BC Geological Survey
Assessment Report
32303

Assessment Report on the 2010 Geological Mapping,

Core re-logging, Spectral and Geophysical program at the

GJ/Kinaskan Property, BC. Canada

Claims Worked On:

392329 to 392333, 392335, 392361, 392362, 392375, 392376, 392379, 392380 to 392382, 413153, 504206, 504368, 505097, 505233, 507681, 508121, 508187, 511073, 522331, 532248, 532251, 532254, 532258 to 532261, 553372, 783442, 783462, 783482, 783502, 783522, 783542, 783562, 783582, 783602, 783622, 783642, 783662, 783682, 783702, 783722, 783742, 783762, 783782, 783802, 783822, 783842, 783862, 783882, 783902, 783922, 783942, 783962, 783982, 784002, 784022, 784042, 784062, 784082, 784102, 784122, 784142, 784162, 784182, 784202, 784222, 784242, 784262, 784282, 784302, 784322, 784342, 784362 and 784382.

Liard Mining Division,
British Columbia, Canada

1:250,000 NTS Map Sheet 104G-069

Latitude / Longitude (centre): 57º39'14" N, 130º15'37"W

UTM: 425062E, 6390993N

Owner: NGEx Resources Inc.
Operator: Teck Resources Limited

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Appendix X Stacked resistivity pseudosections for the 2010 resitivity/IP lines surveyed at GJ. Lines are displayed facing west and the equal spacing. All lines are displayed with the same histogram stretched colour bar. (Figure 12)

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Appendix XVIII Table of Spectral Data point descriptions and Geochemistry

Summary

The GJ copper-gold property is located in Northern British Columbia, approximately 200 kilometres (km) north of the Stewart and 75 km south of Dease Lake. Iskut Village is the closest populated centre and is located 25 km to the northeast. The property is comprised of 80 contiguous mineral claims totalling 37507.96 hectares. Highway 37 (commonly referred to as the Stewart-Cassiar Highway) provides the closest road access to the property.

Mineral exploration has occurred in the area since the early 1950's, with much of the effort focused on the copper-gold porphyry mineralization at the Donnelly Zone. In 2007 the delineated mineralization of the Donnelly Zone was classified as a resource according to the definitions from National Instrument 43-101 and from CIM (2005).

The GJ property comprises Stuhini Group rocks and intrusive rocks (monzodiorite, diorite and monzonite and the Groat Stock) which are overlain by Lower Jurassic Hazelton volcanic rocks. Porphyry-style mineralization is hosted within the Groat stock apophyses and also in the Stuhini Group rocks, but is absent in the Hazelton volcanic strata.

Mineralization is characterized by disseminated, fracture-coating, quartz vein and quartz stockwork-controlled pyrite with variable chalcopyrite, rare bornite and trace molybdenite. Typically chalcopyrite mineralization occurs where pyrite is weak. The causative intrusion or mineralizing intrusive phase has not yet been identified, and as such remains the focus of continued exploration activities.

In August of 2010, Teck Resources entered into an Option Agreement with NGEx (formerly Canadian Gold Hunter; CGH), whereby Teck is granted options to earn up to a 75 % interest in the 100 % NGEx-owned GJ copper-gold property located in northern British Columbia.

Assessment work completed during the 2010 field season was focused on further geological mapping concentrated around the Donnelly Zone. In addition historical drill holes were re-logged, with a keen focus upon mineralization, intrusive lithologies and hydrothermal alteration. Geophysical surveys (ground magnetics and IP) and SWIR spectral studies also formed a large proportion of the work performed during 2010.

The monzonitic lithologies that host mineralization at the GJ property create a challenging environment in which to generate and analyze spectral exploration vectors. Spectral data was collected from within the main mineralized zone at the GJ property. At GJ, chlorite spectra appear to be of more use in exploration vectoring than the more typically used sericite spectra. In future studies chlorite spectra may provide useful vectors towards copper mineralization at GJ: (the ratio of the depths of the 2250 and 2350nm absorption features are a proxy for Mg number in chlorite). This ratio allows for

vectoring towards higher Fe content in chlorite, which is often associated with higher temperature parts of the porphyry system and with increasing copper grades.

Introduction

Summary of 2010 Exploration Program

The 2010 exploration program on the GJ property was carried out between August 1st and October 15th. Work was primarily focused on the Donnelly zone and locations proximal to the GJ camp. Work performed consisted of surface geological mapping, ground magnetics and an induced polarization (I.P.) survey. The geophysics component of the 2010 field season comprised 26-line km of I.P. surveys on nine lines, in addition to 36.75 km of ground magnetic survey. A total of 21 historical diamond drill holes were also selected and re-logged, taking note of lithology, mineralization and hydrothermal alteration. Spectral data points were also recorded from 21 historical drill holes; spectra readings were taken every metre down the selected drill holes.

Location, Access, Infrastructure and Physiography

Location

The GJ property is located in the Liard Mining Division, within the Stikine River region, approximately 200 kilometres north of Stewart, British Columbia (Figure 1). The closest populated centre is Iskut Village, located 12.7 km to the northeast along Highway 37. The Donnelly Zone showing is centred at 424400 E and 6391340 N.

Access

Road access to the property is via Smithers from the south (approximately 7 hours) along Highway 37; commonly referred to as the Stewart-Cassiar Highway. Scheduled air flights from Smithers into Dease Lake also offer access to the surrounding area. A lake resort 15 km to the northeast, known as Tatogga Lake Resort provides a staging area and fuel storage area for the GJ camp and helicopter (Figure 2: Appendix I).

Property access is provided by helicopter from the staging area at Tatogga Lodge (Figure 2: Appendix I). Secondary access to within 12.2 km of the western end of the Donnelly Zone is available from the Willow Creek Forestry Service Road (FSR) which leaves Highway 37 about 36 km south of Tatogga Lake Lodge and follows the Little Iskut River for about 22.4 km.

Infrastructure

The old, “BC Rail” roadbed to Dease Lake (now owned by Canadian National Railway) is situated about 22 km east of Highway 37, while a gravel airstrip capable of handling small aircraft is located just north of Iskut Village. A paved runway and airport is located in Dease Lake. Dease Lake is home to a hardware/grocery store, RCMP office, Government of BC forestry office, small hospital, school, gas station, accommodation, and airport. Iskut Village, 23 km northeast of the property has a nursing station, grocery store, gas station and school.

Physiography

The property is situated atop and along the flanks of the Klastine Plateau. Topography varies from subdued rolling hills on the plateau, to rugged and often steep slopes and cliffs along the deeply incised creek valleys. Elevations on the property range from approximately 1740 metres (m) in the North Zone to 1680 m at the GJ camp. At the western end of the presently defined Donnelly Zone elevations are 1400 m. The climate in the area is northern temperate, with moderately warm summers and cold dry winters. Typical daytime temperature ranges are from the mid to upper 20º Celsius (ºC) in summer and -20º to -30º C in winter. Precipitation averages about 100 cm. per year. Thick accumulations of snow are common in winter.

Fieldwork can normally start at lower elevations in early June and at the upper elevations by July. Cold weather, winds and snow squalls make field work difficult at the upper elevations past mid-October.

Glacial overburden cover is extensive, reaching up to 20 m thick in places. Steeply incised valleys occur along Groat Creek in the GJ Zone and along Donnelly Creek, where the creeks have incised through the plateau surface. Vegetation is limited and consists primarily of alpine grasses, flowers and lichen on the plateau with occasional shrubs and stunted spruce in hollows or wind protected areas. Poplar and slide-alder are common at the lower elevations along creek valleys, while spruce and balsam are common along the steeper slopes overlooking Kinaskan Lake to the east, Nuttlude Lake to the west and along both sides of Quash Creek to the north. At about 1310 m elevation a band of sub-alpine scrub meanders throughout the property. The tree line is at approximately 1370 m elevation.

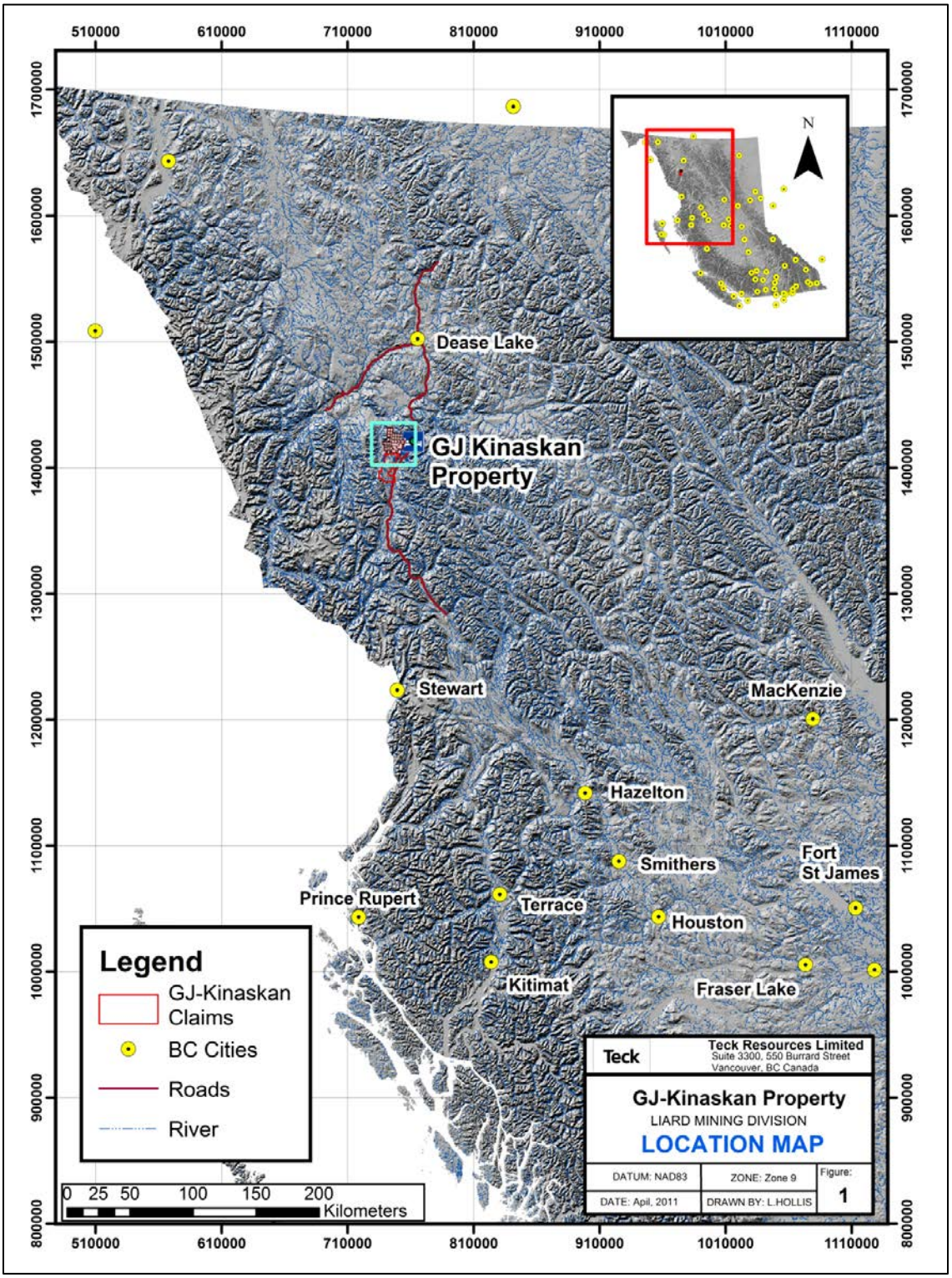


Figure 1: Location map of the GJ Kinaskan Property, in relation to British Columbia.

Property Status

The GJ property includes 80 contiguous mineral claims, located in the Liard Mining Division of Northern BC and centered on $57^0$40' N, $130^0$15' W. The claims are listed below in Table 1 and illustrated in Figure 2/Appendix I. The claims are located on Crown land and encompass a total of 37507.96 hectares.

In August 2010 Teck Resources Limited (Teck) entered into an Option Agreement with NGEx Resources Inc. (NGEx) whereby Teck was granted options to earn up to a 75% interest in NGEx's 100% owned GJ copper-gold property located in northern British Columbia by making the following cash payments and expenditures:

GJ Option Agreement with Teck: $100,000 cash payment to NGEx upon signing initial agreement.

1st Option: Teck will have the option to earn an initial 51% in the project by making the following expenditures:

On or Before	**Cumulative Aggregate Expenditures**
December 31, 2011	$2,500,000
December 31, 2012	$5,000,000
December 31, 2013	$8,000,000
December 31, 2014	$12,000,000

2nd Option: Upon making the initial cash payment and incurring $12,000,000 in expenditures under the 1st Option Teck will have a one-time option to elect to earn an additional 9% interest for a total of 60% interest by sole funding an additional $12,000,000 in expenditures prior to December 31, 2017 (with a minimum required annual expenditure of $4,000,000 per year).

3rd Option: Upon exercising the 2nd Option Teck will have a one-time option to earn an additional 15% interest for a total of 75% interest by sole funding another $20,000,000 in expenditures prior to December 31, 2020 (with a minimum required annual expenditure of $4,000,000).

If Teck exercises all its available options it will spend $44 million to earn 75% interest in the GJ Project.

