		0		232	10.8	0		0		205	35.31	0	
GFL011 41+75W	DIRT	Niton	XL3t	8/3/2012	60		0		181	9.56	0		0		324	36.78	0	
GFL011 42+00W	DIRT	Niton	XL3t	8/3/2012	60		0		87	6.65	0		0		324	35.82	0	
GFL011 42+25W	DIRT	Niton	XL3t	8/3/2012	60		0		175	9.34	0		0		294	36.87	0	
GFL011 42+50W	DIRT	Niton	XL3t	8/3/2012	60		0		74	6.2	0		0		308	36.22	29.19	12.49

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
GFL011 42+75W	DIRT	Niton	XL3t	8/3/2012	60		15.8	8.37	182	9.69	0		0		235	36.44	0	
GFL011 43+00W	DIRT	Niton	XL3t	8/3/2012	60		0		178	9.75	0		0		105	34.32	0	
GFL011 43+25W	DIRT	Niton	XL3t	8/3/2012	60		0		176	9.47	0		0		268	35.76	0	
GFL011 43+50W	DIRT	Niton	XL3t	8/3/2012	60		0		98	7.13	0		0		174	34.63	0	
GFL011 43+75W	DIRT	Niton	XL3t	8/3/2012	60		0		101	7.23	0		0		262	35.92	0	
GFL011 44+00W	DIRT	Niton	XL3t	8/3/2012	60		0		68	6.09	0		0		329	37.44	0	
GFL011 44+25W	DIRT	Niton	XL3t	8/3/2012	60		14.71	8.09	167	9.11	0		0		220	35.05	0	
GFL011 44+50W	DIRT	Niton	XL3t	8/3/2012	60		0		111	7.52	0		0		212	35.22	0	
GFL011 44+75W	DIRT	Niton	XL3t	8/3/2012	60		0		152	8.77	0		0		236	35.43	0	
GFL011 45+00W	DIRT	Niton	XL3t	8/3/2012	60		0		196	9.96	0		0		253	35.86	0	
GFL011 45+25W	DIRT	Niton	XL3t	8/3/2012	60		0		183	9.51	0		0		309	36.37	0	
GFL011 45+50W	DIRT	Niton	XL3t	8/3/2012	60		0		207	10.24	0		0		224	35.54	0	
GFL011 45+75W	DIRT	Niton	XL3t	8/3/2012	60		0		135	8.42	0		0		269	36.85	0	
GFL011 46+00W	DIRT	Niton	XL3t	8/3/2012	60		0		94	7.04	0		0		370	37.63	19.43	12.66
GFL012 00+00	DIRT	Niton	XL3t	8/3/2012	60		0		197	10.04	0		0		252	36.01	0	
GFL012 00+25E	DIRT	Niton	XL3t	8/3/2012	60		0		175	9.53	0		0		178	35.18	0	
GFL012 00+50E	DIRT	Niton	XL3t	8/3/2012	60		0		150	8.78	0		0		160	34.92	0	
GFL012 00+75E	DIRT	Niton	XL3t	8/3/2012	60		0		78	6.37	0		0		366	36.81	27	12.5
GFL012 01+00E	DIRT	Niton	XL3t	8/3/2012	60		16.13	8.11	90	6.84	0		0		303	36.22	0	
GFL012 01+25E	DIRT	Niton	XL3t	8/3/2012	60		0		83	7.03	0		0		396	39.94	21.02	13.36
GFL012 01+50E	DIRT	Niton	XL3t	8/3/2012	60		0		197	10.13	0		0		150	34.64	0	
GFL012 01+75E	DIRT	Niton	XL3t	8/3/2012	60		15.05	7.86	220	10.37	0		0		144	34.23	0	
GFL012 02+00E	DIRT	Niton	XL3t	8/3/2012	60		0		129	8.01	0		0		277	35.7	0	
GFL012 02+25E	DIRT	Niton	XL3t	8/3/2012	60		0		178	9.64	0		0		250	36.48	0	
GFL012 02+50E	DIRT	Niton	XL3t	8/3/2012	60		0		203	10.19	0		0		52	33.49	0	
GFL012 02+75E	DIRT	Niton	XL3t	8/3/2012	60		0		200	10.83	0		0		0		0	
GFL012 03+00E	DIRT	Niton	XL3t	8/3/2012	60		0		208	10.25	0		0		0		0	
GFL012 03+25E	DIRT	Niton	XL3t	8/3/2012	60		12.25	7.8	204	10.16	0		0		82	33.51	0	
GFL012 03+50E	DIRT	Niton	XL3t	8/3/2012	60		0		183	9.56	0		0		173	34.63	0	
GFL012 03+75E	DIRT	Niton	XL3t	8/3/2012	60		0		126	8.13	0		0		299	36.87	0	
GFL012 04+00E	DIRT	Niton	XL3t	8/3/2012	60		0		193	9.88	0		0		189	35.44	0	
GFL012 04+25E	DIRT	Niton	XL3t	8/3/2012	60		0		93	6.87	0		0		217	35	0	
GFL012 04+50E	DIRT	Niton	XL3t	8/3/2012	60		0		150	9.04	0		0		0		0	
GFL012 04+75E	DIRT	Niton	XL3t	8/3/2012	60		0		126	8.19	0		0		267	36.89	0	
GFL012 05+00E	DIRT	Niton	XL3t	8/3/2012	60		0		113	7.63	0		0		250	35.62	0	
GFL012 05+25E	DIRT	Niton	XL3t	8/3/2012	60		0		76	6.23	0		0		346	36.52	23.64	12.4
GFL012 05+50E	DIRT	Niton	XL3t	8/3/2012	60		13.7	8.54	197	10.3	0		0		247	37.18	0	
GFL012 05+75E	DIRT	Niton	XL3t	8/3/2012	60		12.33	7.71	99	7.11	0		0		243	35.27	0	
GFL012 06+00E	DIRT	Niton	XL3t	8/3/2012	60		21.16	9.24	186	9.93	0		0		204	36.65	0	
GFL012 06+25E	DIRT	Niton	XL3t	8/3/2012	60		0		75	6.19	0		0		353	36.97	29.34	12.63
GFL012 06+50E	DIRT	Niton	XL3t	8/3/2012	60		0		175	9.42	0		0		118	34.04	0	
GFL012 06+75E	DIRT	Niton	XL3t	8/3/2012	60		0		187	9.63	0		0		190	34.7	0	
GFL012 07+00E	DIRT	Niton	XL3t	8/3/2012	60		14.37	8.29	224	10.72	0		0		104	34.2	0	
GFL012 07+25E	DIRT	Niton	XL3t	8/3/2012	60		14.15	7.94	113	7.6	0		0		358	37.08	0	
GFL012 07+50E	DIRT	Niton	XL3t	8/3/2012	60		0		217	10.58	0		0		204	36.1	0	

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
GFL012 07+75E	DIRT	Niton	XL3t	8/3/2012	60		0		188	9.95	0		0		135	34.89	0	
GFL012 08+00E	DIRT	Niton	XL3t	8/3/2012	60		0		178	10.09	0		0		0		0	
GFL012 08+25E	DIRT	Niton	XL3t	8/3/2012	60		0		180	9.6	0		0		281	36.1	0	
GFL012 08+50E	DIRT	Niton	XL3t	8/3/2012	60		15.26	8.27	192	9.93	0		0		194	36.03	0	
GFL012 08+75E	DIRT	Niton	XL3t	8/3/2012	60		0		155	8.88	0		0		306	36.83	0	
GFL012 09+00E	DIRT	Niton	XL3t	8/3/2012	60		11.8	7.78	159	8.95	0		0		256	36.07	0	
GFL012 09+25E	DIRT	Niton	XL3t	8/3/2012	60		0		95	6.9	0		0		305	36	0	
GFL012 09+50E	DIRT	Niton	XL3t	8/3/2012	60	8.69	0		142	8.46	0		0		288	36.73	0	
GFL012 09+75E	DIRT	Niton	XL3t	8/3/2012	60		0		148	8.78	0		0		351	38	0	
GFL012 10+00E	DIRT	Niton	XL3t	8/3/2012	60		0		133	8.59	0		0		285	37.86	0	
GFL012 10+25E	DIRT	Niton	XL3t	8/3/2012	60		12.58	8	152	8.78	0		0		271	36.35	0	
GFL012 10+50E	DIRT	Niton	XL3t	8/3/2012	60		0		90	6.79	0		0		250	35.77	0	
GFL012 10+75E	DIRT	Niton	XL3t	8/3/2012	60		14.49	7.72	135	8.21	0		0		301	36.4	0	
GFL012 11+00E	DIRT	Niton	XL3t	8/3/2012	60		0		143	8.32	0		0		250	35.52	0	
GFL012 11+25E	DIRT	Niton	XL3t	8/3/2012	60		0		214	10.26	0		0		228	35.48	0	
GFL012 11+50E	DIRT	Niton	XL3t	8/3/2012	60		11.99	7.81	155	8.85	0		0		316	36.66	0	
GFL012 11+75E	DIRT	Niton	XL3t	8/3/2012	60		18.18	8.5	139	8.49	0		0		305	37.13	0	
GFL012 12+00E	DIRT	Niton	XL3t	8/3/2012	60		0		189	9.82	0		0		240	36.11	0	
GFL012 12+25E	DIRT	Niton	XL3t	8/3/2012	60		0		189	10.22	0		0		182	36.16	0	
GFL012 12+50E	DIRT	Niton	XL3t	8/3/2012	60		18.49	8.64	150	8.91	0		0		171	35.06	0	
GFL012 12+75E	DIRT	Niton	XL3t	8/3/2012	60		15.33	8.66	154	9.5	0		0		154	37.76	0	
GFL012 13+00E	DIRT	Niton	XL3t	8/3/2012	60		0		173	9.62	0		0		154	36.03	0	
GFL012 13+25E	DIRT	Niton	XL3t	8/3/2012	60		0		213	10.53	0		0		0		0	
GFL012 13+50E	DIRT	Niton	XL3t	8/3/2012	60		0		180	9.76	0		0		130	35.51	0	
GFL012 13+75E	DIRT	Niton	XL3t	8/3/2012	10		0		182	20.69								
GFL012 14+00E	DIRT	Niton	XL3t	8/3/2012	60		12.2	7.54	166	9.05	0		0		295	36.21	0	
GFL012 14+25E	DIRT	Niton	XL3t	8/3/2012	60		0		171	9.35	0		0		160	34.77	0	
GFL012 14+50E	DIRT	Niton	XL3t	8/4/2012	60		12.88	7.77	190	9.76	0		0		194	35.26	0	
GFL012 14+75E	DIRT	Niton	XL3t	8/4/2012	60		0		175	9.28	0		0		205	34.78	0	
GFL012 15+00E	DIRT	Niton	XL3t	8/4/2012	60		0		189	9.8	0		0		165	34.4	0	
GFL012 15+25E	DIRT	Niton	XL3t	8/4/2012	60		0		108	7.31	0		0		171	34.04	0	
GFL012 15+50E	DIRT	Niton	XL3t	8/4/2012	60		14.13	8.35	168	9.34	0		0		128	34.32	0	
GFL012 15+75E	DIRT	Niton	XL3t	8/4/2012	60		0		178	9.62	0		0		160	34.7	0	
GFL012 16+00E	DIRT	Niton	XL3t	8/4/2012	60		12.26	7.85	111	7.59	0		0		173	34.98	0	
GFL012 16+25E	DIRT	Niton	XL3t	8/4/2012	60		0		116	7.66	0		0		265	35.67	0	
GFL012 16+50E	DIRT	Niton	XL3t	8/4/2012	60		0		82	6.63	0		0		311	37.34	33.36	12.96
GFL012 16+75E	DIRT	Niton	XL3t	8/4/2012	60		0		96	6.96	0		21.25	11.02	285	36.23	22.33	12.47
GFL012 17+00E	DIRT	Niton	XL3t	8/4/2012	60		12.02	7.7	146	8.6	0		0		176	34.68	0	
GFL012 17+25E	DIRT	Niton	XL3t	8/4/2012	60		0		125	8.06	0		0		190	35.3	0	
GFL012 17+50E	DIRT	Niton	XL3t	8/4/2012	60		0		60	5.6	0		0		224	34.62	0	
GFL012 17+75E	DIRT	Niton	XL3t	8/4/2012	60		0		63	5.79	0		0		324	36.2	0	
GFL012 18+00E	DIRT	Niton	XL3t	8/4/2012	60		0		107	7.64	0		0		78	34.31	0	
GFL012 18+25E	DIRT	Niton	XL3t	8/4/2012	60		0		174	9.44	0		0		0		0	
GFL012 18+50E	DIRT	Niton	XL3t	8/4/2012	60		0		132	8.16	0		0		256	35.68	0	
GFL012 18+75E	DIRT	Niton	XL3t	8/4/2012	60		0		124	7.96	0		0		73	33.19	0	

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
GFL012 19+00E	DIRT	Niton	XL3t	8/4/2012	60		0		69	5.96	0		0		318	35.96	0	
GFL012 19+25E	DIRT	Niton	XL3t	8/4/2012	60		0		119	7.7	0		0		225	35.24	0	
GFL012 19+50E	DIRT	Niton	XL3t	8/4/2012	60		12.29	7.8	133	8.15	0		0		239	35.02	0	
GFL012 19+75E	DIRT	Niton	XL3t	8/4/2012	60		0		176	9.9	0		0		205	36.73	0	
GFL012 20+00E	DIRT	Niton	XL3t	8/4/2012	60		19.54	9.37	123	8.62	0		0		65	36.29	0	
GFL012 20+25E	DIRT	Niton	XL3t	8/4/2012	60		0		165	9.39	0		0		0		0	
GFL012 20+50E	DIRT	Niton	XL3t	8/4/2012	60		0		196	9.95	0		0		173	34.18	0	
GFL012 20+75E	DIRT	Niton	XL3t	8/4/2012	60		0		91	7	0		0		275	35.71	0	
GFL012 21+00E	DIRT	Niton	XL3t	8/4/2012	60		12.02	7.68	77	6.28	0		0		321	35.83	0	
GFL012 21+25E	DIRT	Niton	XL3t	8/4/2012	60		0		80	6.46	0		0		127	33.72	0	
GFL012 21+50E	DIRT	Niton	XL3t	8/4/2012	60		0		134	8.65	0		0		157	36.03	0	
GFL012 21+75E	DIRT	Niton	XL3t	8/4/2012	60		0		161	8.99	0		0		171	34.67	0	
GFL012 22+00E	DIRT	Niton	XL3t	8/4/2012	60		0		190	9.97	0		0		0		0	
GFL012 22+50E	DIRT	Niton	XL3t	8/4/2012	60		13.82	8.28	144	8.71	0		0		56	33.65	0	
GFL012 22+75E	DIRT	Niton	XL3t	8/4/2012	60		0		185	9.87	0		0		110	34.51	0	
GFL012 23+00E	DIRT	Niton	XL3t	8/4/2012	60		0		146	8.57	0		0		0		0	
GFL012 23+25E	DIRT	Niton	XL3t	8/4/2012	60		0		178	9.38	0		0		245	36.02	0	
GFL012 23+50E	DIRT	Niton	XL3t	8/4/2012	60		0		185	9.77	0		0		0		0	
GFL012 24+00E	DIRT	Niton	XL3t	8/4/2012	60		0		142	8.56	0		0		318	36.92	0	
GFL012 24+25E	DIRT	Niton	XL3t	8/4/2012	60		0		169	9.3	0		0		247	35.94	0	
GFL012 24+50E	DIRT	Niton	XL3t	8/4/2012	60		0		146	8.73	0		0		136	34.39	0	
GFL012 24+75E	DIRT	Niton	XL3t	8/4/2012	60		0		142	8.54	0		0		262	36.66	0	
GFL012 25+00E	DIRT	Niton	XL3t	8/4/2012	60		0		140	8.48	0		0		301	36.44	0	
GFL012 25+25E	DIRT	Niton	XL3t	8/4/2012	60		0		151	8.74	0		0		304	36.56	0	
GFL012 25+75E	DIRT	Niton	XL3t	8/4/2012	60		0		182	9.72	0		0		195	35.46	0	
GFL012 26+00E	DIRT	Niton	XL3t	8/4/2012	60		13.26	8.15	180	9.62	0		0		280	36.41	0	
GFL012 26+25E	DIRT	Niton	XL3t	8/4/2012	60		0		163	9.45	0		0		0		0	
GFL012 26+50E	DIRT	Niton	XL3t	8/4/2012	60		0		148	8.81	0		0		0		0	
GFL012 26+75E	DIRT	Niton	XL3t	8/4/2012	60		16.38	9.26	186	10.52	0		0		0		0	
GFL012 27+00E	DIRT	Niton	XL3t	8/4/2012	60		0		127	8.23	0		0		181	34.78	0	
GFL012 27+25E	DIRT	Niton	XL3t	8/4/2012	60		21.73	9.13	168	9.44	0		0		0		0	
GFL012 27+50E	DIRT	Niton	XL3t	8/4/2012	60		0		168	9.36	0		0		101	33.85	0	
GFL012 27+75E	DIRT	Niton	XL3t	8/4/2012	60		12.16	8.09	139	8.62	0		0		242	36.81	0	
GFL012 28+00E	DIRT	Niton	XL3t	8/4/2012	60		0		147	9.1	0		0		144	35.96	0	
GFL012 28+25E	DIRT	Niton	XL3t	8/4/2012	60		0		134	8.46	0		0		55	33.9	0	
GFL012 28+50E	DIRT	Niton	XL3t	8/4/2012	60		0		121	8.26	0		0		0		0	
GFL012 28+75E	DIRT	Niton	XL3t	8/4/2012	60		12.84	7.96	175	9.44	0		0		141	34.51	0	
GFL012 29+00E	DIRT	Niton	XL3t	8/4/2012	60		0		184	9.72	0		0		91	33.79	0	
GFL012 29+25E	DIRT	Niton	XL3t	8/4/2012	60		0		206	10.24	0		0		50	33.11	0	
GFL012 29+50E	DIRT	Niton	XL3t	8/4/2012	60		0		187	9.8	0		0		0		0	
GFL012 29+75E	DIRT	Niton	XL3t	8/4/2012	60		0		147	8.72	0		0		358	37.61	0	
GFL012 30+00E	DIRT	Niton	XL3t	8/4/2012	60		0		180	9.76	0		0		0		0	
GFL012 30+25E	DIRT	Niton	XL3t	8/4/2012	60		0		170	9.34	0		0		0		0	
GFL012 30+50E	DIRT	Niton	XL3t	8/4/2012	60		11.72	7.68	181	9.59	0		0		107	33.7	0	
GFL012 30+75E	DIRT	Niton	XL3t	8/4/2012	60		12.48	7.78	177	9.45	0		0		110	34.08	0	

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
GFL012 31+00	DIRT	Niton	XL3t	8/4/2012	60		0		170	9.29	0		0		0		0	
GFL012 31+25E	DIRT	Niton	XL3t	8/4/2012	60		0		148	9.02	0		0		153	36.18	0	
GFL012 31+50E	DIRT	Niton	XL3t	8/4/2012	60		12.56	8.02	165	9.39	0		0		0		0	
GFL012 31+75E	DIRT	Niton	XL3t	8/4/2012	60		0		175	9.62	0		0		127	35.26	0	
GFL012 32+00E	DIRT	Niton	XL3t	8/4/2012	60		0		165	9.17	0		0		195	35.79	0	
GFL012 32+25E	DIRT	Niton	XL3t	8/4/2012	60		0		154	8.9	0		0		280	37.15	0	
GFL012 32+50E	DIRT	Niton	XL3t	8/4/2012	60		0		125	7.96	0		0		182	35.77	0	
GFL012 32+75E	DIRT	Niton	XL3t	8/4/2012	60		0		135	8.36	0		0		157	34.92	0	
GFL012 33+00E	DIRT	Niton	XL3t	8/4/2012	60		14.27	8.4	121	8	0		0		0		0	
GFL012 33+25E	DIRT	Niton	XL3t	8/4/2012	60		0		172	9.28	0		0		308	36.49	0	
GFL012 33+50E	DIRT	Niton	XL3t	8/4/2012	60		0		84	6.52	0		0		319	36.26	0	
GFL012 33+75E	DIRT	Niton	XL3t	8/4/2012	60		0		163	9.03	0		0		153	34.4	0	
GFL012 34+00E	DIRT	Niton	XL3t	8/4/2012	60		0		130	8.19	0		0		69	33.56	0	
GFL012 34+25E	DIRT	Niton	XL3t	8/4/2012	60		0		128	8.12	0		0		229	35.86	0	
GFL012 34+50E	DIRT	Niton	XL3t	8/4/2012	60		0		142	8.58	0		0		75	34.02	0	
GFL012 34+75E	DIRT	Niton	XL3t	8/4/2012	60		0		175	9.74	0		0		179	36.62	0	
GFL012 35+00E	DIRT	Niton	XL3t	8/4/2012	60		0		224	10.83	0		0		0		0	
GFL012 35+25E	DIRT	Niton	XL3t	8/4/2012	60		0		68	6.12	0		0		306	36.65	0	
GFL012 35+50E	DIRT	Niton	XL3t	8/4/2012	60	8.6	0		93	7.27	0		0		294	37.97	0	
GFL012 35+75E	DIRT	Niton	XL3t	8/4/2012	60		0		143	8.49	0		0		166	34.79	0	
GFL012 36+00E	DIRT	Niton	XL3t	8/4/2012	60		0		142	8.54	0		0		186	35.14	0	
GFL012 36+25E	DIRT	Niton	XL3t	8/4/2012	60		16.28	8.07	105	7.38	0		0		163	34.64	0	
GFL012 36+50E	DIRT	Niton	XL3t	8/4/2012	60		0		160	9.05	0		0		194	35.4	0	
GFL012 36+75E	DIRT	Niton	XL3t	8/4/2012	60		0		187	9.71	0		0		98	33.57	0	
GFL012 37+00E	DIRT	Niton	XL3t	8/4/2012	60		0		126	8.08	0		0		227	35.51	0	
GFL012 37+25E	DIRT	Niton	XL3t	8/4/2012	60		14.48	7.52	87	6.55	0		0		381	36.73	29.42	12.49
GFL012 37+50E	DIRT	Niton	XL3t	8/4/2012	60		0		203	10.06	0		0		0		0	
GFL012 37+75E	DIRT	Niton	XL3t	8/4/2012	60		0		109	7.34	0		0		180	34.6	0	
GFL012 38+00E	DIRT	Niton	XL3t	8/4/2012	60		11.38	7.52	142	8.45	0		0		273	36.6	0	
GFL012 38+25E	DIRT	Niton	XL3t	8/4/2012	60		0		130	8.02	0		0		157	34.07	0	
GFL012 38+50E	DIRT	Niton	XL3t	8/4/2012	60		0		119	7.66	0		0		196	35.02	0	
GFL012 38+75E	DIRT	Niton	XL3t	8/4/2012	60		0		114	7.52	0		0		204	34.77	0	
GFL012 39+00E	DIRT	Niton	XL3t	8/4/2012	60		0		66	5.89	0		0		155	34.03	0	
GFL012 39+25E	DIRT	Niton	XL3t	8/4/2012	60		0		145	8.6	0		0		0		0	
GFL012 39+50E	DIRT	Niton	XL3t	8/4/2012	60		0		111	7.48	0		0		128	33.79	0	
GFL012 39+75E	DIRT	Niton	XL3t	8/4/2012	60		18.06	8.98	144	8.87	0		0		0		0	
GFL012 40+00E	DIRT	Niton	XL3t	8/4/2012	60		0		74	6.17	0		0		302	35.85	0	
GFL012 40+25E	DIRT	Niton	XL3t	8/4/2012	60		0		211	10.48	0		0		0		0	
GFL012 40+50E	DIRT	Niton	XL3t	8/4/2012	60		0		119	7.69	0		0		208	35.06	0	
GFL012 40+75E	DIRT	Niton	XL3t	8/4/2012	60		0		114	7.51	0		0		278	35.79	0	
GFL012 41+00E	DIRT	Niton	XL3t	8/5/2012	60		0		205	10.11	0		0		121	33.97	0	
GFL012 41+25E	DIRT	Niton	XL3t	8/5/2012	60		0		223	10.93	0		0		0		0	
GFL012 41+50E	DIRT	Niton	XL3t	8/5/2012	60		0		152	8.72	0		0		187	34.83	0	
GFL012 41+75E	DIRT	Niton	XL3t	8/5/2012	60		0		214	10.54	0		0		0		0	
GFL012 42+00E	DIRT	Niton	XL3t	8/5/2012	60		17.29	8.24	171	9.25	0		0		198	34.96	0	

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
GFL012 42+25E	DIRT	Niton	XL3t	8/5/2012	60		0		145	8.59	0		0		169	34.78	0	
GFL012 42+50E	DIRT	Niton	XL3t	8/5/2012	60		0		125	8.09	0		0		257	36.43	0	
GFL012 43+00E	DIRT	Niton	XL3t	8/5/2012	60		0		160	9.01	0		0		225	35.47	0	
GFL012 43+25E	DIRT	Niton	XL3t	8/5/2012	60		0		162	9.01	0		0		123	33.78	0	
GFL012 43+50E	DIRT	Niton	XL3t	8/5/2012	60		0		166	9.12	0		0		166	34.76	0	
GFL012 43+75E	DIRT	Niton	XL3t	8/5/2012	60		0		124	7.89	0		0		152	33.89	0	
GFL012 44+00E	DIRT	Niton	XL3t	8/5/2012	60		13.03	8.03	93	6.93	0		0		365	37.14	0	
GFL012 44+25E	DIRT	Niton	XL3t	8/5/2012	60		0		137	8.37	0		0		256	36.04	0	
GFL012 44+50E	DIRT	Niton	XL3t	8/5/2012	60		0		133	8.88	0		0		0		0	
GFL012 44+75E	DIRT	Niton	XL3t	8/5/2012	60		0		136	8.41	0		0		145	34.66	0	
GFL012 45+00E	DIRT	Niton	XL3t	8/5/2012	60		12.47	7.82	177	9.4	0		0		126	34.39	0	
GFL012 45+25E	DIRT	Niton	XL3t	8/5/2012	60		0		86	6.78	0		0		200	35.48	0	
GFL012 45+50E	DIRT	Niton	XL3t	8/5/2012	60		11.88	7.64	81	6.52	0		0		220	35.42	0	
GFL012 45+75E	DIRT	Niton	XL3t	8/5/2012	60		0		71	6.16	0		17.04	11.16	332	37.31	20.66	12.68
GFL012 46+00E	DIRT	Niton	XL3t	8/5/2012	60		12.39	8.11	104	7.5	0		0		174	35.44	0	
GFL013 00+00	DIRT	Niton	XL3t	8/5/2012	60		11.98	7.63	73	6.2	0		20.3	11.1	441	37.89	24.59	12.62
GFL013 00+25E	DIRT	Niton	XL3t	8/5/2012	60		12.8	7.7	81	6.47	0		0		422	37.79	24.96	12.64
GFL013 00+50E	DIRT	Niton	XL3t	8/5/2012	60		0		132	8.18	0		0		318	36.35	0	
GFL013 00+75E	DIRT	Niton	XL3t	8/5/2012	60		0		116	7.7	0		0		290	36.4	0	
GFL013 01+00E	DIRT	Niton	XL3t	8/5/2012	60		0		136	8.44	0		0		209	35.74	0	
GFL013 01+25E	DIRT	Niton	XL3t	8/5/2012	60		0		110	7.54	0		0		215	35.09	0	
GFL013 01+50E	DIRT	Niton	XL3t	8/5/2012	60		0		134	8.47	0		0		108	34.22	0	
GFL013 01+75E	DIRT	Niton	XL3t	8/5/2012	60		0		229	10.78	0		0		216	35.61	0	
GFL013 02+00E	DIRT	Niton	XL3t	8/5/2012	60		0		196	10.03	0		0		65	33.54	0	
GFL013 02+25E	DIRT	Niton	XL3t	8/5/2012	60		0		172	9.61	0		0		0		0	
GFL013 02+50E	DIRT	Niton	XL3t	8/5/2012	60		14.93	8.77	173	10.07	0		0		166	37.23	0	
GFL013 02+75E	DIRT	Niton	XL3t	8/5/2012	60		12.38	7.85	135	8.32	0		0		60	33.39	0	
GFL013 03+00E	DIRT	Niton	XL3t	8/5/2012	60		0		204	10.82	0		0		0		0	
GFL013 03+25E	DIRT	Niton	XL3t	8/5/2012	60		0		145	9.12	0		0		78	35.86	0	
GFL013 03+50E	DIRT	Niton	XL3t	8/5/2012	60		0		154	8.74	0		0		153	34.33	0	
GFL013 03+75E	DIRT	Niton	XL3t	8/5/2012	60		0		231	11.13	0		0		59	34.53	0	
GFL013 04+00E	DIRT	Niton	XL3t	8/5/2012	60		0		97	7.06	0		0		265	35.97	0	
GFL013 04+50E	DIRT	Niton	XL3t	8/5/2012	60		0		108	7.56	0		0		373	38.42	0	
GFL013 04+75E	DIRT	Niton	XL3t	8/5/2012	60		0		139	8.65	0		0		117	34.51	0	
GFL013 05+00E	DIRT	Niton	XL3t	8/5/2012	60		0		121	7.94	0		0		227	36.33	0	
GFL013 05+25E	DIRT	Niton	XL3t	8/5/2012	60		0		88	6.64	0		0		284	35.88	0	
GFL013 05+50E	DIRT	Niton	XL3t	8/5/2012	60		0		107	7.83	0		0		70	35	0	
GFL013 05+75E	DIRT	Niton	XL3t	8/5/2012	60		0		115	7.54	0		0		66	32.87	0	
GFL013 06+00E	DIRT	Niton	XL3t	8/5/2012	60		16.83	8.56	139	8.68	0		0		256	36.83	0	
GFL013 06+25E	DIRT	Niton	XL3t	8/5/2012	60		13.09	8.02	140	8.49	0		0		145	34.72	0	
GFL013 06+50E	DIRT	Niton	XL3t	8/5/2012	60		0		169	9.15	0		0		202	35.14	0	
GFL013 06+75E	DIRT	Niton	XL3t	8/5/2012	60		0		82	6.55	0		0		185	34.4	0	
GFL013 07+00E	DIRT	Niton	XL3t	8/5/2012	60		0		158	9.03	0		0		0		0	
GFL013 07+25E	DIRT	Niton	XL3t	8/5/2012	60		25.74	9.86	161	9.55	0		0		0		0	
GFL013 07+50E	DIRT	Niton	XL3t	8/5/2012	60		0		113	7.61	0		0		207	35.35	0	

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
GFL013 07+75E	DIRT	Niton	XL3t	8/5/2012	60		11.77	7.5	133	8.12	0		0		324	36.86	0	
GFL013 08+00E	DIRT	Niton	XL3t	8/5/2012	60		14.44	7.97	135	8.19	0		0		291	35.78	0	
GFL013 08+25E	DIRT	Niton	XL3t	8/5/2012	60		13.22	7.35	79	6.27	0		0		300	35.42	0	
GFL013 08+50E	DIRT	Niton	XL3t	8/5/2012	60		0		158	9.11	0		0		94	34.64	0	
GFL013 08+75E	DIRT	Niton	XL3t	8/5/2012	60		20.03	8.97	183	9.81	0		0		114	34.46	0	
GFL013 09+00E	DIRT	Niton	XL3t	8/5/2012	60		15.57	8.28	193	9.96	0		0		0		0	
GFL013 09+25E	DIRT	Niton	XL3t	8/5/2012	60		0		190	9.75	0		0		116	33.92	0	
GFL013 09+50E	DIRT	Niton	XL3t	8/5/2012	60		0		189	9.77	0		0		159	34.67	0	
GFL013 09+75E	DIRT	Niton	XL3t	8/5/2012	60		0		181	9.52	0		0		170	34.64	0	
GFL013 10+00E	DIRT	Niton	XL3t	8/5/2012	60		0		177	9.52	0		0		55	33.67	0	
GFL013 10+25E	DIRT	Niton	XL3t	8/5/2012	60		0		156	8.96	0		0		158	35.03	0	
GFL013 10+50E	DIRT	Niton	XL3t	8/5/2012	60		17.92	8.44	122	7.93	0		0		208	35.73	0	
GFL013 10+75E	DIRT	Niton	XL3t	8/5/2012	60		0		105	7.43	0		0		168	35.5	0	
GFL013 11+00E	DIRT	Niton	XL3t	8/5/2012	60		0		72	6.02	0		25.69	10.99	375	36.67	30.38	12.48
GFL013 11+25E	DIRT	Niton	XL3t	8/5/2012	60		15.57	8.2	142	8.54	0		0		98	34.15	0	
GFL013 11+50E	DIRT	Niton	XL3t	8/5/2012	60		0		142	8.49	0		0		184	35.25	0	
GFL013 11+75E	DIRT	Niton	XL3t	8/5/2012	60		0		120	7.76	0		0		143	33.82	0	
GFL013 12+00E	DIRT	Niton	XL3t	8/5/2012	60		0		186	9.71	0		0		138	34.49	0	
GFL013 12+25E	DIRT	Niton	XL3t	8/5/2012	60		0		170	9.33	0		0		0		0	
GFL013 12+50E	DIRT	Niton	XL3t	8/5/2012	60		14.51	7.99	176	9.45	0		0		151	34.95	0	
GFL013 12+75E	DIRT	Niton	XL3t	8/5/2012	60		20.66	9.09	265	12.12	0		0		0		0	
GFL013 13+00E	DIRT	Niton	XL3t	8/5/2012	60		0		144	8.57	0		0		0		0	
GFL013 13+25E	DIRT	Niton	XL3t	8/5/2012	60		0		153	8.76	0		0		227	35.07	0	
GFL013 13+50E	DIRT	Niton	XL3t	8/5/2012	60		0		201	10.13	0		0		51	33.23	0	
GFL013 13+75E	DIRT	Niton	XL3t	8/5/2012	60		0		222	10.44	0		0		166	34.48	0	
GFL013 14+00E	DIRT	Niton	XL3t	8/5/2012	60		0		181	9.48	0		0		100	33.61	0	
GFL013 14+25E	DIRT	Niton	XL3t	8/5/2012	60		0		143	8.46	0		0		231	35.19	0	
GFL013 14+50E	DIRT	Niton	XL3t	8/5/2012	60		0		192	9.79	0		0		71	33.27	0	
GFL013 14+75E	DIRT	Niton	XL3t	8/5/2012	60		0		165	9.26	0		0		253	36.27	0	
GFL013 15+00E	DIRT	Niton	XL3t	8/5/2012	60		0		156	8.72	0		0		152	34	0	
GFL013 15+25E	DIRT	Niton	XL3t	8/5/2012	60		18.92	8.39	198	9.96	0		0		0		0	
GFL013 15+50E	DIRT	Niton	XL3t	8/5/2012	60		65.53	12.52	189	9.76	0		0		139	34.62	0	
GFL013 15+75E	DIRT	Niton	XL3t	8/5/2012	60		12.85	7.68	210	10.2	0		0		140	34.28	0	
GFL013 16+00E	DIRT	Niton	XL3t	8/5/2012	60		0		168	9.13	0		0		100	33.31	0	
GFL013 16+25E	DIRT	Niton	XL3t	8/5/2012	60		12.28	7.73	169	9.3	0		0		174	34.65	0	
GFL013 16+50E	DIRT	Niton	XL3t	8/5/2012	60		0		146	8.5	0		0		147	33.91	0	
GFL013 16+75E	DIRT	Niton	XL3t	8/5/2012	60		0		154	8.76	0		0		325	36.46	0	
GFL013 17+00E	DIRT	Niton	XL3t	8/5/2012	60		11.68	7.72	128	8.01	0		0		201	35.2	0	
GFL013 17+25E	DIRT	Niton	XL3t	8/5/2012	60		0		192	9.74	0		0		158	33.74	0	
GFL013 17+50E	DIRT	Niton	XL3t	8/5/2012	60		0		168	9.14	0		0		311	36.35	0	
GFL013 17+75E	DIRT	Niton	XL3t	8/5/2012	60		0		181	9.6	0		0		262	35.87	0	
GFL013 18+00E	DIRT	Niton	XL3t	8/5/2012	60		0		94	6.86	0		19.91	11.01	363	36.97	23.93	12.52
GFL013 18+25E	DIRT	Niton	XL3t	8/5/2012	60		0		89	6.65	0		21.78	11	365	36.84	21.21	12.42
GFL013 18+50E	DIRT	Niton	XL3t	8/5/2012	60		0		95	6.9	0		0		322	36.41	27.27	12.5
GFL013 18+75E	DIRT	Niton	XL3t	8/5/2012	60		0		137	8.24	0		0		151	34.87	0	