Table 1: GJ/Kinaskan Claim List

Tenure_Number	Claim_Name	Issue_Date	Good_to_Date	New_Good_to_date	Area_Hctrs
392329	QC 1	3/7/2002	4/7/2011	4/17/2017	500.00
392330	QC 2	3/7/2002	4/7/2011	4/17/2017	500.00
392331	QC 3	3/7/2002	4/7/2012	4/17/2017	500.00
392332	QC 4	3/7/2002	4/7/2012	4/17/2017	500.00
392333	QC 5	3/7/2002	4/7/2012	4/17/2017	500.00
392335	QC 7	3/7/2002	4/7/2011	4/17/2017	500.00
392361	HORN 1	3/7/2002	4/7/2012	4/17/2017	450.00
392362	HORN 2	3/7/2002	4/7/2011	4/17/2017	450.00
392375	SH 1	3/10/2002	4/7/2011	4/17/2017	500.00
392376	SH 2	3/10/2002	4/7/2011	4/17/2017	500.00
392379	SS 1	3/10/2002	4/7/2011	4/17/2017	450.00
392380	SS 2	3/10/2002	4/7/2011	4/17/2017	450.00
392381	SS 3	3/10/2002	4/7/2011	4/17/2017	450.00
392382	SS 4	3/10/2002	4/7/2011	4/17/2017	450.00
413153	KJ	8/9/2004	4/7/2012	4/17/2017	500.00
504206	MJ	1/18/2005	4/7/2016	4/17/2017	432.85
504368		1/20/2005	4/7/2016	4/17/2017	432.86
505097		1/28/2005	4/7/2016	4/17/2017	779.52
505233	NJ	1/31/2005	4/7/2016	4/17/2017	311.78
507681		2/22/2005	4/7/2016	4/17/2017	1367.93
508121		20050301	4/7/2016	4/17/2017	1471.31
508187		3/2/2005	4/7/2016	4/17/2017	1297.60
511073	PJ	4/19/2005	4/7/2016	4/17/2017	311.54
522331	RJ	11/16/2005	2016-0-407	4/17/2017	415.62
532248	SJ	4/17/2006	4/17/2016	4/17/2017	311.72
532251	TJ	4/17/2006	4/17/2016	4/17/2017	363.50
532254	VJ	4/17/2006	4/17/2016	4/17/2017	415.19
532258	WJ	4/17/2006	4/17/2016	4/17/2017	415.20
532259	XJ	20060417	4/17/2016	4/17/2017	415.22
532260	YJ	4/17/2006	4/17/2016	4/17/2017	415.23
532261	ZJ	4/17/2006	4/17/2016	4/17/2017	259.50
553372		3/2/2007	4/7/2016	4/17/2017	433.20
783442	WILLOW 001	6/1/2010	6/1/2011	6/17/2015	364.13
783462	WILLOW 002	6/1/2010	6/1/2011	6/17/2015	433.45
783482	WILLOW 003	6/1/2010	6/1/2011	6/17/2015	433.46
783502	WILLOW 004	6/1/2010	6/1/2011	6/17/2015	433.48
783522	WILLOW 005	6/1/2010	6/1/2011	6/17/2015	398.77
783542	WILLOW 006	6/1/2010	6/1/2011	6/17/2015	433.50
783562	WILLOW 007	6/1/2010	6/1/2011	6/17/2015	433.72
783582	WILLOW 008	6/1/2010	6/1/2011	6/17/2015	433.71

Tenure_Number	Claim_Name	Issue_Date	Good_to_Date	New_Good_to_date	Area_Hctrs
783602	WILLOW 009	6/1/2010	6/1/2011	6/17/2015	433.71
783622	WILLOW 010	6/1/2010	6/1/2011	6/17/2015	433.71
783642	WILLOW 011	6/1/2010	6/1/2011	6/17/2015	433.69
783662	WILLOW 012	6/1/2010	6/1/2011	6/17/2015	433.98
783682	WILLOW 013	6/1/2010	6/1/2011	6/17/2015	433.97
783702	WILLOW 014	6/1/2010	6/1/2011	6/17/2015	433.96
783722	WILLOW 015	6/1/2010	6/1/2011	6/17/2015	433.95
783742	WILLOW 016	6/1/2010	6/1/2011	6/17/2015	347.16
783762	WILLOW 017	6/1/2010	6/1/2011	6/17/2015	434.23
783782	WILLOW 018	6/1/2010	6/1/2011	6/17/2015	434.22
783802	WILLOW 019	6/1/2010	6/1/2011	6/17/2015	434.22
783822	WILLOW 020	6/1/2010	6/1/2011	6/17/2015	434.21
783842	WILLOW 021	6/1/2010	6/1/2011	6/17/2015	434.47
783862	WILLOW 022	6/1/2010	6/1/2011	6/17/2015	434.47
783882	WILLOW 023	6/1/2010	6/1/2011	6/17/2015	434.48
783902	WILLOW 024	6/1/2010	6/1/2011	6/17/2015	434.47
783922	WILLOW 025	6/1/2010	6/1/2011	6/17/2015	399.70
783942	WILLOW 025	6/1/2010	6/1/2011	6/17/2015	434.71
783962	WILLOW 026	6/1/2010	6/1/2011	6/17/2015	434.71
783982	WILLOW 027	6/1/2010	6/1/2011	6/17/2015	434.73
784002	WILLOW 028	6/1/2010	6/1/2011	6/17/2015	434.73
784022	WILLOW 029	6/1/2010	6/1/2011	6/17/2015	434.93
784042	WILLOW 030	6/1/2010	6/1/2011	6/17/2015	434.94
784062	WILLOW 031	6/1/2010	6/1/2011	6/17/2015	434.95
784082	WILLOW 032	6/1/2010	6/1/2011	6/17/2015	434.97
784102	WILLOW 033	6/1/2010	6/1/2011	6/17/2015	435.18
784122	WILLOW 034	6/1/2010	6/1/2011	6/17/2015	435.18
784142	WILLOW 035	6/1/2010	6/1/2011	6/17/2015	435.19
784162	WILLOW 036	6/1/2010	6/1/2011	6/17/2015	435.21
784182	WILLOW 037	6/1/2010	6/1/2011	6/17/2015	417.95
784202	WILLOW 038	6/1/2010	6/1/2011	6/17/2015	417.99
784222	WILLOW 039	6/1/2010	6/1/2011	6/17/2015	435.57
784242	WILLOW 040	6/1/2010	6/1/2011	6/17/2015	435.59
784262	WILLOW 041	6/1/2010	6/1/2011	6/17/2015	435.59
784282	WILLOW 042	6/1/2010	6/1/2011	6/17/2015	435.60
784302	WILLOW 043	6/1/2010	6/1/2011	6/17/2015	435.59
784322	WILLOW 044	6/1/2010	6/1/2011	6/17/2015	417.98
784342	WILLOW 045	6/1/2010	6/1/2011	6/17/2015	400.50
784362	WILLOW 046	6/1/2010	6/1/2011	6/17/2015	435.38
784382	WILLOW 047	6/1/2010	6/1/2011	6/17/2015	348.21

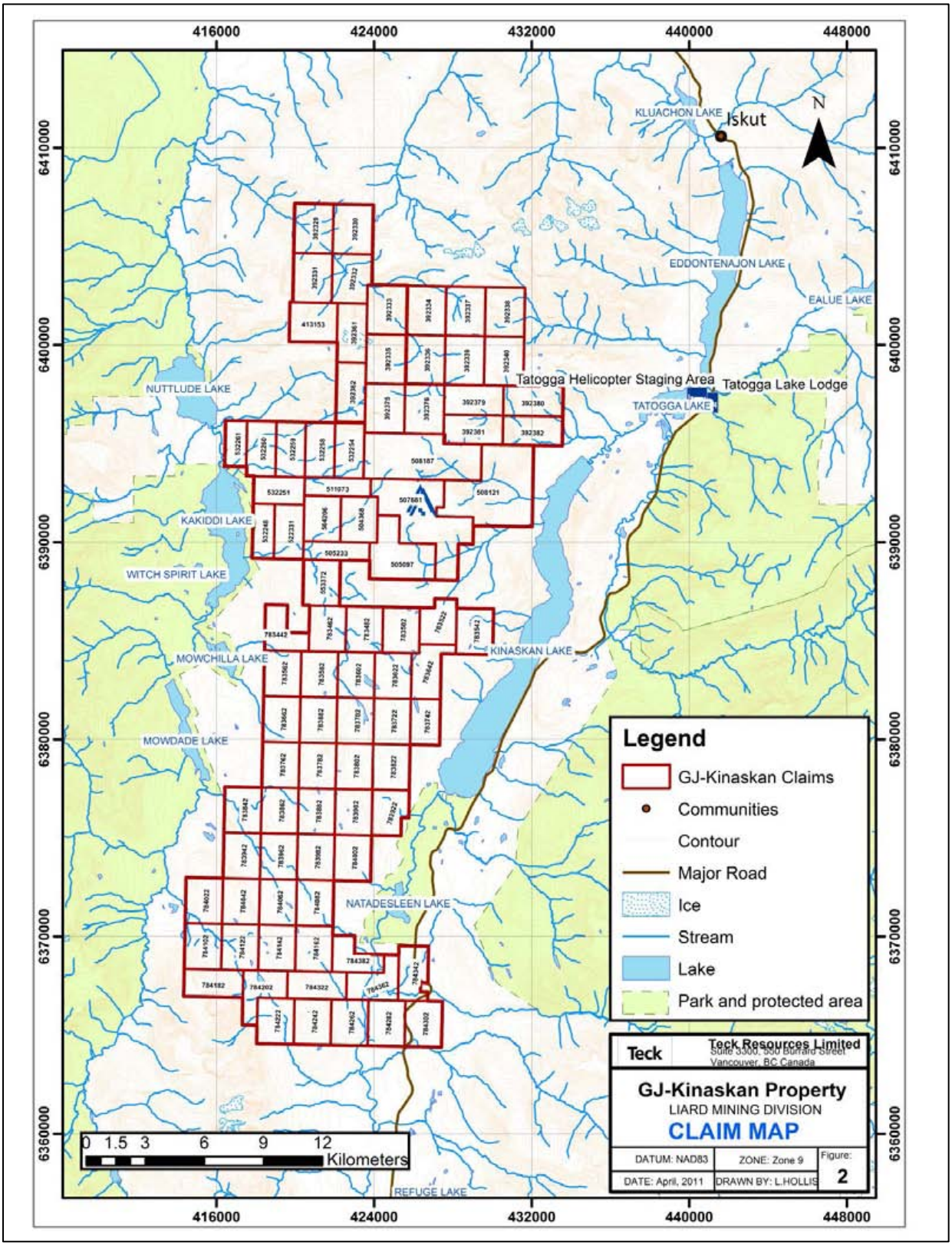


Figure 2: Claim map of the GJ-Kinaskan Property. See Appendix I for large-scale map detailing claim boundary and claim numbers.

History

The GJ project is located in the Stikine River area of north-western British Columbia; a region well known for its sub-alkalic plutons, associated porphyry copper-gold mineralization and peripheral gold-silver bearing quartz veins (Mehner, 2005).

The following historical review has been excerpted from a technical report produced for Canadian Gold Hunter (CGH) by Mehner et al., 2007.

In the 1950's and 1960's the Geological Survey of Canada (GSC) mapped in the region; this was followed by an airborne magnetic survey between 1975 and 1978.

The first recorded exploration work carried out in the project area was in 1964, when Conwest carried out a regional evaluation of the Klastine Plateau and identified several porphyry copper-gold and precious metal shear-vein targets of the plateau, including the GJ and QC porphyry systems and the Horn (SF) silver prospect. Subsequent to staking claims over these areas of interest, Conwest carried out follow-up exploration programs. At GJ in 1964, this included mapping and prospecting of outcrop exposures along Groat Creek with limited silt and soil geochemical surveys near mineralized outcrops. This was followed by completion of 1.52 km of I.P. and 1.83 km of ground magnetometer surveys, over 2 perpendicular lines centred on the GJ showing.

In 1970, Amco optioned the GJ project from Conwest and carried out 32 km of I.P. and ground magnetic surveying accompanied by geological mapping and soil sampling in the area of the main showing. Then they began drilling BQ diamond drill holes totalling 1529.8 metres (the "starburst" holes from a single drill set-up on the main showing in Groat Creek. In 1971, Amco constructed a rough access road from the south-west end of Kinaskan Lake up to the south end of the Klastine Plateau, thence northward to the GJ showing and the headwaters of Groat Creek. They carried out further geological mapping and, having barged a diamond drill across the lake and up the access road, drilled an additional 2479.1 metres of BQ drill core in 14 drill holes, 9 of which were in the GJ zone and 5 in the North Zone.

In October 1975, the Amco claims were allowed to lapse and the 12 unit GJ claim was staked over the GJ showing and targeted by United Mineral Services Ltd. (UMS). A few days later Texasgulf staked claims to the west, north and northeast, effectively covering what are now referred to as the Donnelly, North Donnelly and North Zones.

In 1976, Great Plains Development Corp (Great Plains) (whose assets were subsequently transferred to the parent company Norcen Energy Resources Ltd. (Norcen in October 1978) optioned the GJ property from UMS and carried out geological mapping, geochemical surveys, 22 metres of trenching, along with constructing a 15.5 km picket-line grid for ground magnetic survey. During the same year, Texasgulf constructed a further 10.6 km of picket-line grid over the Donnelly showing, completed I.P. and ground magnetic surveys over the grid. They also completed geological mapping and 51 metres of trenching.

The following year Great Plains implemented an I.P. survey over the 15.5 km GJ grid, as well as, deep overburden geochemical sampling. Great Plains subsequently dropped their option on the claims. Texasgulf continued exploration of the Donnelly target by extending the picket-line grid a further 13.1 km, carrying out 18.5 km of I.P. surveys, collecting 75 bedrock samples using a hand-held, gas-powered drill. They then tested the Donnelly target with ten BQ diamond drill holes totalling 1523.9 m.

No further work was carried out on the Donnelly zone until 1980, when Texasgulf returned to the property and drilled an additional 1115.0 m of BQ drill core in five holes, including four new holes and the deepening of the existing hole (Tg-yy-04). Texasgulf was ultimately acquired by Falconbridge

Limited (Falconbridge), which in turn has been taken over by Xstra Plc. Falconbridge carried out no further exploration work and allowed the claims to lapse in 2000.

In 1989, Ascot Resources Ltd. (Ascot) optioned a large number of claims covering the eastern half of the Klastine Plateau, plus the GJ property from Curator. Fieldwork in 1989 comprised taking 73 silt samples from drainages around the GJ target, 62 rock chip samples from exposures along creeks, and construction of a flagged grid from which 389 bedrock surface rock ship samples were collected using a gas-powered drill. Ascot collected 274 soil samples from contour lines along the plateau edge, conducted 20.7 km of I.P. and ground magnetics on a flagged grid and then drilled 1656 m of BTW (1.654 inch diameter) sized core in nine holes before dropping the option.

From 1990 to 2000 the area remained inactive, apart from a regional mapping program carried out over the Tatogga Lake area, including the Klastine Plateau. This work, at 1:50,000 scale, was completed by the British Columbia Ministry of Energy, Mines and Petroleum Resources (Ash et al., 1997b).

In 2000, Curator carried out small exploration program; collecting 18 rock and 61 soil samples from newly staked ground covering the Donnelly and North targets. This was followed in 2002 with the first program of a multi-year, systematic evaluation of the copper-gold porphyry mineralization related to the Groat stock. Work involved the construction of a picket-line grid and the implementation of 17.85 km of I.P. and ground magnetic surveys focused on the Donnelly target.

In mid-2003, by merging with Royal County, Curator acquired claims covering most of the remaining portions of Klastline Plateau including those immediately east and north of the North and GJ zones. Work carried out included extending the Donnelly picket grid east and north to cover the North Zone, geological mapping, prospecting, hand trenching and sampling, contour soil sampling, bedrock surface sampling, and 18.35 km of I.P. and ground magnetic surveys. In the fall, an airborne magnetic survey was flown over the entire plateau area. In December 2003, Curator underwent a corporate reorganization and changed its name to Canadian Gold Hunter Corp.

In 2004, the Canadian Gold Hunter (CGH) extended the picket-line grids north of the Donnelly grid and east and south of the North grid. A further 17.45 km of I.P. and 24.5 km of ground magnetic survey were completed, additional drilling in the North, GJ East and Donnelly Zone were carried out and detailed silt sampling of drainages emanating from the porphyry zones were conducted, along with rock and soil sampling. A total of 4236.0 m of BTW sized core were drilled in 20 holes divided equally between the North and Donnelly Zones (Mehner and Peatfield, 2005).

Early 2005, CGH made the final payment to 650399 BC Ltd. and acquired a full 100% interest in the property, subject to the 1% NSR. CGH staked four new claims totaling 1471.79 hectares in the southwest portion of the property, as well as merging the GJ, JJ, BJ, LJ, DJ, OJ, Spike #1, Spike #2, T1 to T4 and Sh3 and SH4 into new claims using the MTO tenure management system implemented by the BC Ministry of Energy and Mines. In 2006, seven additional claims (SJ, TJ, VJ, WJ, XJ, YJ, ZJ) totaling 2595.56 hectares were staked west and northwest of the main area of interest. In March 2007 a single claim (433.202 Ha) was staked to the south.

In 2005, CGH accelerated the program on the property, concentrating largely on diamond drilling. An additional 11.3 line km of I.P. and 34.9 line km of ground magnetometer surveying expanded and filled in previous coverage. Soil sampling surveys were expanded. Thirteen hand trenches totaling 784 linear m were excavated and sampled. Selected intervals of core from the Amoco, Canorex and Texasgulf programs were re-sampled for comparative assays. A total of 11,730 m of diamond drilling in 37 holes was completed, mostly in the Donnelly Zone. For details of these various surveys, refer to Mehner and Peatfield (2006). In 2006, CGH continued work on the property, with a major diamond drilling program and ancillary studies.

In summary 268 diamond drill holes have been drilled by five separate companies testing geophysical and geochemical anomalies associated with porphyry copper-gold mineralization exposed in outcrops along the northwest, west and southwest margins of the Groat Stock.

Economic Assessment

The 2006 drilling significantly expanded the limits of copper-gold mineralization within the Donnelly Zone and discovered the new North Donnelly Zone. CGH considered it prudent that they commission a review and up-dated resource estimates for the Donnelly Zone, and an initial estimate for the North Donnelly Zone. G.R.Peatfield, an independent consultant reviewed the data for both zones. G.H.Giroux was retained to prepare a computer-generated block model resource estimate for the Donnelly Zone, based on the historic, 2004, 2005 and 2006 drill results. Peatfield was also asked to prepare an up-to-date manual sectional estimate for the Donnelly Zone, as well as complete an initial manual estimate for North Donnelly. Summaries of these estimates follow in Table2, Table 3 and 4):

Table 2: Summary of Giroux estimates of indicated resources – Donnelly Zone

Resource Category	Cut-off (% Cu)	Million tonnes	Copper (%)	Gold (gpt)	Silver (gpt)
Indicated	0.05	254.74	0.219	0.262	n/a[1]
Inferred	0.05	48.78	0.175	0.210	n/a
Indicated	0.10	217.82	0.243	0.283	n/a
Inferred	0.10	36.94	0.207	0.236	n/a
Indicated	0.15	172.15	0.274	0.312	n/a
Inferred	0.15	25.72	0.244	0.262	n/a
Indicated	0.20	123.09	0.314	0.352	n/a
Inferred	0.20	16.05	0.286	0.291	n/a
Indicated	0.25	83.29	0.357	0.391	n/a
Inferred	0.25	9.18	0.332	0.321	n/a
Indicated	0.30	52.19	0.406	0.437	n/a
Inferred	0.30	4.70	0.390	0.356	n/a
Indicated	0.35	32.99	0.456	0.494	n/a
Inferred	0.35	2.64	0.444	0.395	n/a
Indicated	0.40	21.30	0.502	0.549	n/a
Inferred	0.40	1.59	0.490	0.438	n/a
Indicated	0.45	12.80	0.554	0.623	n/a
Inferred	0.45	0.99	0.533	0.485	n/a
Indicated	0.50	7.62	0.609	0.713	n/a
Inferred	0.50	0.56	0.576	0.527	n/a
Indicated	0.55	4.82	0.659	0.799	n/a
Inferred	0.55	0.26	0.643	0.607	n/a
Indicated	0.60	3.09	0.707	0.866	n/a
Inferred	0.60	0.16	0.684	0.655	n/a
Indicated	0.65	1.94	0.755	0.956	n/a
Inferred	0.65	0.106	0.723	0.659	n/a
Indicated	0.70	1.26	0.801	0.996	n/a
Inferred	0.70	0.053	0.761	0.772	n/a
Indicated	0.75	0.91	0.831	1.017	n/a
Inferred	0.75	0.027	0.793	0.847	n/a
Indicated	0.80	0.62	0.861	1.055	n/a
Inferred	0.80	0.013	0.803	0.908	n/a

Peatfield's manual sectional estimates of indicated and inferred resources for the Donnelly Zone are presented in Table 3.

Table 3: Peatfield's 2007 manual resource estimates for the Donnelly Zone

Resource Category	Cut-off (% Cu)	Million tonnes	Cu (%)	Au (gpt)	Ag (gpt)
Indicated	0.05	230.41	0.240	0.282	1.8
Inferred	0.05	21.91	0.217	0.248	1.4
Indicated	0.10	186.03	0.280	0.317	1.9
Inferred	0.10	16.97	0.258	0.286	1.6
Indicated	0.15	141.35	0.328	0.362	2.1
Inferred	0.15	13.33	0.295	0.317	1.7
Indicated	0.20	116.93	0.361	0.398	2.2
Inferred	0.20	9.87	0.336	0.365	1.8
Indicated	0.25	84.35	0.413	0.447	2.5
Inferred	0.25	6.14	0.405	0.442	2.1
Indicated	0.30	66.46	0.451	0.487	2.5
Inferred	0.30	5.03	0.433	0.469	2.2
Indicated	0.35	48.67	0.498	0.532	2.6
Inferred	0.35	3.80	0.468	0.497	2.2
Indicated	0.40	32.61	0.558	0.601	2.8
Inferred	0.40	2.25	0.528	0.573	2.3

Peatfield's manual sectional estimates of inferred resources for the North Donnelly Zone are presented in Table 4.

Table 4: Peatfield's 2007 estimate of inferred resources – North Donnelly Zone

Resource Category	Cut-off (% Cu)	Million tonnes	Copper (%)	Gold (gpt)	Silver (gpt)
Inferred	0.05	73.38	0.142	0.208	1.2
Inferred	0.10	44.81	0.187	0.274	1.5
Inferred	0.15	22.67	0.245	0.362	1.8
Inferred	0.20	13.75	0.294	0.462	1.9
Inferred	0.25	9.76	0.324	0.533	2.0
Inferred	0.30	5.29	0.360	0.589	2.0
Inferred	0.35	1.83	0.409	0.762	2.5
Inferred	0.40	0.24	0.668	0.673	3.3

Regional Geology

A regional geologic and metallogenic program was implemented by Ash et al., during 1994, the results of which have been chronicled in several Geological Fieldwork publications by the BCGS (Ash *et al.,* 1994, Ash *et al.,* 1995 and Ash *et al.,* 1996: Figure 4; Appendix II). The program was initiated to investigate the geology and associated mineral deposits of the Stikine Terrance along the northern margin of the Bowser Basin

in north western British Columbia. Ash *et al.,* (1996) presented an updated stratigraphic framework for the regional geology (Appendix II).

Mesozoic volcanic rocks underlie most of the study area and also host all known mineral occurrences. These rocks are divisible into three distinctive stratigraphic successions: Upper Triassic Stuhini Group, the overlying Jurassic Hazelton Group and a related suite of monzonitic stocks (ca. 205 to 198 Ma) (Ash *et al.,* 1996).

The following regional geology has been excerpted from the 2007 Technical Report on the GJ property (Mehner *et al.,* 2007).

The Kinaskan Lake property is located in the north-east part of the Stikine Arch, within the Stikine Terrane ("Stikinia") of the Canadian Cordillera (Figure 3). The regional geology (Figure 4) as mapped by Ash et al. (1995; 1996; 1997a; 1997b), includes Upper Triassic Stuhini Group marine clastic sedimentary rocks including pelagic to fine grained wackes with minor volcanic conglomerate, limestone and mafic volcanic rocks. These are overlain by Lower Jurassic rocks considered by most to be correlative with the Hazelton Group. These include a lower volcaniclastic and derived epiclastic sequence of trachyandesite composition overlain by a bi-modal, basalt– rhyolite suite consisting of augite-andesite flows, pillow lavas, pyroclastic and derived volcaniclastic rocks alternating with felsic flows and pyroclastic rocks. Unconformably overlying the above units (to the south) are chert pebble conglomerate, grit, greywacke and siltstone of the Middle Jurassic Bowser Lake Group (Ash et al., 1997a).

Transecting the Upper Triassic to Middle Jurassic assemblages are a distinctive suite of massive, flow banded and locally spherulitic rhyolites and associated pyroclastics that have been variously interpreted as Lower Jurassic (Read, 1984) or Upper Cretaceous to Lower Tertiary (Souther, 1972) in age.

Capping the stratigraphy at the higher elevations are Upper Tertiary and Pliocene to Recent basalt and olivine basalt flows, commonly exhibiting excellent columnar jointing.

Intrusive rocks in the Klastline Plateau area are typically fine- to medium-grained dykes, sills and plutons of Early Jurassic age (Ash et al, 1997b) with compositions varying from diorite to granodiorite, monzodiorite, monzonite and syenite. A U-Pb zircon determination of 205.1 $\pm$ 0.8 Ma for the Groat Stock (Friedman and Ash, 1997) dates this intrusive body as probably Late Triassic (see previous footnote) and suggests that it is slightly older than the presumed lower volcaniclastic sequence in the Hazelton Group, from which a U-Pb zircon date of 202.1 $\pm$ 4.2 Ma was obtained from ". . . quartz-phyric alkali trachyte clasts from the volcanic breccia unit . . . ."(Friedman, 1995; quoted in Ash, et al., 1997b). This occurrence was on the north side of Ealue Lake, some 12 km to the north-east of the Groat Stock.

More recent dating has yielded a U-Pb age of 206.81 $\pm$ 0.65 Ma for Donnelly Zone monzodiorite (the same unit that hosts the copper-gold mineralization) and a U-Pb age of 206.25 $\pm$ 0.39 Ma for slightly more mafic, Groat Stock monzodiorite (Danni Aldrick, British Columbia Geological Survey Branch, e-mail communication, July 14, 2006).

A younger intrusive suite includes alkali-granite to felsite dykes that range from a few metres to over a kilometre in width and are coeval with felsic volcanic rocks in the upper volcanic sequence of the Hazelton Group. U-Pb zircon age dates (Ash et al., 1997b) were reported from an alkali granite dyke (180.0 +/- 10.1/-1.0 Ma) and massive fine-grained quartz porphyritic rhyolite (181.0 +/- 5.9/-0.4 Ma) within the Hazelton sequence.

Regional Mineralization

Regionally, intrusive rocks fall within the Stikine Arch structural domain, a regional feature along which Late Triassic-Early Jurassic intrusive and related volcanic activity took place. Commonly the quartz deficient, alkali and sub-alkalic intrusive rocks, including the Groat Stock and related dykes and sills on the property are associated with copper-gold porphyry and/or precious metal systems. Significant deposits of this type in the region include:

- **Red Chris,** which is located approximately 80 km south of Dease Lake and approximately 25 km east of the GJ property, has recently been updated with a reserve of 301.5 million tonnes grading 0.359% Cu and 0.274 g/t Au (Norris et al., 2011). An updated resource estimate of 619 million tonnes (measured and indicated) at 0.38% Cu and 0.36g/t Au (at 0.1% Cu equivalent cut-off, with inferred resources of more than 619 million tonnes at 0.30% Cu and 0.32 g/t Au).

- **Galore Creek,** is situated approximately 100 km south west of the GJ property. The current resource estimate includes 786 million tonnes of measured and indicated resource grading 0.5% Cu and 0.3g/t Au, with an additional inferred resource of 411 million tonnes grading 0.4 % Cu and 0.3 g/t Au (NovaGold Resources Inc.).

- **Schaft Creek,** also situated near to the Stewart-Cassiar Highway and approximately 60 km southwest of the GJ property. A preliminary feasibility study estimated the current Mineral Reserve at Schaft Creek to be: a proven reserve of 411 million tonnes at 0.316% Cu and 0.236g/t Au and a probable reserve of 409.9 million tonnes at 0.283% Cu and 0.186 g/t Au (Copper Fox metal Inc.). A feasibility study for Schaft Creek is expected to be completed by the end of June 2011.

The close clustering, both spatially and temporally of the above known local porphyry copper-gold deposits indicate that GJ sits within a geologically-favorable location for porphyry copper-gold formation at this time.

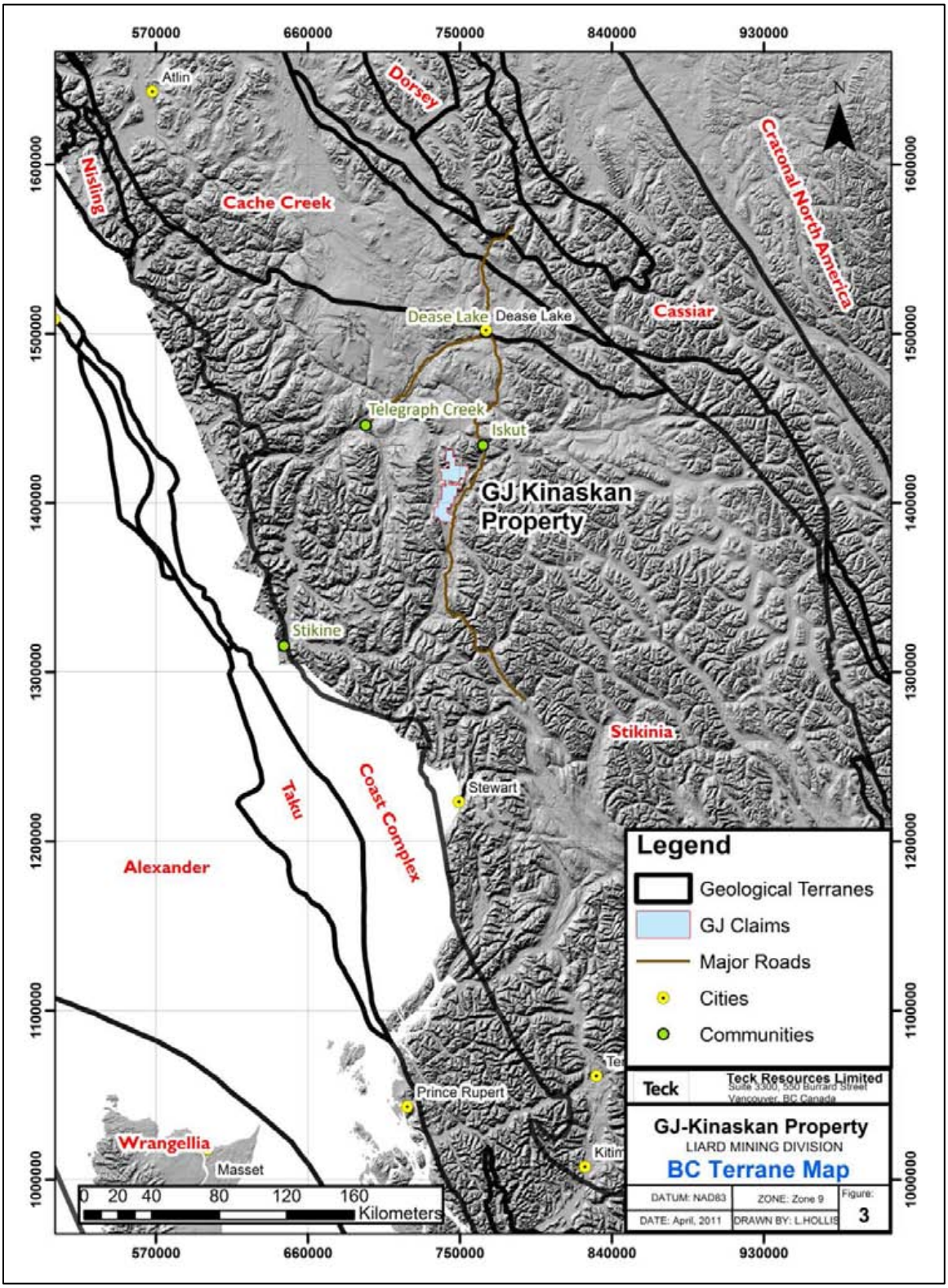


Figure 3: Terrane map of British Columbia, showing the location of the GJ-Kinaskan property

Property Geology

The geological understanding of the GJ property was advanced in the 2010 field season and builds upon that documented in the Technical Report produced by Mehner *et al.,* 2007 from Canadian Gold Hunter. A summary of the key geological descriptions from that report is presented herein:

The southern third of the property is underlain by Stuhini Group rocks which are intruded by the Groat Stock and its various apophyses, all unconformably overlain by Lower Jurassic Hazelton volcanic rocks (Figure 4; Appenix II). Porphyry-style alteration and copper-gold mineralization occur within the stock apophyses and in the Stuhini Group rocks, but not in the Hazelton volcanic strata.