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
GFL013 19+00E	DIRT	Niton	XL3t	8/5/2012	60		13.2	7.93	118	7.73	0		0		199	34.92	0	
GFL013 19+25E	DIRT	Niton	XL3t	8/5/2012	60		15.81	8.52	176	9.58	0		0		250	36.49	0	
GFL013 19+50E	DIRT	Niton	XL3t	8/5/2012	60		0		73	6.18	0		25.41	11.26	363	37.47	33.53	12.88
GFL013 19+75E	DIRT	Niton	XL3t	8/5/2012	60		0		173	9.76	0		0		116	35.55	0	
GFL013 20+00E	DIRT	Niton	XL3t	8/5/2012	60		0		147	8.72	0		0		239	35.75	0	
GFL013 20+25E	DIRT	Niton	XL3t	8/5/2012	60		15.93	8.62	200	10.18	0		0		229	36.28	0	
GFL013 20+50E	DIRT	Niton	XL3t	8/5/2012	60		16.61	8.7	173	9.55	0		0		154	35.42	0	
GFL013 20+75E	DIRT	Niton	XL3t	8/5/2012	60		0		148	8.73	0		0		214	35.2	0	
GFL013 21+00E	DIRT	Niton	XL3t	8/5/2012	60		0		104	8.12	0		0		159	38.85	0	
GFL013 21+25E	DIRT	Niton	XL3t	8/5/2012	60		16.51	8.49	129	8.2	0		0		155	34.51	0	
GFL013 21+50E	DIRT	Niton	XL3t	8/5/2012	60		0		160	9.05	0		0		280	36.11	0	
GFL013 21+75E	DIRT	Niton	XL3t	8/5/2012	60		12.95	7.96	162	9	0		0		239	35.58	0	
GFL013 22+00E	DIRT	Niton	XL3t	8/5/2012	60		0		205	10.19	0		0		181	34.82	0	
GFL013 22+25E	DIRT	Niton	XL3t	8/5/2012	60		0		81	6.44	0		0		318	36.23	0	
GFL013 22+50E	DIRT	Niton	XL3t	8/5/2012	60		0		126	7.96	0		0		293	36.34	0	
GFL013 22+75E	DIRT	Niton	XL3t	8/5/2012	60		13.31	8.03	106	7.37	0		0		316	36.52	0	
GFL013 23+00E	DIRT	Niton	XL3t	8/5/2012	60		0		105	7.32	0		0		359	37.59	0	
GFL013 23+25E	DIRT	Niton	XL3t	8/5/2012	60		0		171	9.39	0		0		227	35.8	0	
GFL013 23+50E	DIRT	Niton	XL3t	8/5/2012	60		0		200	9.99	0		0		183	34.6	0	
GFL013 23+75E	DIRT	Niton	XL3t	8/5/2012	60		17.61	8.84	178	9.69	0		0		115	34.54	0	
GFL013 24+00E	DIRT	Niton	XL3t	8/5/2012	60		0		138	8.37	0		0		0		0	
GFL013 24+25E	DIRT	Niton	XL3t	8/5/2012	60		16.78	8.35	138	8.45	0		0		0		0	
GFL013 24+50E	DIRT	Niton	XL3t	8/5/2012	60		0		188	9.96	0		0		0		0	
GFL013 24+75E	DIRT	Niton	XL3t	8/5/2012	60		16.59	8.38	186	9.72	0		0		207	35.51	0	
GFL013 25+00E	DIRT	Niton	XL3t	8/5/2012	60		16.41	8.55	162	9.26	0		0		0		0	
GFL013 25+25E	DIRT	Niton	XL3t	8/5/2012	60		13.17	8.28	204	10.31	0		0		133	34.73	0	
GFL013 25+50E	DIRT	Niton	XL3t	8/5/2012	60		12.61	7.88	162	9.12	0		0		0		0	
GFL013 25+75E	DIRT	Niton	XL3t	8/5/2012	60		16.92	8.46	186	9.75	0		0		135	34.28	0	
GFL013 26+00E	DIRT	Niton	XL3t	8/5/2012	60		0		181	9.65	0		0		0		0	
GFL013 26+25E	DIRT	Niton	XL3t	8/5/2012	60		11.86	7.71	189	9.72	0		0		61	33.44	0	
GFL013 26+50E	DIRT	Niton	XL3t	8/5/2012	60		0		147	9.04	0		0		106	35.53	0	
GFL013 26+75E	DIRT	Niton	XL3t	8/5/2012	60		0		127	8.25	0		0		137	34.91	0	
GFL013 27+00E	DIRT	Niton	XL3t	8/5/2012	60	8.64	17.36	8.53	181	9.67	0		0		240	35.87	0	
GFL013 27+25E	DIRT	Niton	XL3t	8/5/2012	60		0		181	9.47	0		0		254	35.97	0	
GFL013 27+50E	DIRT	Niton	XL3t	8/5/2012	60		0		154	8.82	0		0		209	34.82	0	
GFL013 27+75E	DIRT	Niton	XL3t	8/5/2012	60		15.67	8.85	144	8.77	0		0		125	34.8	0	
GFL013 28+00E	DIRT	Niton	XL3t	8/5/2012	60		0		194	9.87	0		0		225	35.41	0	
GFL013 28+25E	DIRT	Niton	XL3t	8/5/2012	60		13.26	8.4	155	9.03	0		0		148	34.57	0	
GFL013 28+50E	DIRT	Niton	XL3t	8/5/2012	60		18.64	9.03	158	9.27	0		0		139	35.38	0	
GFL013 28+75E	DIRT	Niton	XL3t	8/5/2012	60		12.22	7.81	176	9.41	0		0		127	34.46	0	
GFL013 29+00E	DIRT	Niton	XL3t	8/5/2012	60		0		167	9.17	0		0		194	35.61	0	
GFL013 29+25E	DIRT	Niton	XL3t	8/5/2012	60		0		136	8.28	0		0		172	34.7	0	
GFL013 29+50E	DIRT	Niton	XL3t	8/5/2012	60		0		169	9.12	0		0		80	33.45	0	
GFL013 29+75E	DIRT	Niton	XL3t	8/5/2012	60		0		109	7.43	0		0		275	36.28	0	
GFL013 30+00E	DIRT	Niton	XL3t	8/5/2012	60		0		156	8.82	0		0		282	36.46	0	

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
GFL013 30+25E	DIRT	Niton	XL3t	8/5/2012	60		0		134	8.51	0		0		0		0	
GFL013 30+50E	DIRT	Niton	XL3t	8/5/2012	60		0		181	9.7	0		0		170	35.46	0	
GFL013 30+75E	DIRT	Niton	XL3t	8/5/2012	60		0		205	10.43	0		0		0		0	
GFL013 31+00E	DIRT	Niton	XL3t	8/5/2012	60		0		180	9.54	0		0		177	35.03	0	
GFL013 31+25E	DIRT	Niton	XL3t	8/5/2012	60		0		87	6.65	0		0		348	36.89	22.68	12.5
GFL013 31+50E	DIRT	Niton	XL3t	8/5/2012	60		12.06	7.73	108	7.49	0		0		230	35.77	0	
GFL013 31+75E	DIRT	Niton	XL3t	8/5/2012	60		14.89	8.45	175	9.64	0		0		153	35.43	0	
GFL013 32+00E	DIRT	Niton	XL3t	8/5/2012	60		0		113	7.6	0		0		243	36.1	0	
GFL013 32+25E	DIRT	Niton	XL3t	8/6/2012	60	0		24.63	10	0								
GFL013 32+50E	DIRT	Niton	XL3t	8/6/2012	60	0	8.22	0	8	0								
GFL013 32+75E	DIRT	Niton	XL3t	8/6/2012	60	0		19.26	9	0								
GFL013 33+00E	DIRT	Niton	XL3t	8/6/2012	60	0	7.64	0	8	0								
GFL013 33+25E	DIRT	Niton	XL3t	8/6/2012	60	0		0	7	0								
GFL013 33+50E	DIRT	Niton	XL3t	8/6/2012	60	0	8.31	41.67	9	0								
GFL013 33+75E	DIRT	Niton	XL3t	8/6/2012	60	0		0	7	0								
GFL013 34+00E	DIRT	Niton	XL3t	8/6/2012	60	0		0	7	0								
GFL013 34+25E	DIRT	Niton	XL3t	8/6/2012	60	0		13.89	6	0								
GFL013 34+50E	DIRT	Niton	XL3t	8/6/2012	60	0		30.64	7	0								
GFL013 34+75E	DIRT	Niton	XL3t	8/6/2012	60	0		0	7	0								
GFL013 35+00E	DIRT	Niton	XL3t	8/6/2012	60	0		0	6	0								
GFL013 35+25E	DIRT	Niton	XL3t	8/6/2012	60	0		21.85	7	0								
GFL013 35+50E	DIRT	Niton	XL3t	8/6/2012	60	0		21.21	10	0								
GFL013 35+75E	DIRT	Niton	XL3t	8/6/2012	60	0		0	7	0								
GFL013 36+00E	DIRT	Niton	XL3t	8/6/2012	60	0	7.75	16.85	7	0								
GFL013 36+25E	DIRT	Niton	XL3t	8/6/2012	60	0		19.71	8	0								
GFL013 36+50E	DIRT	Niton	XL3t	8/6/2012	60	0		0	8	0								
GFL013 36+75E	DIRT	Niton	XL3t	8/6/2012	60	0		19.48	9	0								
GFL013 37+00E	DIRT	Niton	XL3t	8/6/2012	60	0		17.34	9	0								
GFL013 37+25E	DIRT	Niton	XL3t	8/6/2012	60	0	8.65	18.77	9	0								
GFL013 37+50E	DIRT	Niton	XL3t	8/6/2012	60	0		14.29	7	0								
GFL013 37+75E	DIRT	Niton	XL3t	8/6/2012	60	0		0	6	0								
GFL013 38+00E	DIRT	Niton	XL3t	8/6/2012	60	0		0	7	0								
GFL013 38+25E	DIRT	Niton	XL3t	8/6/2012	60	0		17.86	10	0								
GFL013 38+50E	DIRT	Niton	XL3t	8/6/2012	60	0		16.68	6	0								
GFL013 38+75E	DIRT	Niton	XL3t	8/6/2012	60	0		0	11	0								
GFL013 39+00E	DIRT	Niton	XL3t	8/6/2012	60	0		20.6	10	19.58								
GFL013 39+25E	DIRT	Niton	XL3t	8/6/2012	60	0		29.27	10	0								
GFL013 39+50E	DIRT	Niton	XL3t	8/6/2012	60	0	8.19	39.71	9	0								
GFL013 39+75E	DIRT	Niton	XL3t	8/6/2012	60	0		22.36	9	0								
GFL013 40+00E	DIRT	Niton	XL3t	8/6/2012	60	0		14.32	9	0								
GFL013 40+25E	DIRT	Niton	XL3t	8/6/2012	60	0		0	8	0								
GFL013 40+50E	DIRT	Niton	XL3t	8/6/2012	60	0		0	9	0								
GFL013 40+75E	DIRT	Niton	XL3t	8/6/2012	60	0		22.68	9	0								
GFL013 41+00E	DIRT	Niton	XL3t	8/6/2012	60	0		20.92	8	0								
GFL013 41+25E	DIRT	Niton	XL3t	8/6/2012	60	0		24.63	10	0								

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
GFL013 41+50E	DIRT	Niton	XL3t	8/6/2012	60	0		36.84	9	0								
GFL013 41+75E	DIRT	Niton	XL3t	8/6/2012	60	15.64		14.42	7	0								
GFL013 42+00E	DIRT	Niton	XL3t	8/6/2012	60	0		18.88	8	0								
GFL013 42+25E	DIRT	Niton	XL3t	8/6/2012	60	0		19.15	9	0								
GFL013 42+50E	DIRT	Niton	XL3t	8/6/2012	60	0	7.85	17.25	11	0								
GFL013 42+75E	DIRT	Niton	XL3t	8/6/2012	60	0		16.1	10	0								
GFL013 43+00E	DIRT	Niton	XL3t	8/6/2012	60	0		19.85	11	0								
GFL014 00+00	DIRT	Niton	XL3t	8/13/2012	60		12.07	7.91	168	9.38	0		0		167	35.33	0	
GFL014 00+25E	DIRT	Niton	XL3t	8/13/2012	60		18.24	8.98	144	8.56	0		0		206	35.24	0	
GFL014 00+50E	DIRT	Niton	XL3t	8/13/2012	60		0		137	8.22	0		0		304	36.21	0	
GFL014 00+75E	DIRT	Niton	XL3t	8/13/2012	60		12.69	8.07	120	7.96	0		0		227	35.9	0	
GFL014 01+00E	DIRT	Niton	XL3t	8/13/2012	60		14.9	8.31	146	8.67	0		0		118	34.15	0	
GFL014 01+25E	DIRT	Niton	XL3t	8/13/2012	60		0		127	8.07	0		0		294	36.11	0	
GFL014 01+50E	DIRT	Niton	XL3t	8/13/2012	60		16.07	8.15	134	8.27	0		0		143	34.24	0	
GFL014 01+75E	DIRT	Niton	XL3t	8/13/2012	60		0		168	9.41	0		0		220	35.74	0	
GFL014 02+00E	DIRT	Niton	XL3t	8/13/2012	60		13.41	7.99	150	8.76	0		0		206	35.38	0	
GFL014 02+25E	DIRT	Niton	XL3t	8/13/2012	60		12.38	7.89	185	9.7	0		0		240	35.85	0	
GFL014 02+50E	DIRT	Niton	XL3t	8/13/2012	60		0		180	9.68	0		0		215	35.85	0	
GFL014 02+75E	DIRT	Niton	XL3t	8/13/2012	60		0		190	9.78	0		0		181	34.55	0	
GFL014 03+00E	DIRT	Niton	XL3t	8/13/2012	60		0		165	9.22	0		0		230	35.58	0	
GFL014 03+25E	DIRT	Niton	XL3t	8/13/2012	60		0		104	7.45	0		0		149	34.77	0	
GFL014 03+50E	DIRT	Niton	XL3t	8/13/2012	60		0		167	9.3	0		0		0		0	
GFL014 03+75E	DIRT	Niton	XL3t	8/13/2012	60		0		91	6.88	0		0		104	33.11	0	
GFL014 04+00E	DIRT	Niton	XL3t	8/13/2012	60		12.16	7.75	130	8.15	0		0		0		0	
GFL014 04+25E	DIRT	Niton	XL3t	8/14/2012	60		14.52	8.46	155	9.25	0		0		0		0	
GFL014 04+50E	DIRT	Niton	XL3t	8/14/2012	60		0		139	8.5	0		0		250	35.82	0	
GFL014 04+75E	DIRT	Niton	XL3t	8/14/2012	60		0		123	7.89	0		0		229	34.98	0	
GFL014 05+00E	DIRT	Niton	XL3t	8/14/2012	60		0		191	9.78	0		0		77	33.67	0	
GFL014 05+25E	DIRT	Niton	XL3t	8/14/2012	60		20.06	8.7	149	8.72	0		0		220	35.06	0	
GFL014 05+50E	DIRT	Niton	XL3t	8/14/2012	60		0		146	8.68	0		0		219	35.83	0	
GFL014 05+75E	DIRT	Niton	XL3t	8/14/2012	60		0		180	9.6	0		0		94	33.62	0	
GFL014 06+00E	DIRT	Niton	XL3t	8/14/2012	60		18.7	8.74	200	10.14	0		0		168	35.35	0	
GFL014 06+25E	DIRT	Niton	XL3t	8/14/2012	60		13.46	8.37	158	9.19	0		0		0		0	
GFL014 06+50E	DIRT	Niton	XL3t	8/14/2012	60		0		88	6.7	0		0		163	34.51	0	
GFL014 06+75E	DIRT	Niton	XL3t	8/14/2012	60		0		161	9.17	0		0		57	33.6	0	
GFL014 07+00E	DIRT	Niton	XL3t	8/14/2012	60		12.83	8.05	164	9.28	0		0		0		0	
GFL014 07+25E	DIRT	Niton	XL3t	8/14/2012	60		16.03	8.11	129	8.12	0		0		68	33.28	0	
GFL014 07+50E	DIRT	Niton	XL3t	8/14/2012	60		0		195	10.44	0		0		0		0	
GFL014 07+75E	DIRT	Niton	XL3t	8/14/2012	60		0		149	8.67	0		0		106	34.07	0	
GFL014 08+00E	DIRT	Niton	XL3t	8/14/2012	60		0		96	7	0		0		81	32.95	0	
GFL014 08+25E	DIRT	Niton	XL3t	8/14/2012	60		15.78	8.23	154	8.79	0		0		119	33.59	0	
GFL014 08+50E	DIRT	Niton	XL3t	8/14/2012	60		0		146	8.8	0		0		0		0	
GFL014 08+75E	DIRT	Niton	XL3t	8/14/2012	60		0		165	9.03	0		0		65	32.71	0	
GFL014 09+00E	DIRT	Niton	XL3t	8/14/2012	60		0		116	7.57	0		0		218	34.73	0	
GFL014 09+25E	DIRT	Niton	XL3t	8/14/2012	60		0		115	7.88	0		0		0		0	

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
GFL014 09+50E	DIRT	Niton	XL3t	8/14/2012	60	7.8	13.5	7.85	147	8.61	0		0		74	32.88	0	
GFL014 09+75E	DIRT	Niton	XL3t	8/14/2012	60		12.49	7.97	101	7.3	0		0		110	33.52	0	
GFL014 10+00E	DIRT	Niton	XL3t	8/14/2012	60		18.69	8.58	126	8.01	0		0		196	34.86	0	
GFL014 10+25E	DIRT	Niton	XL3t	8/14/2012	60		0		125	8.1	0		0		139	34.4	0	
GFL014 10+50E	DIRT	Niton	XL3t	8/14/2012	60		0		57	5.51	0		18.54	10.84	322	36.07	37.27	12.55
GFL014 10+75E	DIRT	Niton	XL3t	8/14/2012	60		0		131	8.13	0		0		239	35.56	0	
GFL014 11+00E	DIRT	Niton	XL3t	8/14/2012	60		0		122	8.11	0		0		145	34.89	0	
GFL014 11+25E	DIRT	Niton	XL3t	8/14/2012	60		0		134	8.12	0		0		90	33.34	0	
GFL014 11+50E	DIRT	Niton	XL3t	8/14/2012	60		0		113	7.56	0		0		72	33.5	0	
GFL014 11+75E	DIRT	Niton	XL3t	8/14/2012	60		13.26	7.8	86	6.62	0		0		0		0	
GFL014 12+00E	DIRT	Niton	XL3t	8/14/2012	60		0		137	8.32	0		0		66	33.13	0	
GFL014 12+25E	DIRT	Niton	XL3t	8/14/2012	60		0		168	9.12	0		0		50	33.14	0	
GFL014 12+50E	DIRT	Niton	XL3t	8/14/2012	60		0		185	9.6	0		0		89	33.66	0	
GFL014 12+75E	DIRT	Niton	XL3t	8/14/2012	60		26.11	9.26	127	8.04	0		0		0		0	
GFL014 13+00E	DIRT	Niton	XL3t	8/14/2012	60		0		141	8.44	0		0		0		0	
GFL014 13+25E	DIRT	Niton	XL3t	8/14/2012	60		0		179	9.55	0		0		104	33.6	0	
GFL014 13+50E	DIRT	Niton	XL3t	8/14/2012	60		0		177	9.55	0		0		108	34.15	0	
GFL014 13+75E	DIRT	Niton	XL3t	8/14/2012	60		0		166	9.21	0		0		56	33.38	0	
GFL014 14+00E	DIRT	Niton	XL3t	8/14/2012	60		0		124	8.03	0		0		0		0	
GFL014 14+25E	DIRT	Niton	XL3t	8/14/2012	60		0		161	9.17	0		0		0		0	
GFL014 14+50E	DIRT	Niton	XL3t	8/14/2012	60		0		118	7.75	0		0		161	34.27	0	
GFL014 14+75E	DIRT	Niton	XL3t	8/14/2012	60		0		174	9.74	0		0		0		0	
GFL014 15+00E	DIRT	Niton	XL3t	8/14/2012	60		0		172	9.44	0		0		77	33.45	0	
GFL014 15+25E	DIRT	Niton	XL3t	8/14/2012	60		0		185	9.74	0		0		0		0	
GFL014 15+50E	DIRT	Niton	XL3t	8/14/2012	60		0		172	9.8	0		0		0		0	
GFL014 15+75E	DIRT	Niton	XL3t	8/14/2012	60		16.47	8.23	110	7.64	0		0		182	35.05	0	
GFL014 16+00E	DIRT	Niton	XL3t	8/14/2012	60		0		96	7.05	0		0		119	33.95	0	
GFL014 16+25E	DIRT	Niton	XL3t	8/14/2012	60		0		175	10.19	0		0		0		0	
GFL014 16+50E	DIRT	Niton	XL3t	8/14/2012	60		0		222	11.25	0		0		0		0	
GFL014 16+75E	DIRT	Niton	XL3t	8/14/2012	60		12.2	7.91	151	8.77	0		0		127	34.09	0	
GFL014 17+00E	DIRT	Niton	XL3t	8/14/2012	60		0		127	8.36	0		0		0		0	
GFL014 17+25E	DIRT	Niton	XL3t	8/14/2012	60		0		226	11.1	0		0		0		0	
GFL014 17+50E	DIRT	Niton	XL3t	8/14/2012	60		17.48	8.31	214	10.46	0		0		0		0	
GFL014 17+75E	DIRT	Niton	XL3t	8/14/2012	60		13.7	7.95	171	9.35	0		0		0		0	
GFL014 18+00E	DIRT	Niton	XL3t	8/14/2012	60		12.5	8.14	111	7.82	0		0		0		0	
GFL014 18+25E	DIRT	Niton	XL3t	8/14/2012	60		0		197	10.43	0		0		0		0	
GFL014 18+50E	DIRT	Niton	XL3t	8/14/2012	60		0		235	11.7	0		0		0		0	
GFL014 18+75E	DIRT	Niton	XL3t	8/14/2012	60		0		191	10.04	0		0		0		0	
GFL014 19+00E	DIRT	Niton	XL3t	8/14/2012	60		0		193	10.28	0		0		0		0	
GFL014 19+25E	DIRT	Niton	XL3t	8/14/2012	60		0		209	10.23	0		0		0		0	
GFL014 19+50E	DIRT	Niton	XL3t	8/14/2012	60		0		198	10.27	0		0		0		0	
GFL014 19+75E	DIRT	Niton	XL3t	8/14/2012	60		0		189	10.1	0		0		0		0	
GFL014 20+00E	DIRT	Niton	XL3t	8/15/2012	60		12.67	8.42	225	11.01	0		0		0		0	
GFL014 20+25E	DIRT	Niton	XL3t	8/15/2012	60		0		110	8.14	0		0		205	38	0	
GFL014 20+50E	DIRT	Niton	XL3t	8/15/2012	60		0		194	9.94	0		0		65	33.55	0	

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
GFL014 20+75E	DIRT	Niton	XL3t	8/15/2012	60		0		166	9.62	0		0		136	36.06	0	
GFL014 21+00E	DIRT	Niton	XL3t	8/15/2012	60		14.28	8.53	152	9.09	0		0		84	34.55	0	
GFL014 21+25E	DIRT	Niton	XL3t	8/15/2012	60		24.57	9.29	122	8.03	0		0		0		0	
GFL014 21+50E	DIRT	Niton	XL3t	8/15/2012	60		14.19	8.61	129	8.52	0		0		0		0	
GFL014 21+75E	DIRT	Niton	XL3t	8/15/2012	60		0		221	10.84	0		0		0		0	
GFL014 22+00E	DIRT	Niton	XL3t	8/15/2012	60		0		199	10.39	0		0		0		0	
GFL014 22+25E	DIRT	Niton	XL3t	8/15/2012	60		0		203	10.4	0		0		96	34.79	0	
GFL014 22+50E	DIRT	Niton	XL3t	8/15/2012	60		0		180	9.78	0		0		0		0	
GFL014 22+75E	DIRT	Niton	XL3t	8/15/2012	60		14.25	8.25	133	8.45	0		0		224	36.36	0	
GFL014 23+00E	DIRT	Niton	XL3t	8/15/2012	60		0		113	7.84	0		0		136	34.97	0	
GFL014 23+25E	DIRT	Niton	XL3t	8/15/2012	60		0		109	7.61	0		0		79	33.45	0	
GFL014 23+50E	DIRT	Niton	XL3t	8/15/2012	60		17.67	8.71	124	8.2	0		0		100	34.52	0	
GFL014 23+75E	DIRT	Niton	XL3t	8/15/2012	60		0		136	8.59	0		0		0		0	
GFL014 24+00E	DIRT	Niton	XL3t	8/15/2012	60		0		120	7.96	0		0		105	34.47	0	
GFL014 24+25E	DIRT	Niton	XL3t	8/15/2012	60		0		172	9.6	0		0		0		0	
GFL014 24+50E	DIRT	Niton	XL3t	8/15/2012	60		0		191	11.76	0		0		0		0	
GFL014 24+75E	DIRT	Niton	XL3t	8/15/2012	60		19.35	9.03	192	10.27	0		0		0		0	
GFL014 25+00E	DIRT	Niton	XL3t	8/15/2012	60		0		191	10.53	0		0		0		0	
GFL014 25+25E	DIRT	Niton	XL3t	8/15/2012	60		0		178	9.57	0		0		80	34.25	0	
GFL014 25+50E	DIRT	Niton	XL3t	8/15/2012	60		0		213	11.24	0		0		0		0	
GFL014 25+75E	DIRT	Niton	XL3t	8/15/2012	60		0		155	9.02	0		0		0		0	
GFL014 26+00E	DIRT	Niton	XL3t	8/15/2012	60		24.5	15.18	219	17.11	0		0		0		0	
GFL014 26+25E	DIRT	Niton	XL3t	8/15/2012	60		0		141	10.33	0		0		0		0	
GFL014 26+50E	DIRT	Niton	XL3t	8/15/2012	60		0		137	14.28	0		0		0		0	
GFL014 26+75E	DIRT	Niton	XL3t	8/15/2012	60		0		184	11.38	0		0		0		0	
GFL014 27+00E	DIRT	Niton	XL3t	8/15/2012	60		0		125	8.23	0		0		0		0	
GFL014 27+25E	DIRT	Niton	XL3t	8/15/2012	60		0		182	10.25	0		0		0		0	
GFL014 27+50E	DIRT	Niton	XL3t	8/15/2012	60		0		183	9.88	0		0		0		0	
GFL014 27+75E	DIRT	Niton	XL3t	8/15/2012	60		0		157	8.96	0		0		106	33.98	0	
GFL014 28+00E	DIRT	Niton	XL3t	8/15/2012	60		0		133	8.45	0		0		113	35.34	0	
GFL014 28+25E	DIRT	Niton	XL3t	8/15/2012	60		0		146	8.71	0		0		66	34.08	0	
GFL014 28+50E	DIRT	Niton	XL3t	8/15/2012	60		0		99	7.23	0		0		184	35.02	0	
GFL014 28+75E	DIRT	Niton	XL3t	8/15/2012	60		0		175	9.69	0		0		0		0	
GFL014 29+00E	DIRT	Niton	XL3t	8/15/2012	60		14.08	8.17	170	9.44	0		0		0		0	
GFL014 29+25E	DIRT	Niton	XL3t	8/15/2012	60		0		125	8	0		0		0		0	
GFL014 29+50E	DIRT	Niton	XL3t	8/15/2012	60	8.11	0		147	8.84	0		0		0		0	
GFL014 29+75E	DIRT	Niton	XL3t	8/15/2012	60		0		166	9.53	0		0		95	35.15	0	
GFL014 30+00E	DIRT	Niton	XL3t	8/15/2012	60		0		132	8.29	0		0		229	35.41	0	
GFL014 30+25E	DIRT	Niton	XL3t	8/15/2012	60		0		195	18	0		0		0		0	
GFL014 30+50E	DIRT	Niton	XL3t	8/15/2012	60		16.17	8.68	159	9.15	0		0		245	36.13	0	
GFL014 30+75E	DIRT	Niton	XL3t	8/15/2012	60		0		112	7.65	0		0		352	36.9	0	
GFL014 31+00E	DIRT	Niton	XL3t	8/15/2012	60		19.37	8.47	173	9.3	0		0		0		0	
GFL014 31+25E	DIRT	Niton	XL3t	8/15/2012	60		13.51	7.84	98	7.02	0		0		0		0	
GFL014 31+50E	DIRT	Niton	XL3t	8/15/2012	60		0		95	7.19	0		0		0		0	
GFL014 31+75E	DIRT	Niton	XL3t	8/15/2012	60		0		118	12.47	0		0		0		0	

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
GFL014 32+00E	DIRT	Niton	XL3t	8/15/2012	60		0		77	6.53	0		0		0		0	
GFL014 32+25E	DIRT	Niton	XL3t	8/15/2012	60		0		220	12.13	0		0		0		0	
GFL014 32+50E	DIRT	Niton	XL3t	8/15/2012	60		0		105	7.87	0		0		0		0	
GFL014 32+75E	DIRT	Niton	XL3t	8/15/2012	60		0		108	7.19	0		0		0		0	
GFL014 33+00E	DIRT	Niton	XL3t	8/16/2012	60		0		157	8.9	0		0		0		0	
GFL014 33+25E	DIRT	Niton	XL3t	8/16/2012	60		0		138	8.41	0		0		113	33.87	0	
GFL014 33+50E	DIRT	Niton	XL3t	8/16/2012	60		0		109	7.52	0		0		71	34.31	0	
GFL014 33+75E	DIRT	Niton	XL3t	8/16/2012	60		16.25	8.39	116	7.82	0		0		107	33.98	0	
GFL014 34+00E	DIRT	Niton	XL3t	8/16/2012	60		0		143	8.39	0		0		72	32.63	0	
GFL014 34+25E	DIRT	Niton	XL3t	8/16/2012	60		0		100	7.11	0		0		0		0	
GFL014 34+50E	DIRT	Niton	XL3t	8/16/2012	60		0		150	8.48	0		0		0		0	
GFL014 34+75E	DIRT	Niton	XL3t	8/16/2012	60	8.82	12.42	7.86	130	8.33	0		0		0		0	
GFL014 35+00E	DIRT	Niton	XL3t	8/16/2012	60		13.28	7.8	163	9.09	0		0		147	34.15	0	
GFL014 35+25E	DIRT	Niton	XL3t	8/16/2012	60		0		64	5.96	0		0		317	36.54	0	
GFL014 35+50E	DIRT	Niton	XL3t	8/16/2012	60		15.31	8.14	151	8.79	0		0		120	34.16	0	
GFL014 35+75E	DIRT	Niton	XL3t	8/16/2012	60		0		188	9.72	0		0		0		0	
GFL014 36+00E	DIRT	Niton	XL3t	8/16/2012	60		12.43	7.96	187	9.86	0		0		0		0	
GFL014 36+25E	DIRT	Niton	XL3t	8/16/2012	60		0		133	8.26	0		0		155	34.33	0	
GFL014 36+50E	DIRT	Niton	XL3t	8/16/2012	60		11.87	7.57	67	5.94	0		0		276	36.39	0	
GFL014 36+75E	DIRT	Niton	XL3t	8/16/2012	60	7.08	0		127	7.98	0		0		202	34.97	0	
GFL014 37+00E	DIRT	Niton	XL3t	8/16/2012	60		0		138	8.41	0		0		96	33.29	0	
GFL014 37+25E	DIRT	Niton	XL3t	8/16/2012	60		0		154	8.89	0		0		110	34.27	0	
GFL014 37+50E	DIRT	Niton	XL3t	8/16/2012	60		0		182	9.61	0		0		126	33.96	0	
GFL014 37+75E	DIRT	Niton	XL3t	8/16/2012	60		0		148	8.6	0		0		239	35.14	0	
GFL014 38+00E	DIRT	Niton	XL3t	8/17/2012	60		0		218	11.2	0		0		0		0	
GFL014 38+00E	DIRT	Niton	XL3t	8/16/2012	60		0		107	7.4	0		0		332	36.81	20.7	12.48
GFL014 38+25E	DIRT	Niton	XL3t	8/17/2012	60		0		243	11.64	0		0		0		0	
GFL014 38+50E	DIRT	Niton	XL3t	8/17/2012	60		15.29	8.48	153	9.14	0		0		0		0	
GFL014 38+75E	DIRT	Niton	XL3t	8/17/2012	60		13.66	7.7	117	7.64	0		0		75	33.06	0	
GFL014 39+00E	DIRT	Niton	XL3t	8/17/2012	60		0		132	8.4	0		0		0		0	
GFL014 39+25E	DIRT	Niton	XL3t	8/17/2012	60		0		128	9.12	0		0		0		0	
GFL014 39+50E	DIRT	Niton	XL3t	8/17/2012	60		14.21	8.35	129	8.3	0		0		0		0	
GFL014 39+75E	DIRT	Niton	XL3t	8/17/2012	60	11.25	0		136	9.89	0		0		0		0	
GFL014 40+00E	DIRT	Niton	XL3t	8/17/2012	60		0		135	8.44	0		0		0		0	
GFL014 40+25E	DIRT	Niton	XL3t	8/17/2012	60		0		93	7.29	0		0		0		0	
GFL014 40+50E	DIRT	Niton	XL3t	8/17/2012	60		0		117	7.93	0		0		0		0	
GFL014 40+75E	DIRT	Niton	XL3t	8/17/2012	60		0		146	10.08	0		0		0		0	
GFL014 41+00E	DIRT	Niton	XL3t	8/17/2012	60		0		62	5.69	0		0		0		0	
GFL014 41+25E	DIRT	Niton	XL3t	8/17/2012	60		0		130	8.34	0		0		0		0	
GFL014 41+50E	DIRT	Niton	XL3t	8/17/2012	60		0		145	8.95	0		0		0		0	
GFL014 41+75E	DIRT	Niton	XL3t	8/17/2012	60		12.28	7.82	186	9.88	0		0		0		0	
GFL014 42+00E	DIRT	Niton	XL3t	8/17/2012	60		14.79	8.75	175	10.21	0		0		0		0	
GFL014 42+25E	DIRT	Niton	XL3t	8/17/2012	60		14.63	9.11	139	9.41	0		0		0		0	
GFL014 42+50E	DIRT	Niton	XL3t	8/17/2012	60		0		193	10.18	0		0		0		0	
GFL014 42+75E	DIRT	Niton	XL3t	8/17/2012	60		0		195	9.98	0		0		56	32.9	0	

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
GFL014 43+00E	DIRT	Niton	XL3t	8/17/2012	60		0		174	9.56	0		0		0		0	
GFL015 00+00	DIRT	Niton	XL3t	8/16/2012	60		0		177	9.38	0		0		165	34.76	0	
GFL015 00+25E	DIRT	Niton	XL3t	8/16/2012	60		13.16	7.88	139	8.39	0		0		230	35	0	
GFL015 00+50E	DIRT	Niton	XL3t	8/16/2012	60		0		179	9.42	0		0		164	34.8	0	
GFL015 00+75E	DIRT	Niton	XL3t	8/16/2012	60		0		148	8.69	0		0		280	36.08	0	
GFL015 01+00E	DIRT	Niton	XL3t	8/16/2012	60		12.56	7.88	214	10.35	0		0		148	34.37	0	
GFL015 01+25E	DIRT	Niton	XL3t	8/16/2012	60		0		138	8.42	0		0		365	37.24	0	
GFL015 01+50E	DIRT	Niton	XL3t	8/16/2012	60		0		215	10.34	0		0		228	35.12	0	
GFL015 01+75E	DIRT	Niton	XL3t	8/16/2012	60		0		191	9.83	0		0		193	35.28	0	
GFL015 02+00E	DIRT	Niton	XL3t	8/16/2012	60		0		188	9.71	0		0		177	34.6	0	
GFL015 02+25E	DIRT	Niton	XL3t	8/16/2012	60		13.4	8.17	130	8.36	0		0		187	35.8	0	
GFL015 02+50E	DIRT	Niton	XL3t	8/16/2012	60		12.51	7.93	202	10.15	0		0		97	33.52	0	
GFL015 02+75E	DIRT	Niton	XL3t	8/16/2012	60		0		175	9.58	0		0		199	35.38	0	
GFL015 03+00E	DIRT	Niton	XL3t	8/16/2012	60		0		179	9.62	0		0		58	33.47	0	
GFL015 03+25E	DIRT	Niton	XL3t	8/16/2012	60		0		193	9.99	0		0		65	33.74	0	
GFL015 03+50E	DIRT	Niton	XL3t	8/16/2012	60		0		195	10.12	0		0		72	34.14	0	
GFL015 03+75E	DIRT	Niton	XL3t	8/16/2012	60		0		160	9.11	0		0		158	34.75	0	
GFL015 04+00E	DIRT	Niton	XL3t	8/16/2012	60		0		124	8	0		0		196	34.93	0	
GFL015 04+25E	DIRT	Niton	XL3t	8/16/2012	60		0		159	10.35	0		0		0		0	
GFL015 04+50E	DIRT	Niton	XL3t	8/16/2012	60		0		146	8.69	0		0		77	33.54	0	
GFL015 04+75E	DIRT	Niton	XL3t	8/16/2012	60		0		159	8.93	0		0		149	34.21	0	
GFL015 05+00E	DIRT	Niton	XL3t	8/16/2012	60		0		190	9.99	0		0		175	35.53	0	
GFL015 05+25E	DIRT	Niton	XL3t	8/16/2012	60		0		226	11.35	0		0		64	35.6	0	
GFL015 05+50E	DIRT	Niton	XL3t	8/16/2012	60		0		169	9.2	0		0		177	34.99	0	
GFL015 05+75E	DIRT	Niton	XL3t	8/16/2012	60		12.53	7.88	106	7.43	0		0		183	35.09	0	
GFL015 06+00E	DIRT	Niton	XL3t	8/16/2012	60		0		157	9.37	0		0		254	37.56	0	
GFL015 06+25E	DIRT	Niton	XL3t	8/16/2012	60		0		167	9.27	0		0		100	34.2	0	
GFL015 06+50E	DIRT	Niton	XL3t	8/16/2012	60		0		166	9.32	0		0		216	35.75	0	
GFL015 06+75E	DIRT	Niton	XL3t	8/16/2012	60		12.59	8	196	10.05	0		0		185	35.57	0	
GFL015 07+00E	DIRT	Niton	XL3t	8/16/2012	60		14.66	8.42	166	9.44	0		0		212	35.99	0	
GFL015 07+25E	DIRT	Niton	XL3t	8/16/2012	60		0		142	8.5	0		0		176	35.13	0	
GFL015 07+50E	DIRT	Niton	XL3t	8/16/2012	60		12.63	8.13	175	9.63	0		0		74	33.74	0	
GFL015 07+75E	DIRT	Niton	XL3t	8/16/2012	60		0		234	12.13	0		0		0		0	
GFL015 08+00E	DIRT	Niton	XL3t	8/16/2012	60		0		185	10.13	0		0		73	34.17	0	
GFL015 08+25E	DIRT	Niton	XL3t	8/17/2012	60		0		153	9.16	0		0		182	35.18	0	
GFL015 08+50E	DIRT	Niton	XL3t	8/17/2012	60		14.9	8.24	181	9.63	0		0		129	34.7	0	
GFL015 08+75E	DIRT	Niton	XL3t	8/17/2012	60		0		206	10.76	0		0		167	36.24	0	
GFL015 09+00E	DIRT	Niton	XL3t	8/17/2012	60	9.11	15.58	8.42	187	10.05	0		0		54	33.95	0	
GFL015 09+25E	DIRT	Niton	XL3t	8/17/2012	60		0		75	6.37	0		0		302	36.11	0	
GFL015 09+50E	DIRT	Niton	XL3t	8/17/2012	60		14.07	8.75	159	9.46	0		0		130	36.27	0	
GFL015 09+75E	DIRT	Niton	XL3t	8/17/2012	60		0		91	7	0		0		371	37.64	21.12	12.66
GFL015 10+00E	DIRT	Niton	XL3t	8/17/2012	60		0		126	7.93	0		0		243	34.83	0	
GFL015 10+25E	DIRT	Niton	XL3t	8/17/2012	60		13.83	8.57	153	9.08	0		0		164	35.48	0	
GFL015 10+50E	DIRT	Niton	XL3t	8/17/2012	60		0		154	8.9	0		0		95	33.67	0	
GFL015 10+75E	DIRT	Niton	XL3t	8/17/2012	60		16.35	8.46	196	10.03	0		0		179	35.16	0	

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
GFL015 11+00E	DIRT	Niton	XL3t	8/17/2012	60		14.09	8.24	154	8.96	0		0		179	35.08	0	
GFL015 11+25E	DIRT	Niton	XL3t	8/17/2012	60		0		155	8.83	0		0		269	36.2	0	
GFL015 11+50E	DIRT	Niton	XL3t	8/17/2012	60		15.18	8.91	189	10.16	0		0		225	36.49	0	
GFL015 11+75E	DIRT	Niton	XL3t	8/17/2012	60		13.18	8.22	180	9.7	0		0		196	35.09	0	
GFL015 12+00E	DIRT	Niton	XL3t	8/17/2012	60		0		218	10.53	0		0		102	33.88	0	
GFL015 12+25E	DIRT	Niton	XL3t	8/17/2012	60		17.27	8.31	178	9.54	0		0		271	35.99	0	
GFL015 12+50E	DIRT	Niton	XL3t	8/17/2012	60		13.3	7.81	140	8.36	0		0		294	35.6	0	
GFL015 12+75E	DIRT	Niton	XL3t	8/17/2012	52		15.43	8.29	205	10.2	0		0		301	45.11	0	
GFL015 13+00E	DIRT	Niton	XL3t	8/17/2012	60		0		137	8.35	0		0		309	36.03	0	
GFL015 13+25E	DIRT	Niton	XL3t	8/17/2012	60		0		143	8.53	0		0		263	36.12	0	
GFL015 13+50E	DIRT	Niton	XL3t	8/17/2012	60		0		108	7.46	0		0		279	36.13	0	
GFL015 13+75E	DIRT	Niton	XL3t	8/17/2012	60		0		108	7.57	0		0		343	37.02	0	
GFL015 14+00E	DIRT	Niton	XL3t	8/17/2012	60		15.64	8.3	145	8.66	0		0		187	34.89	0	
GFL015 14+25E	DIRT	Niton	XL3t	8/17/2012	60		0		114	7.72	0		0		184	34.73	0	
GFL015 14+50E	DIRT	Niton	XL3t	8/17/2012	60		0		145	8.69	0		0		271	36.23	0	
GFL015 14+75E	DIRT	Niton	XL3t	8/17/2012	60		16.7	7.96	113	7.58	0		0		208	35.21	0	
GFL015 15+00E	DIRT	Niton	XL3t	8/17/2012	60		0		211	10.19	0		0		214	35.44	0	
GFL015 15+25E	DIRT	Niton	XL3t	8/17/2012	60		0		177	9.5	0		0		239	35.81	0	
GFL015 15+50E	DIRT	Niton	XL3t	8/17/2012	60		13.79	7.75	91	6.84	0		0		244	35.72	0	
GFL015 15+75E	DIRT	Niton	XL3t	8/17/2012	60		0		77	6.08	0		0		235	34.14	0	
GFL015 16+00E	DIRT	Niton	XL3t	8/17/2012	60		13.98	8.27	130	8.23	0		0		339	36.92	0	
GFL015 16+25E	DIRT	Niton	XL3t	8/17/2012	60		0		80	6.58	0		0		307	36.22	0	
GFL015 16+50E	DIRT	Niton	XL3t	8/17/2012	60		0		180	9.52	0		0		165	34.08	0	
GFL015 16+75E	DIRT	Niton	XL3t	8/17/2012	60		0		170	9.4	0		0		196	34.88	0	
GFL015 17+00E	DIRT	Niton	XL3t	8/17/2012	60		0		203	10.08	0		0		190	34.8	0	
GFL015 17+25E	DIRT	Niton	XL3t	8/17/2012	60		0		90	6.83	0		0		344	36.67	0	
GFL015 17+50E	DIRT	Niton	XL3t	8/17/2012	60		0		145	8.58	0		0		262	36.16	0	
GFL015 17+75E	DIRT	Niton	XL3t	8/17/2012	60		0		196	10.03	0		0		184	34.99	0	
GFL015 18+00E	DIRT	Niton	XL3t	8/17/2012	60		0		177	9.51	0		0		228	35.68	0	
GFL015 18+25E	DIRT	Niton	XL3t	8/17/2012	60		0		167	9.29	0		0		185	34.86	0	
GFL015 18+50E	DIRT	Niton	XL3t	8/17/2012	60		0		196	10.08	0		0		170	34.4	0	
GFL015 18+75E	DIRT	Niton	XL3t	8/17/2012	60		0		103	7.38	0		0		326	36.84	0	
GFL015 19+00E	DIRT	Niton	XL3t	8/17/2012	60		13.98	8.09	134	8.27	0		0		271	35.52	0	
GFL015 19+25E	DIRT	Niton	XL3t	8/17/2012	60		12.43	7.92	139	8.36	0		0		314	36.45	0	
GFL015 19+50E	DIRT	Niton	XL3t	8/17/2012	60		0		142	8.78	0		0		174	35.27	0	
GFL015 19+75E	DIRT	Niton	XL3t	8/17/2012	60		0		118	7.99	0		0		289	37.11	0	
GFL015 20+00E	DIRT	Niton	XL3t	8/17/2012	60		0		149	8.75	0		0		360	37.94	0	
GFL015 20+25E	DIRT	Niton	XL3t	8/17/2012	60		0		136	8.39	0		0		200	35.64	0	
GFL015 20+50E	DIRT	Niton	XL3t	8/17/2012	60		0		183	10.18	0		0		0		0	
GFL015 20+75E	DIRT	Niton	XL3t	8/17/2012	60		13.87	8.3	175	9.55	0		0		153	34.75	0	
GFL015 21+00E	DIRT	Niton	XL3t	8/17/2012	60		13.44	8.42	173	9.7	0		0		0		0	
GFL015 21+25E	DIRT	Niton	XL3t	8/17/2012	60		0		163	9.21	0		0		85	34.04	0	
GFL015 21+50E	DIRT	Niton	XL3t	8/17/2012	60		0		165	9.16	0		0		0		0	
GFL015 21+75E	DIRT	Niton	XL3t	8/17/2012	60		0		193	9.93	0		0		83	33.33	0	
GFL015 22+00E	DIRT	Niton	XL3t	8/17/2012	60		0		146	8.9	0		0		52	33.85	0	

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
GFL015 22+25E	DIRT	Niton	XL3t	8/17/2012	60		12.58	8.01	170	9.41	0		0		82	33.39	0	
GFL015 22+50E	DIRT	Niton	XL3t	8/17/2012	60		16.35	8.62	194	10.13	0		0		72	33.67	0	
GFL015 22+75E	DIRT	Niton	XL3t	8/17/2012	60		0		145	8.71	0		0		105	34.01	0	
GFL015 23+00E	DIRT	Niton	XL3t	8/17/2012	60		0		93	7.06	0		0		263	36.51	0	
GFL015 23+25E	DIRT	Niton	XL3t	8/17/2012	60		0		201	10.39	0		0		0		0	
GFL015 23+50E	DIRT	Niton	XL3t	8/17/2012	60		16.04	8.33	118	7.86	0		0		225	35.69	0	
GFL015 23+75E	DIRT	Niton	XL3t	8/17/2012	60		17.22	8.93	150	9.02	0		0		0		0	
GFL015 24+00E	DIRT	Niton	XL3t	8/17/2012	60		0		175	9.46	0		0		197	35.34	0	
GFL015 24+25E	DIRT	Niton	XL3t	8/17/2012	60		0		138	8.79	0		0		271	37.76	0	
GFL015 24+50E	DIRT	Niton	XL3t	8/17/2012	60		0		163	9.29	0		0		146	34.4	0	
GFL015 24+75E	DIRT	Niton	XL3t	8/17/2012	60		15.23	9.26	157	9.59	0		0		0		0	
GFL015 25+00E	DIRT	Niton	XL3t	8/17/2012	60		0		137	8.41	0		0		113	33.49	0	
GFL015 25+25E	DIRT	Niton	XL3t	8/17/2012	60		0		184	9.68	0		0		152	34.63	0	
GFL015 25+50E	DIRT	Niton	XL3t	8/17/2012	60		0		140	8.48	0		0		224	35.27	0	
GFL015 25+75E	DIRT	Niton	XL3t	8/17/2012	60		14.05	7.88	76	6.33	0		0		266	35.91	0	
GFL015 26+00E	DIRT	Niton	XL3t	8/17/2012	60		0		162	9.14	0		0		118	34.12	0	
GFL015 26+25E	DIRT	Niton	XL3t	8/17/2012	60		0		154	9.19	0		0		0		0	
GFL015 26+50E	DIRT	Niton	XL3t	8/17/2012	60		0		159	9.18	0		0		53	33.3	0	
GFL015 26+75E	DIRT	Niton	XL3t	8/17/2012	60		0		149	8.83	0		0		59	33.3	0	
GFL015 27+00E	DIRT	Niton	XL3t	8/17/2012	60		0		144	8.96	0		0		0		0	
GFL015 27+25E	DIRT	Niton	XL3t	8/17/2012	60		0		189	9.88	0		0		0		0	
GFL015 27+50E	DIRT	Niton	XL3t	8/17/2012	60		14.55	7.85	137	8.25	0		0		56	32.77	0	
GFL015 27+75E	DIRT	Niton	XL3t	8/17/2012	60		0		205	10.26	0		0		0		0	
GFL015 28+00E	DIRT	Niton	XL3t	8/17/2012	60		18.76	8.51	122	7.95	0		0		71	33.52	0	
GFL015 28+25E	DIRT	Niton	XL3t	8/17/2012	60		0		144	8.75	0		0		158	34.99	0	
GFL015 28+50E	DIRT	Niton	XL3t	8/17/2012	60		13.05	8.25	142	8.63	0		0		0		0	
GFL015 28+75E	DIRT	Niton	XL3t	8/17/2012	60		0		115	7.76	0		0		0		0	
GFL015 29+00E	DIRT	Niton	XL3t	8/17/2012	60	9.4	0		112	8.56	0		0		0		0	
GFL015 29+25E	DIRT	Niton	XL3t	8/17/2012	60		0		90	6.86	0		0		200	34.94	0	
GFL015 29+50E	DIRT	Niton	XL3t	8/17/2012	60		14.39	7.86	142	8.36	0		0		126	33.71	0	
GFL015 29+75E	DIRT	Niton	XL3t	8/16/2012	60		0		77	6.4	0		0		263	36.09	0	
GFL015 30+00E	DIRT	Niton	XL3t	8/16/2012	60		0		116	7.76	0		0		121	33.97	0	
GFL015 30+25E	DIRT	Niton	XL3t	8/16/2012	60		0		63	5.79	0		0		302	36.46	0	
GFL015 30+50E	DIRT	Niton	XL3t	8/16/2012	60		0		55	5.54	0		0		309	36.66	0	
GFL015 30+75E	DIRT	Niton	XL3t	8/16/2012	60		0		61	5.78	0		0		254	35.96	0	
GFL015 31+00E	DIRT	Niton	XL3t	8/16/2012	60		0		82	6.59	0		0		231	35.13	0	
GFL015 31+25E	DIRT	Niton	XL3t	8/16/2012	60		0		148	8.67	0		0		59	33.05	0	
GFL015 31+50E	DIRT	Niton	XL3t	8/16/2012	60		0		116	7.78	0		0		329	37.15	0	
GFL015 31+75E	DIRT	Niton	XL3t	8/16/2012	60		16.93	8.25	110	7.53	0		0		222	35.61	0	
GFL015 32+00E	DIRT	Niton	XL3t	8/16/2012	60		12.47	8.11	128	8.19	0		0		350	37.12	0	
GFL015 32+25E	DIRT	Niton	XL3t	8/16/2012	60		0		135	8.26	0		0		224	35.05	0	
GFL015 32+50E	DIRT	Niton	XL3t	8/16/2012	60		18.24	8.28	83	6.58	0		0		276	35.92	0	
GFL015 32+75E	DIRT	Niton	XL3t	8/16/2012	60		0		115	7.8	0		0		265	36.24	0	
GFL015 33+00E	DIRT	Niton	XL3t	8/16/2012	60		13.89	8.29	146	8.77	0		0		67	33.49	0	
GFL015 33+25E	DIRT	Niton	XL3t	8/16/2012	60		0		136	8.26	0		0		118	33.46	0	

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
GFL015 33+50E	DIRT	Niton	XL3t	8/16/2012	60		14.69	7.96	108	7.44	0		0		242	35.27	0	
GFL015 33+75E	DIRT	Niton	XL3t	8/16/2012	60		12.27	7.84	180	9.56	0		0		121	33.91	0	
GFL015 34+00E	DIRT	Niton	XL3t	8/17/2012	60	7.42	0		157	8.96	0		0		0		0	
GFL015 34+25E	DIRT	Niton	XL3t	8/17/2012	60		14.09	7.9	91	6.9	0		0		169	34.21	0	
GFL015 34+50E	DIRT	Niton	XL3t	8/17/2012	60		17.89	8.26	138	8.32	0		0		0		0	
GFL015 34+75E	DIRT	Niton	XL3t	8/17/2012	60		0		150	8.76	0		0		161	34.24	0	
GFL015 35+00E	DIRT	Niton	XL3t	8/17/2012	60		0		192	9.88	0		0		0		0	
GFL015 35+25E	DIRT	Niton	XL3t	8/17/2012	60	7.6	16.73	8.4	135	8.37	0		0		60	33.21	0	
GFL015 35+50E	DIRT	Niton	XL3t	8/17/2012	60	8.23	0		170	9.33	0		0		54	33.29	0	
GFL015 35+75E	DIRT	Niton	XL3t	8/17/2012	60		0		122	7.94	0		0		165	34.39	0	
GFL015 36+00E	DIRT	Niton	XL3t	8/17/2012	60		0		162	9.19	0		0		0		0	
GFL015 36+25E	DIRT	Niton	XL3t	8/17/2012	60		0		93	7	0		0		200	34.98	0	
GFL015 36+50E	DIRT	Niton	XL3t	8/17/2012	60		12.22	7.97	219	10.62	0		0		58	33.22	0	
GFL015 36+75E	DIRT	Niton	XL3t	8/17/2012	60		0		172	9.4	0		0		195	35.14	0	
GFL015 37+00E	DIRT	Niton	XL3t	8/17/2012	60		12.97	7.95	172	9.33	0		0		181	34.38	0	
GFL015 37+25E	DIRT	Niton	XL3t	8/17/2012	60		0		166	9.18	0		0		212	34.99	0	
GFL015 37+50E	DIRT	Niton	XL3t	8/17/2012	60		0		159	9.07	0		0		77	33.21	0	
GFL015 37+75E	DIRT	Niton	XL3t	8/17/2012	60		14.4	8.39	131	8.29	0		0		204	35.41	0	
GFL015 38+00E	DIRT	Niton	XL3t	8/17/2012	60		13.49	8.45	148	8.99	0		0		112	34.48	0	
GFL015 38+25E	DIRT	Niton	XL3t	8/17/2012	60		0		115	7.74	0		0		90	33.7	0	
GFL015 38+50E	DIRT	Niton	XL3t	8/17/2012	60		0		184	9.85	0		0		0		0	
GFL015 38+75E	DIRT	Niton	XL3t	8/17/2012	60		0		107	7.45	0		0		0		0	
GFL015 39+00E	DIRT	Niton	XL3t	8/17/2012	60	7.68	0		144	8.6	0		0		160	35.02	0	
GFL015 39+25E	DIRT	Niton	XL3t	8/17/2012	60		0		104	7.72	0		0		0		0	
GFL015 39+50E	DIRT	Niton	XL3t	8/17/2012	60		20.48	9.2	130	8.61	0		0		0		0	
GFL015 39+75E	DIRT	Niton	XL3t	8/17/2012	60		21.82	9.49	81	6.99	0		0		0		0	
GFL015 40+00E	DIRT	Niton	XL3t	8/17/2012	60		0		99	7.49	0		0		0		0	
GFL015 40+25E	DIRT	Niton	XL3t	8/17/2012	60		0		158	9.73	0		0		0		0	
GFL015 40+50E	DIRT	Niton	XL3t	8/17/2012	60		0		115	7.82	0		0		0		0	
GFL015 40+75E	DIRT	Niton	XL3t	8/17/2012	60		0		111	7.92	0		0		0		0	
GFL015 41+00E	DIRT	Niton	XL3t	8/17/2012	60		0		130	8.38	0		0		0		0	
GFL015 41+25E	DIRT	Niton	XL3t	8/17/2012	60		0		119	7.79	0		0		0		0	
GFL015 41+50E	DIRT	Niton	XL3t	8/17/2012	60		0		108	7.82	0		0		0		0	
GFL015 41+75E	DIRT	Niton	XL3t	8/17/2012	60		0		160	9	0		0		121	33.69	0	
GFL015 42+00E	DIRT	Niton	XL3t	8/17/2012	60		0		184	9.92	0		0		0		0	
GFL016 00+00	DIRT	Niton	XL3t	8/17/2012	60		0		141	8.56	0		0		0		0	
GFL016 00+25E	DIRT	Niton	XL3t	8/17/2012	60		13.11	7.75	90	6.85	0		0		211	35.34	0	
GFL016 00+50E	DIRT	Niton	XL3t	8/17/2012	60		0		131	8.09	0		0		191	34.75	0	
GFL016 00+75E	DIRT	Niton	XL3t	8/17/2012	60		0		115	7.52	0		0		52	32.45	0	
GFL016 01+00E	DIRT	Niton	XL3t	8/17/2012	60		11.68	7.76	176	9.38	0		0		0		0	
GFL016 01+25E	DIRT	Niton	XL3t	8/17/2012	60		0		99	6.99	0		0		239	35.03	0	
GFL016 01+50E	DIRT	Niton	XL3t	8/17/2012	60		14.59	7.93	141	8.43	0		0		140	34.24	0	
GFL016 01+75E	DIRT	Niton	XL3t	8/17/2012	60		0		210	10.59	0		0		0		0	
GFL016 02+00E	DIRT	Niton	XL3t	8/17/2012	60		0		175	9.35	0		0		116	34.24	0	
GFL016 02+25E	DIRT	Niton	XL3t	8/17/2012	60		0		104	7.45	0		0		60	34	0	

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
GFL016 02+50E	DIRT	Niton	XL3t	8/17/2012	60		0		203	9.99	0		0		114	33.64	0	
GFL016 02+75E	DIRT	Niton	XL3t	8/17/2012	60		12.56	7.62	150	8.61	0		0		148	33.48	0	
GFL016 03+00E	DIRT	Niton	XL3t	8/17/2012	60		0		125	7.87	0		0		304	35.97	0	
GFL016 03+25E	DIRT	Niton	XL3t	8/17/2012	60		0		152	8.86	0		0		0		0	
GFL016 03+50E	DIRT	Niton	XL3t	8/17/2012	60		12.18	7.75	155	8.8	0		0		63	32.81	0	
GFL016 03+75E	DIRT	Niton	XL3t	8/17/2012	60		0		118	8.02	0		0		0		0	
GFL016 04+00E	DIRT	Niton	XL3t	8/17/2012	60		0		100	7.05	0		0		95	33.42	0	
GFL016 04+25E	DIRT	Niton	XL3t	8/17/2012	60		0		144	8.37	0		0		116	33.76	0	
GFL016 04+50E	DIRT	Niton	XL3t	8/17/2012	60		0		142	8.37	0		0		111	33.13	0	
GFL016 04+75E	DIRT	Niton	XL3t	8/17/2012	60		16.49	8.55	230	11.12	0		0		0		0	
GFL016 05+00E	DIRT	Niton	XL3t	8/17/2012	60		0		164	9.22	0		0		0		0	
GFL016 05+25E	DIRT	Niton	XL3t	8/17/2012	60		16.2	8.37	177	9.52	0		0		0		0	
GFL016 05+50E	DIRT	Niton	XL3t	8/17/2012	60		15.06	8.09	147	8.57	0		0		89	33.04	0	
GFL016 05+75E	DIRT	Niton	XL3t	8/17/2012	60		15.2	8.28	149	8.79	0		0		0		0	
GFL016 06+00E	DIRT	Niton	XL3t	8/17/2012	60		16.55	8.23	158	8.92	0		0		148	34.08	0	
GFL016 06+25E	DIRT	Niton	XL3t	8/17/2012	60		11.73	7.76	185	9.74	0		0		97	33.45	0	
GFL016 06+50E	DIRT	Niton	XL3t	8/18/2012	60		0		196	9.9	0		0		175	34.48	0	
GFL016 06+75E	DIRT	Niton	XL3t	8/18/2012	60		13.96	7.89	171	9.19	0		0		0		0	
GFL016 07+00E	DIRT	Niton	XL3t	8/18/2012	60		13.69	8.1	167	9.28	0		0		266	36.18	0	
GFL016 07+25E	DIRT	Niton	XL3t	8/18/2012	60		13.2	8.08	233	10.84	0		0		141	34.45	0	
GFL016 07+50E	DIRT	Niton	XL3t	8/18/2012	60		0		172	9.7	0		0		0		0	
GFL016 07+75E	DIRT	Niton	XL3t	8/18/2012	60		17.48	9.24	170	10.11	0		0		0		0	
GFL016 08+00E	DIRT	Niton	XL3t	8/18/2012	60		0		153	8.94	0		0		127	34.5	0	
GFL016 08+25E	DIRT	Niton	XL3t	8/18/2012	60		0		217	10.75	0		0		53	34.51	0	
GFL016 08+50E	DIRT	Niton	XL3t	8/18/2012	60		12.37	8.2	183	9.91	0		0		0		0	
GFL016 08+75E	DIRT	Niton	XL3t	8/18/2012	60		0		187	10.55	0		0		82	36.58	0	
GFL016 09+00E	DIRT	Niton	XL3t	8/18/2012	60		0		242	11.52	0		0		0		0	
GFL016 09+25E	DIRT	Niton	XL3t	8/18/2012	60		0		187	10.18	0		0		0		0	
GFL016 09+50E	DIRT	Niton	XL3t	8/18/2012	60		0		170	9.53	0		0		0		0	
GFL016 09+75E	DIRT	Niton	XL3t	8/18/2012	60		0		156	9.24	0		0		0		0	
GFL016 10+00E	DIRT	Niton	XL3t	8/18/2012	60		0		187	9.93	0		0		0		0	
GFL016 10+25E	DIRT	Niton	XL3t	8/18/2012	60		0		94	7.18	0		0		248	35.99	0	
GFL016 10+50E	DIRT	Niton	XL3t	8/18/2012	60		19	9.15	178	10.01	0		0		0		0	
GFL016 10+75E	DIRT	Niton	XL3t	8/18/2012	60		0		139	8.92	0		0		129	35.92	0	
GFL016 11+00E	DIRT	Niton	XL3t	8/18/2012	60		0		175	10.27	0		0		146	37.4	0	
GFL016 11+25E	DIRT	Niton	XL3t	8/18/2012	60		13.82	8.67	163	9.7	0		0		0		0	
GFL016 11+50E	DIRT	Niton	XL3t	8/18/2012	60		0		162	9.17	0		0		209	35.25	0	
GFL016 11+75E	DIRT	Niton	XL3t	8/18/2012	60		16.74	8.69	188	10.04	0		0		73	34.29	0	
GFL016 12+00E	DIRT	Niton	XL3t	8/18/2012	60		0		168	9.67	0		0		181	36.1	0	
GFL016 12+25E	DIRT	Niton	XL3t	8/18/2012	60		0		201	10.58	0		0		71	34.98	0	
GFL016 12+50E	DIRT	Niton	XL3t	8/18/2012	60		0		168	9.51	0		0		69	34.56	0	
GFL016 12+75E	DIRT	Niton	XL3t	8/18/2012	60		0		111	7.82	0		0		264	36.6	0	
GFL016 13+00E	DIRT	Niton	XL3t	8/18/2012	60	10.16	14.96	9.31	168	9.91	0		0		0		0	
GFL016 13+25E	DIRT	Niton	XL3t	8/18/2012	60		0		202	10.24	0		0		0		0	
GFL016 13+50E	DIRT	Niton	XL3t	8/18/2012	60		0		154	9.25	0		0		111	35.8	0	

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
GFL016 13+75E	DIRT	Niton	XL3t	8/18/2012	60		0		85	6.7	0		0		177	35.06	0	
GFL016 14+00E	DIRT	Niton	XL3t	8/18/2012	60		0		137	8.48	0		0		106	33.93	0	
GFL016 14+25E	DIRT	Niton	XL3t	8/18/2012	60		14.25	8.53	105	7.94	0		0		0		0	
GFL016 14+50E	DIRT	Niton	XL3t	8/18/2012	60		0		154	9.35	0		0		57	35.33	0	
GFL016 14+75E	DIRT	Niton	XL3t	8/18/2012	60		0		119	7.99	0		0		76	34.3	0	
GFL016 15+00E	DIRT	Niton	XL3t	8/18/2012	60		0		141	8.63	0		0		136	34.93	0	
GFL016 15+25E	DIRT	Niton	XL3t	8/18/2012	60	8.86	0		139	8.51	0		0		115	34.18	0	
GFL016 15+50E	DIRT	Niton	XL3t	8/18/2012	60		0		129	8.71	0		0		107	35.85	0	
GFL016 15+75E	DIRT	Niton	XL3t	8/18/2012	60		0		77	6.44	0		20.87	11.11	265	36.33	20.55	12.52
GFL016 16+00E	DIRT	Niton	XL3t	8/18/2012	60		0		134	8.37	0		0		262	36.27	0	
GFL016 16+25E	DIRT	Niton	XL3t	8/18/2012	60		0		144	8.65	0		0		124	34.16	0	
GFL016 16+50E	DIRT	Niton	XL3t	8/18/2012	60		0		89	6.85	0		0		261	35.71	0	
GFL016 16+75E	DIRT	Niton	XL3t	8/18/2012	60	7.75	0		122	7.99	0		0		273	36.55	0	
GFL016 17+00E	DIRT	Niton	XL3t	8/18/2012	60		0		88	6.83	0		0		331	37.12	20.61	12.58
GFL016 17+25E	DIRT	Niton	XL3t	8/22/2012	60		0		99	7.19	0		0		347	37.89	0	
GFL016 17+50E	DIRT	Niton	XL3t	8/22/2012	60		0		111	7.64	0		0		124	34.12	0	
GFL016 17+75E	DIRT	Niton	XL3t	8/22/2012	60		0		203	10.41	0		0		0		0	
GFL016 18+00E	DIRT	Niton	XL3t	8/22/2012	60		0		134	8.47	0		0		0		0	
GFL016 18+25E	DIRT	Niton	XL3t	8/22/2012	60		0		134	8.31	0		0		87	33.46	0	
GFL016 18+50E	DIRT	Niton	XL3t	8/22/2012	60		14.24	8.41	163	9.31	0		0		0		0	
GFL016 18+75E	DIRT	Niton	XL3t	8/22/2012	60		12.39	7.79	132	8.28	0		0		86	34.2	0	
GFL016 19+00E	DIRT	Niton	XL3t	8/22/2012	60		0		83	6.64	0		0		151	34.58	0	
GFL016 19+25E	DIRT	Niton	XL3t	8/22/2012	60		15.57	8.87	147	9.04	0		0		0		0	
GFL016 19+50E	DIRT	Niton	XL3t	8/22/2012	60		0		121	7.99	0		0		0		0	
GFL016 19+75E	DIRT	Niton	XL3t	8/22/2012	60		16.44	8.65	127	8.3	0		0		0		0	
GFL016 20+00E	DIRT	Niton	XL3t	8/22/2012	60	9.69	15.44	8.88	142	8.94	0		0		0		0	
GFL016 20+25E	DIRT	Niton	XL3t	8/22/2012	60		14.84	8.35	108	7.67	0		0		0		0	
GFL016 20+50E	DIRT	Niton	XL3t	8/22/2012	60		13.15	8.12	182	9.8	0		0		0		0	
GFL016 20+75E	DIRT	Niton	XL3t	8/22/2012	60		0		162	9.23	0		0		66	33.67	0	
GFL016 21+00E	DIRT	Niton	XL3t	8/22/2012	60	9.58	21.76	9.61	134	8.67	0		0		0		0	
GFL016 21+25E	DIRT	Niton	XL3t	8/22/2012	60		0		114	7.73	0		0		158	34.92	0	
GFL016 21+50E	DIRT	Niton	XL3t	8/22/2012	60		0		152	9.16	0		0		103	34.73	0	
GFL016 21+75E	DIRT	Niton	XL3t	8/22/2012	60		0		166	9.29	0		0		160	35.32	0	
GFL016 22+00E	DIRT	Niton	XL3t	8/22/2012	60		0		200	10.09	0		0		0		0	
GFL016 22+25E	DIRT	Niton	XL3t	8/22/2012	60		0		185	9.84	0		0		0		0	
GFL016 22+50E	DIRT	Niton	XL3t	8/22/2012	60		12.83	7.99	183	9.86	0		0		0		0	
GFL016 22+75E	DIRT	Niton	XL3t	8/22/2012	60		0		176	9.57	0		0		128	35.13	0	
GFL016 23+00E	DIRT	Niton	XL3t	8/22/2012	60		0		62	5.73	0		18.76	10.93	284	36.04	18.56	12.34
GFL016 23+25E	DIRT	Niton	XL3t	8/22/2012	60		14.8	8.46	125	8.23	0		0		131	34.77	0	
GFL016 23+50E	DIRT	Niton	XL3t	8/22/2012	60		13.4	7.78	79	6.52	0		0		229	36.57	0	
GFL016 23+75E	DIRT	Niton	XL3t	8/22/2012	60		15.74	8.38	129	8.3	0		0		71	34.26	0	
GFL016 24+00E	DIRT	Niton	XL3t	8/22/2012	60		15	8.47	144	8.94	0		0		0		0	
GFL016 24+25E	DIRT	Niton	XL3t	8/22/2012	60		0		105	7.67	0		0		0		0	
GFL016 24+50E	DIRT	Niton	XL3t	8/22/2012	60		0		191	10.28	0		0		0		0	
GFL016 24+75E	DIRT	Niton	XL3t	8/22/2012	60		0		157	9.42	0		0		72	34.53	0	

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
GFL016 25+00E	DIRT	Niton	XL3t	8/22/2012	60		12.47	7.97	200	10.28	0		0		0		0	
GFL016 25+25E	DIRT	Niton	XL3t	8/22/2012	60		0		99	7.25	0		0		131	34.23	0	
GFL016 25+50E	DIRT	Niton	XL3t	8/22/2012	60		0		182	9.63	0		0		0		0	
GFL016 25+75E	DIRT	Niton	XL3t	8/22/2012	60		0		159	9.13	0		0		0		0	
GFL016 26+00E	DIRT	Niton	XL3t	8/22/2012	60		0		174	9.51	0		0		0		0	
GFL016 26+25E	DIRT	Niton	XL3t	8/22/2012	60		0		121	7.75	0		0		0		0	
GFL016 26+50E	DIRT	Niton	XL3t	8/22/2012	60		21.8	8.93	134	8.33	0		0		0		0	
GFL016 26+75E	DIRT	Niton	XL3t	8/22/2012	60		0		146	8.67	0		0		122	34.46	0	
GFL016 27+00E	DIRT	Niton	XL3t	8/22/2012	60		0		98	6.94	0		0		0		0	
GFL016 27+25E	DIRT	Niton	XL3t	8/22/2012	60		0		87	6.83	0		0		289	36.15	0	
GFL016 27+50E	DIRT	Niton	XL3t	8/22/2012	60		17.98	8.66	103	7.41	0		0		111	34.36	0	
GFL016 27+75E	DIRT	Niton	XL3t	8/22/2012	60		0		91	6.84	0		0		246	35.6	0	
GFL016 28+00E	DIRT	Niton	XL3t	8/22/2012	60		15.41	8.45	145	8.72	0		0		0		0	
GFL016 28+25E	DIRT	Niton	XL3t	8/22/2012	60		0		166	9.37	0		0		79	34.09	0	
GFL016 28+50E	DIRT	Niton	XL3t	8/22/2012	60		13.44	8.27	122	7.98	0		0		0		0	
GFL016 28+75E	DIRT	Niton	XL3t	8/22/2012	60	8.07	0		157	8.98	0		0		146	34.12	0	
GFL016 29+00E	DIRT	Niton	XL3t	8/22/2012	60		13.28	7.95	139	8.45	0		0		0		0	
GFL016 29+25E	DIRT	Niton	XL3t	8/22/2012	60		0		125	8.02	0		0		196	35.21	0	
GFL016 29+50E	DIRT	Niton	XL3t	8/22/2012	60		0		124	8.14	0		0		160	35.06	0	
GFL016 29+75E	DIRT	Niton	XL3t	8/22/2012	60		0		62	5.76	0		0		298	36.04	22.37	12.34
GFL016 30+00E	DIRT	Niton	XL3t	8/22/2012	60	9.09	18.89	8.87	146	8.82	0		0		133	35.06	0	
GFL016 30+25E	DIRT	Niton	XL3t	8/22/2012	60		0		59	5.71	0		0		169	34.79	0	
GFL016 30+50E	DIRT	Niton	XL3t	8/22/2012	60		15.87	8.46	146	8.64	0		0		147	34.04	0	
GFL016 30+75E	DIRT	Niton	XL3t	8/22/2012	60		0		60	5.76	0		0		347	36.87	0	
GFL016 31+00E	DIRT	Niton	XL3t	8/22/2012	60		13.67	8.02	213	10.46	0		0		0		0	
GFL016 31+25E	DIRT	Niton	XL3t	8/22/2012	60		13.69	8.16	123	8.02	0		0		196	35.56	0	
GFL016 31+50E	DIRT	Niton	XL3t	8/22/2012	60	8.12	0		41	5.17	0		0		441	39.42	0	
GFL016 31+75E	DIRT	Niton	XL3t	8/22/2012	60		0		70	6	0		0		128	33.31	0	
GFL016 32+00E	DIRT	Niton	XL3t	8/22/2012	60		0		192	9.86	0		0		97	33.99	0	
GFL016 32+25E	DIRT	Niton	XL3t	8/22/2012	60		0		200	10.32	0		0		0		0	
GFL016 32+50E	DIRT	Niton	XL3t	8/22/2012	60		16.96	8.65	213	10.65	0		0		0		0	
GFL016 32+75E	DIRT	Niton	XL3t	8/22/2012	60		0		167	9.42	0		0		0		0	
GFL016 33+00E	DIRT	Niton	XL3t	8/22/2012	60		0		178	9.85	0		0		0		0	
GFL016 33+25E	DIRT	Niton	XL3t	8/22/2012	60	10.04	0		161	9.39	0		0		114	35.23	0	
GFL016 33+50E	DIRT	Niton	XL3t	8/22/2012	60		0		189	10.35	0		0		0		0	
GFL016 33+75E	DIRT	Niton	XL3t	8/22/2012	60	9.07	0		124	8.28	0		0		0		0	
GFL016 34+00E	DIRT	Niton	XL3t	8/22/2012	60	9.4	0		148	8.94	0		0		288	37.79	0	
GFL016 34+25E	DIRT	Niton	XL3t	9/21/2012	60	7.05	9.44	5.55	140	5.94								
GFL016 34+50E	DIRT	Niton	XL3t	9/21/2012	60	7.44	13.45	5.89	143	5.9								
GFL016 34+75E	DIRT	Niton	XL3t	9/21/2012	60	7.83	19.57	6.38	142	5.89								
GFL016 35+00E	DIRT	Niton	XL3t	9/21/2012	60	5.09	10.98	5.32	63	4.07								
GFL016 35+25E	DIRT	Niton	XL3t	9/21/2012	60	6.03	16.99	5.8	109	5.15								
GFL016 35+50E	DIRT	Niton	XL3t	9/21/2012	60		0		113	5.2								
GFL016 35+75E	DIRT	Niton	XL3t	9/21/2012	60	5.6	9.54	5.12	149	5.91								
GFL016 36+00E	DIRT	Niton	XL3t	9/21/2012	60		14.09	5.42	147	5.87								