Within the project area, Stuhini Group rocks grade from distal, deep marine basin sediments characterized by massive to thinly bedded cherts and graphitic cherts, interbedded with minor siliceous siltstones, mudstones, feldspathic wackes, rare limestone and occasional augite phyric basalt flows over the GJ Zone and eastern portions of the Donnelly Zone. These rocks grade to predominantly feldspathic wackes interbedded with siltstones, massive to laminated basalt tuff, lapilli tuff and volcanic breccia with discontinuous lenses of poorly sorted coarse sandstones to polymictic, pebble and cobble conglomerates over the west central Donnelly Zone. All these rocks have been intruded by the Groat Stock (Figure 5: Appendix III).

The siltstones vary from buff to light grey and pale green, cherts vary from white to black and the wackes vary from grey to brown depending upon biotite content. Radiolarian fauna taken from these fine grained sediments near the southwestern boundary of the Groat Stock are Middle(?) to Late Triassic in age (Ash et al., 1997b).(Figure 4: AppendixII).

The Stuhini Group conglomerates are reworked mafic to intermediate volcaniclastic rocks and siltstones, likely representing debris flows or lahars related to intra-basinal slumping. Compositions vary from laminated siltstones to augite porphyry basalt to probably andesite or trachyandesite. At least some of these, which we interpret as Stuhini Group, may have been included by Ash et al (1997a; 1997b) in the lower volcanic suite of the Hazelton Group. The rocks vary from matrix to clast-supported, with clasts ranging from mm-sized grains through pebbles to cobbles and locally boulders. The unit is typically light grey to grey-green. The best exposure and thickest occurrence of these conglomerates occur immediately northeast of the North Zone. Similar, but much thinner intervals of conglomerate interbedded with siltstones and wackes were intersected in drill holes in the central part of the North Zone and throughout the central and western Donnelly Zone.

The basalt flows are dark grey to green or black. They appear to be massive, contain augite ± plagioclase phenocrysts, and are restricted to the GJ Zone and both northern and southern limits of the Donnelly Zone. They vary from weakly altered and barren to strongly altered, with quartz-chalcopyrite-pyrite and/or chalcopyrite-pyrite veining.

The basalt tuffs, lapilli tuffs and volcanic breccias vary from massive, dark grey- green-black, to thinly bedded dark grey to black with pale green siltstone to feldspathic wacke interbeds. Lapilli and volcanic fragments are generally difficult to identify. The basalt pyroclastic rocks are largely restricted to the western portion of the Donnelly Zone.

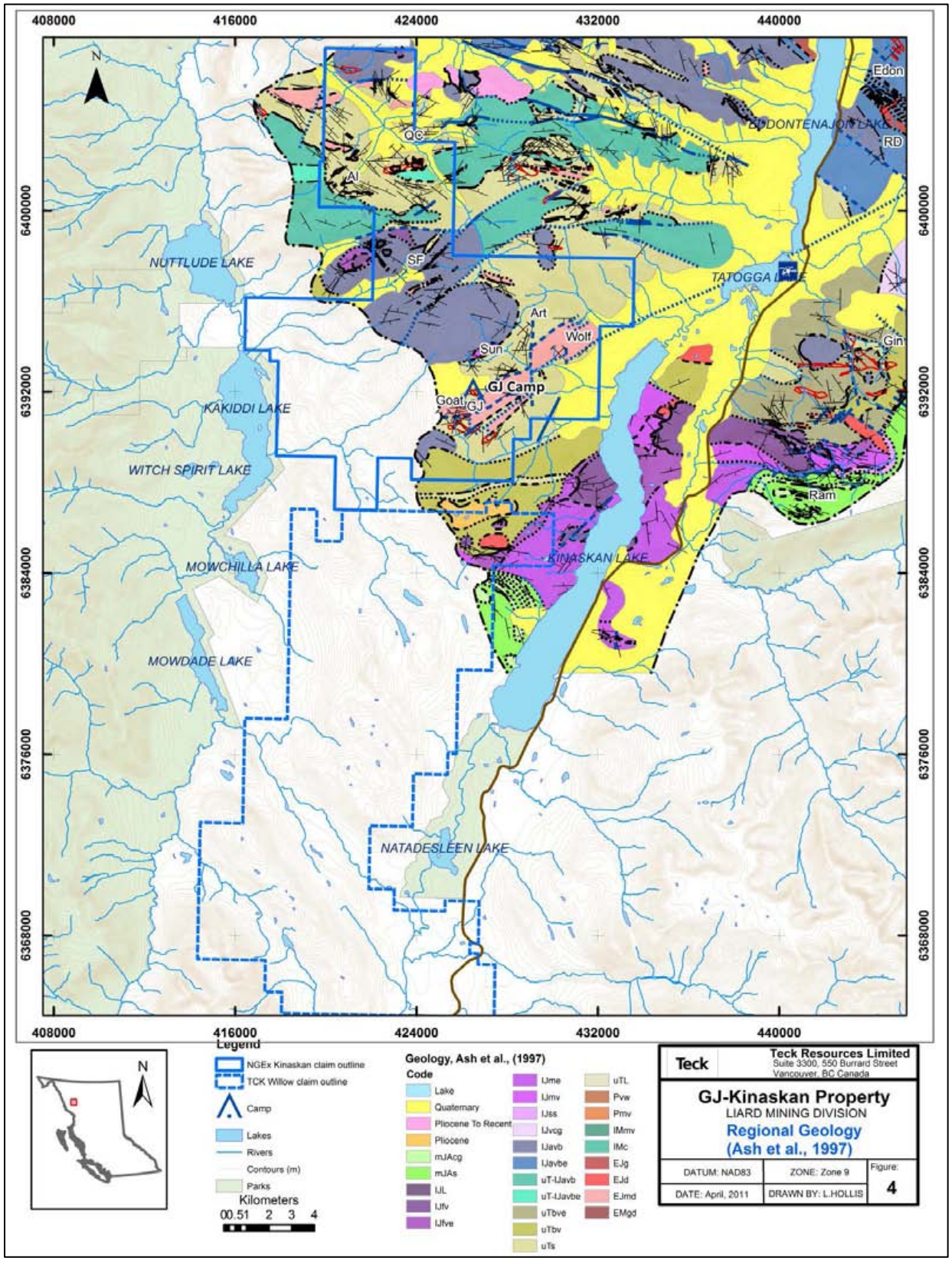


Figure 4: Regional Geology (Ash *et al.*, 1997). Geology and Mineral Occurrences of the Tatogga Lake Area. British Columbia Geological Survey: Open File 1997-3. Scale 1: 50,000. See Appendix II for full legend.

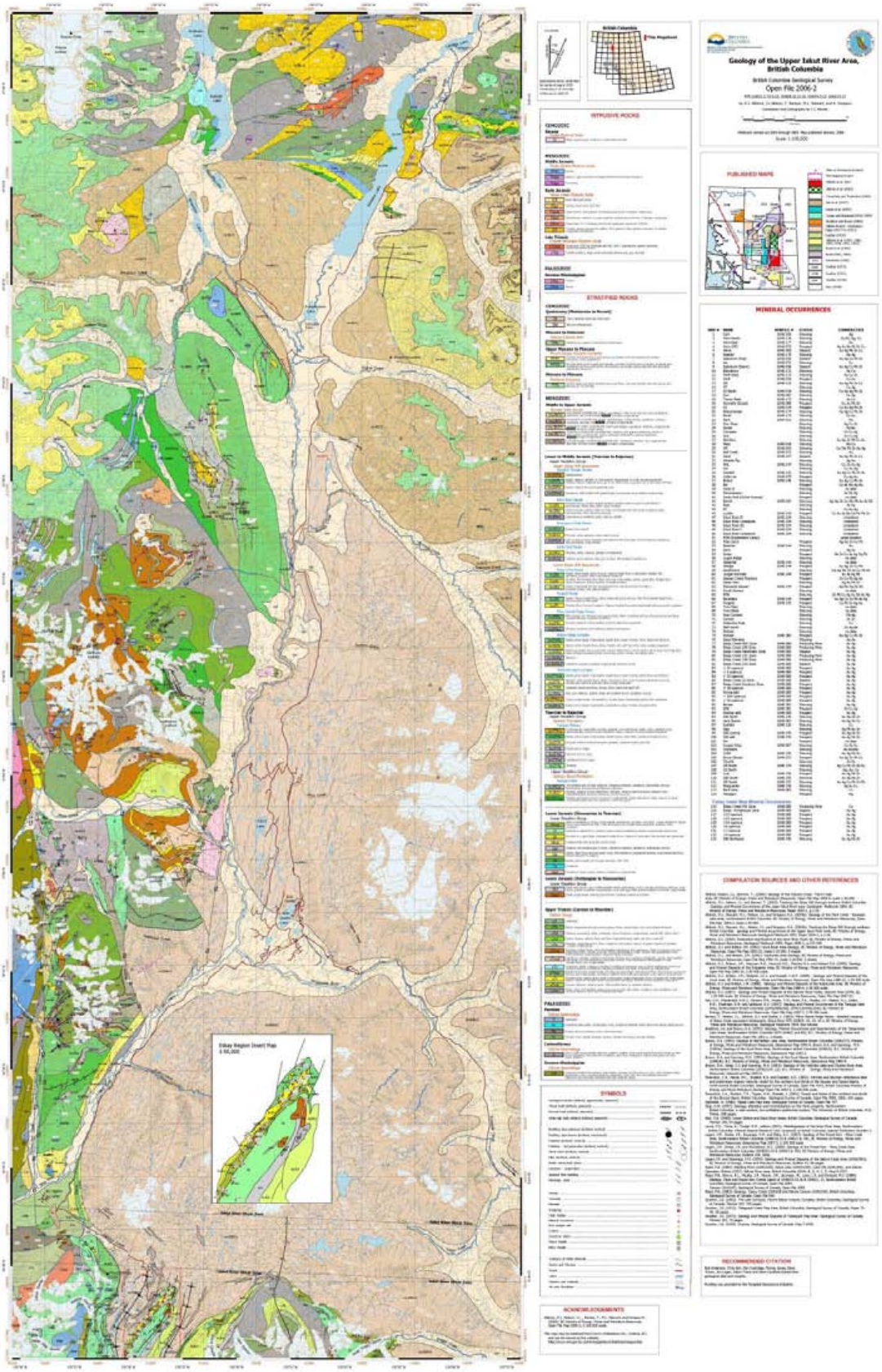


Figure 5: Regional Geology Map (Alldrick et al., 2006). Geology of the Upper Iskut River Area, British Columbia. British Columbia Geological Survey. Open File 2006-2. Scale 1:100,000. See also Appendix III for full-scale map and legend.

Intruding the entire Stuhini sedimentary-volcanic stratigraphy are a number of dark grey to black, massive, augite phyric basalt dykes that are best exposed in outcrop along the banks and bottom of Groat Creek. Distinguishing basalt dykes from flows is highly subjective as it is seldom possible to determine whether the unit is, or is not conformable with stratigraphy.

Cutting Stuhini Group rocks including the basalt dykes, as a complex of sills, dykes and irregular plugs, are fine- to medium-grained, equigranular to rarely porphyritic monzodiorite with minor diorite, quartz diorite and monzonite phases of the Groat Stock. East of the North Zone, the Groat Stock appears to be a weakly altered, massive quartz- deficient plug, whereas in the North, GJ and Donnelly zones, drilling suggests the stock consists of numerous fault bounded dykes and sills that are up to at least 100 metres thick and appear to be relatively concordant with bedding in the host sedimentary rocks. The elongate, east-northeast trend of the stock in fact appears to be a function of parallel, strike-slip faulting, possibly related to the regional Ealue Lake fault that has had the net effect of stretching the stock into its current shape.

In the most common, monzodiorite phase of the Groat Stock, the primary mineralogy consists of 25-55 %, 1.5-2.0 mm, euhedral plagioclase crystals and 5-20 %, similar sized, subhedral hornblende crystals, set in a very fine-grained to aphanitic groundmass composed of anhedral K-feldspar, plagioclase, hornblende ± biotite. This unit typically has a trachytic texture.

Other intrusive phases are very similar, and without rock staining, particularly given the intensity of alteration, it is often difficult to distinguish them. Diorites tend to have a slightly higher mafic content and a weakly developed "felted" texture; monzonites are typically more leucocratic. The distinctions are subtle and probably not of major significance.

Unconformably overlying both the Stuhini Group strata and the Groat Stock are grey to maroon-coloured volcaniclastic rocks and flows of the Hazelton Group (Figure 4: Appendix II). These rocks, which include black shales, poorly sorted andesitic sandstones and debris flows, augite phyric basalt flows, plagioclase ± hornblende phyric andesite flows, pyrite-bearing dacite lapilli tuffs, flows and high-level intrusive rocks all occur as flat to shallow, south-westerly dipping sequences of strata that cap the underlying units. Aside from a few, narrow shears which contain minor chalcopyrite-pyrite-malachite-chalcocite and the dacitic units which contain up to 4 % finely disseminated pyrite, the Hazelton rocks are relatively unaltered and non-mineralized This is best noted in drill holes at the west end of the Donnelly Zone and in outcrop at the YT showing where un-mineralized, unaltered Hazelton rocks overly copper-gold mineralization.