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
GFL016 36+25E	DIRT	Niton	XL3t	9/21/2012	60		14	5.49	107	5.05								
GFL016 36+50E	DIRT	Niton	XL3t	9/21/2012	60		13	5.52	150	6.02								
GFL016 36+75E	DIRT	Niton	XL3t	9/21/2012	60		15.07	5.56	124	5.43								
GFL016 37+00E	DIRT	Niton	XL3t	9/21/2012	60		10.1	5.2	179	6.49								
GFL016 37+25E	DIRT	Niton	XL3t	9/21/2012	60	5.44	12.67	5.44	152	6.12								
GFL016 37+50E	DIRT	Niton	XL3t	9/21/2012	60		13.51	5.42	162	6.22								
GFL016 37+75E	DIRT	Niton	XL3t	9/21/2012	60		10.31	5.17	170	6.3								
GFL016 38+00E	DIRT	Niton	XL3t	9/21/2012	60		13.36	5.39	140	5.73								
GFL017 00+00	DIRT	Niton	XL3t	8/18/2012	60		0		133	8.25	0		0		128	33.83	0	
GFL017 00+25E	DIRT	Niton	XL3t	8/18/2012	60		0		158	9.31	0		0		0		0	
GFL017 00+50E	DIRT	Niton	XL3t	8/18/2012	60		0		65	6.34	0		0		0		0	
GFL017 00+75E	DIRT	Niton	XL3t	8/18/2012	60		0		56	5.53	0		0		0		0	
GFL017 01+00E	DIRT	Niton	XL3t	8/18/2012	60		0		62	5.84	0		0		83	33.46	0	
GFL017 01+25E	DIRT	Niton	XL3t	8/18/2012	60		22.78	9.84	120	8.53	0		0		0		0	
GFL017 01+50E	DIRT	Niton	XL3t	8/18/2012	60		17.75	8.28	86	6.71	0		0		75	33.51	0	
GFL017 01+75E	DIRT	Niton	XL3t	8/18/2012	60		13.82	7.86	112	7.56	0		0		205	34.76	0	
GFL017 02+00E	DIRT	Niton	XL3t	8/18/2012	60		0		138	8.32	0		0		272	35.62	0	
GFL017 02+25E	DIRT	Niton	XL3t	8/18/2012	60		0		93	6.97	0		0		160	34.48	0	
GFL017 02+50E	DIRT	Niton	XL3t	8/18/2012	60		0		108	7.43	0		0		185	34.63	0	
GFL017 02+75E	DIRT	Niton	XL3t	8/18/2012	60		12.88	7.84	128	8.02	0		0		238	35.44	0	
GFL017 03+00E	DIRT	Niton	XL3t	8/18/2012	60		19.62	8.94	153	8.98	0		0		166	34.99	0	
GFL017 03+25E	DIRT	Niton	XL3t	8/18/2012	60		17.63	8.83	142	8.73	0		0		94	33.85	0	
GFL017 03+50E	DIRT	Niton	XL3t	8/18/2012	60		0		150	9.11	0		0		0		0	
GFL017 03+75E	DIRT	Niton	XL3t	8/18/2012	60		13.85	7.97	190	9.77	0		0		99	33.43	0	
GFL017 04+00E	DIRT	Niton	XL3t	8/18/2012	60		12.52	8.03	131	8.33	0		0		195	36.1	0	
GFL017 04+25E	DIRT	Niton	XL3t	8/18/2012	60		0		72	6.07	0		0		203	34.48	0	
GFL017 04+50E	DIRT	Niton	XL3t	8/18/2012	60		14.89	8.02	153	8.9	0		0		195	35.79	0	
GFL017 04+75E	DIRT	Niton	XL3t	8/18/2012	60		0		157	9.01	0		0		75	34.07	0	
GFL017 05+00E	DIRT	Niton	XL3t	8/18/2012	60		14.88	8.15	185	9.65	0		0		84	33.23	0	
GFL017 05+25E	DIRT	Niton	XL3t	8/18/2012	60		0		177	9.43	0		0		53	33.06	0	
GFL017 05+50E	DIRT	Niton	XL3t	8/18/2012	60		13.88	8.09	192	10.06	0		0		0		0	
GFL017 05+75E	DIRT	Niton	XL3t	8/18/2012	60		0		77	6.34	0		0		173	34.73	0	
GFL017 06+00E	DIRT	Niton	XL3t	8/18/2012	60	7.9	12.87	7.83	183	9.6	0		0		192	35.01	0	
GFL017 06+25E	DIRT	Niton	XL3t	8/18/2012	60		12.6	7.74	185	9.65	0		0		0		0	
GFL017 06+50E	DIRT	Niton	XL3t	8/18/2012	60		0		184	9.7	0		0		91	34.1	0	
GFL017 06+75E	DIRT	Niton	XL3t	8/18/2012	60		22.46	9.42	138	8.71	0		0		227	36.51	0	
GFL017 07+00E	DIRT	Niton	XL3t	8/18/2012	60		18.62	9.1	162	9.44	0		0		142	35.76	0	
GFL017 07+25E	DIRT	Niton	XL3t	8/18/2012	60		0		199	10.16	0		0		130	34.6	0	
GFL017 07+50E	DIRT	Niton	XL3t	8/18/2012	60		15.67	8.98	180	10.08	0		0		0		0	
GFL017 07+75E	DIRT	Niton	XL3t	8/18/2012	60		0		176	9.53	0		0		0		0	
GFL017 08+00E	DIRT	Niton	XL3t	8/18/2012	60		16.79	8.62	151	8.92	0		0		149	35.12	0	
GFL017 08+25E	DIRT	Niton	XL3t	8/18/2012	60		0		204	10.12	0		0		104	33.94	0	
GFL017 08+50E	DIRT	Niton	XL3t	8/18/2012	60		0		130	8.15	0		0		236	35.81	0	
GFL017 08+75E	DIRT	Niton	XL3t	8/18/2012	60		0		169	9.19	0		0		228	35.23	0	
GFL017 09+00E	DIRT	Niton	XL3t	8/18/2012	60		0		223	10.68	0		0		66	33.48	0	

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
GFL017 09+25E	DIRT	Niton	XL3t	8/20/2012	60		15.58	8.15	219	10.52	0		0		157	34.31	0	
GFL017 09+75E	DIRT	Niton	XL3t	8/20/2012	60		14.25	8.16	193	9.95	0		0		88	33.56	0	
GFL017 10+00E	DIRT	Niton	XL3t	8/20/2012	60		0		199	10.11	0		0		145	34.26	0	
GFL017 10+25E	DIRT	Niton	XL3t	8/20/2012	60		0		122	7.83	0		0		165	34.18	0	
GFL017 10+50E	DIRT	Niton	XL3t	8/20/2012	60		0		197	10.01	0		0		55	33.23	0	
GFL017 10+75E	DIRT	Niton	XL3t	8/20/2012	60		0		158	8.99	0		0		133	34.42	0	
GFL017 11+00E	DIRT	Niton	XL3t	8/20/2012	60		13.55	8.05	130	8.18	0		0		89	33.1	0	
GFL017 11+25E	DIRT	Niton	XL3t	8/20/2012	60		19.26	8.54	139	8.47	0		0		0		0	
GFL017 11+50E	DIRT	Niton	XL3t	8/20/2012	60		17.17	8.82	166	9.46	0		0		0		0	
GFL017 11+75E	DIRT	Niton	XL3t	8/20/2012	60		0		192	10.18	0		0		56	33.83	0	
GFL017 12+00E	DIRT	Niton	XL3t	8/20/2012	60		13.96	8.49	174	9.61	0		0		92	33.94	0	
GFL017 12+25E	DIRT	Niton	XL3t	8/20/2012	60		14.76	8.47	147	8.87	0		0		231	36.01	0	
GFL017 12+50E	DIRT	Niton	XL3t	8/20/2012	60		0		137	8.5	0		0		185	35.23	0	
GFL017 12+75E	DIRT	Niton	XL3t	8/20/2012	60		0		143	8.67	0		0		205	35.49	0	
GFL017 13+00E	DIRT	Niton	XL3t	8/20/2012	60		16.49	8.54	105	7.48	0		0		322	37.09	0	
GFL017 13+25E	DIRT	Niton	XL3t	8/20/2012	60		21.68	9.13	136	8.44	0		0		155	34.52	0	
GFL017 13+50E	DIRT	Niton	XL3t	8/20/2012	60		12.61	8.1	182	9.67	0		0		99	33.65	0	
GFL017 13+75E	DIRT	Niton	XL3t	8/20/2012	60		0		165	9.29	0		0		139	34.45	0	
GFL017 14+00E	DIRT	Niton	XL3t	8/20/2012	60		19.23	8.84	131	8.34	0		0		213	35.35	0	
GFL017 14+25E	DIRT	Niton	XL3t	8/20/2012	60	9.42	45.12	11.3	108	7.82	0		0		215	35.81	0	
GFL017 14+50E	DIRT	Niton	XL3t	8/20/2012	60	11.8	33.67	10.88	119	8.3	0		0		104	34.64	0	
GFL017 14+75E	DIRT	Niton	XL3t	8/20/2012	60		0		198	9.98	0		0		87	33.62	0	
GFL017 15+00E	DIRT	Niton	XL3t	8/20/2012	60		0		83	6.7	0		0		322	36.39	0	
GFL017 15+25E	DIRT	Niton	XL3t	8/20/2012	60		0		81	6.59	0		0		267	36.39	0	
GFL017 15+50E	DIRT	Niton	XL3t	8/20/2012	60		15.92	8.09	119	7.8	0		0		268	35.8	0	
GFL017 15+75E	DIRT	Niton	XL3t	8/20/2012	60		0		185	9.65	0		0		0		0	
GFL017 16+00E	DIRT	Niton	XL3t	8/20/2012	60		15.96	8.09	102	7.29	0		0		400	37.98	27.19	12.8
GFL017 16+25E	DIRT	Niton	XL3t	8/20/2012	60		0		174	9.5	0		0		168	35.22	0	
GFL017 16+50E	DIRT	Niton	XL3t	8/20/2012	60		12.94	8.12	119	7.97	0		0		309	37.09	0	
GFL017 16+75E	DIRT	Niton	XL3t	8/20/2012	60		0		150	8.74	0		0		125	34.36	0	
GFL017 17+00E	DIRT	Niton	XL3t	8/20/2012	60		11.98	7.77	65	5.88	0		0		304	35.45	19.7	12.06
GFL017 17+25E	DIRT	Niton	XL3t	8/20/2012	60		0		200	10.06	0		0		112	33.59	0	
GFL017 17+50E	DIRT	Niton	XL3t	8/20/2012	60		0		229	10.98	0		0		0		0	
GFL017 17+75E	DIRT	Niton	XL3t	8/20/2012	60		0		166	9.15	0		0		134	34.08	0	
GFL017 18+00E	DIRT	Niton	XL3t	8/20/2012	60		0		124	8.13	0		0		210	35.54	0	
GFL017 18+25E	DIRT	Niton	XL3t	8/20/2012	60		0		133	8.28	0		0		372	37.73	0	
GFL017 18+50E	DIRT	Niton	XL3t	8/20/2012	60		0		119	8.06	0		0		264	37.35	0	
GFL017 18+75E	DIRT	Niton	XL3t	8/20/2012	60		0		156	8.92	0		0		188	34.92	0	
GFL017 19+00E	DIRT	Niton	XL3t	8/20/2012	60		0		130	8.2	0		0		91	33.56	0	
GFL017 19+25E	DIRT	Niton	XL3t	8/20/2012	60		0		112	7.63	0		0		111	33.53	0	
GFL017 19+50E	DIRT	Niton	XL3t	8/20/2012	60		0		169	9.38	0		0		78	33.99	0	
GFL017 19+75E	DIRT	Niton	XL3t	8/20/2012	60		14.52	8.42	140	8.51	0		0		113	33.72	0	
GFL017 20+00E	DIRT	Niton	XL3t	8/20/2012	60		15.39	8.24	186	9.69	0		0		146	34.21	0	
GFL017 20+25E	DIRT	Niton	XL3t	8/20/2012	60		0		130	8.13	0		0		127	34.07	0	
GFL017 20+50E	DIRT	Niton	XL3t	8/20/2012	60		0		132	8.4	0		0		0		0	

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
GFL017 20+75E	DIRT	Niton	XL3t	8/20/2012	60		0		153	8.97	0		0		227	35.59	0	
GFL017 21+00E	DIRT	Niton	XL3t	8/20/2012	60		17.22	8.58	127	8.1	0		0		0		0	
GFL017 21+25E	DIRT	Niton	XL3t	8/20/2012	60		21.11	9.58	112	7.91	0		0		378	38.21	0	
GFL017 21+50E	DIRT	Niton	XL3t	8/20/2012	60		12.69	8.09	161	9.2	0		0		173	35.05	0	
GFL017 21+75E	DIRT	Niton	XL3t	8/20/2012	60	8.65	14.47	8.25	142	8.7	0		0		192	35.96	0	
GFL017 22+00E	DIRT	Niton	XL3t	8/20/2012	60		0		102	7.32	0		0		335	36.83	0	
GFL017 22+25E	DIRT	Niton	XL3t	8/20/2012	60		13.6	8.24	122	7.93	0		0		159	34.64	0	
GFL017 22+50E	DIRT	Niton	XL3t	8/20/2012	60		0		89	6.89	0		0		108	33.86	0	
GFL017 22+75E	DIRT	Niton	XL3t	8/20/2012	60		22.59	9.12	109	7.61	0		0		190	35.66	0	
GFL017 23+00E	DIRT	Niton	XL3t	8/20/2012	60		0		137	8.34	0		0		0		0	
GFL017 23+25E	DIRT	Niton	XL3t	8/20/2012	60		11.91	7.88	142	8.63	0		0		0		0	
GFL017 23+50E	DIRT	Niton	XL3t	8/20/2012	60		0		168	9.43	0		0		143	35.51	0	
GFL017 23+75E	DIRT	Niton	XL3t	8/20/2012	60		13.94	8.54	135	8.92	0		0		246	38.77	0	
GFL017 24+00E	DIRT	Niton	XL3t	8/20/2012	60		0		140	8.45	0		0		147	34.14	0	
GFL017 24+25E	DIRT	Niton	XL3t	8/20/2012	60		14.46	8.17	124	7.95	0		0		0		0	
GFL017 24+50E	DIRT	Niton	XL3t	8/20/2012	60		0		110	7.52	0		0		0		0	
GFL017 24+75E	DIRT	Niton	XL3t	8/20/2012	60		0		108	7.48	0		0		298	36.56	0	
GFL017 25+00E	DIRT	Niton	XL3t	8/20/2012	60		0		83	6.45	0		0		221	34.83	0	
GFL017 25+25E	DIRT	Niton	XL3t	8/20/2012	60		14.11	8.22	159	9.14	0		0		95	34.67	0	
GFL017 25+50E	DIRT	Niton	XL3t	8/20/2012	60		0		132	8.31	0		0		92	34.29	0	
GFL017 25+75E	DIRT	Niton	XL3t	8/20/2012	60		0		139	8.44	0		0		165	34.38	0	
GFL017 26+00E	DIRT	Niton	XL3t	8/20/2012	60		0		98	7.2	0		0		154	34.02	0	
GFL017 26+25E	DIRT	Niton	XL3t	8/20/2012	60		0		85	6.65	0		0		251	35.7	0	
GFL017 26+50E	DIRT	Niton	XL3t	8/20/2012	60		0		117	7.75	0		0		114	33.84	0	
GFL017 26+75E	DIRT	Niton	XL3t	8/20/2012	60		0		185	9.85	0		0		0		0	
GFL017 27+00E	DIRT	Niton	XL3t	8/20/2012	60		0		65	5.9	0		0		266	36.15	18.81	12.41
GFL017 27+25E	DIRT	Niton	XL3t	8/20/2012	60		11.95	7.42	61	5.61	0		0		255	34.89	0	
GFL017 27+50E	DIRT	Niton	XL3t	8/20/2012	60		0		100	7.04	0		0		199	34.5	0	
GFL017 27+75E	DIRT	Niton	XL3t	8/20/2012	60		0		86	6.49	0		0		0		0	
GFL017 28+00E	DIRT	Niton	XL3t	8/20/2012	60	6.77	13.67	7.66	85	6.57	0		0		113	33.46	0	
GFL017 28+25E	DIRT	Niton	XL3t	8/20/2012	60		0		75	6.18	0		0		151	34.09	0	
GFL017 28+50E	DIRT	Niton	XL3t	8/20/2012	60		0		113	7.49	0		0		0		0	
GFL017 28+75E	DIRT	Niton	XL3t	8/20/2012	60		0		126	7.87	0		0		0		0	
GFL017 29+00E	DIRT	Niton	XL3t	8/20/2012	60		0		47	5.12	0		0		168	34.47	0	
GFL017 29+25E	DIRT	Niton	XL3t	8/20/2012	60	7.51	0		117	7.72	0		0		159	34.71	0	
GFL017 29+50E	DIRT	Niton	XL3t	8/20/2012	60		0		106	7.36	0		0		144	34.56	0	
GFL017 29+75E	DIRT	Niton	XL3t	8/20/2012	60		0		119	8.23	0		0		0		0	
GFL017 30+00E	DIRT	Niton	XL3t	8/20/2012	60		0		191	9.9	0		0		0		0	
GFL017 30+25E	DIRT	Niton	XL3t	8/21/2012	60		15.36	8.64	115	8.09	0		0		0		0	
GFL017 34+25E	DIRT	Niton	XL3t	8/21/2012	60		13.7	8.2	122	8.03	0		0		78	34.15	0	
GFL017 34+50E	DIRT	Niton	XL3t	8/21/2012	60	8.36	0		130	8.49	0		0		0		0	
GFL017 34+75E	DIRT	Niton	XL3t	8/21/2012	60		0		169	9.68	0		0		0		0	
GFL017 35+00E	DIRT	Niton	XL3t	8/21/2012	60	8.72	0		196	10.36	0		0		0		0	
GFL017 35+25E	DIRT	Niton	XL3t	8/21/2012	60	10.15	0		200	10.55	0		0		0		0	
GFL017 35+50E	DIRT	Niton	XL3t	8/21/2012	60	9.7	24.73	9.6	164	9.65	0		0		0		0	

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
GFL017 35+75E	DIRT	Niton	XL3t	8/22/2012	60		0		184	10.23	0		0		0		0	
GFL017 36+00E	DIRT	Niton	XL3t	8/22/2012	60		0		238	11.38	0		0		0		0	
GFL017 36+25E	DIRT	Niton	XL3t	8/22/2012	60		0		197	10.28	0		0		0		0	
GFL017 36+50E	DIRT	Niton	XL3t	8/22/2012	60		15.28	8.43	180	9.9	0		0		0		0	
GFL017 36+75E	DIRT	Niton	XL3t	8/22/2012	60		14.16	8.56	178	9.96	0		0		0		0	
GFL017 37+00E	DIRT	Niton	XL3t	8/22/2012	60		0		157	9.16	0		0		0		0	
GFL017 37+25E	DIRT	Niton	XL3t	8/22/2012	60		0		151	9.08	0		0		0		0	
GFL017 37+50E	DIRT	Niton	XL3t	8/22/2012	60		0		108	7.95	0		0		0		0	
GFL017 37+75E	DIRT	Niton	XL3t	8/22/2012	60	7.95	17.56	8.47	85	6.79	0		0		108	34.1	0	
GFL017 38+00E	DIRT	Niton	XL3t	8/22/2012	60		13.71	8.23	99	7.44	0		0		0		0	
GFL018 00+00	DIRT	Niton	XL3t	9/20/2012	60	5.36	11.86	5.31	200	6.98								
GFL018 00+25E	DIRT	Niton	XL3t	9/20/2012	60		8.6	5.11	201	7.01								
GFL018 00+50E	DIRT	Niton	XL3t	9/20/2012	60		8.83	5.25	187	6.89								
GFL018 00+75E	DIRT	Niton	XL3t	9/20/2012	60		8.35	5.04	196	6.84								
GFL018 01+00E	DIRT	Niton	XL3t	9/20/2012	60		8.62	4.85	143	5.7								
GFL018 01+25E	DIRT	Niton	XL3t	9/20/2012	60		11.52	5.2	185	6.55								
GFL018 01+50E	DIRT	Niton	XL3t	9/20/2012	60		0		189	6.71								
GFL018 01+75E	DIRT	Niton	XL3t	9/20/2012	60		9.7	4.87	83	4.34								
GFL018 02+00E	DIRT	Niton	XL3t	9/20/2012	60	5.18	14.09	5.29	138	5.67								
GFL018 02+25E	DIRT	Niton	XL3t	9/20/2012	60		14.76	5.21	79	4.31								
GFL018 02+50E	DIRT	Niton	XL3t	9/20/2012	60		9.79	4.8	59	3.78								
GFL018 02+75E	DIRT	Niton	XL3t	9/20/2012	60		8.99	4.79	61	3.83								
GFL018 03+00E	DIRT	Niton	XL3t	9/20/2012	60		13.72	5.07	79	4.28								
GFL018 03+25E	DIRT	Niton	XL3t	9/20/2012	60		7.8	4.71	69	4.07								
GFL018 03+50E	DIRT	Niton	XL3t	9/26/2012	60		13.74	5.5	145	5.89								
GFL018 03+75E	DIRT	Niton	XL3t	9/26/2012	60		15.41	5.64	157	6.2								
GFL018 04+00E	DIRT	Niton	XL3t	9/26/2012	60		10.01	5.11	137	5.65								
GFL018 04+25E	DIRT	Niton	XL3t	9/23/2012	60	5.37	12.68	5.29	165	6.25								
GFL018 04+50E	DIRT	Niton	XL3t	9/23/2012	60		0		100	4.76								
GFL018 04+75E	DIRT	Niton	XL3t	9/23/2012	60		0		66	3.9								
GFL018 05+00E	DIRT	Niton	XL3t	9/23/2012	60		13.42	5.19	76	4.2								
GFL018 05+25E	DIRT	Niton	XL3t	9/23/2012	60	5.08	0		146	5.77								
GFL018 05+50E	DIRT	Niton	XL3t	9/23/2012	60		0		110	4.95								
GFL018 05+75E	DIRT	Niton	XL3t	9/23/2012	60		14.8	5.59	91	4.73								
GFL018 06+00E	DIRT	Niton	XL3t	9/23/2012	60		9.27	4.89	126	5.31								
GFL018 06+25E	DIRT	Niton	XL3t	9/23/2012	60		12.29	5.37	181	6.52								
GFL018 06+50E	DIRT	Niton	XL3t	9/23/2012	60		10.94	5.31	146	5.9								
GFL018 06+75E	DIRT	Niton	XL3t	9/23/2012	60		12.08	5.2	112	5.14								
GFL018 07+00E	DIRT	Niton	XL3t	9/23/2012	60		12.08	5.34	152	5.95								
GFL018 07+25E	DIRT	Niton	XL3t	9/23/2012	60		7.73	4.7	78	4.23								
GFL018 07+50E	DIRT	Niton	XL3t	9/23/2012	60		10.57	5.21	150	6								
GFL018 07+75E	DIRT	Niton	XL3t	9/23/2012	60		0		74	4.15								
GFL018 08+00E	DIRT	Niton	XL3t	9/23/2012	60		15.74	5.71	167	6.31								
GFL018 08+25E	DIRT	Niton	XL3t	9/19/2012	60		8.03	4.62	72	4.03								
GFL018 08+50E	DIRT	Niton	XL3t	9/19/2012	60		19.72	5.91	129	5.52								

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
GFL018 08+75E	DIRT	Niton	XL3t	9/19/2012	60	5.49	12.36	5.32	196	6.75								
GFL018 09+00E	DIRT	Niton	XL3t	9/19/2012	60		0		175	6.32								
GFL018 09+25E	DIRT	Niton	XL3t	9/19/2012	60		12.42	5.02	64	3.9								
GFL018 09+50E	DIRT	Niton	XL3t	9/19/2012	60		0		200	6.76								
GFL018 09+75E	DIRT	Niton	XL3t	9/19/2012	60		17.74	6.15	163	6.35								
GFL018 10+00E	DIRT	Niton	XL3t	9/19/2012	60		10.75	5.47	172	6.36								
GFL018 10+25E	DIRT	Niton	XL3t	9/19/2012	60	6.12	9.14	5.26	205	6.96								
GFL018 10+50E	DIRT	Niton	XL3t	9/19/2012	60		11.99	5.41	90	4.65								
GFL018 10+75E	DIRT	Niton	XL3t	9/19/2012	60		8.87	5.16	150	5.93								
GFL018 11+00E	DIRT	Niton	XL3t	9/19/2012	60		11	5.34	172	6.3								
GFL018 11+25E	DIRT	Niton	XL3t	9/19/2012	60		14.08	5.58	187	6.65								
GFL018 11+50E	DIRT	Niton	XL3t	9/19/2012	60		13.73	5.52	201	6.83								
GFL018 11+75E	DIRT	Niton	XL3t	9/19/2012	60	5.98	0		168	6.27								
GFL018 12+00E	DIRT	Niton	XL3t	9/20/2012	60		8.47	5.17	197	6.8								
GFL018 12+25E	DIRT	Niton	XL3t	9/13/2012	60		10.95	5.41	179	6.54								
GFL018 12+50E	DIRT	Niton	XL3t	9/13/2012	60		17.7	5.89	169	6.33								
GFL018 12+75E	DIRT	Niton	XL3t	9/13/2012	60		9.43	5.31	153	6.02								
GFL018 13+00E	DIRT	Niton	XL3t	9/13/2012	60		12.73	5.52	163	6.23								
GFL018 13+25W	DIRT	Niton	XL3t	9/13/2012	60		10.13	5.23	166	6.28								
GFL018 13+50W	DIRT	Niton	XL3t	9/13/2012	60		12.37	5.5	155	6.08								
GFL018 13+75W	DIRT	Niton	XL3t	9/13/2012	60		14.81	5.54	145	5.81								
GFL018 14+00W	DIRT	Niton	XL3t	9/13/2012	60		11.87	5.95	234	7.57								
GFL018 14+25W	DIRT	Niton	XL3t	9/13/2012	40		0		165	7.92								
GFL018 14+50E	DIRT	Niton	XL3t	9/13/2012	60	5.83	10.35	5.22	130	5.52								
GFL018 14+75W	DIRT	Niton	XL3t	9/13/2012	47		0		165	7.15								
GFL018 15+00W	DIRT	Niton	XL3t	9/13/2012	60	5.74	0		147	5.9								
GFL018 15+25E	DIRT	Niton	XL3t	9/17/2012	60		7.87	5.06	155	6.05								
GFL018 15+50E	DIRT	Niton	XL3t	9/17/2012	60		11.2	5.37	154	6.05								
GFL018 15+75E	DIRT	Niton	XL3t	9/17/2012	60		9.96	5.13	151	5.88								
GFL018 16+00E	DIRT	Niton	XL3t	9/17/2012	60		0		140	5.72								
GFL018 16+25E	DIRT	Niton	XL3t	9/13/2012	60		11.47	5.42	122	5.39								
GFL018 16+50E	DIRT	Niton	XL3t	9/13/2012	60		8.53	5.04	104	4.98								
GFL018 16+75E	DIRT	Niton	XL3t	9/13/2012	60		10.21	5.25	102	4.97								
GFL018 17+00E	DIRT	Niton	XL3t	9/13/2012	60	6.1	9.07	5.32	128	5.57								
GFL018 17+25E	DIRT	Niton	XL3t	9/13/2012	60		10.03	5.36	148	6.07								
GFL018 17+50E	DIRT	Niton	XL3t	9/13/2012	60		9.45	5.24	123	5.48								
GFL018 17+75E	DIRT	Niton	XL3t	9/13/2012	60		15.66	5.65	145	5.83								
GFL018 18+00E	DIRT	Niton	XL3t	9/13/2012	60		0		153	6.06								
GFL018 18+25E	DIRT	Niton	XL3t	9/13/2012	60		12.04	6.14	96	5.61								
GFL018 18+50E	DIRT	Niton	XL3t	9/13/2012	60		14.1	5.47	118	5.25								
GFL018 18+75E	DIRT	Niton	XL3t	9/13/2012	60	5.23	12.95	5.39	138	5.69								
GFL018 19+00E	DIRT	Niton	XL3t	9/13/2012	60		12.63	5.5	139	5.77								
GFL018 19+25E	DIRT	Niton	XL3t	9/13/2012	60		12.32	5.45	106	5.09								
GFL018 19+50E	DIRT	Niton	XL3t	9/13/2012	60		8.64	5.17	135	5.6								
GFL018 19+75E	DIRT	Niton	XL3t	9/13/2012	60		11.04	5.46	121	5.36								

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
GFL018 20+00E	DIRT	Niton	XL3t	9/13/2012	60		8.73	5.21	124	5.5								
GFL018 20+25E	DIRT	Niton	XL3t	9/21/2012	60		13.84	5.63	124	5.46								
GFL018 20+50E	DIRT	Niton	XL3t	9/21/2012	60		10.57	5.32	142	5.85								
GFL018 20+75E	DIRT	Niton	XL3t	9/21/2012	60	5.49	12.5	5.43	120	5.38								
GFL018 21+00E	DIRT	Niton	XL3t	9/21/2012	60		8.08	5.17	139	5.78								
GFL018 21+25E	DIRT	Niton	XL3t	9/21/2012	60		8.66	5.19	136	5.72								
GFL018 21+50E	DIRT	Niton	XL3t	9/21/2012	60	5.84	12.97	5.41	117	5.24								
GFL018 21+75E	DIRT	Niton	XL3t	9/21/2012	60		0		118	5.35								
GFL018 22+00E	DIRT	Niton	XL3t	9/21/2012	60		9.21	5.31	121	5.37								
GFL018 22+25E	DIRT	Niton	XL3t	9/21/2012	60		10.88	5.4	102	4.97								
GFL018 22+50E	DIRT	Niton	XL3t	9/21/2012	60		14	5.85	110	5.25								
GFL018 22+75E	DIRT	Niton	XL3t	9/21/2012	60		14.79	5.6	114	5.18								
GFL018 23+00E	DIRT	Niton	XL3t	9/21/2012	60		10.74	5.22	95	4.76								
GFL018 23+25E	DIRT	Niton	XL3t	9/21/2012	60	5.64	12.37	5.29	103	4.92								
GFL018 23+50E	DIRT	Niton	XL3t	9/21/2012	60		15.44	5.48	102	4.87								
GFL018 23+75E	DIRT	Niton	XL3t	9/21/2012	60		12.78	5.41	109	5.08								
GFL018 24+00E	DIRT	Niton	XL3t	9/21/2012	60		0		114	5.28								
GFL018 24+25E	DIRT	Niton	XL3t	9/19/2012	60		8.41	5.17	107	5.21								
GFL018 24+50E	DIRT	Niton	XL3t	9/19/2012	60		8.15	5.33	119	5.6								
GFL018 24+75E	DIRT	Niton	XL3t	9/19/2012	60		8.13	5.16	124	5.52								
GFL018 25+00E	DIRT	Niton	XL3t	9/19/2012	60		9.89	5.34	138	5.75								
GFL018 25+25E	DIRT	Niton	XL3t	9/19/2012	60		9.69	5.3	112	5.23								
GFL018 25+50E	DIRT	Niton	XL3t	9/19/2012	60		12.87	5.66	93	4.8								
GFL018 25+75E	DIRT	Niton	XL3t	9/19/2012	60		0		94	4.79								
GFL018 26+00E	DIRT	Niton	XL3t	9/19/2012	60		18.38	5.87	103	5.03								
GFL018 26+25E	DIRT	Niton	XL3t	9/19/2012	60		12.74	5.42	86	4.58								
GFL018 26+50E	DIRT	Niton	XL3t	9/19/2012	60		10.59	5.15	122	5.4								
GFL018 26+75E	DIRT	Niton	XL3t	9/19/2012	60		11.13	5.09	108	5.01								
GFL018 27+00E	DIRT	Niton	XL3t	9/19/2012	60		0		101	4.89								
GFL018 27+25E	DIRT	Niton	XL3t	9/19/2012	60		10.2	5.12	120	5.25								
GFL018 27+50E	DIRT	Niton	XL3t	9/19/2012	60		0		128	5.5								
GFL018 27+75E	DIRT	Niton	XL3t	9/19/2012	60		8.73	5.01	99	4.76								
GFL018 28+00E	DIRT	Niton	XL3t	9/19/2012	60		0		98	4.81								
GFL018 28+25E	DIRT	Niton	XL3t	9/19/2012	60		14.61	5.43	108	5.01								
GFL018 28+50E	DIRT	Niton	XL3t	9/19/2012	60		9.67	5.24	177	6.48								
GFL018 28+75E	DIRT	Niton	XL3t	9/19/2012	60		9.43	5.16	125	5.47								
GFL018 29+00E	DIRT	Niton	XL3t	9/19/2012	60		7.8	5.11	151	5.96								
GFL018 29+25E	DIRT	Niton	XL3t	9/19/2012	60		9.63	5.24	158	6.12								
GFL018 29+50E	DIRT	Niton	XL3t	9/19/2012	60		9.33	5.16	139	5.71								
GFL018 29+75E	DIRT	Niton	XL3t	9/19/2012	60		8.65	5.13	138	5.66								
GFL018 30+00E	DIRT	Niton	XL3t	9/19/2012	60		12.82	5.38	131	5.5								
GFL018 30+25E	DIRT	Niton	XL3t	9/19/2012	60		0		123	5.28								
GFL018 30+50E	DIRT	Niton	XL3t	9/19/2012	60	5.63	10.93	5.22	108	5.02								
GFL018 30+75E	DIRT	Niton	XL3t	9/19/2012	60	5.54	15.3	5.46	109	5								
GFL018 31+00E	DIRT	Niton	XL3t	9/19/2012	60		11.72	5.3	113	5.12								

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
GFL018 31+25E	DIRT	Niton	XL3t	9/20/2012	60		15.54	5.6	105	5								
GFL018 31+50E	DIRT	Niton	XL3t	9/20/2012	60		0		126	5.47								
GFL018 31+75E	DIRT	Niton	XL3t	9/20/2012	60		8.33	5.19	131	5.62								
GFL018 32+00E	DIRT	Niton	XL3t	9/20/2012	60		10.94	5.26	106	4.98								
GFL018 32+25E	DIRT	Niton	XL3t	9/20/2012	60		10.26	5.11	113	5.06								
GFL018 32+50E	DIRT	Niton	XL3t	9/20/2012	60		14.34	5.35	97	4.73								
GFL018 32+75E	DIRT	Niton	XL3t	9/20/2012	60		12.45	5.42	121	5.33								
GFL018 33+00E	DIRT	Niton	XL3t	9/20/2012	60		0		124	5.38								
GFL018 33+25E	DIRT	Niton	XL3t	9/20/2012	60		13.28	5.39	104	4.9								
GFL018 33+50E	DIRT	Niton	XL3t	9/20/2012	60		7.92	5.12	106	5								
GFL018 33+75E	DIRT	Niton	XL3t	9/20/2012	60		11.24	5.53	132	5.66								
GFL018 34+00E	DIRT	Niton	XL3t	9/21/2012	60		8.29	5.21	100	4.87								
GFL018 34+25E	DIRT	Niton	XL3t	9/20/2012	60		12.42	5.54	116	5.28								
GFL018 34+50E	DIRT	Niton	XL3t	9/20/2012	60		11.33	5.51	121	5.34								
GFL018 34+75E	DIRT	Niton	XL3t	9/20/2012	60		0		125	5.41								
GFL018 35+00E	DIRT	Niton	XL3t	9/20/2012	60	6.05	11.68	5.3	107	5.03								
GFL018 35+25E	DIRT	Niton	XL3t	9/23/2012	60		8.67	5.11	103	4.92								
GFL018 35+50E	DIRT	Niton	XL3t	9/23/2012	60		8.63	5.38	132	5.58								
GFL018 35+75E	DIRT	Niton	XL3t	9/23/2012	60		13.99	5.77	124	5.53								
GFL018 36+00E	DIRT	Niton	XL3t	9/23/2012	60		10.5	5.48	114	5.32								
GFL018 36+25E	DIRT	Niton	XL3t	9/23/2012	60	6.81	8.68	5.28	165	6.27								
GFL018 36+50E	DIRT	Niton	XL3t	9/23/2012	60	5.68	8.55	5.11	125	5.41								
GFL018 36+75E	DIRT	Niton	XL3t	9/23/2012	60		0		125	5.52								
GFL018 37+00E	DIRT	Niton	XL3t	9/23/2012	60		9.2	5.39	114	5.22								
GFL018 37+25E	DIRT	Niton	XL3t	9/23/2012	60		10.99	5.42	130	5.49								
GFL018 37+50E	DIRT	Niton	XL3t	9/23/2012	60	5.84	13.55	5.55	160	6.12								
GFL018 37+75E	DIRT	Niton	XL3t	9/23/2012	60		0		147	5.95								
GFL018 38+00E	DIRT	Niton	XL3t	9/23/2012	60		0		155	6.03								
GFL018 38+25E	DIRT	Niton	XL3t	9/23/2012	60		9.92	5.31	123	5.46								
GFL018 38+50E	DIRT	Niton	XL3t	9/23/2012	60		9.5	5.14	117	5.24								
GFL018 38+75E	DIRT	Niton	XL3t	9/23/2012	60	5.51	15.84	5.59	128	5.53								
GFL018 39+00E	DIRT	Niton	XL3t	9/23/2012	53		9.85	5.54	109	5.48								
GFL019 00+00	ROCK	Niton	XL3t	9/25/2012	60	5.56	13.46	5.45	178	6.51								
GFL019 00+25E	ROCK	Niton	XL3t	9/25/2012	60	5.59	10.93	5.33	161	6.15								
GFL019 00+50E	ROCK	Niton	XL3t	9/25/2012	60		7.9	4.96	142	5.76								
GFL019 00+75E	ROCK	Niton	XL3t	9/25/2012	60		7.77	4.93	135	5.58								
GFL019 01+00E	ROCK	Niton	XL3t	9/25/2012	60		9.81	4.99	151	5.84								
GFL019 01+25E	ROCK	Niton	XL3t	9/25/2012	60	5.86	0		151	6.06								
GFL019 01+50E	ROCK	Niton	XL3t	9/25/2012	60		13.04	5.36	156	6.04								
GFL019 01+75E	ROCK	Niton	XL3t	9/25/2012	60	6.08	15.82	5.72	158	6.21								
GFL019 02+00E	ROCK	Niton	XL3t	9/25/2012	60		9.83	4.89	88	4.49								
GFL019 02+25E	ROCK	Niton	XL3t	9/25/2012	60		7.87	4.95	123	5.34								
GFL019 02+50E	ROCK	Niton	XL3t	9/25/2012	60		7.75	4.92	138	5.61								
GFL019 02+75E	ROCK	Niton	XL3t	9/25/2012	60		0		102	4.85								
GFL019 03+00E	ROCK	Niton	XL3t	9/25/2012	60		8.3	4.98	115	5.2								

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
GFL019 03+25E	ROCK	Niton	XL3t	9/25/2012	60		19.89	6.01	166	6.3								
GFL019 03+50E	ROCK	Niton	XL3t	9/25/2012	60	5.86	0		121	5.72								
GFL019 03+75E	ROCK	Niton	XL3t	9/25/2012	60		9.03	4.88	87	4.5								
GFL019 04+00E	ROCK	Niton	XL3t	9/25/2012	60		10.09	5.14	193	6.71								
GFL019 04+25E	ROCK	Niton	XL3t	9/25/2012	60		10.56	5.17	149	5.84								
GFL019 04+50E	ROCK	Niton	XL3t	9/25/2012	60		0		83	4.34								
GFL019 04+75E	ROCK	Niton	XL3t	9/25/2012	60		9.09	5.05	107	4.98								
GFL019 05+00E	ROCK	Niton	XL3t	9/25/2012	60		10.03	5.12	155	5.93								
GFL019 05+25E	ROCK	Niton	XL3t	9/25/2012	60		19.38	5.87	186	6.61								
GFL019 05+50E	ROCK	Niton	XL3t	9/25/2012	60		0		166	6.14								
GFL019 05+75E	ROCK	Niton	XL3t	9/25/2012	60		12.55	5.27	103	4.89								
GFL019 06+00E	ROCK	Niton	XL3t	9/25/2012	60		14.68	5.44	150	5.92								
GFL019 06+25E	DIRT	Niton	XL3t	9/22/2012	60		11.96	5.15	149	5.8								
GFL019 06+50E	DIRT	Niton	XL3t	9/22/2012	60		17.67	5.92	152	6.11								
GFL019 06+75E	DIRT	Niton	XL3t	9/22/2012	60		17.67	6.04	132	5.71								
GFL019 07+00E	DIRT	Niton	XL3t	9/22/2012	60		21.51	6.04	113	5.16								
GFL019 07+25E	DIRT	Niton	XL3t	9/22/2012	60		15.29	5.7	101	4.94								
GFL019 07+50E	DIRT	Niton	XL3t	9/22/2012	60	6.05	18.99	5.87	136	5.65								
GFL019 07+75E	DIRT	Niton	XL3t	9/22/2012	60		8.5	5.22	120	5.44								
GFL019 08+00E	DIRT	Niton	XL3t	9/22/2012	60		14.64	5.64	111	5.18								
GFL019 08+25E	DIRT	Niton	XL3t	9/22/2012	60	5.61	7.69	4.95	162	6.21								
GFL019 08+50E	DIRT	Niton	XL3t	9/22/2012	60	6.57	18.24	6.15	190	7.02								
GFL019 08+75E	DIRT	Niton	XL3t	9/22/2012	60	4.98	7.76	4.75	132	5.46								
GFL019 09+00E	DIRT	Niton	XL3t	9/22/2012	60		10.36	5.06	180	6.37								
GFL019 09+25E	DIRT	Niton	XL3t	9/22/2012	60		9.54	5.25	121	5.44								
GFL019 09+50E	DIRT	Niton	XL3t	9/22/2012	60		7.3	4.69	75	4.19								
GFL019 09+75E	DIRT	Niton	XL3t	9/22/2012	60		13.45	5.66	168	6.39								
GFL019 10+00E	DIRT	Niton	XL3t	9/22/2012	60	7.04	21.4	6.46	153	6.26								
GFL019 10+25E	DIRT	Niton	XL3t	9/22/2012	60		9.92	5.25	177	6.51								
GFL019 10+50E	DIRT	Niton	XL3t	9/22/2012	60		10.06	5.12	178	6.37								
GFL019 10+75E	DIRT	Niton	XL3t	9/22/2012	60		11.4	5.19	180	6.46								
GFL019 11+00E	DIRT	Niton	XL3t	9/22/2012	60		9.36	5.06	171	6.31								
GFL019 11+25E	DIRT	Niton	XL3t	9/22/2012	60		10.21	5.16	164	6.11								
GFL019 11+50E	DIRT	Niton	XL3t	9/22/2012	60	5.65	9.34	5.16	178	6.57								
GFL019 11+75E	DIRT	Niton	XL3t	9/22/2012	60		9.54	5.04	124	5.36								
GFL019 12+00E	DIRT	Niton	XL3t	9/22/2012	60		9.93	5.09	192	6.62								
GFL019 12+25E	DIRT	Niton	XL3t	9/24/2012	60		0		169	6.35								
GFL019 12+50E	DIRT	Niton	XL3t	9/24/2012	60		14.26	5.51	178	6.48								
GFL019 12+75E	DIRT	Niton	XL3t	9/24/2012	60	5.51	11.58	5.29	223	7.23								
GFL019 13+00E	DIRT	Niton	XL3t	9/24/2012	60		8.65	5.3	141	5.8								
GFL019 13+25E	DIRT	Niton	XL3t	9/24/2012	60		14.66	5.54	195	6.7								
GFL019 13+50E	DIRT	Niton	XL3t	9/24/2012	60		8.78	5.03	200	6.8								
GFL019 13+75E	ROCK	Niton	XL3t	9/25/2012	60		12.71	5.4	162	6.17								
GFL019 14+00E	ROCK	Niton	XL3t	9/25/2012	60		14.54	5.61	144	5.91								
GFL019 14+25E	ROCK	Niton	XL3t	9/25/2012	60		14	5.36	87	4.55								

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
GFL019 14+50E	ROCK	Niton	XL3t	9/25/2012	60		12	5.36	160	6.14								
GFL019 14+75E	ROCK	Niton	XL3t	9/25/2012	60		10.24	5.28	209	7.22								
GFL019 15+00E	ROCK	Niton	XL3t	9/25/2012	60		10.61	5.2	115	5.21								
GFL019 15+25E	ROCK	Niton	XL3t	9/25/2012	60	5.99	14.57	5.62	158	6.18								
GFL019 15+50E	ROCK	Niton	XL3t	9/25/2012	60		0		89	4.62								
GFL019 15+75E	ROCK	Niton	XL3t	9/25/2012	60		8.57	5.11	131	5.59								
GFL019 16+00E	ROCK	Niton	XL3t	9/25/2012	60		10.15	5.48	169	6.47								
GFL019 16+25E	ROCK	Niton	XL3t	9/25/2012	60		8.99	5.22	148	5.92								
GFL019 16+50E	ROCK	Niton	XL3t	9/25/2012	60		15.64	5.8	144	5.91								
GFL019 16+75E	ROCK	Niton	XL3t	9/25/2012	60	5.94	16.21	5.82	126	5.55								
GFL019 17+00E	ROCK	Niton	XL3t	9/25/2012	60	5.68	11.06	5.36	131	5.61								
GFL019 17+25E	ROCK	Niton	XL3t	9/25/2012	60		10.04	5.23	85	4.57								
GFL019 17+50E	ROCK	Niton	XL3t	9/25/2012	60		12.59	5.33	126	5.42								
GFL019 17+75E	ROCK	Niton	XL3t	9/25/2012	60		0		124	5.41								
GFL019 18+00E	ROCK	Niton	XL3t	9/25/2012	60		11.09	5.27	107	5.07								
GFL019 18+25E	DIRT	Niton	XL3t	9/24/2012	60		10.59	5.24	118	5.28								
GFL019 18+50E	DIRT	Niton	XL3t	9/24/2012	60		12.74	5.48	89	4.7								
GFL019 18+75E	DIRT	Niton	XL3t	9/24/2012	60	5.64	7.99	5.04	133	5.58								
GFL019 19+00E	DIRT	Niton	XL3t	9/24/2012	60		0		157	6.11								
GFL019 19+25E	DIRT	Niton	XL3t	9/24/2012	60		12.58	5.44	119	5.31								
GFL019 19+50E	DIRT	Niton	XL3t	9/24/2012	60		12.85	5.66	155	6.16								
GFL019 19+75E	DIRT	Niton	XL3t	9/24/2012	60		0		144	5.86								
GFL019 20+00E	DIRT	Niton	XL3t	9/24/2012	60		10.77	5.3	122	5.38								
GFL019 20+25E	DIRT	Niton	XL3t	9/24/2012	60		15.64	5.61	89	4.67								
GFL019 20+50E	DIRT	Niton	XL3t	9/24/2012	60		15.8	5.74	117	5.29								
GFL019 20+75E	DIRT	Niton	XL3t	9/24/2012	60		9.98	5.27	104	5.01								
GFL019 21+00E	DIRT	Niton	XL3t	9/24/2012	60		0		118	5.35								
GFL019 21+25E	DIRT	Niton	XL3t	9/24/2012	60		14.48	5.71	124	5.54								
GFL019 21+50E	DIRT	Niton	XL3t	9/24/2012	60	6.31	15.85	5.75	136	5.67								
GFL019 21+75E	DIRT	Niton	XL3t	9/24/2012	60		10.23	5.39	121	5.35								
GFL019 22+00E	DIRT	Niton	XL3t	9/24/2012	60		12.68	5.56	129	5.65								
GFL019 22+25E	DIRT	Niton	XL3t	9/24/2012	60	5.65	14.62	5.68	118	5.4								
GFL019 22+50E	DIRT	Niton	XL3t	9/24/2012	60		11.67	5.49	113	5.21								
GFL019 22+75E	DIRT	Niton	XL3t	9/24/2012	60		14.27	5.7	122	5.49								
GFL019 23+00E	DIRT	Niton	XL3t	9/24/2012	60		13.01	5.7	128	5.63								
GFL019 23+25E	DIRT	Niton	XL3t	9/21/2012	60		9.4	5.23	140	5.81								
GFL019 23+50E	DIRT	Niton	XL3t	9/21/2012	60		16.76	5.83	143	5.88								
GFL019 23+75E	DIRT	Niton	XL3t	9/21/2012	60		12.55	5.46	144	5.87								
GFL019 24+00E	DIRT	Niton	XL3t	9/21/2012	60		7.72	5.03	129	5.51								
GFL019 24+25E	DIRT	Niton	XL3t	9/21/2012	60		0		141	5.79								
GFL019 24+50E	DIRT	Niton	XL3t	9/21/2012	60	5.45	11.43	5.28	118	5.25								
GFL019 24+75E	DIRT	Niton	XL3t	9/21/2012	60		17.14	5.78	108	5.1								
GFL019 25+00E	DIRT	Niton	XL3t	9/21/2012	60		13.48	5.4	105	5								
GFL019 25+25E	DIRT	Niton	XL3t	9/21/2012	60		14.54	5.59	152	5.97								
GFL019 25+50E	DIRT	Niton	XL3t	9/21/2012	60		10.65	5.18	116	5.15								

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
GFL019 25+75E	DIRT	Niton	XL3t	9/21/2012	60	4.98	0		135	5.63								
GFL019 26+00E	DIRT	Niton	XL3t	9/21/2012	60		0		120	5.25								
GFL019 26+25E	DIRT	Niton	XL3t	9/21/2012	60		13.55	5.52	133	5.59								
GFL019 26+50E	DIRT	Niton	XL3t	9/21/2012	60		10.65	5.28	124	5.35								
GFL019 26+75E	DIRT	Niton	XL3t	9/21/2012	60		9.94	5.2	100	4.85								
GFL019 27+00E	DIRT	Niton	XL3t	9/21/2012	60	5.5	15.36	5.52	96	4.76								
GFL019 27+25E	DIRT	Niton	XL3t	9/24/2012	60		12.77	5.47	112	5.17								
GFL019 27+50E	DIRT	Niton	XL3t	9/24/2012	60		16.36	5.69	110	5.1								
GFL019 27+75E	DIRT	Niton	XL3t	9/24/2012	60		8.07	5.16	128	5.41								
GFL019 28+00E	DIRT	Niton	XL3t	9/24/2012	60		11.46	5.38	113	5.15								
GFL019 28+25E	DIRT	Niton	XL3t	9/24/2012	60		7.86	5.07	116	5.2								
GFL019 28+50E	DIRT	Niton	XL3t	9/24/2012	60		12.9	5.43	117	5.21								
GFL019 28+75E	DIRT	Niton	XL3t	9/24/2012	60		0		123	5.31								
GFL019 29+00E	DIRT	Niton	XL3t	9/24/2012	60		11.82	5.29	94	4.68								
GFL019 29+25E	DIRT	Niton	XL3t	9/24/2012	60		11.04	5.41	108	5.1								
GFL019 29+50E	DIRT	Niton	XL3t	9/24/2012	60	5.7	14.96	5.61	114	5.2								
GFL019 29+75E	DIRT	Niton	XL3t	9/24/2012	60		0		119	5.33								
GFL019 30+00E	DIRT	Niton	XL3t	9/24/2012	60	5.54	18.89	5.81	97	4.83								
GFL019 30+25E	DIRT	Niton	XL3t	9/24/2012	60	5.79	10.75	5.29	100	4.89								
GFL019 30+50E	DIRT	Niton	XL3t	9/24/2012	60	7.42	12.57	5.8	150	6.04								
GFL019 30+75E	DIRT	Niton	XL3t	9/24/2012	60	6.46	0		143	5.8								
GFL019 31+00E	DIRT	Niton	XL3t	9/26/2012	60	5.98	10.64	5.3	107	5.04								
GFL019 31+25E	DIRT	Niton	XL3t	9/26/2012	60	5.88	11.66	5.46	117	5.29								
GFL019 31+50E	DIRT	Niton	XL3t	9/26/2012	60	6.55	19.9	6.14	91	4.81								
GFL019 31+75E	DIRT	Niton	XL3t	9/26/2012	60		11	5.45	131	5.62								
GFL019 32+00E	DIRT	Niton	XL3t	9/26/2012	60		0		132	5.62								
GFL019 32+25E	DIRT	Niton	XL3t	9/26/2012	60		14.28	5.62	119	5.31								
GFL019 32+50E	DIRT	Niton	XL3t	9/26/2012	60		8.81	5.2	148	5.85								
GFL019 32+75E	DIRT	Niton	XL3t	9/26/2012	60		9.37	5.21	160	6.13								
GFL019 33+00E	DIRT	Niton	XL3t	9/26/2012	60		7.82	5.1	112	5.17								
GFL019 33+25E	DIRT	Niton	XL3t	9/26/2012	60		9.72	5.05	131	5.47								
GFL019 33+50E	DIRT	Niton	XL3t	9/26/2012	60		0		110	5.08								
GFL019 33+75E	DIRT	Niton	XL3t	9/26/2012	60		13.71	5.44	92	4.71								
GFL019 34+00E	DIRT	Niton	XL3t	9/26/2012	60		8.69	5.22	96	4.83								
GFL019 34+25E	DIRT	Niton	XL3t	9/26/2012	60		13.63	5.49	151	5.99								
GFL019 34+50E	DIRT	Niton	XL3t	9/26/2012	60	5.48	9.14	5.11	119	5.33								
GFL019 34+75E	DIRT	Niton	XL3t	9/26/2012	60		15.56	5.67	139	5.73								
GFL019 35+00E	DIRT	Niton	XL3t	9/26/2012	60		11.02	5.22	110	5.08								
GFL019 35+25E	DIRT	Niton	XL3t	9/26/2012	60		10.06	5.09	52	3.68								
GFL019 35+50E	DIRT	Niton	XL3t	9/26/2012	60		14.42	5.51	146	5.95								
GFL019 35+75E	DIRT	Niton	XL3t	9/26/2012	60		9.4	5.26	141	5.89								
GFL019 36+00E	DIRT	Niton	XL3t	9/26/2012	60		10.6	5.26	133	5.66								
GFL019 36+25E	DIRT	Niton	XL3t	9/26/2012	60		11.58	5.33	151	6								
GFL019 36+50E	DIRT	Niton	XL3t	9/26/2012	60		22.05	6.07	137	5.79								
GFL019 36+75E	DIRT	Niton	XL3t	9/26/2012	60		9.51	5.25	150	6.05								

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
GFL019 37+00E	DIRT	Niton	XL3t	9/26/2012	60		9.7	5.16	111	5.14								
GFL019 37+25E	DIRT	Niton	XL3t	9/26/2012	60		8.33	5.09	115	5.3								
GFL019 37+50E	DIRT	Niton	XL3t	9/26/2012	60		9.66	5.15	115	5.21								
GFL020 00+00	DIRT	Niton	XL3t	9/22/2012	60		10.69	5.22	219	7.18								
GFL020 00+25E	DIRT	Niton	XL3t	9/22/2012	60		14.15	5.38	129	5.5								
GFL020 00+50E	DIRT	Niton	XL3t	9/22/2012	60		11.25	5.21	203	6.81								
GFL020 00+75E	DIRT	Niton	XL3t	9/22/2012	60		8.77	4.92	208	6.82								
GFL020 01+00E	DIRT	Niton	XL3t	9/22/2012	60		11.16	5.1	108	4.96								
GFL020 01+25E	DIRT	Niton	XL3t	9/23/2012	60		8.15	5.09	162	6.25								
GFL020 01+50E	DIRT	Niton	XL3t	9/22/2012	55		0		129	5.67								
GFL020 01+75E	DIRT	Niton	XL3t	9/22/2012	60		10.23	4.98	175	6.23								
GFL020 02+00E	DIRT	Niton	XL3t	9/22/2012	60		11.36	5.18	168	6.21								
GFL020 02+25E	DIRT	Niton	XL3t	9/22/2012	60		0		74	4.09								
GFL020 02+50E	DIRT	Niton	XL3t	9/22/2012	60		13.1	5.43	190	6.65								
GFL020 02+75E	DIRT	Niton	XL3t	9/22/2012	60		9.42	5.17	164	6.18								
GFL020 03+00E	DIRT	Niton	XL3t	9/22/2012	60		0		154	5.98								
GFL020 03+25E	DIRT	Niton	XL3t	9/22/2012	60		17.59	5.72	148	5.9								
GFL020 03+50E	DIRT	Niton	XL3t	9/22/2012	60		0		206	7								
GFL020 03+75E	DIRT	Niton	XL3t	9/22/2012	60		11.68	5.24	141	5.63								
GFL020 04+00E	DIRT	Niton	XL3t	9/22/2012	60		12.21	5.59	186	6.67								
GFL020 04+25E	DIRT	Niton	XL3t	9/22/2012	60		0		67	3.96								
GFL020 04+50E	DIRT	Niton	XL3t	9/22/2012	60		0		112	4.95								
GFL020 04+75E	DIRT	Niton	XL3t	9/22/2012	60		0		144	5.76								
GFL020 05+00E	DIRT	Niton	XL3t	9/22/2012	60		7.81	4.95	131	5.47								
GFL020 05+25E	DIRT	Niton	XL3t	9/22/2012	60		8.45	5.2	187	6.65								
GFL020 05+50E	DIRT	Niton	XL3t	9/23/2012	60		12.95	5.65	112	5.22								
GFL020 05+75E	DIRT	Niton	XL3t	9/23/2012	60		7.77	4.86	104	4.87								
GFL020 06+00E	DIRT	Niton	XL3t	9/23/2012	60		16.49	5.49	165	6.08								
GFL020 06+25E	DIRT	Niton	XL3t	9/23/2012	60		10.45	5.09	161	6.03								
GFL020 06+50E	DIRT	Niton	XL3t	9/23/2012	60		14.41	5.42	104	4.93								
GFL020 06+75E	DIRT	Niton	XL3t	9/23/2012	60		0		185	6.51								
GFL020 07+00E	DIRT	Niton	XL3t	9/23/2012	60		10.99	5.01	90	4.54								
GFL020 07+25E	DIRT	Niton	XL3t	9/23/2012	60		10.62	5.21	203	6.89								
GFL020 07+50E	DIRT	Niton	XL3t	9/23/2012	60	5.65	11.29	5.31	187	6.64								
GFL020 07+75E	DIRT	Niton	XL3t	9/23/2012	60		0		160	6.09								
GFL020 08+00E	DIRT	Niton	XL3t	9/23/2012	60		16.03	5.72	138	5.72								
GFL020 08+25E	DIRT	Niton	XL3t	9/18/2012	60	7.36	23.62	6.67	153	6.32								
GFL020 08+50E	DIRT	Niton	XL3t	9/18/2012	60		12.63	5.73	183	6.83								
GFL020 08+75E	DIRT	Niton	XL3t	9/18/2012	60	6.7	15.6	5.95	161	6.36								
GFL020 09+00E	DIRT	Niton	XL3t	9/18/2012	60		0		159	6.04								
GFL020 09+25E	DIRT	Niton	XL3t	9/19/2012	60		9.96	5.2	134	5.62								
GFL020 09+50E	DIRT	Niton	XL3t	9/19/2012	60		12.29	5.42	146	5.88								
GFL020 09+75E	DIRT	Niton	XL3t	9/19/2012	60		16.03	5.68	103	5								
GFL020 10+00E	DIRT	Niton	XL3t	9/19/2012	60	4.87	7.28	4.7	104	4.83								
GFL020 10+25E	DIRT	Niton	XL3t	9/19/2012	60		14.72	5.51	63	3.98								

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
GFL020 10+50E	DIRT	Niton	XL3t	9/19/2012	60		11.12	5.14	84	4.47								
GFL020 10+75E	DIRT	Niton	XL3t	9/19/2012	60		13.14	5.17	116	5.18								
GFL020 11+00E	DIRT	Niton	XL3t	9/19/2012	60		10.42	5.13	110	5.07								
GFL020 11+25E	DIRT	Niton	XL3t	9/19/2012	60		10.61	5.12	174	6.3								
GFL020 11+50E	DIRT	Niton	XL3t	9/19/2012	60		15.79	5.59	133	5.58								
GFL020 11+75E	DIRT	Niton	XL3t	9/19/2012	60		0		184	6.58								
GFL020 12+00E	DIRT	Niton	XL3t	9/19/2012	60		9.11	5.08	182	6.46								
GFL020 12+25E	DIRT	Niton	XL3t	9/19/2012	60		9.49	5.2	176	6.43								
GFL020 12+50E	DIRT	Niton	XL3t	9/19/2012	60		9.17	4.92	64	3.93								
GFL020 12+75E	DIRT	Niton	XL3t	9/19/2012	60		13.32	5.32	185	6.45								
GFL020 13+00E	DIRT	Niton	XL3t	9/19/2012	60		7.99	5.04	208	6.91								
GFL020 13+25E	DIRT	Niton	XL3t	9/19/2012	60		11.1	5.26	153	5.93								
GFL020 13+50E	DIRT	Niton	XL3t	9/19/2012	60	5.29	13.14	5.33	150	5.87								
GFL020 13+75E	DIRT	Niton	XL3t	9/19/2012	60		11.39	5.52	165	6.43								
GFL020 14+00E	DIRT	Niton	XL3t	9/19/2012	60	5.19	0		91	4.62								
GFL020 14+25E	DIRT	Niton	XL3t	9/24/2012	60		8.76	5.2	168	6.35								
GFL020 14+50E	DIRT	Niton	XL3t	9/24/2012	60	5.23	16.9	5.77	82	4.5								
GFL020 14+75E	DIRT	Niton	XL3t	9/24/2012	60		14.26	5.48	147	5.86								
GFL020 15+00E	DIRT	Niton	XL3t	9/24/2012	60		0		83	4.49								
GFL020 15+25E	DIRT	Niton	XL3t	9/24/2012	60		15.14	5.65	126	5.5								
GFL020 15+50E	DIRT	Niton	XL3t	9/24/2012	60		13.56	5.52	163	6.2								
GFL020 15+75E	DIRT	Niton	XL3t	9/24/2012	60		12.55	5.43	162	6.21								
GFL020 16+00E	DIRT	Niton	XL3t	9/24/2012	60	5.56	14.59	5.72	121	5.47								
GFL020 16+25E	DIRT	Niton	XL3t	9/24/2012	60	5.5	12.87	5.49	157	6.2								
GFL020 16+50E	DIRT	Niton	XL3t	9/24/2012	60		9.05	5.14	69	4.17								
GFL020 16+75E	DIRT	Niton	XL3t	9/24/2012	60		11.01	5.21	80	4.38								
GFL020 17+00E	DIRT	Niton	XL3t	9/24/2012	60	5.41	8.28	5.07	185	6.56								
GFL020 17+25E	DIRT	Niton	XL3t	9/24/2012	60		7.77	5.12	147	5.77								
GFL020 17+50E	DIRT	Niton	XL3t	9/24/2012	60		9.73	5.08	137	5.69								
GFL020 17+75E	DIRT	Niton	XL3t	9/24/2012	60		10.54	5.22	122	5.37								
GFL020 18+00E	DIRT	Niton	XL3t	9/24/2012	60		7.79	5.15	206	7.03								
GFL020 18+25E	DIRT	Niton	XL3t	9/19/2012	60		9.85	5.08	155	5.98								
GFL020 18+50E	DIRT	Niton	XL3t	9/19/2012	60		0		149	5.83								
GFL020 18+75E	DIRT	Niton	XL3t	9/19/2012	60		0		185	6.56								
GFL020 19+00E	DIRT	Niton	XL3t	9/19/2012	60		14.4	5.58	153	6.01								
GFL020 19+25E	DIRT	Niton	XL3t	9/19/2012	60		14.59	5.57	123	5.34								
GFL020 19+50E	DIRT	Niton	XL3t	9/19/2012	60		0		139	5.68								
GFL020 19+75E	DIRT	Niton	XL3t	9/19/2012	60		8.1	5.11	196	6.8								
GFL020 20+00E	DIRT	Niton	XL3t	9/19/2012	60		0		137	5.77								
GFL020 20+25E	DIRT	Niton	XL3t	9/19/2012	60		11.33	5.66	107	5.12								
GFL020 20+50E	DIRT	Niton	XL3t	9/19/2012	60		9.72	5.23	106	5								
GFL020 20+75E	DIRT	Niton	XL3t	9/19/2012	60		0		107	5.09								
GFL020 21+00E	DIRT	Niton	XL3t	9/19/2012	60		12.12	5.49	141	5.83								
GFL020 21+25E	DIRT	Niton	XL3t	9/19/2012	60	5.53	11.61	5.39	128	5.55								
GFL020 21+50E	DIRT	Niton	XL3t	9/19/2012	60		0		165	6.14								

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
GFL020 21+75E	DIRT	Niton	XL3t	9/19/2012	60		11.81	5.38	154	6.03								
GFL020 22+00E	DIRT	Niton	XL3t	9/19/2012	60		9.48	5.04	172	6.31								
GFL020 22+25E	DIRT	Niton	XL3t	9/23/2012	60		9.95	5.29	135	5.64								
GFL020 22+50E	DIRT	Niton	XL3t	9/23/2012	60		10.73	5.45	110	5.16								
GFL020 22+75E	DIRT	Niton	XL3t	9/23/2012	60		16.24	5.64	139	5.71								
GFL020 23+00E	DIRT	Niton	XL3t	9/23/2012	60		0		134	5.69								
GFL020 23+25E	DIRT	Niton	XL3t	9/23/2012	60		9.69	5.39	124	5.52								
GFL020 23+50E	DIRT	Niton	XL3t	9/23/2012	60		12.42	5.65	139	5.84								
GFL020 23+75E	DIRT	Niton	XL3t	9/23/2012	60		10.56	5.29	115	5.22								
GFL020 24+00E	DIRT	Niton	XL3t	9/23/2012	60		10.33	5.42	135	5.66								
GFL020 24+25E	DIRT	Niton	XL3t	9/23/2012	60	5.79	10.04	5.3	116	5.25								
GFL020 24+50E	DIRT	Niton	XL3t	9/23/2012	60	6.1	15.43	5.91	133	5.72								
GFL020 24+75E	DIRT	Niton	XL3t	9/23/2012	60		15.95	5.87	138	5.74								
GFL020 25+00E	DIRT	Niton	XL3t	9/23/2012	60		12.4	5.62	112	5.23								
GFL020 25+25E	DIRT	Niton	XL3t	9/23/2012	60		12.67	5.36	88	4.54								
GFL020 25+50E	DIRT	Niton	XL3t	9/23/2012	60	5.15	10.04	5.16	109	5.03								
GFL020 25+75E	DIRT	Niton	XL3t	9/23/2012	60		9.53	5.25	102	4.91								
GFL020 26+00E	DIRT	Niton	XL3t	9/23/2012	60		9.29	5.11	87	4.51								
GFL020 26+25E	DIRT	Niton	XL3t	9/20/2012	60		10.88	5.33	86	4.59								
GFL020 26+50E	DIRT	Niton	XL3t	9/20/2012	60		0		105	4.95								
GFL020 26+75E	DIRT	Niton	XL3t	9/20/2012	60		12.66	5.34	156	6.04								
GFL020 27+00E	DIRT	Niton	XL3t	9/20/2012	60		7.48	4.94	154	5.97								
GFL020 27+25E	DIRT	Niton	XL3t	9/20/2012	60		8.39	5.1	128	5.52								
GFL020 27+50E	DIRT	Niton	XL3t	9/20/2012	60		16.56	5.76	144	5.84								
GFL020 27+75E	DIRT	Niton	XL3t	9/20/2012	60		12.82	5.54	160	6.19								
GFL020 28+00E	DIRT	Niton	XL3t	9/20/2012	60		9.22	5.09	101	4.84								
GFL020 28+25E	DIRT	Niton	XL3t	9/20/2012	60		12.98	5.55	136	5.67								
GFL020 28+50E	DIRT	Niton	XL3t	9/20/2012	60		9.48	5.34	83	4.57								
GFL020 28+75E	DIRT	Niton	XL3t	9/20/2012	60		11.08	5.39	86	4.59								
GFL020 29+00E	DIRT	Niton	XL3t	9/20/2012	60		15.54	5.83	157	6.11								
GFL020 29+25E	DIRT	Niton	XL3t	9/20/2012	60		12.21	5.45	122	5.36								
GFL020 29+50E	DIRT	Niton	XL3t	9/20/2012	60	5.99	11.99	5.44	147	5.89								
GFL020 29+75E	DIRT	Niton	XL3t	9/20/2012	60		0		132	5.55								
GFL020 30+00E	DIRT	Niton	XL3t	9/20/2012	60		7.99	5.19	132	5.55								
GFL020 30+25E	DIRT	Niton	XL3t	9/21/2012	60		11.53	5.31	96	4.79								
GFL020 30+50E	DIRT	Niton	XL3t	9/21/2012	60		10.69	5.28	127	5.45								
GFL020 30+75E	DIRT	Niton	XL3t	9/21/2012	60	6.04	8.94	5.3	115	5.3								
GFL020 31+00E	DIRT	Niton	XL3t	9/21/2012	60		11.47	5.44	107	5.07								
GFL020 31+25E	DIRT	Niton	XL3t	9/21/2012	60		10.11	5.11	87	4.54								
GFL020 31+50E	DIRT	Niton	XL3t	9/21/2012	60	5.2	11.73	5.23	145	5.78								
GFL020 31+75E	DIRT	Niton	XL3t	9/21/2012	60		0		128	5.44								
GFL020 32+00E	DIRT	Niton	XL3t	9/21/2012	60	5.33	12.45	5.25	116	5.18								
GFL020 32+25E	DIRT	Niton	XL3t	9/21/2012	60		11.07	5.31	138	5.73								
GFL020 32+50E	DIRT	Niton	XL3t	9/21/2012	60		12.42	5.26	77	4.27								
GFL020 32+75E	DIRT	Niton	XL3t	9/21/2012	60	5.73	12.26	5.44	122	5.42								