Geological Mapping 2010

Geological mapping during the 2010 field season was conducted primarily around the Donnelly Zone and GJ camp area, approximately 20km^2 (Figure 6: Appendix IV). Geological mapping included the collection of data on lithologies and alteration.

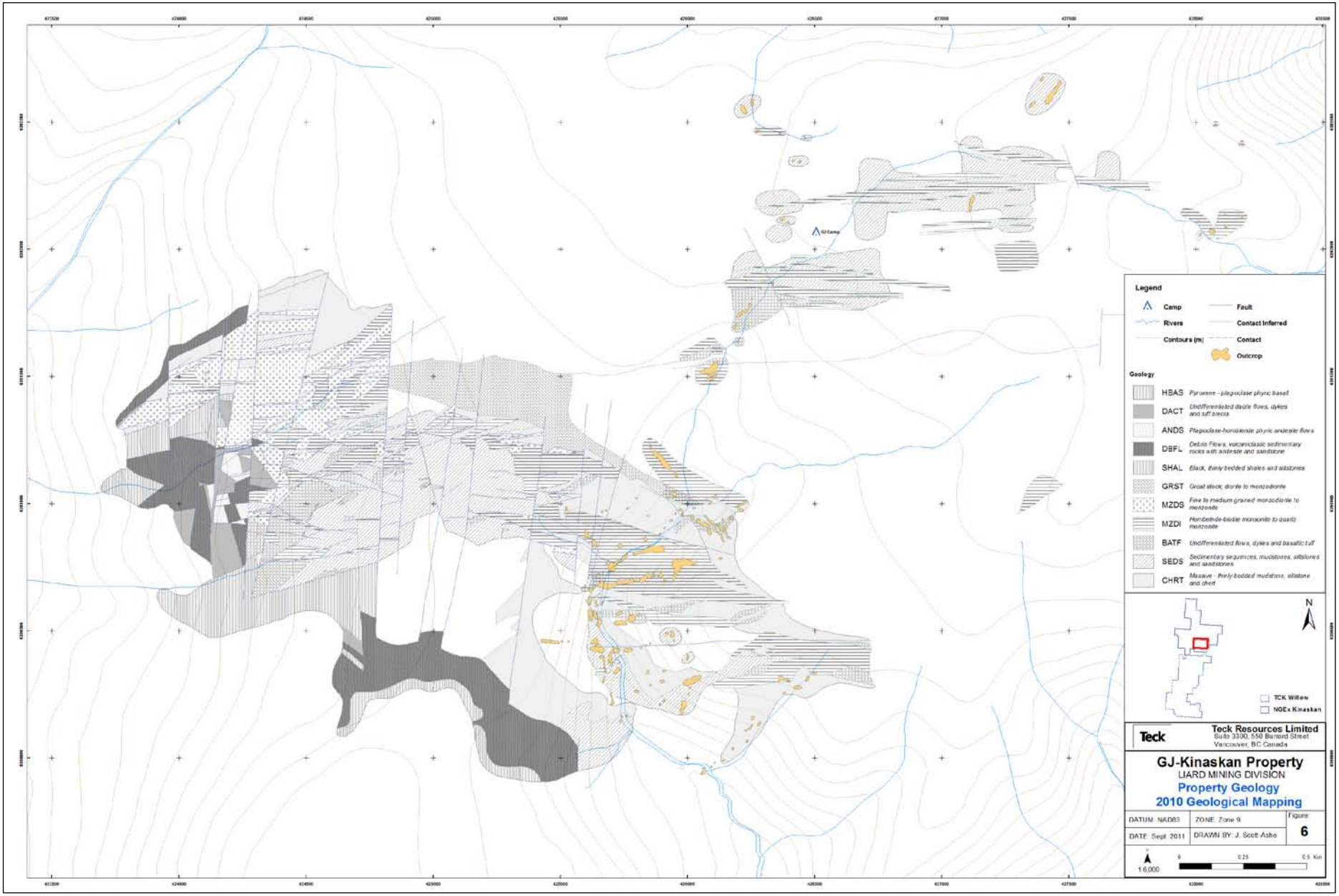


Figure 6: Extent of the 2010 geological mapping (Shown as orange outcrops) at the GJ-Kinaskan Property. See Appendix IV for large-scale map.

Lithological Units

The lithological units previously mapped on the GJ property range from plagioclase- ± hornblende-phyric andesite flow units, debris flow units, mudstones, siltstones, chert to intrusive lithologies (Figure 6: Appendix IV). These intrusive lithologies are typically monzonite, diorite, monzodiorite and quartz-feldspar porphyry.

Presented herein is a list of the most commonly observed lithologies from the 2010 re-logging of historic drill core (Summarized from Appendix XIIII).

Sedimentary Rocks (SEDS)

These are generally undifferentiated massive to thinly bedded mudstones, siltstones & wackes with minor discontinuous lenses of polymictic pebble to cobble conglomerates & breccias; Includes silicified or hornfelsed equivalents; slump breccia textures are common. The sedimentary rocks include both Includes minor interbedded tuffs and crystal lithic tuffs. They are dominant around the GJ camp area and to the east of the resource. The volcano-sedimentary rocks of the Stuhini and Hazelton Groups are intruded by the north-east, south-west trending Groat Stock (see below).

Shale (SHL)

Shale was mapped at the western margin of the resource area where it forms fault-bounded blocks (Figure 6: Appendix IV). Shale units are characterized primarily by their black colour. They are massive to thinly bedded, fissile and often accompanied by minor siltstone, fine sandstone and occasional pebble conglomerate interbeds.

Monzodiorite (MZDI)

Monzodiorite is the most commonly recorded intrusive lithology from drill core. It is interpreted to form dyke-like bodies that 'swarm" across the GJ property and cross cut the host volcano-sedimentary strata (Mehner, 2005). The re-logging and geological surface mapping carried out during the 2010 field season identified at least four texturally distinct phases of monzodiorite (Appendix IV)(which are discussed further in the section of this report entitled Logging of Historic Drill Core.)

Feldspar Porphyry (FP)

A quartz-feldspar porphyry was logged in core, but not observed in outcrop during the 2010 field season. It is characterised by a sparse intensity of 2-4 mm quartz phenocrysts, often displaying resorbed textures, and a greater concentration of K-feldspar phenocrysts. Biotite is often an important accessory mafic phenocryst phase.

Groat Stock (GRST)

The dominant phase of the Groat Stock is a two feldspar- and hornblende-phyric monzodiorite with a fine to aphanitic groundmass. It forms the northern flank to the resource area (Figure 6: Appendix IV). An equigranular facies of the monzonite, characterised by plagioclase, K-feldspar, hornblende and biotite is an important constituent of the Groat Stock.

Chert (CHR)

Chert and chert-rich interbeds are predominantly mapped to the southeast of the Resource area (Figure 6). It is typically white to black in colour, massive to thinly bedded with < 1 cm thick interbeds of mudstone, siltstone and volcanic ash. This also includes chert recrystallized into fine- to medium-grained quartz & minor chert pebble breccias, which are often shattered in texture.

Basalt (HBAS)

Basalt is more dominant in the northwestern part of the GJ property where it forms a rim to the fault-bounded resource area (Figure 6: Appendix IV). It comprises undifferentiated flows, dykes, sills and tuffs; fine-grained & massive to pyroxene and/or plagioclase-phyric; often amygdaloidal in texture.

Andesite (ANDS)

Andesite is a common lithology at the southwest part of the resource area (Figure 6: Appendix IV) where it is characterized by equigranular, and plagioclase- +/- hornblende-phyric andesite flows, tuffs and dykes.

Dacite Tuff (DAT)

Dacite tuffs are primarily located near the andesite within the southwestern portion of the 2010 mapping (Figure 6: Appendix IV). They are variable in colour, ranging from grey to red-grey. They are aphanitic crystal tuffs to crystal lithic tuffs, characterized by 20-30 % feldspar (<3mm), <3 % hornblende, and biotite. The dacite tuffs are variably magnetic, and commonly contain 2 % disseminated hematite or specularite.

Basalt Flows (BATF)

These are mapped extensively throughout the resource area (Figure 6: Appendix IV). This lithology is characterized by undifferentiated flows, dykes, sills, high-level plugs and fine- to medium-grained basaltic tuff, lapilli tuff and volcanic breccia; Interbedded argillic sills and wacke beds. Local limestone units have been historically mentioned by previous studies (Mehner et al., 2005). The basalt units are variable from massive to thinly bedded units; graded bedding is common and all units are typically clinopyroxene-phyric.

Structural Geology

Rocks throughout the property are affected by large scale, open folding or warping and significant, high angle brittle faulting.

Evidence of folding in thick-bedded sequences is largely based on observations in the thinly bedded sediments where general variations in strikes and dips can be used to infer folding. In the Donnelly-GJ-North zone area, dips and strikes within the sediments differ substantially over short distances. However as one gets further away from the Groat Stock, bedding continues to strike approximately east-west but dips north of the stock are generally at -55º to -75º to the north while south of Groat creek they are -55º to -75º to the south suggesting a broad anticline centered along the axis of the stock.

Faulting is widespread throughout the property along three principal directions. The dominant and possibly most important is a generally east-west striking fault system that forms a splay off the regionally prominent Ealue Lake fault. Emplacement of the Groat Stock as well as later, strike-slip faulting that has apparently "stretched" the stock into its current elongated shape is related to this fault direction. Porphyry copper-gold mineralization related to emplacement of the stock, and post-mineral, post Hazelton ankerite alteration are both believed related to this long lived, pre, syn and post mineralization fault direction.

A second, later but significant faulting event occurred along north-south striking structures. These left lateral faults post-date emplacement of the Groat Stock and are responsible for the apparent 1 km offset between the relatively massive intrusive outcropping on Wolf Plateau and the more elongate sills and dykes observed in the Donnelly-GJ-North Zones. Late, north-south striking, post copper-gold mineralization dolomite veins, many with significant gold ± arsenic ± zinc ± silver values, are observed throughout the property and are believed to be related to this fault system.

A third fault system striking north-northwest and dipping south-west is inferred from airphoto and topographic lineaments, offsets in geophysical data and geological data from drill holes at the western end of the Donnelly Zone, where Hazelton stratigraphy appears to be down dropped along these normal faults. The faults are post copper-gold mineralization and, based on current geological interpretation, are cut by the east-west striking faults. Recent geological mapping by the BC Geological Survey Branch (personal communication – Dan Aldrick) has traced the Middle Jurassic Eskay Creek Rift to within a few km south of the property and it is reasonable to assume these faults are the northern projection of the eastern side of that fault system.

Mineralization

According to Mehner (2005), the Kinaskan Lake property hosts three principal styles of mineralization:

a) The porphyry copper-gold mineralization related to 205 MA aged quartz deficient intrusive rocks similar to the Groat Stock.
b) Disseminated pyrite ± chalcopyrite mineralization with copper-gold values associated with silicification related to 180 MA aged granite/felsite dykes.
c) Dolomite quartz vein/fault-controlled pyrite-chalcopyrite-arsenopyrite ± sphalerite ± galena with gold and silver values. Occurs along north-south structures possibly related to mid-Jurassic rifting.

The most significant of the three styles of porphyry style mineralization currently being explored is disseminated, fracture quartz vein and quartz stockwork controlled pyrite with variable chalcopyrite, rare bornite and trace molybdenite mineralization containing elevated gold values which have been identified in the North,GJ and Donnelly Zones.

Host rocks for copper-gold mineralization in all zones include intrusive and sedimentary rocks of which wackes and monzodiorite are the most significant (Mehner, 2005). It is unclear, which unit, if any is the principal mineralizing phase, however it does appear that mineralization is closely associated with steeply dipping fractured, brecciated intervals that are related to east-west to east northeast by west southwest striking faults (Mehner, 2005).

In general, the 2010 re-logging of historic drill core revealed general trends in pyrite:chalcopyrite ratios; where pyrite is high, chalcopyrite is generally low. This relationship is further illustrated by the estimation of sulphide minerals from re-logged drill holes, in particular CGH-06-096 (96 m to EOH) (Appendix XIIII).

Mehner (2005) characterizes the hydrothermal alteration as varied and irregular (Mehner, 2005). Within the mineralized zone, regardless of whether the rocks are intrusive or wackes, alteration consist of an early, selective pervasive potassic alteration overprinted by later, phyllic and propylitic (carbonate) alteration. Potassic alteration includes:

- Selective replacement by K-feldspar rims to plagioclase crystals
- K-feldspar-magnetite-chalcopyrite ± epidote ± bornite veins
- K-feldspar vein selvages
- Patchy replacement by K-feldspar
- Replacement of mafic phenocrysts by actinolite or secondary biotite
- Secondary biotite envelopes developed along veins.

Similarly the phyllic and propylitic alteration is represented by quartz – sericite ± carbonate ± chlorite ±pyrite ± epidote, which overprints the potassic alteration and yield veinlets of quartz-pyrite-chalcopyrite ± carbonate, patchy and disseminated carbonate alteration of plagioclase, biotite and hornblende, replacement of secondary biotite by chlorite ± carbonate ± epidote ± rutile, late veinlets of calcite and magnetite, chalcopyrite and pyrite rimmed and replaced by hematite (Mehner, 2005).

Hydrothermal Alteration

Hydrothermal alteration within the mineralized zone, regardless of whether the rocks are intrusive or sedimentary wackes, consists of an early, selective pervasive potassic alteration overprinted by later, phyllic and propylitic (carbonate) alteration. This is confirmed from re-logging of historic drill holes, where sericite and chlorite are the two most abundant alteration minerals recorded. According to Mehner et al., (2006) the potassic alteration includes selective replacement of the rims of plagioclase by K-feldspar, K-feldspar-magnetite-chalcopyrite + quartz + epidote + bornite veins, K-feldspar vein selvages, patchy replacement by K-feldspar, replacement of mafic phenocrysts by secondary biotite and secondary biotite envelopes to veins. K-feldspar + magnetite are recorded in quartz veins and stockwork from several of the re-logged drill holes: CGH-05-2010-022, CGH-06-2010-108, CGH-06-2010-096, CGH-07-2010-173 and CGH-07-2010-212 (Appendix XV). Drill hole CGH-07-2010-173 has several intervals of moderate to strong sericite and clay alteration throughout most of the drill hole (Appendix XVI).

Similarly the phyllic and propylitic alteration are represented by the mineral assemblages quartz-sericite + carbonate + chlorite + pyrite + epidote which overprint the potassic alteration. The following textures have been recorded: selective replacement of plagioclase cores by sericite + carbonate, veinlets of quartz-pyrite-chalcopyrite + carbonate, patchy /disseminated carbonate alteration of plagioclase, biotite and hornblende, replacement of secondary biotite by chlorite + carbonate + epidote + rutile and magnetite, chalcopyrite and pyrite are variably rimmed and replaced by hematite (Mehner et al., (2006).

Geophysics

During 2010 a ground magnetic survey and I.P. survey were conducted over the GJ property. For further details see below:

Ground Magnetic Survey

A ground magnetic survey was conducted on the GJ property from September 5th to September 12th, 2010. This survey extended the existing ground magnetic data on the plateau. What follows is an excerpt from an internal Teck report compiled by Sterritt (2010).

Base Station

Two GEM GSM-19 magnetometers from Vancouver were used to collect the magnetic data. One was set up as a recording base station (G4) and the other was used as a mobile field unit (G5). The base magnetometer was located at 0426434, 6392072 (Nad83 UTM Zone 9), with the sensor oriented facing south.

Survey Design

Uncut survey lines were spaced at 100 m and oriented north-south. Stations were spaced at 10 m along the line. Stations were marked by a helper with a handheld GPS, which has a positional accuracy is roughly 5 m. Magnetometers were set to read at four second intervals, with auto-tune and tune initialize off. The datum for the base and rover magnetometers was

set to 57000 nanoTeslas (nT). The time on all magnetometers was set to the local time from a handheld GPS each day. The operator was consistently positioned along line west of the sensor, in order to minimize noise from any personal belongings although efforts were made to remove all magnetic items from the operator. The sensor was oriented facing north. Repeat readings were taken when the signal quality was low, the sensor was moving during the reading or improperly oriented, or the difference from the last reading seemed abnormally high. Reading accuracy is generally within a couple nanoTeslas. However, in areas of high magnetic gradients the accuracy may be considerably diminished.

Processing

At the end of a survey day, raw data from both magnetometers were downloaded using a Keyspan adapter and the GEMlink software. The diurnal correction was applied to the rover data using the diurnal correction application within GEMlink. Data were subsequently imported into Geosoft and looked at for quality control in profile form to remove bad data points with low signal quality, to remove repeats and fix any station labelling errors. They were then gridded. Data from this survey was merged in grid form with the data from the 2007 ground magnetic survey conducted by Scott Geophysics. Subsequently, derivative products were created, including the tilt derivative, first vertical derivative, analytic signal and contour of the tilt derivative at the 0 nT/m interval.

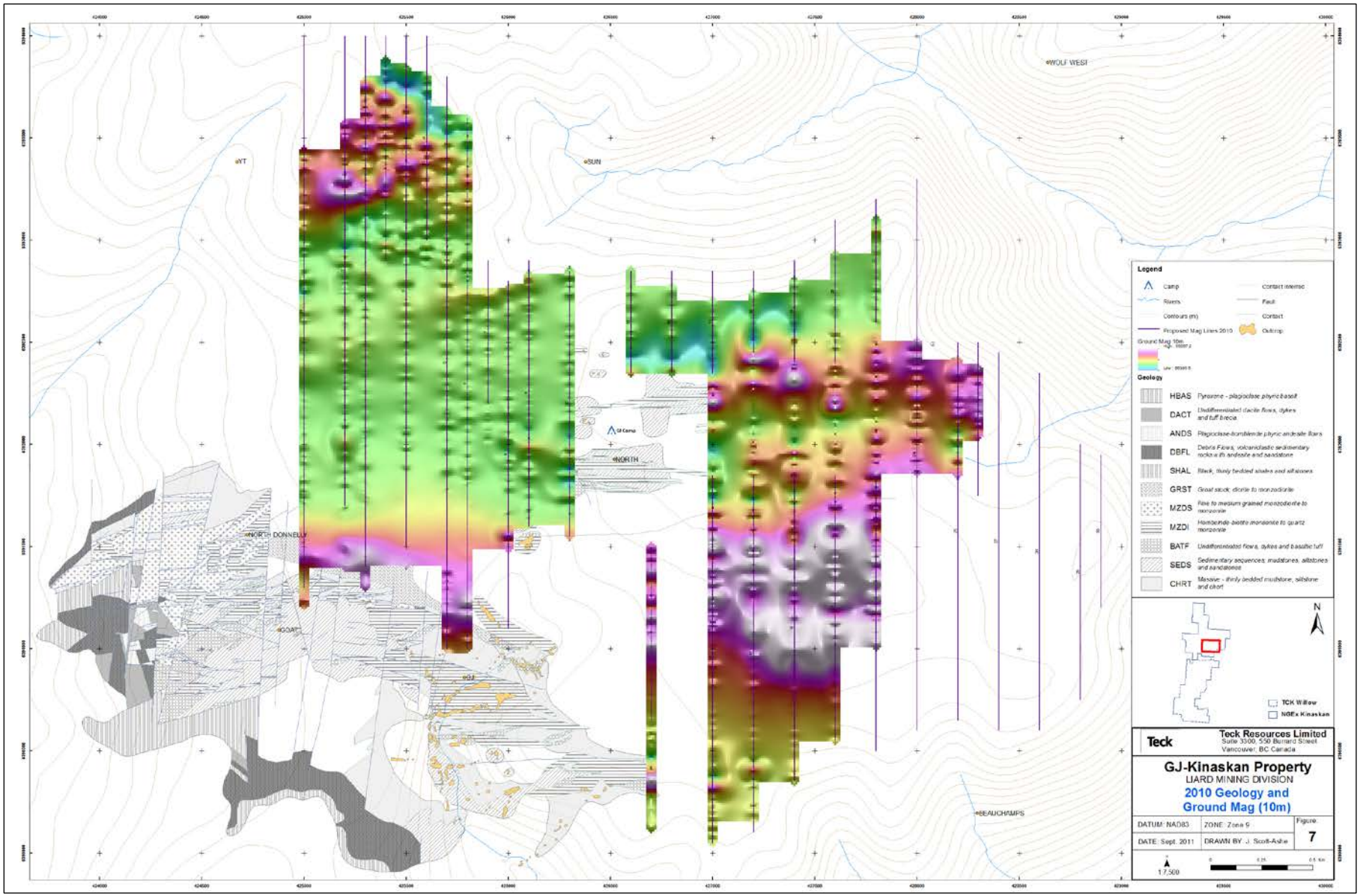


Figure 7: Gridded ground magnetic data from 2010 together with mapped geology and proposed 2010 ground mag lines (purple), showing the extent completed (colour shaded). See Appendix V for large-scale map and full legend.

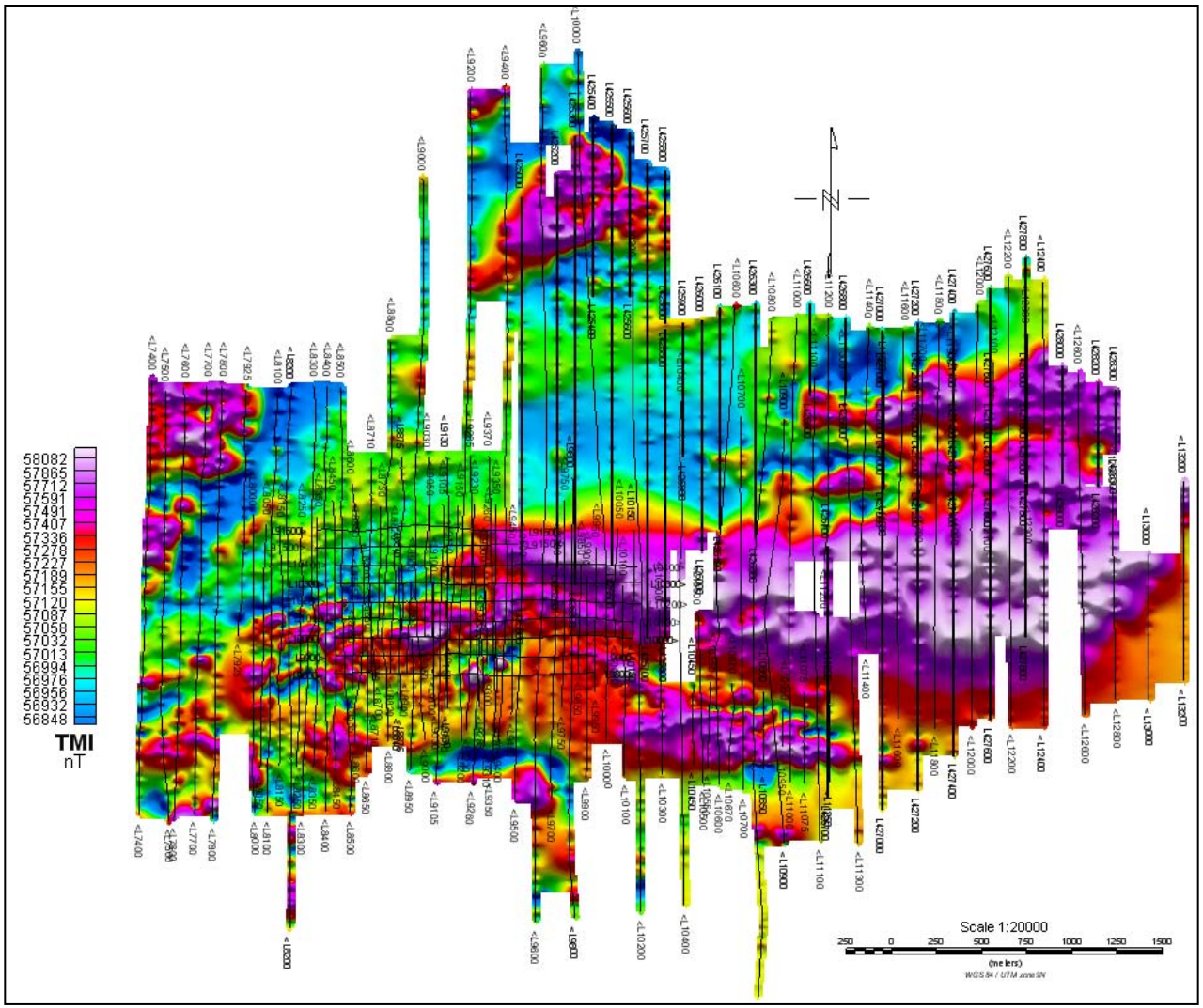


Figure 8: Merged ground magnetic total field data from 2007 (thin black lines) and 2010 (heavy black lines with diurnally-corrected TMI values posted). Merging of the various ground data sets were done by grid knitting that involved level and first order shifts of the TMI data. Claim boundaries are shown as thin black lines at the south. See Appendix VI for large-scale map and legend.

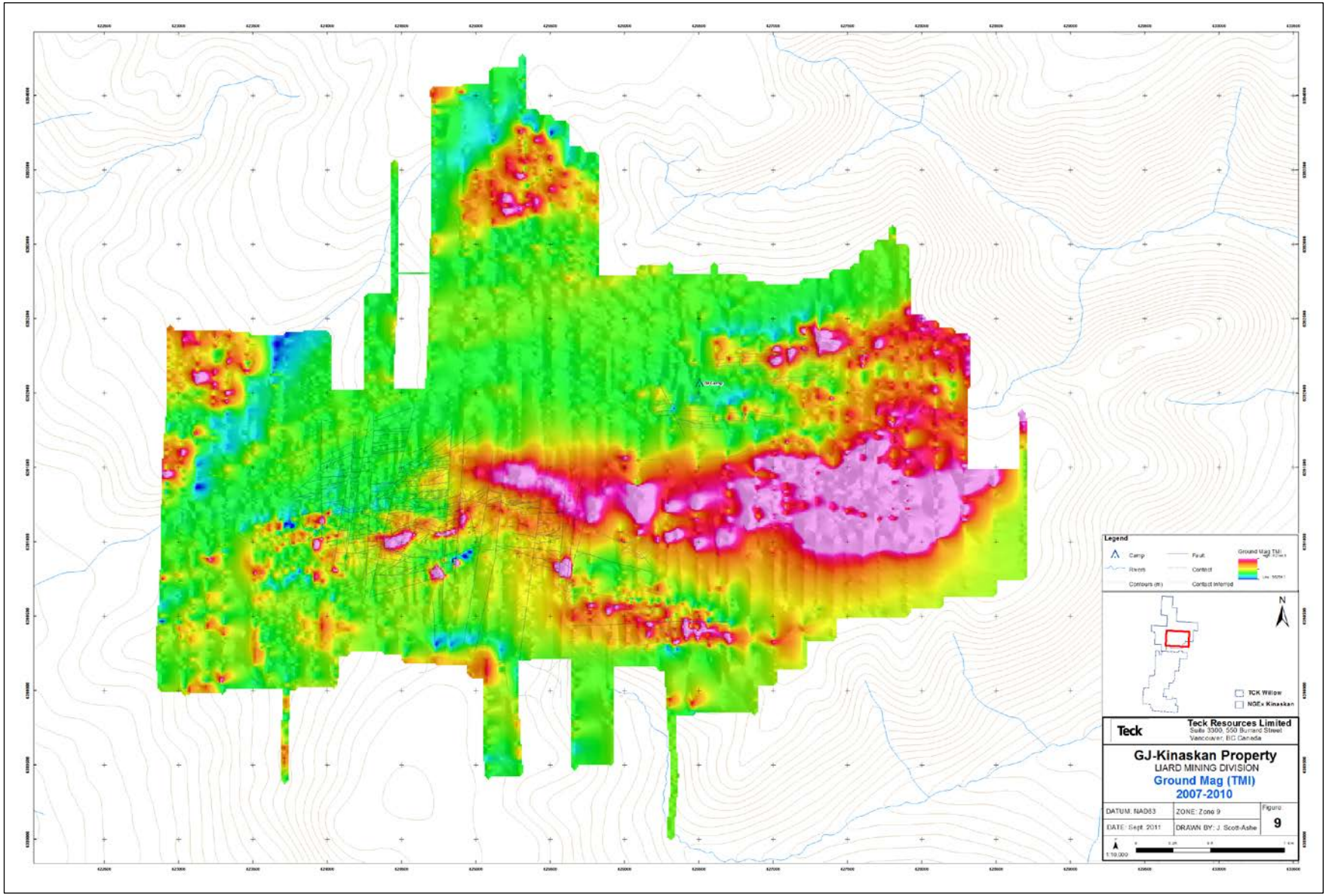


Figure 9: Ground magnetic 2010 and historic surveys (TMI) overlain with the inferred geological faults (dashed lines). Microlevelling of this data consisted of removing a high-pass Butterworth filter with a cut-off wavelength of 300m (8th order) followed by a directional cosine filter directed north (90º) and a 0.8 function degree. See Appendix VII for large scale map.