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
GFL020 33+00E	DIRT	Niton	XL3t	9/21/2012	60		13.96	5.64	120	5.37								
GFL020 33+25E	DIRT	Niton	XL3t	9/21/2012	60		9.71	5.18	112	5.13								
GFL020 33+50E	DIRT	Niton	XL3t	9/21/2012	60	6.19	14.7	5.7	109	5.19								
GFL020 33+75E	DIRT	Niton	XL3t	9/21/2012	60	6.53	17.67	5.96	93	4.84								
GFL020 34+00E	DIRT	Niton	XL3t	9/21/2012	60	5.85	10.39	5.19	155	6.05								
GFL020 34+25E	DIRT	Niton	XL3t	9/25/2012	60	6.52	18.36	5.96	116	5.34								
GFL020 34+50E	DIRT	Niton	XL3t	9/25/2012	60		10.42	5.18	171	6.36								
GFL020 34+75E	DIRT	Niton	XL3t	9/25/2012	60		8.73	5.26	177	6.61								
GFL020 35+00E	DIRT	Niton	XL3t	9/25/2012	60		22.37	6.19	167	6.39								
GFL020 35+25E	DIRT	Niton	XL3t	9/25/2012	60		11.31	5.38	147	5.95								
GFL020 35+50E	DIRT	Niton	XL3t	9/25/2012	60		10.92	5.18	130	5.44								
GFL020 35+75E	DIRT	Niton	XL3t	9/25/2012	60		0		134	5.59								
GFL020 36+00E	DIRT	Niton	XL3t	9/25/2012	60	4.86	0		123	5.32								
GFL021 00+00	DIRT	Niton	XL3t	9/17/2012	60		13.63	5.47	62	4.02								
GFL021 00+25W	DIRT	Niton	XL3t	9/17/2012	60		0		74	4.18								
GFL021 00+50W	DIRT	Niton	XL3t	9/17/2012	60		14.2	5.53	132	5.58								
GFL021 00+75W	DIRT	Niton	XL3t	9/17/2012	60		12.96	5.3	118	5.24								
GFL021 01+00W	DIRT	Niton	XL3t	9/17/2012	60		10.77	5.15	121	5.28								
GFL021 01+25W	DIRT	Niton	XL3t	9/17/2012	60	5.33	12.62	5.19	105	4.93								
GFL021 01+50W	DIRT	Niton	XL3t	9/17/2012	60	6.1	15.04	5.64	122	5.44								
GFL021 01+75W	DIRT	Niton	XL3t	9/17/2012	60		13.09	5.34	96	4.76								
GFL021 02+00W	DIRT	Niton	XL3t	9/17/2012	60		0		147	6.04								
GFL021 02+25W	DIRT	Niton	XL3t	9/17/2012	60	5.31	8.64	5.1	153	6.06								
GFL021 02+50W	DIRT	Niton	XL3t	9/17/2012	60	6.12	11.55	5.21	116	5.24								
GFL021 02+75W	DIRT	Niton	XL3t	9/17/2012	60		7.97	4.97	111	5.12								
GFL021 03+00W	DIRT	Niton	XL3t	9/17/2012	60		9.21	4.88	72	4.1								
GFL021 03+25W	DIRT	Niton	XL3t	9/17/2012	60		9.95	5.22	141	5.77								
GFL021 03+50W	DIRT	Niton	XL3t	9/17/2012	60		11.35	5.05	93	4.64								
GFL021 03+75W	DIRT	Niton	XL3t	9/17/2012	60		0		59	3.79								
GFL021 04+00W	DIRT	Niton	XL3t	9/17/2012	60		0		104	4.97								
GFL021 04+25W	DIRT	Niton	XL3t	9/17/2012	60		8.74	5.11	145	5.85								
GFL021 04+50E	DIRT	Niton	XL3t	9/24/2012	60		0		138	5.71								
GFL021 04+75W	DIRT	Niton	XL3t	9/24/2012	60	5.33	10.79	5.17	132	5.61								
GFL021 05+00W	DIRT	Niton	XL3t	9/24/2012	60		9.13	5.13	136	5.68								
GFL021 05+25W	DIRT	Niton	XL3t	9/24/2012	60		8.18	5.03	161	6.07								
GFL021 05+50W	DIRT	Niton	XL3t	9/24/2012	60	5.37	0		158	6.05								
GFL021 05+75W	DIRT	Niton	XL3t	9/24/2012	60		16.75	5.74	149	5.91								
GFL021 06+00W	DIRT	Niton	XL3t	9/24/2012	60		7.52	4.96	81	4.38								
GFL021 06+25W	DIRT	Niton	XL3t	9/24/2012	60		13.17	5.57	141	5.79								
GFL021 06+50W	DIRT	Niton	XL3t	9/24/2012	60		13.1	5.28	73	4.19								
GFL021 06+75W	DIRT	Niton	XL3t	9/24/2012	60		0		66	3.98								
GFL021 07+00W	DIRT	Niton	XL3t	9/24/2012	60		10.91	5.31	117	5.25								
GFL021 07+25W	DIRT	Niton	XL3t	9/24/2012	60		0		169	6.22								
GFL021 07+50W	DIRT	Niton	XL3t	9/24/2012	60		15.19	5.61	89	4.62								
GFL021 07+75W	DIRT	Niton	XL3t	9/24/2012	60		0		110	5.18								

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
GFL021 08+00W	DIRT	Niton	XL3t	9/24/2012	60		0		108	5.02								
GFL021 08+25W	DIRT	Niton	XL3t	9/23/2012	60		8.41	5.12	129	5.58								
GFL021 08+50W	DIRT	Niton	XL3t	9/23/2012	60		11.75	5.59	110	5.22								
GFL021 08+75W	DIRT	Niton	XL3t	9/23/2012	60		11.8	5.32	59	3.84								
GFL021 09+00W	DIRT	Niton	XL3t	9/23/2012	60		8.99	5.51	124	5.67								
GFL021 09+25W	DIRT	Niton	XL3t	9/23/2012	60	5.23	17.23	5.73	107	5.06								
GFL021 09+50W	DIRT	Niton	XL3t	9/23/2012	60		10.03	5.13	116	5.19								
GFL021 09+75W	DIRT	Niton	XL3t	9/23/2012	60		10.76	5.39	106	5.06								
GFL021 10+00W	DIRT	Niton	XL3t	9/23/2012	60	6.3	16.37	6.08	129	5.77								
GFL021 10+25W	DIRT	Niton	XL3t	9/23/2012	60		21.63	6.36	109	5.27								
GFL021 10+50W	DIRT	Niton	XL3t	9/23/2012	60	5.76	17.21	5.89	119	5.43								
GFL021 10+75W	DIRT	Niton	XL3t	9/23/2012	60		12.7	5.53	126	5.55								
GFL021 11+00W	DIRT	Niton	XL3t	9/23/2012	60		11.91	5.41	137	5.69								
GFL021 11+25W	DIRT	Niton	XL3t	9/18/2012	60		9.37	5.21	168	6.45								
GFL021 11+50W	DIRT	Niton	XL3t	9/18/2012	60	5.35	11.95	5.42	95	4.8								
GFL021 11+75W	DIRT	Niton	XL3t	9/18/2012	60		7.99	4.95	126	5.44								
GFL021 12+00W	DIRT	Niton	XL3t	9/18/2012	60	5.57	12.61	5.42	127	5.49								
GFL021 12+25W	DIRT	Niton	XL3t	9/18/2012	60		9.27	5.21	139	5.71								
GFL021 12+50W	DIRT	Niton	XL3t	9/18/2012	60		14.13	5.72	159	6.32								
GFL021 12+75W	DIRT	Niton	XL3t	9/18/2012	60		11.19	5.37	169	6.36								
GFL021 13+00W	DIRT	Niton	XL3t	9/18/2012	60		9.69	5.37	164	6.32								
GFL021 13+25W	DIRT	Niton	XL3t	9/18/2012	60		11.63	5.49	105	5.05								
GFL021 13+50W	DIRT	Niton	XL3t	9/18/2012	60		10.59	5.23	86	4.54								
GFL021 13+75W	DIRT	Niton	XL3t	9/18/2012	60		14.02	5.83	113	5.36								
GFL021 14+00W	DIRT	Niton	XL3t	9/18/2012	60		0		85	4.62								
GFL021 14+25W	DIRT	Niton	XL3t	9/18/2012	60	5.15	11.36	5.18	103	4.95								
GFL021 14+50W	DIRT	Niton	XL3t	9/18/2012	60	5.47	10.33	5.21	134	5.69								
GFL021 14+75W	DIRT	Niton	XL3t	9/18/2012	60		0		117	5.35								
GFL021 15+00W	DIRT	Niton	XL3t	9/18/2012	60		7.75	5.02	79	4.45								
GFL021 15+25W	DIRT	Niton	XL3t	9/18/2012	60		8.63	5.01	86	4.59								
GFL021 15+50W	DIRT	Niton	XL3t	9/18/2012	60		0		175	6.44								
GFL021 15+75W	DIRT	Niton	XL3t	9/18/2012	60		11.85	5.43	150	6								
GFL021 16+00W	DIRT	Niton	XL3t	9/18/2012	60		0		140	5.89								
GFL021 16+25W	DIRT	Niton	XL3t	9/18/2012	60		8.83	5.32	128	5.66								
GFL021 16+50W	DIRT	Niton	XL3t	9/18/2012	60		18.37	6.08	131	5.73								
GFL021 16+75W	DIRT	Niton	XL3t	9/18/2012	60		14.64	5.68	145	5.97								
GFL021 17+00W	DIRT	Niton	XL3t	9/18/2012	60		12.21	5.35	95	4.81								
GFL021 17+25W	DIRT	Niton	XL3t	9/18/2012	60		0		118	5.23								
GFL021 17+50W	DIRT	Niton	XL3t	9/18/2012	60		10.92	5.28	87	4.65								
GFL021 17+75W	DIRT	Niton	XL3t	9/18/2012	60		11.31	5.29	107	5.05								
GFL021 18+00W	DIRT	Niton	XL3t	9/18/2012	60	5.2	0		112	5.12								
GFL021 18+25W	DIRT	Niton	XL3t	9/12/2012	60		0		100	4.74								
GFL021 18+50W	DIRT	Niton	XL3t	9/12/2012	60		7.92	5.04	105	5								
GFL021 18+75W	DIRT	Niton	XL3t	9/12/2012	60	5.19	10.76	5.07	152	5.9								
GFL021 19+00W	DIRT	Niton	XL3t	9/12/2012	60		0		166	6.27								

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
GFL021 19+25W	DIRT	Niton	XL3t	9/12/2012	60		12.56	5.32	126	5.39								
GFL021 19+50W	DIRT	Niton	XL3t	9/12/2012	60		8.77	4.71	59	3.73								
GFL021 19+75W	DIRT	Niton	XL3t	9/12/2012	60		13.91	5.55	141	5.92								
GFL021 20+00W	DIRT	Niton	XL3t	9/12/2012	60		0		121	5.31								
GFL021 20+25W	DIRT	Niton	XL3t	9/13/2012	60		12.67	5.53	130	5.65								
GFL021 20+50W	DIRT	Niton	XL3t	9/13/2012	60		8.83	5.04	162	6.19								
GFL021 20+75W	DIRT	Niton	XL3t	9/13/2012	60		8.85	5.12	147	5.97								
GFL021 21+00W	DIRT	Niton	XL3t	9/13/2012	60		16.34	5.58	113	5.13								
GFL021 21+25W	DIRT	Niton	XL3t	9/13/2012	60		9.51	5.06	90	4.73								
GFL021 21+50W	DIRT	Niton	XL3t	9/13/2012	60		8.13	5.04	107	5.06								
GFL021 21+75W	DIRT	Niton	XL3t	9/13/2012	60		7.54	4.95	212	7.02								
GFL021 22+00W	DIRT	Niton	XL3t	9/13/2012	60		0		213	7.31								
GFL021 22+25W	DIRT	Niton	XL3t	9/20/2012	60		11.01	5.31	168	6.29								
GFL021 22+50W	DIRT	Niton	XL3t	9/20/2012	60	5.14	13.11	5.32	190	6.65								
GFL021 22+75W	DIRT	Niton	XL3t	9/20/2012	60		8.97	5.2	113	5.23								
GFL021 23+00W	DIRT	Niton	XL3t	9/20/2012	60		0		183	6.48								
GFL021 23+25W	DIRT	Niton	XL3t	9/20/2012	60		14.09	5.62	210	7.07								
GFL021 23+50W	DIRT	Niton	XL3t	9/20/2012	60		12.6	5.37	189	6.58								
GFL021 23+75W	DIRT	Niton	XL3t	9/20/2012	60		12.07	5.49	199	6.93								
GFL021 24+00W	DIRT	Niton	XL3t	9/20/2012	60		14.87	5.44	135	5.58								
GFL021 24+25W	DIRT	Niton	XL3t	9/20/2012	60		8.78	5.16	141	5.84								
GFL021 24+50W	DIRT	Niton	XL3t	9/20/2012	60		10.13	5.21	175	6.43								
GFL021 24+75W	DIRT	Niton	XL3t	9/20/2012	60		8.29	5.05	157	6.03								
GFL021 25+00W	DIRT	Niton	XL3t	9/20/2012	60		8.54	5.02	124	5.38								
GFL021 25+25W	DIRT	Niton	XL3t	9/13/2012	60		19.06	5.98	149	5.97								
GFL021 25+50W	DIRT	Niton	XL3t	9/13/2012	60		0		156	6.01								
GFL021 25+75W	DIRT	Niton	XL3t	9/13/2012	60		0		158	6.07								
GFL021 26+00W	DIRT	Niton	XL3t	9/13/2012	60		10.46	5.18	168	6.24								
GFL021 26+25W	DIRT	Niton	XL3t	9/13/2012	60		7.56	5.01	183	6.5								
GFL021 26+50W	DIRT	Niton	XL3t	9/13/2012	60		16.35	5.57	152	5.9								
GFL021 26+75W	DIRT	Niton	XL3t	9/13/2012	60		11.7	5.12	120	5.23								
GFL021 27+00W	DIRT	Niton	XL3t	9/13/2012	60		14.6	5.37	175	6.29								
GFL021 27+25W	DIRT	Niton	XL3t	9/13/2012	60		0		147	5.82								
GFL021 27+50W	DIRT	Niton	XL3t	9/13/2012	60		0		156	5.94								
GFL021 27+75W	DIRT	Niton	XL3t	9/25/2012	60		11.03	5.23	203	6.85								
GFL021 28+00W	DIRT	Niton	XL3t	9/25/2012	60	5.13	14.25	5.3	136	5.57								
GFL021 28+25W	DIRT	Niton	XL3t	9/25/2012	60		8.29	5.11	136	5.67								
GFL021 28+50W	DIRT	Niton	XL3t	9/25/2012	60		10.69	5.1	188	6.57								
GFL021 28+75W	DIRT	Niton	XL3t	9/25/2012	60		9.6	5.14	161	6.09								
GFL021 29+00W	DIRT	Niton	XL3t	9/25/2012	60		15.5	5.99	149	6.03								
GFL021 29+25W	DIRT	Niton	XL3t	9/25/2012	60		10.14	5.41	142	5.91								
GFL021 29+50W	DIRT	Niton	XL3t	9/18/2012	60		11.86	5.27	186	6.61								
GFL021 29+75W	DIRT	Niton	XL3t	9/18/2012	60		11.73	5.27	158	6.1								
GFL021 30+00W	DIRT	Niton	XL3t	9/18/2012	60		12.48	5.39	142	5.85								
GFL021 30+25W	DIRT	Niton	XL3t	9/18/2012	60		0		128	5.58								

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
GFL021 30+50W	DIRT	Niton	XL3t	9/18/2012	60		13.98	5.58	86	4.65								
GFL021 30+75W	DIRT	Niton	XL3t	9/18/2012	60		11.91	5.34	127	5.52								
GFL021 31+00W	DIRT	Niton	XL3t	9/18/2012	60		8.77	4.95	91	4.63								
GFL021 31+25W	DIRT	Niton	XL3t	9/18/2012	60	6.03	12.56	5.4	143	5.81								
GFL021 31+50W	DIRT	Niton	XL3t	9/18/2012	60		12.96	5.33	97	4.81								
GFL021 31+75W	DIRT	Niton	XL3t	9/18/2012	60	6.19	7.73	5.02	122	5.39								
GFL021 32+00W	DIRT	Niton	XL3t	9/18/2012	60		14.71	5.56	155	5.97								
GFL021 32+25W	DIRT	Niton	XL3t	9/18/2012	60	5.76	8.04	4.95	139	5.64								
GFL022 00+00	DIRT	Niton	XL3t	9/24/2012	60		10.34	5.04	144	5.73								
GFL022 00+25E	DIRT	Niton	XL3t	9/24/2012	60		8.59	4.88	138	5.55								
GFL022 00+50E	DIRT	Niton	XL3t	9/24/2012	60		13.26	5.2	115	5.11								
GFL022 00+75E	DIRT	Niton	XL3t	9/24/2012	60	5.11	11.88	5.27	81	4.46								
GFL022 01+00E	DIRT	Niton	XL3t	9/24/2012	60		23.53	6.64	101	5.08								
GFL022 01+25E	DIRT	Niton	XL3t	9/24/2012	60		18.34	6.4	126	5.68								
GFL022 01+75E	DIRT	Niton	XL3t	9/24/2012	60		8.73	5.09	105	4.97								
GFL022 02+00E	DIRT	Niton	XL3t	9/24/2012	60		11.92	5.53	113	5.2								
GFL022 02+25E	DIRT	Niton	XL3t	9/24/2012	60		22.88	6.21	133	5.6								
GFL022 02+50E	DIRT	Niton	XL3t	9/24/2012	60	6.33	10.42	5.26	129	5.44								
GFL022 02+75E	DIRT	Niton	XL3t	9/24/2012	60		12.57	5.43	120	5.31								
GFL022 03+00E	DIRT	Niton	XL3t	9/24/2012	60		11.68	5.34	120	5.27								
GFL022 03+25E	DIRT	Niton	XL3t	9/24/2012	60		12.95	5.4	137	5.59								
GFL022 03+50E	DIRT	Niton	XL3t	9/24/2012	60		8.13	5.05	130	5.46								
GFL022 03+75E	DIRT	Niton	XL3t	9/24/2012	60		11.9	5.38	87	4.58								
GFL022 04+00E	DIRT	Niton	XL3t	9/24/2012	60		16.72	6.05	103	5.04								
GFL022 04+25E	DIRT	Niton	XL3t	9/18/2012	60	8.35	21.18	6.58	93	4.88								
GFL022 04+50E	DIRT	Niton	XL3t	9/18/2012	60	7.56	17.06	6.13	177	6.55								
GFL022 04+75E	DIRT	Niton	XL3t	9/18/2012	60	8.09	18.29	6.44	95	5.03								
GFL022 05+00E	DIRT	Niton	XL3t	9/18/2012	60	6.21	21.23	6.04	200	6.85								
GFL022 05+25E	DIRT	Niton	XL3t	9/18/2012	60	6.89	20.42	6.47	117	5.58								
GFL022 05+50E	DIRT	Niton	XL3t	9/18/2012	60		12.9	5.38	131	5.54								
GFL022 05+75E	DIRT	Niton	XL3t	9/18/2012	60	8.69	23.19	6.83	163	6.35								
GFL022 06+00E	DIRT	Niton	XL3t	9/18/2012	60	7.09	16.44	6.08	154	6.16								
GFL022 06+25E	DIRT	Niton	XL3t	9/18/2012	60		12.59	5.57	89	4.68								
GFL022 06+50E	DIRT	Niton	XL3t	9/18/2012	60		0		171	6.34								
GFL022 06+75E	DIRT	Niton	XL3t	9/18/2012	60		13.57	5.53	137	5.67								
GFL022 07+00E	DIRT	Niton	XL3t	9/18/2012	60	6.16	8.14	5.09	124	5.37								
GFL022 07+25E	DIRT	Niton	XL3t	9/18/2012	60	6.04	16.07	5.7	116	5.26								
GFL022 07+50E	DIRT	Niton	XL3t	9/18/2012	60		8.53	5.1	121	5.28								
GFL022 07+75E	DIRT	Niton	XL3t	9/18/2012	60		11.85	5.48	127	5.45								
GFL022 08+00E	DIRT	Niton	XL3t	9/18/2012	60		9.88	5.1	85	4.48								
GFL022 08+25E	DIRT	Niton	XL3t	9/22/2012	60		11.98	5.3	97	4.73								
GFL022 08+50E	DIRT	Niton	XL3t	9/22/2012	60	5.83	17.36	5.6	121	5.24								
GFL022 08+75E	DIRT	Niton	XL3t	9/22/2012	0		0		0									
GFL022 08+75E	DIRT	Niton	XL3t	9/22/2012	60		11.61	5.33	159	6.08								
GFL022 09+00E	DIRT	Niton	XL3t	9/22/2012	60	6.56	12.78	5.56	137	5.63								

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
GFL022 09+25E	DIRT	Niton	XL3t	9/22/2012	60	5.36	0		135	5.55								
GFL022 09+50E	DIRT	Niton	XL3t	9/22/2012	60		11.74	5.25	151	5.87								
GFL022 09+75E	DIRT	Niton	XL3t	9/22/2012	60		7.26	4.82	138	5.58								
GFL022 10+00E	DIRT	Niton	XL3t	9/22/2012	60		0		159	5.98								
GFL022 10+25E	DIRT	Niton	XL3t	9/22/2012	60		0		111	5.07								
GFL022 10+50E	DIRT	Niton	XL3t	9/22/2012	60		8.5	5.24	170	6.34								
GFL022 10+75E	DIRT	Niton	XL3t	9/22/2012	60		11.27	5.2	165	6.08								
GFL022 11+00E	DIRT	Niton	XL3t	9/22/2012	60	5.91	15.4	5.53	177	6.36								
GFL022 11+25E	DIRT	Niton	XL3t	9/20/2012	60	6.28	12.23	5.36	226	7.18								
GFL022 11+50E	DIRT	Niton	XL3t	9/20/2012	60		8.8	5.18	109	5.09								
GFL022 11+75E	DIRT	Niton	XL3t	9/20/2012	60	8.1	12.38	5.66	217	7.1								
GFL022 12+00E	DIRT	Niton	XL3t	9/20/2012	60	9.83	20.01	6.34	143	5.87								
GFL022 12+25E	DIRT	Niton	XL3t	9/20/2012	60	7.67	14.77	5.76	167	6.26								
GFL022 12+50E	DIRT	Niton	XL3t	9/20/2012	60	6.78	13.32	5.5	146	5.84								
GFL022 12+75E	DIRT	Niton	XL3t	9/20/2012	60	6.73	16.32	5.63	139	5.71								
GFL022 13+00E	DIRT	Niton	XL3t	9/20/2012	60	7.87	14.8	5.74	180	6.48								
GFL022 13+25E	DIRT	Niton	XL3t	9/20/2012	60	6.3	13.5	5.42	158	6.02								
GFL022 13+50E	DIRT	Niton	XL3t	9/20/2012	60	7.77	13.96	5.88	137	5.78								
GFL022 13+75E	DIRT	Niton	XL3t	9/20/2012	60	6.12	10.76	5.26	163	6.19								
GFL022 14+00E	DIRT	Niton	XL3t	9/20/2012	60		10.76	5.4	151	5.98								
GFL022 14+25E	DIRT	Niton	XL3t	9/20/2012	60	8.65	23.25	6.69	142	5.96								
GFL022 14+50E	DIRT	Niton	XL3t	9/20/2012	60	6.85	15.93	5.9	235	7.59								
GFL022 14+75E	DIRT	Niton	XL3t	9/20/2012	60	6.28	9.8	5.16	269	7.89								
GFL022 15+00E	DIRT	Niton	XL3t	9/20/2012	60	7.59	19.61	6.35	179	6.66								
GFL022 15+25E	DIRT	Niton	XL3t	9/23/2012	60	6.16	14.55	5.55	122	5.35								
GFL022 15+50E	DIRT	Niton	XL3t	9/23/2012	60		0		139	5.67								
GFL022 15+75E	DIRT	Niton	XL3t	9/23/2012	60		12.5	5.47	172	6.28								
GFL022 16+00E	DIRT	Niton	XL3t	9/23/2012	60	5.62	16.87	5.65	173	6.27								
GFL022 16+50E	DIRT	Niton	XL3t	9/23/2012	60	6.39	12.26	5.62	110	5.17								
GFL022 16+75E	DIRT	Niton	XL3t	9/23/2012	60	6.78	11.9	5.53	145	5.87								
GFL022 17+00E	DIRT	Niton	XL3t	9/23/2012	60		10.91	5.23	145	5.71								
GFL022 17+25E	DIRT	Niton	XL3t	9/23/2012	60		10.42	5.29	149	5.89								
GFL022 17+50E	DIRT	Niton	XL3t	9/23/2012	60		14.57	5.76	178	6.54								
GFL022 17+75E	DIRT	Niton	XL3t	9/23/2012	60		0		291	8.31								
GFL022 18+00E	DIRT	Niton	XL3t	9/23/2012	60		8.89	5.25	274	8.01								
GFL022 18+25E	DIRT	Niton	XL3t	9/23/2012	60	6.52	8.75	5.26	164	6.22								
GFL022 18+50E	DIRT	Niton	XL3t	9/23/2012	60		22.14	6.08	114	5.17								
GFL022 18+75E	DIRT	Niton	XL3t	9/23/2012	60		9.8	5.04	120	5.22								
GFL022 19+00E	DIRT	Niton	XL3t	9/23/2012	60		15.47	5.57	161	6.11								
GFL022 19+25E	DIRT	Niton	XL3t	9/23/2012	60		14.24	5.44	226	7.15								
GFL022 19+50E	DIRT	Niton	XL3t	9/23/2012	60		18.3	5.93	169	6.32								
GFL022 19+75E	DIRT	Niton	XL3t	9/25/2012	60		19.03	5.95	111	5.13								
GFL022 20+00E	DIRT	Niton	XL3t	9/25/2012	60		9.11	5	120	5.27								
GFL022 20+25E	DIRT	Niton	XL3t	9/25/2012	60		12.84	5.47	143	5.78								
GFL022 20+50E	DIRT	Niton	XL3t	9/25/2012	60		10.98	5.19	178	6.46								

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
GFL022 20+75E	DIRT	Niton	XL3t	9/25/2012	60		7.41	4.81	74	4.18								
GFL022 21+00E	DIRT	Niton	XL3t	9/25/2012	60		0		118	5.16								
GFL022 21+25E	DIRT	Niton	XL3t	9/25/2012	60		0		58	3.73								
GFL022 21+50E	DIRT	Niton	XL3t	9/25/2012	60		12.54	5.26	157	5.99								
GFL022 21+75E	DIRT	Niton	XL3t	9/25/2012	60		10.15	5.08	154	5.93								
GFL022 22+00E	DIRT	Niton	XL3t	9/25/2012	60	4.9	7.62	4.82	145	5.76								
GFL022 22+25E	DIRT	Niton	XL3t	9/12/2012	60		8.61	4.84	117	5.13								
GFL022 22+50E	DIRT	Niton	XL3t	9/12/2012	60	4.74	10.66	4.96	126	5.33								
GFL022 22+75E	DIRT	Niton	XL3t	9/12/2012	60		0		152	5.93								
GFL022 23+00E	DIRT	Niton	XL3t	9/12/2012	60		9.37	5.09	145	5.88								
GFL022 23+25E	DIRT	Niton	XL3t	9/12/2012	60		9.77	4.96	80	4.35								
GFL022 23+50E	DIRT	Niton	XL3t	9/12/2012	60		8.49	5	178	6.4								
GFL022 23+75E	DIRT	Niton	XL3t	9/12/2012	60		11.27	5.14	143	5.74								
GFL022 24+00E	DIRT	Niton	XL3t	9/12/2012	60		16.64	5.58	114	5.16								
GFL022 24+25E	DIRT	Niton	XL3t	9/12/2012	60		9.74	5.13	143	5.79								
GFL022 24+50E	DIRT	Niton	XL3t	9/12/2012	60		8.74	4.93	115	5.16								
GFL022 24+75E	DIRT	Niton	XL3t	9/12/2012	60		11.64	5.21	118	5.27								
GFL022 25+00E	DIRT	Niton	XL3t	9/12/2012	60		14.45	5.44	113	5.17								
GFL022 25+25E	DIRT	Niton	XL3t	9/12/2012	60		14.36	5.52	93	4.79								
GFL022 25+50E	DIRT	Niton	XL3t	9/12/2012	60		10.45	5.15	107	5.02								
GFL022 25+75E	DIRT	Niton	XL3t	9/12/2012	60		15.33	5.48	121	5.31								
GFL022 26+00E	DIRT	Niton	XL3t	9/12/2012	60		17.52	5.86	156	6.1								
GFL022 26+25E	DIRT	Niton	XL3t	9/12/2012	60		8.4	4.93	115	5.19								
GFL022 26+50E	DIRT	Niton	XL3t	9/12/2012	60		11.38	5.02	97	4.74								
GFL022 26+75E	DIRT	Niton	XL3t	9/12/2012	60		10.54	5.05	99	4.78								
GFL023 00+00	DIRT	Niton	XL3t	9/18/2012	60		14.67	5.38	119	5.23								
GFL023 00+25W	DIRT	Niton	XL3t	9/18/2012	60		12.85	5.49	123	5.43								
GFL023 00+50W	DIRT	Niton	XL3t	9/18/2012	60		11.32	5.16	46	3.45								
GFL023 00+75W	DIRT	Niton	XL3t	9/18/2012	60		12.6	5.28	90	4.62								
GFL023 01+00W	DIRT	Niton	XL3t	9/18/2012	60		8.59	4.95	112	5.07								
GFL023 01+25W	DIRT	Niton	XL3t	9/18/2012	60		15.53	5.71	108	5.17								
GFL023 01+50W	DIRT	Niton	XL3t	9/18/2012	60		0		101	4.92								
GFL023 01+75W	DIRT	Niton	XL3t	9/18/2012	60		9.08	5.34	111	5.25								
GFL023 02+00W	DIRT	Niton	XL3t	9/18/2012	60		10.56	5.39	109	5.16								
GFL023 02+25W	DIRT	Niton	XL3t	9/18/2012	60		11.94	5.47	80	4.4								
GFL023 02+50W	DIRT	Niton	XL3t	9/18/2012	60		11.96	5.42	145	5.75								
GFL023 02+75W	DIRT	Niton	XL3t	9/18/2012	60		12.63	5.21	96	4.73								
GFL023 03+00W	DIRT	Niton	XL3t	9/18/2012	60		9.08	5.02	131	5.53								
GFL023 03+25W	DIRT	Niton	XL3t	9/18/2012	60		12.51	5.3	126	5.46								
GFL023 03+50W	DIRT	Niton	XL3t	9/18/2012	60		8.22	4.95	118	5.22								
GFL023 03+75W	DIRT	Niton	XL3t	9/18/2012	60		8.11	4.99	133	5.53								
GFL023 04+00W	DIRT	Niton	XL3t	9/18/2012	60		13.24	5.45	103	4.97								
GFL023 04+25W	DIRT	Niton	XL3t	9/18/2012	60		12.1	5.26	103	4.93								
GFL023 04+50W	DIRT	Niton	XL3t	9/18/2012	60		7.96	4.89	91	4.64								
GFL023 04+75W	DIRT	Niton	XL3t	9/18/2012	60	5.21	15.76	5.45	124	5.35								

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
GFL023 05+00W	DIRT	Niton	XL3t	9/18/2012	60		7.52	5	115	5.33								
GFL023 05+25W	DIRT	Niton	XL3t	9/18/2012	60		12.18	5.4	155	6.07								
GFL023 05+50W	DIRT	Niton	XL3t	9/18/2012	60	6.04	11.29	5.34	148	5.91								
GFL023 05+75W	DIRT	Niton	XL3t	9/18/2012	60		7.7	5.02	147	5.92								
GFL023 06+00W	DIRT	Niton	XL3t	9/18/2012	60	5.65	0		148	5.86								
GFL023 06+25W	DIRT	Niton	XL3t	9/18/2012	60		9.87	5	115	5.14								
GFL023 06+50W	DIRT	Niton	XL3t	9/18/2012	60		9.36	4.95	121	5.25								
GFL023 06+75W	DIRT	Niton	XL3t	9/18/2012	60		9.63	5.1	145	5.79								
GFL023 07+00W	DIRT	Niton	XL3t	9/18/2012	60		9.04	5	126	5.43								
GFL023 07+25W	DIRT	Niton	XL3t	9/18/2012	60		0		122	5.29								
GFL023 07+50W	DIRT	Niton	XL3t	9/18/2012	60		11.19	5.28	137	5.73								
GFL023 07+75W	DIRT	Niton	XL3t	9/18/2012	60		0		149	5.91								
GFL023 08+00W	DIRT	Niton	XL3t	9/18/2012	60		8.2	4.92	125	5.38								
GFL023 08+25W	DIRT	Niton	XL3t	9/18/2012	60		0		64	3.97								
GFL023 08+50W	DIRT	Niton	XL3t	9/18/2012	60		0		84	4.55								
GFL023 08+75W	DIRT	Niton	XL3t	9/18/2012	60		13.47	5.62	104	5.01								
GFL023 09+00W	DIRT	Niton	XL3t	9/18/2012	60		10.85	5.53	83	4.57								
GFL023 09+25W	DIRT	Niton	XL3t	9/22/2012	60		10.79	5.3	78	4.33								
GFL023 09+50W	DIRT	Niton	XL3t	9/22/2012	60		0		86	4.51								
GFL023 09+75W	DIRT	Niton	XL3t	9/22/2012	60		0		107	5.02								
GFL023 10+00E	DIRT	Niton	XL3t	9/22/2012	60		7.91	5.19	85	4.59								
GFL023 10+25E	DIRT	Niton	XL3t	9/22/2012	60	5.92	9.9	5.42	107	5.17								
GFL023 10+50W	DIRT	Niton	XL3t	9/22/2012	60	5.98	0		98	4.91								
GFL023 10+75W	DIRT	Niton	XL3t	9/22/2012	60		11.22	5.29	173	6.34								
GFL023 11+00W	DIRT	Niton	XL3t	9/22/2012	60		8.22	5.16	122	5.43								
GFL023 11+25W	DIRT	Niton	XL3t	9/22/2012	60	5.72	0		146	5.85								
GFL023 11+50W	DIRT	Niton	XL3t	9/22/2012	60		11.81	5.38	105	5.05								
GFL023 11+75E	DIRT	Niton	XL3t	9/22/2012	60		0		141	5.79								
GFL023 12+00W	DIRT	Niton	XL3t	9/22/2012	60		7.94	4.94	182	6.61								
GFL023 12+25W	DIRT	Niton	XL3t	9/22/2012	60		11.31	5.46	168	6.43								
GFL023 12+50W	DIRT	Niton	XL3t	9/22/2012	60		11.03	5.28	144	5.8								
GFL023 12+75W	DIRT	Niton	XL3t	9/22/2012	60	5.38	8.62	5	116	5.24								
GFL023 13+00W	DIRT	Niton	XL3t	9/22/2012	60		9	4.8	70	4.02								
GFL023 13+25W	DIRT	Niton	XL3t	9/22/2012	60		7.44	4.82	112	5.12								
GFL023 13+50W	DIRT	Niton	XL3t	9/22/2012	60		9.75	4.96	99	4.75								
GFL023 13+75W	DIRT	Niton	XL3t	9/22/2012	60		10.01	5.16	88	4.61								
GFL023 14+25W	DIRT	Niton	XL3t	9/22/2012	60		7.51	4.91	123	5.31								
GFL023 14+50W	DIRT	Niton	XL3t	9/22/2012	60		8.57	5.05	101	4.88								
GFL023 14+75W	DIRT	Niton	XL3t	9/22/2012	60		0		75	4.28								
GFL023 15+00W	DIRT	Niton	XL3t	9/22/2012	60		0		125	5.43								
GFL023 15+25W	DIRT	Niton	XL3t	9/22/2012	60		8.49	5.02	131	5.49								
GFL023 15+50W	DIRT	Niton	XL3t	9/22/2012	60		9.73	5.13	107	5.01								
GFL023 15+75W	DIRT	Niton	XL3t	9/22/2012	60		10.38	5.51	122	5.67								
GFL023 16+00W	DIRT	Niton	XL3t	9/22/2012	60		8.44	5.04	120	5.31								
GFL023 16+25W	ROCK	Niton	XL3t	9/25/2012	60		8.27	5.12	146	5.91								

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
GFL023 16+50W	ROCK	Niton	XL3t	9/25/2012	60		10.81	5.4	129	5.65								
GFL023 16+75W	ROCK	Niton	XL3t	9/25/2012	60		15.51	5.65	145	5.82								
GFL023 17+00W	ROCK	Niton	XL3t	9/25/2012	60		10.69	5.32	126	5.49								
GFL023 17+25W	ROCK	Niton	XL3t	9/25/2012	60		17.05	5.92	126	5.57								
GFL023 17+50W	ROCK	Niton	XL3t	9/25/2012	60		12.32	5.55	118	5.35								
GFL023 17+75W	ROCK	Niton	XL3t	9/25/2012	60		7.78	4.95	134	5.58								
GFL023 18+00W	ROCK	Niton	XL3t	9/25/2012	60		8.01	4.97	161	6.11								
GFL024 00+00	DIRT	Niton	XL3t	9/24/2012	60		8.85	5.07	142	5.77								
GFL024 00+25W	DIRT	Niton	XL3t	9/24/2012	60	5.43	7.83	4.87	165	6.13								
GFL024 00+50W	DIRT	Niton	XL3t	9/24/2012	60		0		160	6.04								
GFL024 00+75W	DIRT	Niton	XL3t	9/24/2012	60		9.51	5.09	143	5.77								
GFL024 01+00W	DIRT	Niton	XL3t	9/24/2012	60		0		165	6.32								
GFL024 01+25W	DIRT	Niton	XL3t	9/24/2012	60		12.79	5.42	168	6.29								
GFL024 01+50W	DIRT	Niton	XL3t	9/24/2012	60		9.05	5.14	162	6.29								
GFL024 01+75W	DIRT	Niton	XL3t	9/24/2012	60		12.55	5.19	98	4.8								
GFL024 02+00W	DIRT	Niton	XL3t	9/24/2012	60		11.75	5.19	107	5.02								
GFL024 02+25W	DIRT	Niton	XL3t	9/24/2012	60		14.2	5.4	124	5.44								
GFL024 02+50W	DIRT	Niton	XL3t	9/24/2012	60		11.78	5.3	112	5.18								
GFL024 02+75W	DIRT	Niton	XL3t	9/24/2012	60		9.95	5.09	123	5.4								
GFL024 03+00W	DIRT	Niton	XL3t	9/24/2012	60		8.27	5.03	97	4.84								
GFL024 03+25W	DIRT	Niton	XL3t	9/24/2012	60		7.46	4.92	91	4.68								
GFL024 03+50W	DIRT	Niton	XL3t	9/24/2012	60		8.64	5.21	96	4.99								
GFL024 03+75W	DIRT	Niton	XL3t	9/24/2012	60		12.98	5.38	124	5.44								
GFL024 04+00W	DIRT	Niton	XL3t	9/24/2012	60		0		162	6.07								
GFL024 04+25W	DIRT	Niton	XL3t	9/24/2012	60		9.51	5.31	138	5.81								
GFL024 04+50W	DIRT	Niton	XL3t	9/24/2012	60		11.11	5.24	136	5.59								
GFL024 04+75W	DIRT	Niton	XL3t	9/24/2012	60	5.81	11.09	5.44	149	6.1								
GFL024 05+00W	DIRT	Niton	XL3t	9/25/2012	60		10.44	5.12	215	7.04								
GFL024 05+25W	DIRT	Niton	XL3t	9/25/2012	60		9.28	5.07	139	5.69								
GFL024 05+50W	DIRT	Niton	XL3t	9/25/2012	60		10.83	5.17	176	6.27								
GFL024 05+75E	DIRT	Niton	XL3t	9/25/2012	60		10.91	5.16	89	4.58								
GFL024 06+00E	DIRT	Niton	XL3t	9/25/2012	60		10.62	5.25	150	5.99								
GFL024 06+25W	DIRT	Niton	XL3t	9/25/2012	60	6.1	11.14	5.32	114	5.24								
GFL024 06+50W	DIRT	Niton	XL3t	9/25/2012	60		10.27	5.11	119	5.26								
GFL024 06+75W	DIRT	Niton	XL3t	9/25/2012	60		8.65	5.21	128	5.62								
GFL024 07+00W	DIRT	Niton	XL3t	9/25/2012	60		8.54	5.06	117	5.27								
GFL024 07+25W	DIRT	Niton	XL3t	9/25/2012	60		12.31	5.25	115	5.22								
GFL024 07+50W	DIRT	Niton	XL3t	9/25/2012	60	5.2	10.05	5.08	134	5.62								
GFL024 07+75W	DIRT	Niton	XL3t	9/25/2012	60		10.27	5.2	136	5.67								
GFL024 08+00W	DIRT	Niton	XL3t	9/25/2012	60		9.81	5.21	121	5.41								
GFL024 08+25W	DIRT	Niton	XL3t	9/25/2012	60		11.92	5.41	127	5.54								
GFL024 08+50W	DIRT	Niton	XL3t	9/25/2012	60		8.52	5.01	111	5.1								
GFL024 08+75W	DIRT	Niton	XL3t	9/25/2012	60		7.83	5.21	150	5.99								
GFL024 09+00W	DIRT	Niton	XL3t	9/25/2012	60		11.11	5.24	150	5.88								
GFL024 09+25W	DIRT	Niton	XL3t	9/25/2012	60		10.44	5.18	167	6.22								

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
GFL024 09+50W	DIRT	Niton	XL3t	9/25/2012	60		10.97	5.28	142	5.82								
GFL024 09+75W	DIRT	Niton	XL3t	9/25/2012	60		0		96	4.74								
GFL024 10+00W	DIRT	Niton	XL3t	9/26/2012	60		9.78	5.19	150	6								
GFL024 10+25W	DIRT	Niton	XL3t	9/26/2012	60		12.8	5.42	104	5.06								
GFL024 10+50W	DIRT	Niton	XL3t	9/26/2012	60		13.17	5.61	135	5.8								
GFL024 10+75W	DIRT	Niton	XL3t	9/26/2012	60		7.89	5.17	92	4.7								
GFL024 11+00W	DIRT	Niton	XL3t	9/26/2012	60		8.97	5.14	103	4.98								
GFL024 11+25W	DIRT	Niton	XL3t	9/26/2012	60		16.02	5.74	137	5.77								
GFL024 11+50W	DIRT	Niton	XL3t	9/26/2012	60		12.48	5.48	96	4.82								
GFL024 11+75W	DIRT	Niton	XL3t	9/26/2012	60		11.84	5.31	77	4.31								
GFL024 12+00W	DIRT	Niton	XL3t	9/26/2012	60		15.25	5.62	95	4.79								
GFL024 12+25W	DIRT	Niton	XL3t	9/26/2012	60		11.37	5.34	86	4.58								
GFL024 12+50W	DIRT	Niton	XL3t	9/26/2012	60		11.79	5.38	87	4.59								
GFL024 12+75W	DIRT	Niton	XL3t	9/26/2012	60	6.83	16.64	5.78	99	4.92								
GFL024 13+00W	DIRT	Niton	XL3t	9/26/2012	60	6.58	13.58	5.44	108	5								
GFL024 13+25W	DIRT	Niton	XL3t	9/25/2012	60	5.83	14.26	5.49	123	5.4								
GFL024 13+50W	DIRT	Niton	XL3t	9/25/2012	60		14.82	5.95	114	5.34								
GFL024 13+75W	DIRT	Niton	XL3t	9/25/2012	60		14.41	5.52	103	4.91								
GFL024 14+00W	DIRT	Niton	XL3t	9/25/2012	60	5.22	13.38	5.42	102	4.93								
GFL024 14+25W	DIRT	Niton	XL3t	9/25/2012	60		11.08	5.33	134	5.59								
GFL024 14+50W	DIRT	Niton	XL3t	9/25/2012	60		7.77	4.88	160	6.03								
GFL024 14+75W	DIRT	Niton	XL3t	9/25/2012	60	5.25	11.15	5.19	166	6.2								
GFL024 15+00W	DIRT	Niton	XL3t	9/25/2012	60	5.24	0		154	5.9								
GFL024 15+25W	DIRT	Niton	XL3t	9/25/2012	60		7.91	4.92	152	5.88								
GFL024 15+50W	DIRT	Niton	XL3t	9/25/2012	60		10.02	5.15	113	5.13								
GFL024 15+75W	DIRT	Niton	XL3t	9/25/2012	60		0		102	5.12								
GFL024 16+00W	DIRT	Niton	XL3t	9/25/2012	60	6.06	15.46	5.51	114	5.14								
GFL024 16+25W	DIRT	Niton	XL3t	9/25/2012	60		0		116	5.15								
GFL024 16+50W	DIRT	Niton	XL3t	9/25/2012	60		8.06	5	122	5.34								
GFL024 16+75W	DIRT	Niton	XL3t	9/25/2012	60		9.01	5.1	89	4.6								
GFL024 17+00W	DIRT	Niton	XL3t	9/25/2012	60	5.91	12.99	5.4	110	5.11								
GFL024 17+25W	DIRT	Niton	XL3t	9/25/2012	60	5.74	9.75	5.15	117	5.29								
GFL024 17+50W	DIRT	Niton	XL3t	9/25/2012	60		10.59	5.09	153	5.91								
GFL024 17+75W	DIRT	Niton	XL3t	9/25/2012	60		8.97	4.83	115	5.15								
GFL025 00+00	DIRT	Niton	XL3t	8/6/2012	60	0		17.9	9	0								
GFL025 00+50W	DIRT	Niton	XL3t	8/6/2012	60	0	7.88	0	10	0								
GFL025 01+00W	DIRT	Niton	XL3t	8/6/2012	60	15.92		15.71	10	0								
GFL025 01+50W	DIRT	Niton	XL3t	8/6/2012	60	0	7.84	16.07	9	0								
GFL025 02+00W	DIRT	Niton	XL3t	8/6/2012	60	0		15.96	11	0								
GFL025 02+50W	DIRT	Niton	XL3t	8/6/2012	60	0		18.27	11	0								
GFL025 03+00W	DIRT	Niton	XL3t	8/6/2012	60	0		0	10	0								
GFL025 03+50W	DIRT	Niton	XL3t	8/6/2012	60	0	8.21	20.75	10	0								
GFL025 04+00W	DIRT	Niton	XL3t	8/6/2012	60	0		0	10	0								
GFL026 00+00	DIRT	Niton	XL3t	8/6/2012	60	0	7.58	0	10	0								
GFL026 00+50E	DIRT	Niton	XL3t	8/6/2012	60	0	8.09	0	10	0								

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
GFL026 01+00E	DIRT	Niton	XL3t	8/6/2012	60	14.3		18.3	10	0								
GFL026 01+50E	DIRT	Niton	XL3t	8/6/2012	60	0	8.29	18	10	0								
GFL026 02+00E	DIRT	Niton	XL3t	8/6/2012	60	0	8.01	0	9	0								
GFL026 02+50E	DIRT	Niton	XL3t	8/6/2012	60	14.03		0	11	0								
GFL026 03+00E	DIRT	Niton	XL3t	8/6/2012	60	0		18.66	11	0								
GFL026 03+50E	DIRT	Niton	XL3t	8/6/2012	60	0	7.8	0	11	0								
GFL026 04+00E	DIRT	Niton	XL3t	8/6/2012	60	0	7.65	0	11	0								
GFL027 00+00	DIRT	Niton	XL3t	9/19/2012	60	10.06	10.01	5.45	183	6.45								
GFL027 00+25E	DIRT	Niton	XL3t	9/19/2012	60	9.64	10.53	5.34	132	5.55								
GFL027 00+50E	DIRT	Niton	XL3t	9/19/2012	60	6.38	11.65	5.31	149	5.77								
GFL027 00+75E	DIRT	Niton	XL3t	9/19/2012	60	7.13	0		151	5.9								
GFL027 01+00E	DIRT	Niton	XL3t	9/19/2012	60	6.05	10.03	5.22	173	6.35								
GFL027 01+25E	DIRT	Niton	XL3t	9/19/2012	60	5.66	0		97	4.76								
GFL027 01+50E	DIRT	Niton	XL3t	9/19/2012	60		9.97	5.29	100	4.88								
GFL027 01+75E	DIRT	Niton	XL3t	9/19/2012	60	6.24	10.73	5.32	138	5.64								
GFL027 02+00E	DIRT	Niton	XL3t	9/19/2012	60		10.85	5.43	113	5.12								
GFL027 02+25E	DIRT	Niton	XL3t	9/19/2012	60		13.6	5.58	114	5.15								
GFL027 02+50E	DIRT	Niton	XL3t	9/19/2012	60		14.33	5.84	143	5.79								
GFL027 02+75E	DIRT	Niton	XL3t	9/19/2012	60		15.59	5.78	119	5.36								
GFL027 03+00E	DIRT	Niton	XL3t	9/19/2012	60		13.88	5.56	136	5.61								
GFL027 03+25E	DIRT	Niton	XL3t	9/19/2012	60		8.5	5.22	159	6.15								
GFL027 03+50E	DIRT	Niton	XL3t	9/19/2012	60		11.39	5.3	104	4.93								
GFL027 03+75E	DIRT	Niton	XL3t	9/19/2012	60	6.22	9.7	5.24	151	5.88								
GFL027 04+00E	DIRT	Niton	XL3t	9/19/2012	60	5.79	10.4	5.16	183	6.37								
GFL027 04+25E	DIRT	Niton	XL3t	9/19/2012	60		8.91	4.99	110	5.02								
GFL027 04+50E	DIRT	Niton	XL3t	9/19/2012	60		8.96	5.05	96	4.74								
GFL027 04+75E	DIRT	Niton	XL3t	9/19/2012	60		0		120	5.22								
GFL027 05+00E	DIRT	Niton	XL3t	9/19/2012	60		8.86	5.02	99	4.79								
GFL028 00+00	DIRT	Niton	XL3t	9/20/2012	60		10.44	5.17	196	6.77								
GFL028 00+25E	DIRT	Niton	XL3t	9/20/2012	60		11.6	5.48	180	6.56								
GFL028 00+50E	DIRT	Niton	XL3t	9/20/2012	60	7.07	8.82	5.15	190	6.61								
GFL028 00+75E	DIRT	Niton	XL3t	9/20/2012	60	16.65	24.68	7.37	146	6.16								
GFL028 01+00E	DIRT	Niton	XL3t	9/20/2012	60	6.18	0		192	6.62								
GFL028 01+25E	DIRT	Niton	XL3t	9/20/2012	60	6.77	14.73	5.63	198	6.88								
GFL028 01+50E	DIRT	Niton	XL3t	9/20/2012	60	7.36	17.16	5.88	133	5.77								
GFL028 01+75E	DIRT	Niton	XL3t	9/20/2012	60	7.33	16.44	6.07	91	4.91								
GFL028 02+00E	DIRT	Niton	XL3t	9/20/2012	60	6.57	11.2	5.48	102	5.09								
GFL028 02+25E	DIRT	Niton	XL3t	9/20/2012	60		14.65	6.04	101	5.14								
GFL028 02+50E	DIRT	Niton	XL3t	9/20/2012	60		13.63	5.74	155	6.17								
GFL028 02+75E	DIRT	Niton	XL3t	9/20/2012	60		10.17	5.55	149	5.98								
GFL028 03+00E	DIRT	Niton	XL3t	9/20/2012	60		7.92	5.27	151	6.02								
GFL028 03+25E	DIRT	Niton	XL3t	9/20/2012	60	6.69	16.69	5.86	162	6.22								
GFL028 03+50E	DIRT	Niton	XL3t	9/20/2012	60		13.6	5.52	172	6.36								
GFL028 03+75E	DIRT	Niton	XL3t	9/20/2012	60		9.56	5.3	167	6.23								
GFL028 04+00E	DIRT	Niton	XL3t	9/20/2012	60		16.86	5.91	164	6.28								

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
GFL028 04+25E	DIRT	Niton	XL3t	9/13/2012	60		11.64	5.52	152	6.01								
GFL028 04+50E	DIRT	Niton	XL3t	9/13/2012	60		9.26	5.29	152	5.99								
GFL028 04+75E	DIRT	Niton	XL3t	9/13/2012	60	6.45	12.83	5.53	154	6.01								
GFL028 05+00E	DIRT	Niton	XL3t	9/13/2012	60	8.03	15.26	5.94	140	5.79								
GFL028 05+25E	DIRT	Niton	XL3t	9/13/2012	60		16.67	5.82	151	5.99								
GFL028 05+50E	DIRT	Niton	XL3t	9/13/2012	60		12.06	5.43	163	6.17								
GFL028 05+75E	DIRT	Niton	XL3t	9/13/2012	60		14.51	5.73	126	5.52								
GFL028 06+00E	DIRT	Niton	XL3t	9/13/2012	60		13.1	5.6	175	6.54								
GFL028 06+25E	DIRT	Niton	XL3t	9/13/2012	60	6.22	22.65	6.18	150	5.95								
GFL028 06+50E	DIRT	Niton	XL3t	9/13/2012	60		8.95	5.48	144	5.98								
GFL028 06+75E	DIRT	Niton	XL3t	9/13/2012	60		13.69	5.63	109	5.16								
GFL028 07+00E	DIRT	Niton	XL3t	9/13/2012	60		13.22	5.69	156	6.15								
GFL028 07+25E	DIRT	Niton	XL3t	9/23/2012	60		16.37	5.89	130	5.59								
GFL028 07+50E	DIRT	Niton	XL3t	9/23/2012	60		16.74	6	116	5.36								
GFL028 07+75E	DIRT	Niton	XL3t	9/23/2012	60		13.13	5.58	146	5.86								
GFL028 08+00E	DIRT	Niton	XL3t	9/23/2012	60		15.72	5.95	67	4.17								
GFL028 08+25E	DIRT	Niton	XL3t	9/23/2012	60		16.89	5.63	127	5.44								
GFL028 08+50E	DIRT	Niton	XL3t	9/23/2012	60		11.39	5.96	151	6.08								
GFL028 08+75E	DIRT	Niton	XL3t	9/23/2012	60		14.22	5.76	133	5.8								
GFL028 09+00E	DIRT	Niton	XL3t	9/23/2012	60		10.15	5.32	128	5.5								
GFL028 09+25E	DIRT	Niton	XL3t	9/23/2012	60	6.13	19.23	6.12	134	5.76								
GFL028 09+50E	DIRT	Niton	XL3t	9/23/2012	60		15.03	6.04	94	4.97								
GFL028 09+75E	DIRT	Niton	XL3t	9/23/2012	60		15.22	6	139	5.89								
GFL028 10+00E	DIRT	Niton	XL3t	9/23/2012	60		9.42	5.54	164	6.34								
GFL028 10+25E	DIRT	Niton	XL3t	9/26/2012	60		11.16	5.59	134	5.71								
GFL028 10+50E	DIRT	Niton	XL3t	9/26/2012	60		17.3	6.02	128	5.61								
GFL028 10+75E	DIRT	Niton	XL3t	9/26/2012	60	5.8	18.79	5.93	121	5.37								
GFL028 11+00E	DIRT	Niton	XL3t	9/26/2012	60		13.07	5.68	134	5.76								
GFL028 11+25E	DIRT	Niton	XL3t	9/26/2012	60	5.94	9.45	5.39	111	5.25								
GFL028 11+50E	DIRT	Niton	XL3t	9/26/2012	60		8.49	5.18	119	5.32								
GFL028 11+75E	DIRT	Niton	XL3t	9/26/2012	60	5.63	7.91	5.2	99	4.96								
GFL028 12+00E	DIRT	Niton	XL3t	9/26/2012	60		14.24	5.61	138	5.7								
GFL029 00+00	DIRT	Niton	XL3t	9/22/2012	60	6.32	12.25	5.41	142	5.77								
GFL029 00+25E	DIRT	Niton	XL3t	9/22/2012	60		16.46	5.62	175	6.33								
GFL029 00+50E	DIRT	Niton	XL3t	9/22/2012	60		10.76	5.33	149	5.92								
GFL029 00+75E	DIRT	Niton	XL3t	9/22/2012	60		13.28	5.53	178	6.52								
GFL029 01+00E	DIRT	Niton	XL3t	9/22/2012	60		12.99	5.44	201	6.89								
GFL029 01+25E	DIRT	Niton	XL3t	9/22/2012	60	6.01	10.9	5.25	160	6.11								
GFL029 01+50E	DIRT	Niton	XL3t	9/22/2012	60		7.85	5.21	123	5.49								
GFL029 01+75E	DIRT	Niton	XL3t	9/22/2012	60		11.68	5.48	189	6.61								
GFL029 02+00E	DIRT	Niton	XL3t	9/22/2012	60		21.83	7.43	149	6.13								
GFL029 02+25E	DIRT	Niton	XL3t	9/22/2012	60		30.35	11.75	152	6.34								
GFL029 02+50E	DIRT	Niton	XL3t	9/22/2012	60		0		155	6.29								
GFL029 02+75E	DIRT	Niton	XL3t	9/22/2012	60		9.61	5.28	171	6.25								
GFL029 03+00E	DIRT	Niton	XL3t	9/22/2012	60		10.75	5.38	146	5.89								

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
GFL029 03+25E	DIRT	Niton	XL3t	9/22/2012	60		12.73	5.54	175	6.44								
GFL029 03+50E	DIRT	Niton	XL3t	9/22/2012	60		11.29	5.49	132	5.62								
GFL029 03+75E	DIRT	Niton	XL3t	9/22/2012	60	6.7	13.51	5.65	133	5.64								
GFL029 04+00E	DIRT	Niton	XL3t	9/22/2012	60		9.29	5.41	129	5.57								
GFL029 04+25E	DIRT	Niton	XL3t	9/17/2012	60		16.2	5.87	134	5.67								
GFL029 04+50E	DIRT	Niton	XL3t	9/17/2012	60		10.98	5.47	143	5.85								
GFL029 04+75E	DIRT	Niton	XL3t	9/17/2012	60		15.15	5.76	135	5.66								
GFL029 05+00E	DIRT	Niton	XL3t	9/17/2012	60		8.2	5.11	171	6.29								
GFL029 05+25E	DIRT	Niton	XL3t	9/17/2012	60		15.65	5.77	132	5.59								
GFL029 05+50E	DIRT	Niton	XL3t	9/17/2012	60		0		147	5.88								
GFL029 05+75E	DIRT	Niton	XL3t	9/17/2012	60		10.72	5.42	150	5.94								
GFL029 06+00E	DIRT	Niton	XL3t	9/17/2012	60		13.89	5.72	152	5.93								
GFL029 06+25E	DIRT	Niton	XL3t	9/17/2012	60		9.57	5.29	178	6.38								
GFL029 06+50E	DIRT	Niton	XL3t	9/17/2012	60		8.02	5.07	167	6.18								
GFL029 06+75E	DIRT	Niton	XL3t	9/17/2012	60		10.95	5.3	160	6.04								
GFL029 07+00E	DIRT	Niton	XL3t	9/17/2012	60	5.96	18.17	5.82	105	4.97								
GFL029 07+25E	DIRT	Niton	XL3t	9/17/2012	60		12.09	5.39	145	5.79								
GFL029 07+50E	DIRT	Niton	XL3t	9/17/2012	60		10.4	5.32	179	6.38								
GFL029 07+75E	DIRT	Niton	XL3t	9/17/2012	60		15.43	5.8	167	6.26								
GFL029 08+00E	DIRT	Niton	XL3t	9/17/2012	60		10.32	5.34	178	6.41								
GFL029 08+25E	DIRT	Niton	XL3t	9/21/2012	60	6.43	9.18	5.26	174	6.42								
GFL029 08+50E	DIRT	Niton	XL3t	9/21/2012	60		9.96	5.33	151	5.93								
GFL029 08+75E	DIRT	Niton	XL3t	9/21/2012	60		10.25	5.43	165	6.24								
GFL029 09+00E	DIRT	Niton	XL3t	9/21/2012	60		7.97	5.31	151	5.95								
GFL029 09+25E	DIRT	Niton	XL3t	9/21/2012	60		0		73	4.2								
GFL029 09+50E	DIRT	Niton	XL3t	9/21/2012	60		11.44	5.33	118	5.21								
GFL029 09+75E	DIRT	Niton	XL3t	9/21/2012	60		11.57	5.46	154	5.97								
GFL029 10+00E	DIRT	Niton	XL3t	9/21/2012	60		9.87	5.2	147	5.8								
GFL029 10+25E	DIRT	Niton	XL3t	9/21/2012	60	5.75	12.52	5.35	173	6.24								
GFL029 10+50E	DIRT	Niton	XL3t	9/21/2012	60	7.64	13.57	5.87	141	5.8								
GFL029 10+75E	DIRT	Niton	XL3t	9/21/2012	60		10.83	5.65	135	5.72								
GFL029 11+00E	DIRT	Niton	XL3t	9/21/2012	60	6.93	16.75	5.99	142	5.88								
GFL029 11+25E	DIRT	Niton	XL3t	9/21/2012	60		8.52	5.25	174	6.35								
GFL029 11+50E	DIRT	Niton	XL3t	9/21/2012	60		19.83	7.28	151	6.14								
GFL029 11+75E	DIRT	Niton	XL3t	9/21/2012	60	7.38	0		199	6.86								
GFL030 00+00	DIRT	Niton	XL3t	9/21/2012	60		15.1	5.57	105	4.93								
GFL030 00+25E	DIRT	Niton	XL3t	9/21/2012	60		15.73	5.72	96	4.82								
GFL030 00+50E	DIRT	Niton	XL3t	9/21/2012	60		14.23	5.57	134	5.58								
GFL030 00+75E	DIRT	Niton	XL3t	9/21/2012	60		0		136	5.61								
GFL030 01+00E	DIRT	Niton	XL3t	9/21/2012	60		8.86	5.21	182	6.5								
GFL030 01+25E	DIRT	Niton	XL3t	9/21/2012	60	6.8	12.83	5.65	171	6.42								
GFL030 01+50E	DIRT	Niton	XL3t	9/21/2012	60	7.51	15.65	5.83	205	7.03								
GFL030 01+75E	DIRT	Niton	XL3t	9/21/2012	60	6.08	19.08	5.86	181	6.48								
GFL030 02+00E	DIRT	Niton	XL3t	9/21/2012	60		0		133	5.62								
GFL030 02+25E	DIRT	Niton	XL3t	9/21/2012	60		0		181	6.48								

Sample Number	Sample Medium	XRF Make	XRF Model	Analysis Date	Analysis Duration	As_ERROR	Th_ppm	Th_ERROR	Sr_ppm	Sr_ERROR	Cd_ppm	Cd_ERROR	Sb_ppm	Sb_ERROR	Ba_ppm	Ba_ERROR	Sn_ppm	Sn_ERROR
GFL030 02+50E	DIRT	Niton	XL3t	9/21/2012	60	5.91	10.3	5.35	161	6.13								
GFL030 02+75E	DIRT	Niton	XL3t	9/21/2012	60		10.3	5.26	156	6.02								
GFL030 03+00E	DIRT	Niton	XL3t	9/21/2012	60		8.42	5.07	166	6.19								
GFL030 03+25E	DIRT	Niton	XL3t	9/21/2012	60		11.04	5.31	141	5.7								
GFL030 03+50E	DIRT	Niton	XL3t	9/20/2012	60	5.7	14.01	5.49	165	6.16								
GFL030 03+75E	DIRT	Niton	XL3t	9/20/2012	60		8.13	5.16	177	6.44								
GFL030 04+00E	DIRT	Niton	XL3t	9/20/2012	60		8.61	5.07	145	5.73								
GFL030 04+25E	DIRT	Niton	XL3t	9/20/2012	60		10.73	5.4	178	6.45								
GFL030 04+50E	DIRT	Niton	XL3t	9/20/2012	60	5.24	12.33	5.39	88	4.55								
GFL030 04+75E	DIRT	Niton	XL3t	9/20/2012	60		16.92	5.98	135	5.68								
GFL030 05+00E	DIRT	Niton	XL3t	9/20/2012	60		10.65	5.38	113	5.12								
GFL030 05+25E	DIRT	Niton	XL3t	9/20/2012	60		12.15	5.32	166	6.13								
GFL030 05+50E	DIRT	Niton	XL3t	9/20/2012	60		12.55	5.74	200	6.93								
GFL030 05+75E	DIRT	Niton	XL3t	9/20/2012	60		14.16	5.63	150	5.95								
GFL030 06+00E	DIRT	Niton	XL3t	9/20/2012	60		12.03	5.32	104	4.91								
GFL030 06+25E	DIRT	Niton	XL3t	9/26/2012	60		11.3	5.48	161	6.12								
GFL030 06+50E	DIRT	Niton	XL3t	9/26/2012	60		13.52	5.35	106	4.96								
GFL030 06+75E	DIRT	Niton	XL3t	9/26/2012	60		13.62	5.47	178	6.39								
GFL030 07+00E	DIRT	Niton	XL3t	9/26/2012	60		11.12	5.26	154	5.98								
GFL030 07+25E	DIRT	Niton	XL3t	9/26/2012	60		10.29	5.14	125	5.32								
GFL030 07+50E	DIRT	Niton	XL3t	9/26/2012	60		9.65	5.28	137	5.71								
GFL030 07+75E	DIRT	Niton	XL3t	9/26/2012	60		10.16	5.3	200	6.83								
GFL030 08+00E	DIRT	Niton	XL3t	9/26/2012	60		11.34	5.26	159	6								

Appendix VII – Geological Mapping

7.1 – Station Locations and Lithology
7.2 - Alteration
7.3 - Structure

Appendix 7.1 - Station Locations and Lithology

Station Number	Station Type	Location Method	UTME	UTM N	UTM ZONE	GPS Accuracy	Major Rock Type	Minor Rock Type	Colour Fresh	Colour Weathered	Grainsize	Texture	Station Comments	Lithology Comments
AHGFG001	outcrop	GPS	557678	5440935	11N	9	Siltstone							quartz-carbonate fault material with minor lithic sediments
AHGFG002	outcrop	GPS	557687	5441034	11N	9	Siltstone						train tracks likely delineate fault structure	rocks on west side are steeply dipping with carbonate alt, rocks on east side are shallow dipping with silica alt
AHGFG003	outcrop	GPS	557960	5441070	11N	11	Silstone							southern end of o/c
AHGFG004	float	GPS	554613	5440508	11N	3	Quartzite							trace possible sulphides
AHGFG005	float	GPS	554728	5440472	11N	3	Sandstone							speckeld with possible hematite
AHGFG006	outcrop	GPS	555056	5440338	11N	3	Siltstone		salt and pepper				10m by 10m	
CRGFG001	outcrop	GPS	558713.77	5439817.6	11N	2	Siltstone		black	rusty	fine-medium	soft sediment deformation		
CRGFG002	outcrop	GPS	556892.09	5439361.6	11N	1	Siltstone							
CRGFG003	outcrop	GPS	556985.34	5439400.8	11N	1	Siltstone							
CRGFG004	outcrop	GPS	556665.21	5439206.1	11N	2	Siltstone							
CRGFG005	outcrop	GPS	556496.93	5439086.3	11N	2	Siltstone							
CRGFG006	outcrop	GPS	555787	5437175	11N		Sandstone	Siltstone	brownish	brown	fine	sandy		
CRGFG007	outcrop	GPS	555822.25	5437343.3	11N	1	Sandstone	Siltstone						
CRGFG008	outcrop	GPS	555883.74	5437415.1	11N	1	Sandstone	Siltstone						
CRGFG009	outcrop	GPS	556123.25	5437739.4	11N	1	Siltstone	Sandstone	grey	brownish	fine	sandy		
CRGFG010	outcrop	GPS	555897.42	5437746	11N	1	Gabbro		brownish	greenish	fine-medium	intrusive	Intrusive sill feature	
CRGFG011	outcrop	GPS	555830.1	5437759.8	11N	1	Siltstone	Sandstone						
CRGFG012	outcrop	GPS	555624.9	5437638.7	11N	1	Gabbro							
CRGFG013	outcrop	GPS	555797.24	5436636.9	11N	2	Gabbro		greenish	grey	fine-medium	crystalline		
CRGFG014	outcrop	GPS	555578.54	5436947.3	11N	2	Siltstone	Sandstone						
CRGFG015	outcrop	GPS	555413.72	5437340.4	11N	1	Siltstone	Sandstone						
CRGFG015	outcrop	GPS	555413.72	5437340.4	11N	1	Siltstone							
CRGFG016	outcrop	GPS	555581.64	5437729.5	11N	1	Gabbro						About 30m s on the road	
CRGFG017	outcrop	GPS	555721.63	5437894.6	11N	1	Siltstone	Sandstone					Lowerr ald	
CRGFG018	float	GPS	557749.28	5438627.7	11N	4	Unknown		black	black	fine	altered		
CRGFG019	outcrop	GPS	558386	5439139	11N	5	Siltstone							
CRGFG020	outcrop	GPS	558591.03	5439332.6	11N	1	Siltstone		grey				Mid aldridge	
CRGFG021	outcrop	GPS	558686.76	5439377.5	11N	1	Siltstone							
CRGFG022	outcrop	GPS	558602	5439226	11N	1	Siltstone							
CRGFG023	outcrop	GPS	558680	5439407	11N	0	Siltstone							
CRGFG023	outcrop	GPS	558680	5439407	11N	0	Siltstone		dark grey	grey	fine-medium			
CRGFG024	outcrop	GPS	558760	5439375	11N	0	Siltstone		grey	brownish	fine-medium		Miid ald	
CRGFG025	outcrop	GPS	558894	5439331	11N	0	Siltstone		dark grey	brownish	fine-medium			

Station Number	Station Type	Location Method	UTME	UTM N	UTM ZONE	GPS Accuracy	Major Rock Type	Minor Rock Type	Colour Fresh	Colour Weathered	Grainsize	Texture	Station Comments	Lithology Comments
CRGFG026	outcrop	GPS	558868	5439202	11N	0	Siltstone		dark grey	dark grey	fine-medium			
CRGFG027	outcrop	GPS	558933	5439202	11N	0	Siltstone		dark grey	greyish	fine-medium			
CRGFG028	outcrop	GPS	558957	5439154	11N	0	Siltstone		dark grey	greyish	fine-medium			
CRGFG029	float	GPS	559013	5438252	11N	0	Gabbro		greenish		medium-coarse	intrusive		
CRGFG030	outcrop	GPS	558823	5438259	11N	0	Siltstone	Sandstone	dark grey	brownish	fine-medium		Mid ald possibly float	
CRGFG031	outcrop	GPS	558679	5438215	11N	0	Siltstone		dark grey	dark	fine-medium		Mid ald	
CRGFG032	outcrop	GPS	558588	5438217	11N	0	Siltstone	Sandstone	dark grey	brownish	fine-medium	sandy	Mid ald	
CRGFG033	outcrop	GPS	558540	5438175	11N	0	Siltstone		grey	rusty	fine-medium	banded		
CRGFG034	float	GPS	558206	5438267	11N	0	Siltstone		dark grey	grey	fine-medium		Sub angular float	
CRGFG035	outcrop	GPS	556954	5440642	11N	0	Siltstone		dark grey	grey	fine	banded		
CRGFG036	outcrop	GPS	558602	5439218	11N		Siltstone							
CRGFG036	outcrop	GPS	558602	5439218	11N		Siltstone		dark grey	grey	fine-medium	granular		
CRGFG037	outcrop	GPS	558588	5439079	11N	13	Siltstone							
CRGFG037	outcrop	GPS	558588	5439079	11N	13	Siltstone		dark grey	grey				
CRGFG038	outcrop	GPS	558550	5438815	11N	13	Siltstone							
CRGFG039	outcrop	GPS	558258	5441115	11N	10	Gabbro		green	grey	fine-medium	aphanitic		
CRGFG039	outcrop	GPS	558258	5441115	11N	10	Gabbro		greenish	dark grey	medium-coarse	intrusive		
CRGFG040	outcrop	GPS	557920	5441289	11N	11	Siltstone							
CRGFG040	outcrop	GPS	557920	5441289	11N	11	Siltstone	Sandstone	dark grey	grey	fine-medium	sandy		
CRGFG041	outcrop	GPS	557865	5441408	11N	12	Sandstone		brown					
CRGFG041	outcrop	GPS	557865	5441408	11N	12	Sandstone		brownish	brownish	fine-medium	sandy		
CRGFG041	outcrop	GPS	557865	5441408	11N	12	Siltstone			rusty				
CRGFG042	outcrop	GPS	557936	5441106	11N	0	Siltstone							
CRGFG042	outcrop	GPS	557936	5441106	11N	0	Siltstone	Sandstone	grey	brownish	fine-medium	bedded		
CRGFG043	outcrop	GPS	557697	5441484	11N	13	Siltstone							
CRGFG043	outcrop	GPS	557697	5441484	11N	13	Siltstone	Sandstone	grey	dark grey	fine-medium	sandy		
CRGFG044	outcrop	GPS	557688	5441527	11N	9	Siltstone							
CRGFG044	outcrop	GPS	557688	5441527	11N	9	Siltstone	Sandstone	grey	dark grey	fine-medium	granular		
CRGFG045	outcrop	GPS	557597	5441700	11N	12	Siltstone	Sandstone	grey	dark grey	fine-medium	sandy		
CRGFG046	outcrop	GPS	555955	5440949	11N	0	Siltstone	Sandstone	brownish	rusty	fine-medium	sandy		
CRGFG047	outcrop	GPS	555995	5441052	11N	0	Siltstone	Sandstone	brownish	rusty	fine-medium	sandy		

Station Number	Station Type	Location Method	UTME	UTM N	UTM ZONE	GPS Accuracy	Major Rock Type	Minor Rock Type	Colour Fresh	Colour Weathered	Grainsize	Texture	Station Comments	Lithology Comments
CRGFG048	outcrop	GPS	556010	5441090	11N	0	Siltstone		grey	rusty	fine-medium	rotten		
CRGFG049	outcrop	GPS	555970	5441245	11N	0	Siltstone		grey	dark grey	fine-medium			
CRGFG050	outcrop	GPS	555795	5441145	11N	0	Siltstone		grey	dark grey	fine-medium	gritty		
CRGFG051	outcrop	GPS	555711	5441093	11N	0	Siltstone	Sandstone	grey	dark grey	fine-medium	sandy		
CRGFG052	outcrop	GPS	555451	5440936	11N	0	Siltstone		dark grey	dark grey	fine-medium	gritty		
CRGFG053	outcrop	GPS	555379	5440835	11N	0	Siltstone		dark grey	dark grey	fine-medium	gritty		
CRGFG054	outcrop	GPS	554970	5440467	11N	0	Siltstone		dark grey	dark grey	fine-medium	gritty		
CRGFG055	outcrop	GPS	555051	5440181	11N	0	Siltstone	Sandstone	dark grey	rusty	fine-medium	sandy		
CRGFG056	outcrop	GPS	557029	5437470	11N	0	Gabbro		green	dark grey	fine	intrusive		
CRGFG057	outcrop	GPS	557032	5440937	11N	0	Siltstone	Sandstone	greyish	rusty	fine-medium	sandy		
CRGFG058	outcrop	GPS	557023	5440911	11N	0	Siltstone	Argillite	dark grey	dark grey	fine	gritty		
CRGFG059	float	GPS	556998	5440775	11N	0	Gabbro		green	dark grey	fine-medium	intrusive		
CRGFG060	outcrop	GPS	555857	5438820	11N	0	Siltstone		dark grey	dark grey	fine-medium	gritty		
CRGFG061	outcrop	GPS	555834	5438831	11N	0	Sandstone		brownish	brownish	fine	sandy		
CRGFG062	outcrop	GPS	555805	5438859	11N	0	Siltstone		dark grey	dark grey	fine-medium	gritty		
CRGFG063	outcrop	GPS	555766	5438843	11N	0	Siltstone		dark grey	rusty	fine-medium	gritty		
CRGFG064	outcrop	GPS	555716	5438847	11N	0	Siltstone		dark grey	dark grey	fine	gritty		
CRGFG065	subcrop	GPS	555695	5438824	11N	0	Siltstone		grey	brownish	fine	sandy		
CRGFG067	outcrop	GPS	555638	5438750	11N	0	Gabbro		grey green	greyish	fine-medium	intrusive		
CRGFG068	outcrop	GPS	555954	5439200	11N	0	Siltstone		dark grey	dark grey	fine	gritty		
CRGFG069	outcrop	GPS	555997	5439138	11N	0	Siltstone		dark grey	dark grey	fine	gritty		
CRGFG070	outcrop	GPS	556063	5439259	11N	0	Siltstone		dark grey	dark grey	fine	gritty		
CRGFG071	outcrop	GPS	556211	5439255	11N	0	Siltstone		dark grey	dark grey	fine	gritty		
CRGFG072	outcrop	GPS	556300	5439367	11N	0	Siltstone		dark grey	dark grey	fine	gritty		
CRGFG073	outcrop	GPS	556802	5435464	11N	20	Sandstone		brownish	brownish	fine	sandy		
CRGFG074	outcrop	GPS	556950	5435456	11N	11	Sandstone	Siltstone	brownish	grey	fine-medium	sandy		
CRGFG075	outcrop	GPS	556829	5435469	11N	24	Siltstone	Sandstone	dark grey	dark grey	fine	gritty		
CRGFG076	float	GPS	557447	5439890	11N		Gabbro		green	grey green	fine-medium	intrusive		
CRGFG077	float	GPS	557625	5434805	11N		Gabbro		green	grey green	fine-medium	intrusive		
CRGFG078	outcrop	GPS	557492	5435283	11N		Siltstone	Sandstone	dark grey	rusty	fine	sandy		
CRGFG079	outcrop	GPS	558600	5435007	11N	9	Siltstone		dark grey	rusty	fine	gritty	Couldhavve markees	
CRGFG080	outcrop	GPS	558639	5435098	11N	7	Siltstone		dark grey	grey	fine	gritty		