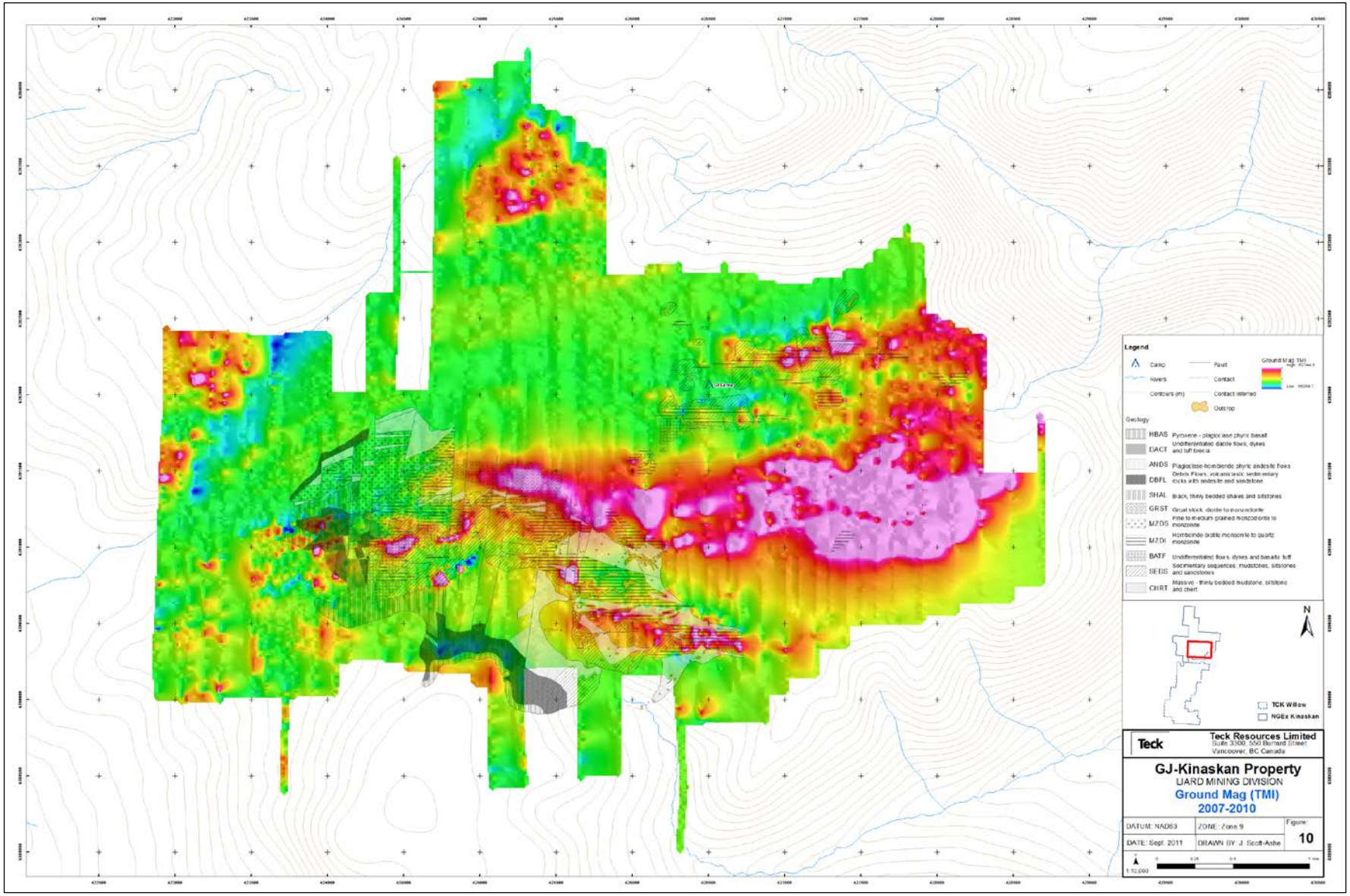


Figure 10: 2010 mapped geology overlain overtop the historic and 2010 ground magnetic data (TMI). Microlevelling of this data consisted of removing a high-pass Butterworth filter with a cut-off wavelength of 300m (8th order) followed by a directional cosine filter directed north (90º) and a 0.8 function degree. See Appendix V for large scale map. See Appendix VIII for large scale map.

Results

What follows is an excerpt from a Teck internal report produced by Sterritt (2010): Magnetic data appear to be mapping the magnetic intrusive rocks and faults creating magnetic contrasts (Figure 8, 9: Appendices VI and VII). The magnetic regional and detailed geology match very well when compared in plan view (Figure 10: Appendix VIII). The majority of the mapping highlights the main magnetic feature corresponding to the Groat Stock (purple). Thin domains of monzodiorite (light pink) have a moderate response. Andesitic debris flows (pale green) coincide with a magnetic low that may be indicating remnant magnetism. Basalts and sedimentary rocks appear to lack a magnetic response. Mapped faults are recognized in the magnetic data (Figure 10: Appendix VIII) and are evident as lateral changes in the magnetic response.

Resistivity/IP Magnetic Survey

A resistivity/IP survey was conducted by Scott Geophysics on the GJ property during September 13th to 30th, 2010 to extend the existing coverage of resistivity/IP/data laterally from the main Donnelly Zone and to increased depths. In total, 26 line-km were surveyed on nine lines (Figure 11: Appendix VIIII). The survey was terminated due to snow and fog preventing helicopter access to the grid.

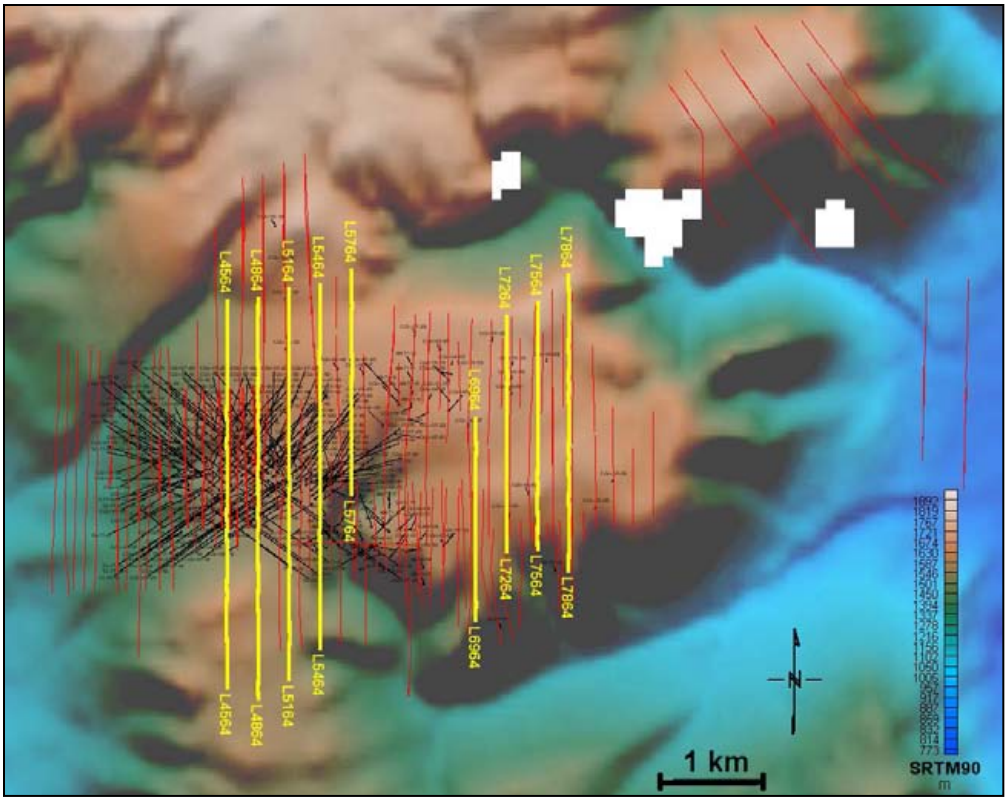


Figure 11: Location of the 2010 IP lines (yellow) relative to historic IP data (red) and drilling (black traces projected to surface), draped on the SRTM 90m topography. See Appendix VIIII for large-scale, to scale map.

Survey Parameters

A pole-dipole array was used with “a”-spacings of 100 m for lines 5464E and 5764E and 200 m for all other lines. The “a” spacing was increased to allow for greater depth penetration. In order to preserve some lateral resolution, stations were spaced at 100 m for both array lengths. “N” values of 1-6 were consistently employed. The depth of investigation would be a theoretical maximum of 600 m for the lines with 200 m dipoles but realistically is closer to 400 - 500 m. Lines surveyed with 100 m dipoles have depth penetrations of 200-300 m. The current electrode was positioned on-line and was located south of the receiving electrodes.

A GDD Grx8 receiver and two TxII transmitters were used for the survey. Readings were taken in the time domain using a 2 second on/2 second off alternating square wave. The chargeability values plotted on the accompanying pseudosections are for the interval 690 to 1050 msecs after sutoff.

Stations were surveyed concurrently with the IP/resistivity survey using a Garmin 60CSx receiver/altimeter GPS.

QA/QC and Processing

Raw data files were imported into Geosoft for QA/QC. Data were quality checked to ensure that the IP decay profiles showed smooth decays with minimal noise. Repeat readings were taken only when the receiver operator deemed them necessary. Measured voltages were generally strong and rarely below 10 mV. Average chargeability values were calculated for the interval 690 to 1050 ms after shutoff. Resistivity and IP pseudosections (Figures 12 and 13: Appendix X and XI) were reviewed for outlying data points that the inversion algorithms would have difficulty fitting; these points were removed from the observations files for the inversions.

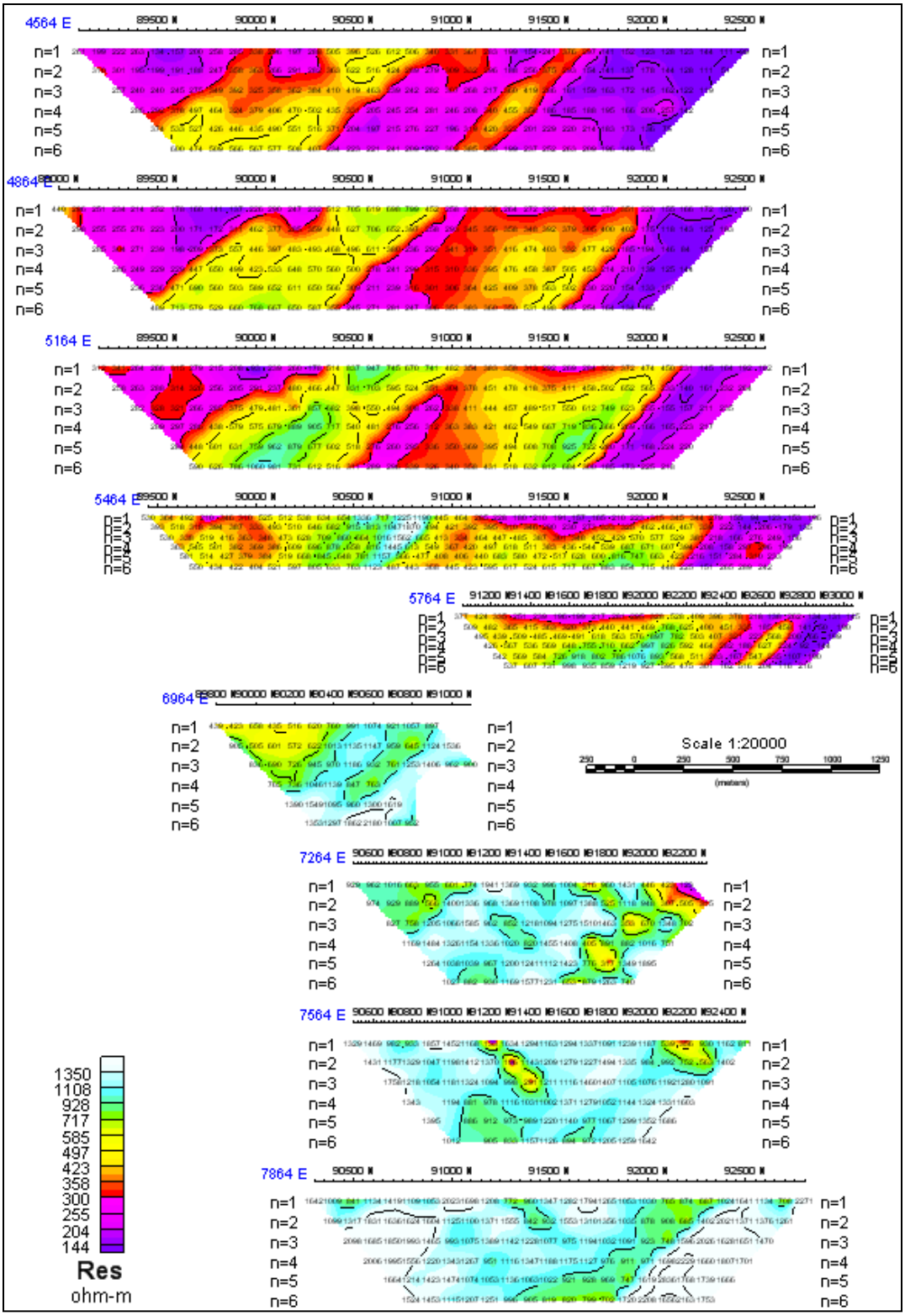


Figure 12: Stacked resistivity pseudosections for the 2010 resistivity/IP lines surveyed at GJ. Lines are displayed facing west and with equal spacing. All lines are displayed with the same histogram stretched colour bar. See Appendix X for large scale, to scale sections.

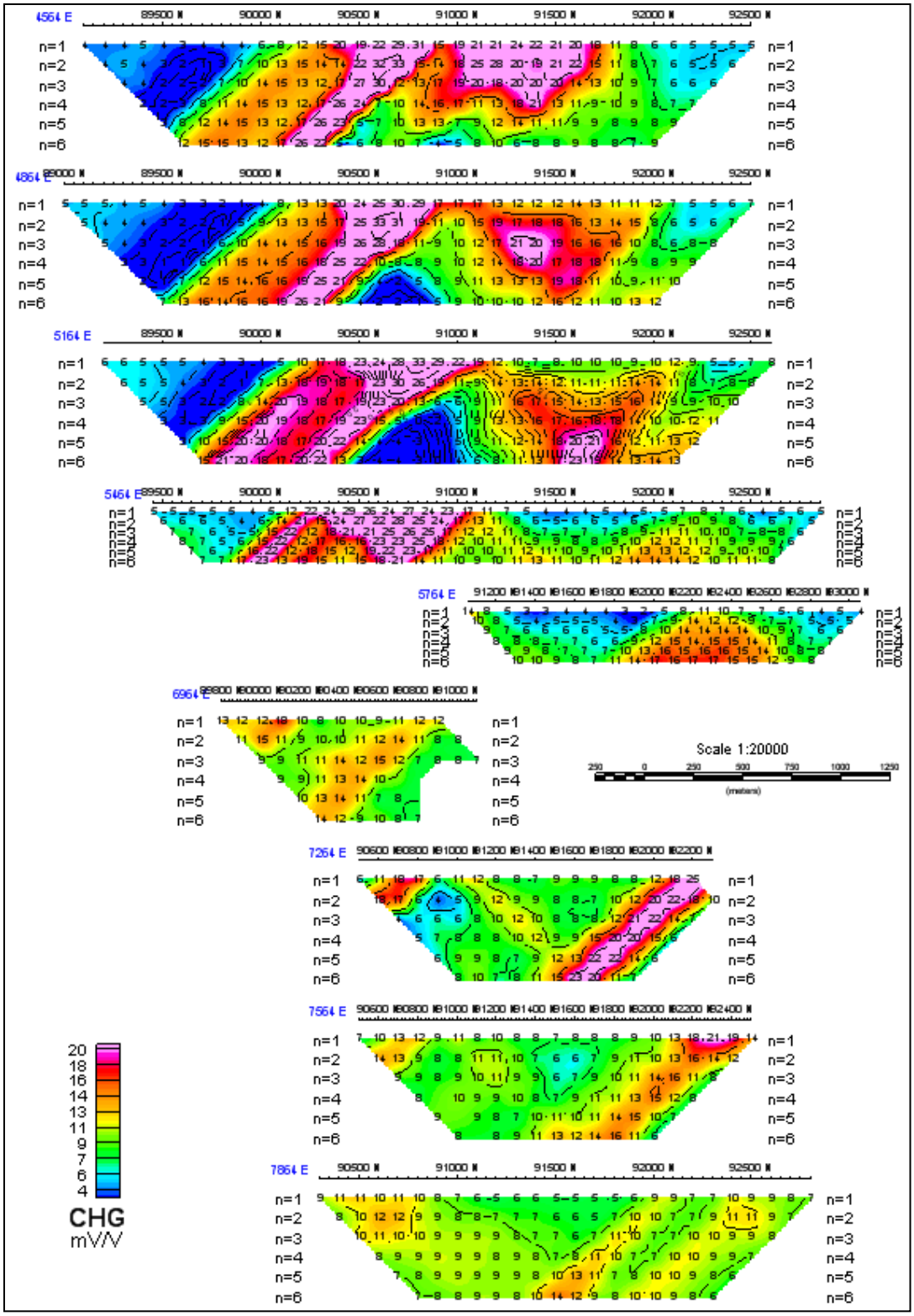


Figure 13: Stacked chargeability pseudosections for the 2010 resistivity/IP lines surveyed at GJ. Lines are displayed facing west and with equal spacing. All lines are displayed with the same linear stretch colour bar. See Appendix XI for large scale, to scale sections.