Station Number	Station Type	Location Method	UTME	UTM N	UTM ZONE	GPS Accuracy	Major Rock Type	Minor Rock Type	Colour Fresh	Colour Weathered	Grainsize	Texture	Station Comments	Lithology Comments
CRGFG081	outcrop	GPS	558547	5435205	11N	9	Siltstone		dark grey	dark grey	fine	gritty		
CRGFG082	outcrop	GPS	558518	5435239	11N	6	Siltstone		dark grey	light grey	fine	sandy		
CRGFG083	outcrop	GPS	558479	5435347	11N	13	Siltstone		dark grey	grey	fine	gritty		
CRGFG084	outcrop	GPS	558542	5435359	11N		Siltstone		dark grey	dark grey	fine	gritty		
CRGFG085	outcrop	GPS	558551	5435373	11N	16	Siltstone		dark grey	dark grey	fine	gritty		
CRGFG086	outcrop	GPS	558587	5435450	11N		Siltstone		dark grey	rusty	fine	banded		
CRGFG087	outcrop	GPS	558631	5435561	11N	22	Siltstone		dark grey	dark grey	fine	gritty		
CRGFG088	outcrop	GPS	558595	5435720	11N	8	Siltstone		dark grey	dark grey	fine	banded		
CRGFG089	outcrop	GPS	558622	5435725	11N	6	Siltstone		light grey	dark grey	fine	sandy		
CRGFG089	outcrop	GPS	558622	5435725	11N	6	Siltstone		dark grey	dark grey	fine	banded		
CRGFG090	outcrop	GPS	558604	5435919	11N	7	Siltstone		dark grey	dark grey	fine	gritty		
CRGFG091	outcrop	GPS	558648	5435952	11N		Gabbro		green	grey	fine-medium	intrusive		
CRGFG092	outcrop	GPS	558762	5436069	11N	7	Siltstone	Sandstone	brownish	dark grey	fine	sandy		
CRGFG093	outcrop	GPS	558784	5436078	11N	10	Siltstone		dark grey	rusty	fine	gritty		
CRGFG094	outcrop	GPS	558778	5436044	11N		Gabbro		green	dark grey				
CRGFG095	outcrop	GPS	558815	5436036	11N		Siltstone		dark grey	dark grey	fine	gritty		
CRGFG096	outcrop	GPS	558639	5435309	11N	40	Siltstone		dark grey	rusty	fine	gritty		
CRGFG097	outcrop	GPS	558810	5436087	11N	9	Siltstone		dark grey	dark grey	fine	gritty		
CRGFG098	outcrop	GPS	558829	5436089	11N	8	Siltstone		dark grey	rusty	fine	banded		
CRGFG099	outcrop	GPS	558851	5436063	11N	63	Siltstone		brownish	dark grey	fine	sandy		
CRGFG099	outcrop	GPS	558851	5436063	11N	63	Gabbro		green	dark grey	fine-medium	intrusive		
CRGFG100	outcrop	GPS	558925	5436053	11N	7	Gabbro		green	grey green	fine-medium	intrusive		
CRGFG101	outcrop	GPS	558941	5435942	11N	26	Sandstone	Siltstone	brownish	dark grey	fine	sandy		
CRGFG102	outcrop	GPS	558934	5435942	11N		Gabbro		green	grey green	fine-medium	intrusive		
CRGFG103	outcrop	GPS	558989	5435931	11N	9	Siltstone		dark grey	rusty	fine	gritty		
CRGFG104	outcrop	GPS	559022	5436001	11N		Siltstone		dark grey	rusty	fine	banded		
CRGFG105	outcrop	GPS	559085	5435917	11N		Siltstone		dark grey	rusty	fine	banded		
CRGFG106	outcrop	GPS	559164	5435908	11N	11	Siltstone		dark grey	rusty	fine	banded		
CRGFG107	outcrop	GPS	559117	5435832	11N	23	Sandstone	Siltstone	greyish	grey	fine	sandy		
CRGFG108	outcrop	GPS	559336	5435924	11N	11	Siltstone		dark grey	rusty	fine	gritty		
CRGFG109	outcrop	GPS	559377	5435861	11N	9	Siltstone		dark grey	dark grey	fine	gritty		
CRGFG110	outcrop	GPS	558866	5436095	11N	23	Gabbro		green	grey green	fine-medium	intrusive		
CRGFG111	outcrop	GPS	556315	5439466	11N	13	Siltstone		dark grey	dark grey	fine	gritty		
CRGFG112	outcrop	GPS	556394	5439421	11N		Siltstone		brownish	dark grey	fine	sandy		
CRGFG113	outcrop	GPS	556406	5439439	11N	7	Siltstone		dark grey	dark grey	fine	gritty		
CRGFG114	outcrop	GPS	556457	5439497	11N	6	Sandstone		brownish	dark grey	fine	granular		
CRGFG115	outcrop	GPS	556523	5439576	11N	12	Siltstone		dark grey	dark grey	fine	gritty		
CRGFG116	outcrop	GPS	556571	5439663	11N	10	Siltstone		dark grey	dark grey	fine	gritty		
CRGFG117	outcrop	GPS	556644	5439666	11N	9	Siltstone		dark grey	dark grey	fine	gritty		
CRGFG118	outcrop	GPS	556673	5439677	11N	13	Siltstone		dark grey	dark grey	fine	gritty		
CRGFG119	outcrop	GPS	556667	5439719	11N		Siltstone		dark grey	dark grey	fine	gritty		

Station Number	Station Type	Location Method	UTME	UTM N	UTM ZONE	GPS Accuracy	Major Rock Type	Minor Rock Type	Colour Fresh	Colour Weathered	Grainsize	Texture	Station Comments	Lithology Comments
CRGFG120	outcrop	GPS	556676	54397769	11N	7	Siltstone		dark grey	dark grey	fine	gritty		
CRGFG121	outcrop	GPS	556257	5440780	11N	5	Siltstone	Sandstone	brownish	rusty	fine	sandy		
CRGFG122	outcrop	GPS	556102	5440733	11N	8	Siltstone		dark grey	rusty	fine	gritty		
CRGFG123	outcrop	GPS	560574	5439049	11N	50	Siltstone		greenish	greenish	fine	gritty		
CRGFG124	outcrop	GPS	560545	5439049	11N	50	Siltstone		dark grey	dark grey	fine	gritty		
CRGFG125	outcrop	GPS	560529	5438976	11N	50	Siltstone		light grey	grey	fine	gritty		
CRGFG126	outcrop	GPS	560466	5438911	11N	50	Siltstone		light grey	brownish	fine	banded		
CRGFG127	outcrop	GPS	560359	5438912	11N	50	Siltstone		grey green	dark grey	fine	gritty		
CRGFG128	outcrop	GPS	560422	5438863	11N	50	Siltstone		grey	dark grey	fine	schistose		
CRGFG129	outcrop	GPS	560250	5439537	11N	50	Siltstone		brownish	grey	fine	banded		
CRGFG130	outcrop	GPS	560109	5438509	11N	50	Siltstone		dark grey	dark grey	fine	gritty		
CRGFG131	outcrop	GPS	560071	5438497	11N	30	Siltstone		dark grey	dark grey	fine	gritty		
CRGFG132	float	GPS	557827	5438842	11N	12	Unknown		black	black	fine			
CRGFG133	outcrop	GPS	557895	5434013	11N	19	Siltstone		dark grey	rusty	fine	banded		
CRGFG134	outcrop	GPS	557858	5434023	11N	5	Siltstone		grey	dark grey	fine	gritty		
CRGFG135	outcrop	GPS	557552	5434275	11N	10	Siltstone		greyish	dark grey	fine	gritty		
CRGFG136	float	GPS	557438	5434258	11N	7	Unknown		black	black	very fine	clast within		
CRGFG137	outcrop	GPS	557392	5434215	11N	6	Siltstone		dark grey	rusty	fine	gritty		
CRGFG138	outcrop	GPS	556854	5434211	11N	10	Siltstone		dark grey	brownish	fine	gritty		
CRGFG139	outcrop	GPS	556786	5434296	11N	11	Siltstone		dark grey	brownish	fine	gritty		
CRGFG140	outcrop	GPS	556718	5434217	11N	5	Siltstone		grey	brownish	fine	gritty		
CRGFG141	outcrop	GPS	556615	5434219	11N	5	Siltstone		grey	brownish	fine	gritty		
CRGFG142	outcrop	GPS	559180	5441275	11N		Unknown		black	black	fine	disseminated		
CRGFG143	outcrop	GPS	559172	5441416	11N	90	Siltstone		dark grey	dark grey	fine	gritty		
CRGFG144	outcrop	GPS	559220	5441355	11N		Siltstone		dark grey	dark grey	fine	granular		
CRGFG145	outcrop	GPS	559176	5441370	11N	10	Siltstone		dark grey	dark grey	fine	gritty		
CRGFG146	outcrop	GPS	559105	5441505	11N		Siltstone		dark grey	light grey	fine	gritty		
CRGFG147	outcrop	GPS	555942	5433597	11N	10	Siltstone		dark grey	dark grey	fine	gritty		
CRGFG148	outcrop	GPS	556057	5433733	11N		Gabbro		greenish	grey green	fine-medium	intrusive		
CRGFG149	outcrop	GPS	556101	5433748	11N		Siltstone		grey	brownish	fine	sandy		
CRGFG150	outcrop	GPS	556085	5433759	11N		Gabbro		green	grey green	fine-medium	intrusive		
CRGFG151	outcrop	GPS	556217	5433810	11N	14	Siltstone		grey	dark grey	fine	gritty		
CRGFG152	outcrop	GPS	556319	5433772	11N	10	Gabbro		greenish	grey green	fine-medium	intrusive		
CRGFG153	outcrop	GPS	556288	5433738	11N		Siltstone		light grey	brownish	fine	clast within		
CRGFG154	outcrop	GPS	556437	5433834	11N	17	Siltstone		grey	grey	fine	gritty		
CRGFG155	outcrop	GPS	556481	5433847	11N	13	Siltstone		grey	brownish	fine	gritty		
CRGFG156	outcrop	GPS	556586	5433894	11N		Siltstone		grey	dark grey	fine	gritty		
CRGFG157	outcrop	GPS	556617	5433872	11N		Siltstone		grey	dark grey	fine	gritty		
CRGFG158	outcrop	GPS	556781	5433886	11N	13	Siltstone		grey	dark grey	fine	gritty		
CRGFG159	outcrop	GPS	556890	5433844	11N		Siltstone		grey	dark grey	fine	gritty		
CRGFG160	outcrop	GPS	556011	5433447	11N	7	Siltstone		dark grey	rusty	fine	wavy bedded		
CRGFG161	outcrop	GPS	560630	5435627	11N	13	Siltstone		grey	brownish	fine	gritty		
CRGFG162	outcrop	GPS	560457	5435094	11N	11	Siltstone		grey	brownish	fine	gritty		

Station Number	Station Type	Location Method	UTME	UTM N	UTM ZONE	GPS Accuracy	Major Rock Type	Minor Rock Type	Colour Fresh	Colour Weathered	Grainsize	Texture	Station Comments	Lithology Comments
CRGFG163	outcrop	GPS	560103	5434919	11N	7	Siltstone		grey green	grey green	fine	soft sediment deformation	Qtz vein w/ black metallic mineral seen before. Green fine grained silt package.	
CRGFG164	outcrop	GPS	560414	5433742	11N	8	Siltstone		light grey	grey	fine	gritty		
CRGFG165	outcrop	GPS	560420	5434101	11N	6	Siltstone		light grey	grey	fine	gritty		
CRGFG166	outcrop	GPS	560141	5434524	11N	7	Siltstone		grey	brownish	fine	gritty		
CRGFG167	outcrop	GPS	560168	5435144	11N	22	Siltstone		grey	dark grey	fine	gritty		
CRGFG168	outcrop	GPS	556299	5436811	11N	7	Siltstone		brown	rusty	fine	sandy		
CRGFG169	outcrop	GPS	556581	5436809	11N	11	Siltstone		brownish	rusty	fine	sandy		
CRGFG170	outcrop	GPS	557082	5436651	11N	7	Siltstone		brown	brownish	fine	sandy		
CRGFG171	float	GPS	557281	5436445	11N	19	Siltstone		dark grey	grey	fine	banded		
CRGFG172	outcrop	GPS	557455	5436345	11N	12	Siltstone		grey	rusty	fine	gritty		
CRGFG173	outcrop	GPS	557523	5436190	11N	12	Siltstone		dark grey	rusty	fine	banded		
CRGFG174	outcrop	GPS	559378	5428467	11N	16	Siltstone		grey	grey	fine	gritty		
CRGFG175	outcrop	GPS	559201	5428307	11N	10	Sandstone	Siltstone	light grey	grey	fine	sandy		
CRGFG176	outcrop	GPS	559079	5428257	11N	23	Sandstone	Siltstone	light grey	grey	fine	sandy		
CRGFG177	outcrop	GPS	558888	5428253	11N	10	Siltstone		light grey	grey	fine	sandy		
CRGFG178	outcrop	GPS	558865	5428215	11N	18	Siltstone		grey	grey	fine	gritty		
CRGFG179	outcrop	GPS	558646	5443189	11N	10	Siltstone		dark grey	grey	fine	banded		
CRGFG180	outcrop	GPS	558618	5443180	11N	19	Siltstone	Sandstone	light grey	grey	fine	sandy		
CRGFG181	outcrop	GPS	558627	5443194	11N	11	Siltstone		light grey	grey	fine	sandy		
CRGFG182	outcrop	GPS	558685	5443211	11N	8	Siltstone		light grey	grey	fine	sandy		
CRGFG183	outcrop	GPS	557025	5438412	11N	12	Sandstone	Siltstone	beige	grey	fine	sandy		
CRGFG184	outcrop	GPS	557071	5438241	11N	11	Siltstone		light grey	reddish	fine	sandy		
CRGFG185	outcrop	GPS	557129	5438227	11N	9	Siltstone		dark grey	reddish	fine	banded		
CRGFG186	outcrop	GPS	557225	5438202	11N	14	Siltstone		dark grey	reddish	fine	banded		
CRGFG187	outcrop	GPS	560223	5435307	11N	8	Siltstone	Phyllite	grey	grey	fine	altered		
CRGFG188	outcrop	GPS	560230	5435496	11N	13	Siltstone		light grey	grey	fine	banded		
CRGFG189	outcrop	GPS	560232	5435650	11N	12	Siltstone		grey	grey	fine	banded		
CRGFG190	outcrop	GPS	560236	5435703	11N	22	Gouge			brownish	grit	fractured		
CRGFG191	outcrop	GPS	560209	5435923	11N	20	Siltstone		light grey	grey	fine	gritty		
CRGFG192	outcrop	GPS	560172	5436187	11N	15	Siltstone		light grey	grey	fine	gritty		
CRGFG193	outcrop	GPS	560155	5436386	11N	11	Siltstone	Phyllite	grey	grey	fine			
CRGFG194	outcrop	GPS	560067	5436594	11N	8	Siltstone		grey	grey	fine	gritty		
CRGFG195	subcrop	GPS	559967	5436341	11N	5	Siltstone		grey	reddish	fine	gritty		
CRGFG196	outcrop	GPS	559928	5434725	11N	40	Siltstone		grey	light grey	fine	gritty		
CRGFG197	outcrop	GPS	555555	5555555	11N	0	Siltstone		grey	light grey	fine	bedded		
CRGFG198	outcrop	GPS	554772	5440127	11N	0	Sandstone		brownish	rusty	fine	granular		
CRGFG199	float	GPS	554606	5440535	11N	8	Sandstone	Siltstone	reddish	grey	fine	sandy		
CRGFG199	float	GPS	554606	5440535	11N	8	Siltstone	Sandstone	reddish	grey	fine	sandy		
CRGFG200	float	GPS	554699	5440543	11N	8	Siltstone	Sandstone	light grey	light grey	fine	gritty		
CRGFG201	outcrop	GPS	554736	5440576	11N	8	Siltstone							
CRGFG202	outcrop	GPS	554820	5440552	11N	6	Siltstone		grey	brownish	fine	gritty		

Station Number	Station Type	Location Method	UTME	UTM N	UTM ZONE	GPS Accuracy	Major Rock Type	Minor Rock Type	Colour Fresh	Colour Weathered	Grainsize	Texture	Station Comments	Lithology Comments
CRGFG203	outcrop	GPS	555055	5440455	11N	9	Siltstone		grey	reddish	fine	gritty		
CRGFG204	outcrop	GPS	555153	5440659	11N	8	Siltstone		grey	rusty	fine	gritty		
CRGFG205	outcrop	GPS	555212	5440665	11N	15	Sandstone	Siltstone	milky	grey	fine	sandy		
CRGFG206	outcrop	GPS	558604	5438385	11N	15	Sandstone	Siltstone	grey	brownish	fine	sandy		
CRGFG207	float	GPS	558381	38473	11N	8	Other		black	black	fine	altered		
CRGFG208	outcrop	GPS	554278	5442169	11N		Siltstone		grey	grey	fine	banded		
CRGFG209	outcrop	GPS	554362	5442339	11N		Siltstone		dark grey	light grey	fine	gritty		
CRGFG210	outcrop	GPS	554391	5442389	11N		Siltstone		grey	grey	fine	gritty		
CRGFG211	outcrop	GPS	554669	5442621	11N		Siltstone		grey	grey	fine	gritty		
CRGFG212	outcrop	GPS	553811	5441645	11N	13	Siltstone		grey	rusty	fine	fractured		
CRGFG213	outcrop	GPS	555824	5441304	11N	6	Siltstone		grey	grey	fine	gritty		
CRGFG214	outcrop	GPS	555624	5441945	11N	6	Siltstone		grey	grey	fine	banded		
CRGFG215	outcrop	GPS	555552	5441903	11N		Siltstone		grey	grey	fine	banded		
CRGFG216	outcrop	GPS	555370	5441947	11N	12	Siltstone		grey	grey	fine	gritty		
CRGFG217	outcrop	GPS	554708	5442153	11N	16	Breccia	Unknown	grey	rusty	grit	brecciated		
CRGFG218	outcrop	GPS	555107	5442147	11N	14	Siltstone		grey	grey	fine	gritty		
CRGFG219	outcrop	GPS	555213	5442149	11N	7	Siltstone		light grey	light grey	fine	gritty		
CRGFG220	outcrop	GPS	555228	5442102	11N	4	Siltstone		grey	light grey	fine	gritty		
CRGFG221	float	GPS	555231	5442084	11N	4	Breccia		dark grey	dark grey	fine-medium	brecciated		
CRGFG222	outcrop	GPS	555265	5442054	11N	4	Siltstone		milky	rusty	fine	altered		
CRGFG223	outcrop	GPS	554884	5439971	11N	10	Siltstone	Sandstone	brownish	brownish	fine	sandy		
CRGFG224	outcrop	GPS	558596	5434187	11N	12	Siltstone	Sandstone	light grey	brownish	fine	sandy		
CRGFG225	outcrop	GPS	558553	5433954	11N	7	Sandstone	Siltstone	brownish	light grey	fine	sandy		
CRGFG226	outcrop	GPS	558587	5433574	11N	20	Siltstone		grey	rusty	fine	banded		
CRGFG227	outcrop	GPS	558846	5433524	11N	9	Wacke		grey	rusty	fine	gritty		
CRGFG228	outcrop	GPS	558888	5433606	11N	11	Siltstone		grey	grey	fine	gritty		
CRGFG229	outcrop	GPS	558971	5433710	11N	16	Wacke		brownish	brownish	fine	sandy		
CRGFG230	outcrop	GPS	558858	5433837	11N	9	Gabbro		green	grey green	fine-medium	intrusive		
CRGFG231	outcrop	GPS	558812	5433852	11N	9	Wacke		brownish	grey	fine	sandy		

Appendix 7.2 - Alteration

Station Number	Alteration	Alteartion Degree	Alteration Texture
CRGFG030	CHLORITE	3	Pervasive
CRGFG175	CARBONATE	1	Selective
CRGFG222	ALBITE	3	Pervasive

Appendix 7.3 - Structure

Station Number	UTM E	UTM N	Structure Name	Azimuth	Dip	Quality
CRGFG001	558713.77	5439817.6	bedding	2	60	
CRGFG001	558713.77	5439817.6	cleavage	96	82	
CRGFG002	556892.09	5439361.6	bedding	335	86	
CRGFG002	556892.09	5439361.6	cleavage	252	72	
CRGFG003	556985.34	5439400.8	bedding	352	74	
CRGFG004	556665.21	5439206.1	bedding	330	86	
CRGFG004	556665.21	5439206.1	cleavage	265	72	
CRGFG004	556665.21	5439206.1	bedding	328	88	
CRGFG004	556665.21	5439206.1	cleavage	245	80	
CRGFG005	556496.93	5439086.3	bedding	335	88	
CRGFG006	555787	5437175	bedding	351	46	
CRGFG007	555822.25	5437343.3	bedding	350	52	
CRGFG008	555883.74	5437415.1	bedding	356	48	
CRGFG009	556123.25	5437739.4	bedding	344	76	
CRGFG010	555897.42	5437746	cleavage	345	85	
CRGFG011	555830.1	5437759.8	bedding	352	72	
CRGFG014	555578.54	5436947.3	bedding	348	55	
CRGFG015	555413.72	5437340.4	bedding	342	56	
CRGFG017	555721.63	5437894.6	bedding	352	70	
CRGFG019	558386	5439139	bedding	10	50	
CRGFG020	558591.03	5439332.6	bedding	10	56	MODERATE
CRGFG021	558686.76	5439377.5	bedding	4	39	
CRGFG021	558686.76	5439377.5	veinlet (<10cm)	95	83	
CRGFG023	558680	5439407	bedding	8	28	
CRGFG026	558868	5439202	bedding	0	45	
CRGFG026	558868	5439202	veinlet (<10cm)	102	90	
CRGFG027	558933	5439202	bedding	0	45	MODERATE
CRGFG027	558933	5439202	cleavage	182	50	MODERATE
CRGFG028	558957	5439154	bedding	10	62	
CRGFG030	558823	5438259	bedding	12	48	
CRGFG031	558679	5438215	bedding	1	43	POOR
CRGFG032	558588	5438217	bedding	8	52	
CRGFG033	558540	5438175	bedding	2	52	
CRGFG033	558540	5438175	veinlet (<10cm)	96	80	
CRGFG035	556954	5440642	bedding	350	62	MODERATE
CRGFG035	556954	5440642	cleavage	254	42	
CRGFG036	558602	5439218	bedding	7	54	
CRGFG036	558602	5439218	veinlet (<10cm)	274	89	
CRGFG036	558602	5439218	bedding	7	54	
CRGFG037	558588	5439079	bedding	350	50	
CRGFG037	558588	5439079	cleavage	108	80	

Station Number	UTM E	UTM N	Structure Name	Azimuth	Dip	Quality
CRGFG038	558550	5438815	veinlet (<10cm)	270	82	
CRGFG038	558550	5438815	bedding	2	44	MODERATE
CRGFG040	557920	5441289	bedding	352	42	
CRGFG040	557920	5441289	bedding	3	50	
CRGFG041	557865	5441408	bedding	4	46	
CRGFG042	557936	5441106	bedding	350	49	
CRGFG042	557936	5441106	bedding	348	45	
CRGFG043	557697	5441484	bedding	4	42	
CRGFG044	557688	5441527	bedding	359	56	GOOD
CRGFG045	557597	5441700	bedding	341	56	GOOD
CRGFG046	555955	5440949	bedding	319	86	
CRGFG047	555995	5441052	bedding	145	89	MODERATE
CRGFG048	556010	5441090	bedding	142	89	
CRGFG049	555970	5441245	bedding	312	88	
CRGFG050	555795	5441145	bedding	325	82	POOR
CRGFG051	555711	5441093	bedding	322	88	
CRGFG052	555451	5440936	bedding	144	89	
CRGFG053	555379	5440835	bedding	328	79	
CRGFG054	554970	5440467	bedding	318	78	
CRGFG055	555051	5440181	bedding	318	80	
CRGFG057	557032	5440937	bedding	339	79	
CRGFG058	557023	5440911	bedding	340	81	
CRGFG060	555857	5438820	bedding	345	77	
CRGFG061	555834	5438831	bedding	341	86	
CRGFG062	555805	5438859	bedding	339	80	
CRGFG063	555766	5438843	bedding	339	80	
CRGFG064	555716	5438847	bedding	358	74	
CRGFG065	555695	5438824	bedding	338	72	
CRGFG068	555954	5439200	bedding	340	88	
CRGFG069	555997	5439138	bedding	338	88	
CRGFG071	556211	5439255	bedding	343	88	
CRGFG072	556300	5439367	bedding	340	82	
CRGFG073	556802	5435464	bedding	332	81	
CRGFG074	556950	5435456	bedding	354	69	
CRGFG075	556829	5435469	bedding	344	69	
CRGFG078	557492	5435283	bedding	4	56	
CRGFG079	558600	5435007	bedding	339	76	
CRGFG080	558639	5435098	bedding	339	67	
CRGFG081	558547	5435205	bedding	341	58	
CRGFG082	558518	5435239	bedding	339	72	
CRGFG083	558479	5435347	bedding	350	60	
CRGFG084	558542	5435359	bedding	342	68	
CRGFG085	558551	5435373	bedding	350	62	
CRGFG086	558587	5435450	bedding	345	66	

Station Number	UTM E	UTM N	Structure Name	Azimuth	Dip	Quality
CRGFG087	558631	5435561	bedding	344	77	
CRGFG088	558595	5435720	bedding	346	60	
CRGFG089	558622	5435725	bedding	348	68	
CRGFG089	558622	5435725	cleavage	65	60	
CRGFG089	558622	5435725	veinlet (<10cm)	100	65	
CRGFG090	558604	5435919	bedding	345	48	
CRGFG092	558762	5436069	bedding	174	52	POOR
CRGFG093	558784	5436078	bedding	148	75	
CRGFG095	558815	5436036	bedding	344	62	
CRGFG096	558639	5435309	bedding	342	64	
CRGFG097	558810	5436087	bedding	356	65	
CRGFG098	558829	5436089	bedding	339	70	
CRGFG099	558851	5436063	veinlet (<10cm)	260	82	
CRGFG101	558941	5435942	bedding	178	46	
CRGFG103	558989	5435931	bedding	162	81	POOR
CRGFG104	559022	5436001	bedding	175	60	
CRGFG105	559085	5435917	bedding	183	49	
CRGFG106	559164	5435908	bedding	202	60	
CRGFG107	559117	5435832	bedding	175	63	
CRGFG108	559336	5435924	bedding	182	68	
CRGFG109	559377	5435861	bedding	185	69	
CRGFG111	556315	5439466	bedding	341	88	
CRGFG112	556394	5439421	bedding	338	83	
CRGFG113	556406	5439439	bedding	337	89	
CRGFG114	556457	5439497	bedding	334	89	
CRGFG115	556523	5439576	bedding	330	86	
CRGFG116	556571	5439663	bedding	147	84	
CRGFG117	556644	5439666	bedding	146	86	
CRGFG118	556673	5439677	bedding	142	84	
CRGFG119	556667	5439719	bedding	131	72	POOR
CRGFG119	556667	5439719	cleavage	224	71	POOR
CRGFG120	556676	54397769	bedding	163	77	POOR
CRGFG121	556257	5440780	bedding	328	86	
CRGFG122	556102	5440733	bedding	148	86	
CRGFG123	560574	5439049	bedding	336	69	POOR
CRGFG124	560545	5439049	bedding	176	80	POOR
CRGFG125	560529	5438976	bedding	183	82	
CRGFG126	560466	5438911	bedding	3	80	
CRGFG126	560466	5438911	veinlet (<10cm)	166	80	MODERATE
CRGFG128	560422	5438863	bedding	10	83	POOR
CRGFG129	560250	5439537	bedding	344	86	
CRGFG130	560109	5438509	bedding	359	78	
CRGFG131	560071	5438497	bedding	3	82	

Station Number	UTM E	UTM N	Structure Name	Azimuth	Dip	Quality
CRGFG133	557895	5434013	bedding	2	64	GOOD
CRGFG134	557858	5434023	bedding	2	72	GOOD
CRGFG135	557552	5434275	bedding	359	63	GOOD
CRGFG137	557392	5434215	bedding	16	60	GOOD
CRGFG138	556854	5434211	bedding	3	65	GOOD
CRGFG139	556786	5434296	bedding	14	63	
CRGFG140	556718	5434217	bedding	7	65	
CRGFG141	556615	5434219	bedding	1	61	GOOD
CRGFG142	559180	5441275	cleavage	238	30	GOOD
CRGFG142	559180	5441275	bedding	0	61	GOOD
CRGFG143	559172	5441416	joint	102	87	
CRGFG144	559220	5441355	vein (>10cm)	291	86	POOR
CRGFG144	559220	5441355	bedding	346	39	
CRGFG145	559176	5441370	bedding	12	41	GOOD
CRGFG145	559176	5441370	joint	112	82	GOOD
CRGFG146	559105	5441505	bedding	0	43	GOOD
CRGFG147	555942	5433597	bedding	282	12	MODERATE
CRGFG147	555942	5433597	fold axis	2	12	GOOD
CRGFG149	556101	5433748	bedding	183	44	POOR
CRGFG151	556217	5433810	bedding	22	55	
CRGFG153	556288	5433738	bedding	22	55	
CRGFG155	556481	5433847	bedding	11	60	
CRGFG156	556586	5433894	bedding	10	59	GOOD
CRGFG157	556617	5433872	bedding	10	63	
CRGFG157	556617	5433872	joint	110	56	
CRGFG158	556781	5433886	bedding	16	56	
CRGFG159	556890	5433844	bedding	9	59	
CRGFG160	556011	5433447	bedding	202	18	
CRGFG160	556011	5433447	fold axis	60	25	
CRGFG161	560630	5435627	bedding	216	32	
CRGFG161	560630	5435627	vein (>10cm)	135	85	MODERATE
CRGFG162	560457	5435094	bedding	196	50	GOOD
CRGFG162	560457	5435094	cleavage	79	79	GOOD
CRGFG163	560103	5434919	bedding	188	52	MODERATE
CRGFG163	560103	5434919	veinlet (<10cm)	60	64	MODERATE
CRGFG164	560414	5433742	bedding	186	44	
CRGFG165	560420	5434101	bedding	186	44	
CRGFG166	560141	5434524	bedding	182	57	GOOD
CRGFG167	560168	5435144	bedding	195	57	
CRGFG168	556299	5436811	bedding	352	54	GOOD
CRGFG169	556581	5436809	bedding	348	62	MODERATE
CRGFG170	557082	5436651	bedding	345	57	GOOD
CRGFG172	557455	5436345	bedding	351	63	

Station Number	UTM E	UTM N	Structure Name	Azimuth	Dip	Quality
CRGFG174	559378	5428467	bedding	348	77	GOOD
CRGFG174	559378	5428467	cleavage	219	82	GOOD
CRGFG175	559201	5428307	bedding	352	86	MODERATE
CRGFG176	559079	5428257	bedding	354	79	MODERATE
CRGFG177	558888	5428253	bedding	348	74	GOOD
CRGFG177	558888	5428253	vein (>10cm)	39	86	MODERATE
CRGFG178	558865	5428215	bedding	5	79	GOOD
CRGFG179	558646	5443189	bedding	354	48	GOOD
CRGFG180	558618	5443180	bedding	340	32	GOOD
CRGFG181	558627	5443194	bedding	352	38	GOOD
CRGFG181	558627	5443194	cleavage	108	82	GOOD
CRGFG182	558685	5443211	bedding	348	38	MODERATE
CRGFG182	558685	5443211	cleavage	128	70	GOOD
CRGFG183	557025	5438412	bedding	338	31	GOOD
CRGFG184	557071	5438241	bedding	345	78	GOOD
CRGFG185	557129	5438227	bedding	341	81	MODERATE
CRGFG186	557225	5438202	bedding	345	79	GOOD
CRGFG187	560223	5435307	bedding	192	78	GOOD
CRGFG188	560230	5435496	bedding	188	86	GOOD
CRGFG188	560230	5435496	cleavage	90	88	MODERATE
CRGFG189	560232	5435650	bedding	193	35	GOOD
CRGFG189	560232	5435650	cleavage	82	61	GOOD
CRGFG190	560236	5435703	fault plane	284	62	MODERATE
CRGFG191	560209	5435923	fault plane	204	38	GOOD
CRGFG191	560209	5435923	bedding	178	28	MODERATE
CRGFG192	560172	5436187	veinlet (<10cm)	265	81	GOOD
CRGFG193	560155	5436386	bedding	182	64	MODERATE
CRGFG194	560067	5436594	bedding	184	55	GOOD
CRGFG196	559928	5434725	bedding	194	52	GOOD
CRGFG196	559928	5434725	bedding	194	54	MODERATE
CRGFG197	555555	5555555	bedding	197	47	GOOD
CRGFG198	554772	5440127	bedding	156	78	MODERATE
CRGFG202	554820	5440552	bedding	321	59	GOOD
CRGFG202	554820	5440552	cleavage	197	47	GOOD
CRGFG203	555055	5440455	bedding	322	72	GOOD
CRGFG204	555153	5440659	bedding	322	77	GOOD
CRGFG206	558604	5438385	veinlet (<10cm)	97	88	GOOD
CRGFG206	558604	5438385	bedding	359	49	GOOD
CRGFG208	554278	5442169	bedding	332	88	MODERATE
CRGFG209	554362	5442339	bedding	221	50	MODERATE
CRGFG210	554391	5442389	bedding	351	59	GOOD

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CRGFG210	554391	5442389	cleavage	160	52	GOOD
CRGFG210	554391	5442389	cleavage	276	88	GOOD
CRGFG211	554669	5442621	bedding	340	62	GOOD
CRGFG212	553811	5441645	bedding	326	40	GOOD
CRGFG212	553811	5441645	bedding	60	0	GOOD
CRGFG213	555824	5441304	bedding	132	89	MODERATE
CRGFG214	555624	5441945	bedding	332	87	GOOD
CRGFG216	555370	5441947	bedding	335	79	GOOD
CRGFG217	554708	5442153	bedding	334	60	GOOD
CRGFG218	555107	5442147	bedding	338	75	GOOD
CRGFG218	555107	5442147	cleavage	205	50	GOOD
CRGFG219	555213	5442149	bedding	347	72	GOOD
CRGFG222	555265	5442054	bedding	352	87	GOOD
CRGFG223	554884	5439971	bedding	331	66	GOOD
CRGFG231	558812	5433852	bedding	330	50	GOOD
CRGFG229	558971	5433710	cleavage	84	68	GOOD
CRGFG229	558971	5433710	bedding	204	67	GOOD
CRGFG228	558888	5433606	bedding	192	72	GOOD
CRGFG226	558587	5433574	cleavage	197	40	GOOD
CRGFG224	558596	5434187	bedding	340	55	GOOD
CRGFG225	558553	5433954	cleavage	197	55	MODERATE
CRGFG225	558553	5433954	bedding	350	58	GOOD
CRGFG226	558587	5433574	bedding	330	50	GOOD
CRGFG227	558846	5433524	cleavage	88	62	GOOD
CRGFG227	558846	5433524	bedding	210	55	GOOD
AHGFG002	557687	5441034	fault plane	352	70	MODERATE
AHGFG003	557960	5441070	bedding	348	45	GOOD
AHGFG003	557960	5441070	cleavage	145	72	GOOD
AHGFG006	555056	5440338	bedding	315	72	GOOD
AHGFG006	555056	5440338	joint	210	46	GOOD