Inversion of Resistivity/IP Data

Each line was inverted using the UBC-GIF DCIP2D software to produce 2D models of resistivity and chargeability. Best practice inversion convergence criteria were used for each survey line (Table 1). Inversion models were accepted when 1) they converged in 15 iterations or less, 2) differences between the predicted and observed data ("z-score") were generally less than or equal to 3.5 standard deviations, 3) differences were randomly distributed throughout the pseudosection, 4) the model looked geologically reasonable, and 5) features in the models could be justified by the pseudo-section. Alpha parameters, which control how smooth the model is laterally and vertically and how modeled values vary from background, were chosen by default by the algorithm. Errors generally started at 5% + 0.0001 ohm-m for resistivity and 5% + 0.01 mV/V for chargeability, and were adjusted as necessary for each line to obtain an acceptable inversion model. Half-space reference models were specified for the resistivity inversions as 400 ohm-m for lines 4564-6924 and 1400 ohm-m for 7264-7864 based on average resistivities calculated for each line in Geosoft and the apparent background values assessed in the UBC-GIF data viewer. Reference models for the IP inversions were set at 10 ms.

A default mesh was created using four cells between dipoles, producing horizontal cells of 25 m for lines with 100 m "a"-spacings and 50 m for lines with 200 m "a"-spacings. The aspect ratio of the mesh cells was specified to be two (horizontal) to one (vertical). As such, vertical resolution close to surface and within the area of interest is about 12.5 m for lines 5464E and 5764E and 50 m for the remaining lines.

Inversion models were Quality Controlled to ensure that they satisfied the criteria discussed above. Acceptable final inversion models were imported into Geosoft with the padding cells removed and gridded as 2D lines in 3D space and also interpolated into 3D volumes.

Table 5: Summary of the inversion parameters for the five lines surveyed on the GJ property. Z-score refers to the difference between the observed and predicted data normalized by the assigned standard deviation error. Convergence refers to the number of iterations required for the inversions to converge. Average resistivities and chargeabilities were obtained from the data in Geosoft.

		4564	4864	5164	5464	5764	6924	7264	7524	7864
	"a"-spacing	200	200	200	100	100	200	200	200	200
	DOI	600	600	600	300	300	600	600	600	600
Topo	n	42	39	38	44	24	22	23	25	30
	max	1640	1620	1670	1660	1630	1700	1800	1760	1810
RES	Avg res (Ohm-m)	286	383	431	491	455	981	1134	1150	1324
	Reference (Ohm-m)	400	400	400	400	400	1400	1400	1400	1400
	Errors	3% + 0.0001	3% + 0.0001	5% + 0.0001	3% + 0.0001	3% + 0.0001	5% + 0.0001	7% + 0.0001	3% + 0.0001	4% + 0.0001
	Z-score	2.897	3.307	3.498	2.904	2.407	2.75	2.192	3.323	3.125
	Convergence	12	11	11	11	12	13	13	10	11
IP	Avg chg (DP)	12	12	12	11.7	8.9	10.7	11.2	9.11	8.5
	Reference (mV/V)	10	10	10	10	10	10	10	10	10
	Errors	3% + 0.01	5% + 0.01	5% + 0.05	3% + 0.01	2% + 0.01	3% + 0.01	5% + 0.01	3% + 0.01	2% + 0.01
	Z-score	3.393	2.763	2.839	2.953	2.721	2.929	2.879	2.418	3.298
	Convergence	13	13	13	11	13	13	11	11	11

Discussion of Resistivity/IP Data and Inversion Models

Preliminary interpretation of the resistivity pseudosections and inversion models indicates that there is a major change in background resistivity between lines 4564-5764 and lines 6964-7864, which are separate by about 1.2 km (Figure 15). This suggests a change in bedrock lithology or cover thickness that is corroborated by the geology; lines 4564-5764 are predominantly located over mapped Stuhini group rocks with narrow zones of quartz diorite-monzodiorite-monzonite and alkali granite/felsite whereas lines 6964-7864 are located mostly over quartz diorite-monzodiorite-monzonite. Therefore, we can infer that the quartz diorite-monzodiorite-monzonite is more resistive than other rock types in the area which should be confirmed by resistivity measurements down hole or from core. Stuhini Group rocks appear to be relatively conductive (<300 ohm-m).

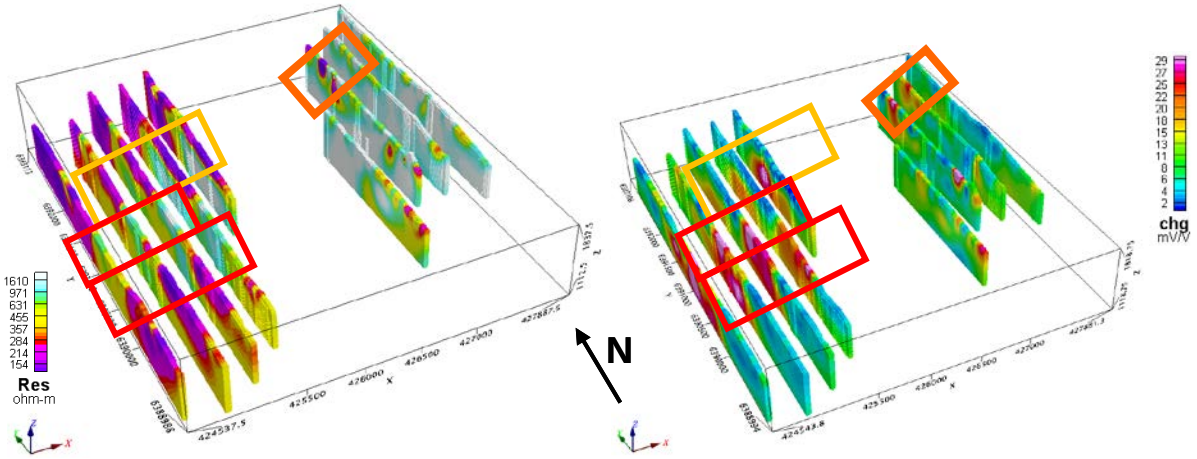


Figure 14: Resistivity (above left) and chargeability (above right) inversion models for the 2010 IP data at GJ. Three-dimensional image (and as such cannot be produced to a given scale).

Chargeability pseudosections show a large chargeable body (up to 30 mV/V) around the main deposit on lines 4564 – 5464 extending from surface to the maximum penetration depth (Figure 13: Appendix XI).

This feature appears in the chargeability inversion models as a large chargeable body at surface and another chargeable zones at depth further south (red boxes on Figure 14). Both of these appear to be dipping to the west. Furthermore, there appears to be a weakly chargeable body near surface on line 4564 and extending to depth and decreasing in amplitude on lines 5164-5764 (yellow box on Figure 14). Further west, a narrow chargeability zone at surface with some depth extent appears on lines 7264-7564 (orange boxes on Figure 14). This zone coincides with monzodiorite which intrudes into the sedimentary rocks of the Stuhini Group.

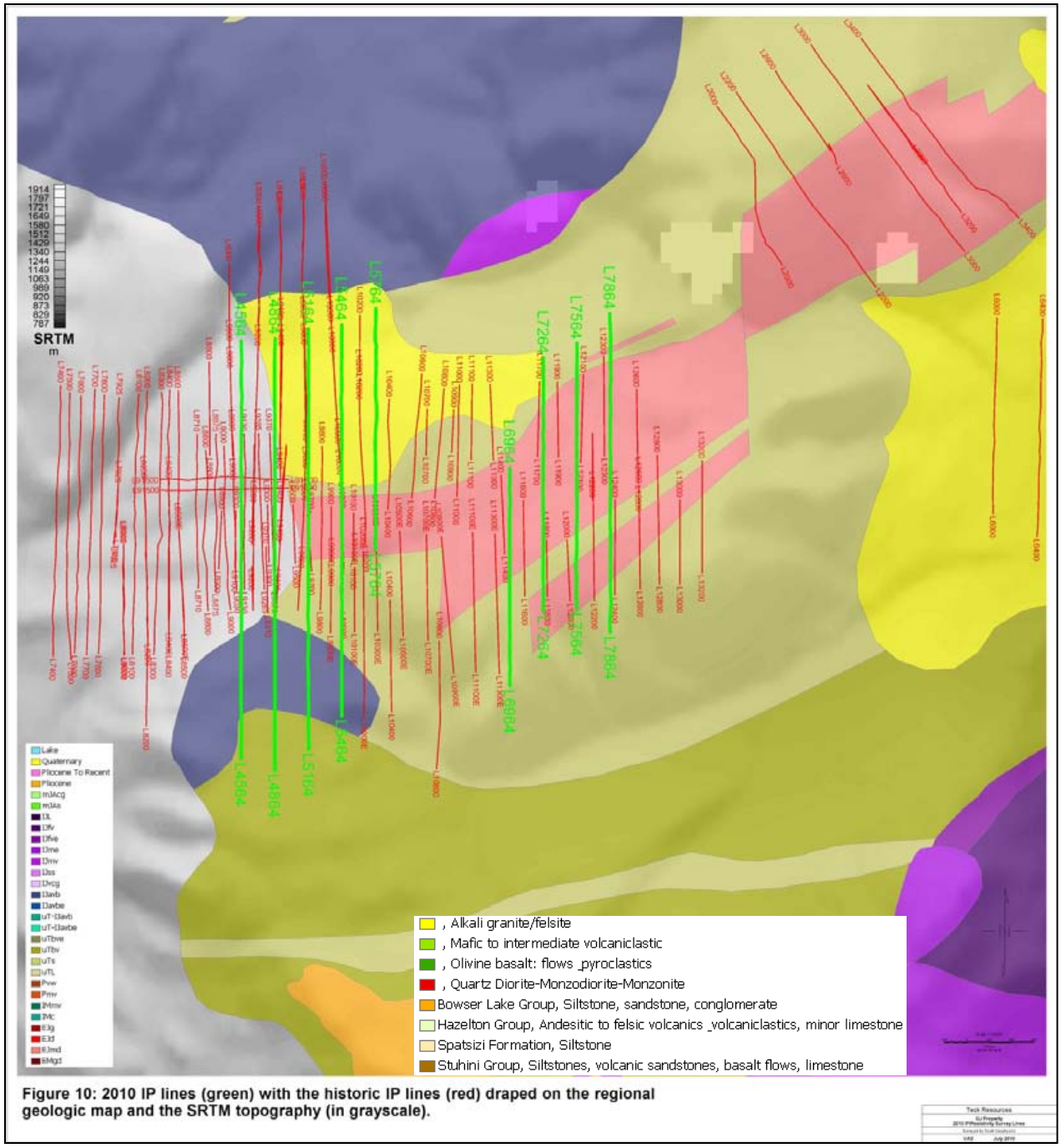


Figure 10: 2010 IP lines (green) with the historic IP lines (red) draped on the regional geologic map and the SRTM topography (in grayscale).

Figure 15: 2010 IP lines (green) with the historic IP lines (red) draped on the regional geologic map and the SRTM topography (in grayscale). See Appendix XII for large-scale, to scale map.

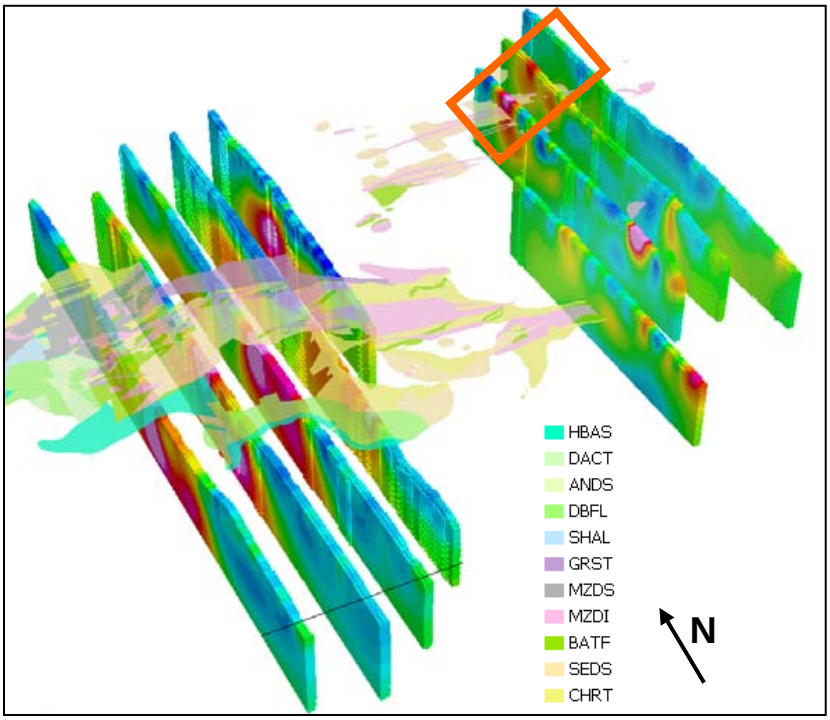


Figure 16: Detailed geologic map (Figure 6) from 2010 field season overlain on the 2D chargeability inversion models. Produced as a three-dimensional image and as such cannot be reproduced at a given scale. See figure 6 for detailed legend of litholgies.

Comparison with Historic IP data

IP/resistivity data have been collected for this property for almost twenty years (Figure 17: Appendix VIIII), using a variety of survey parameters that provide different penetration depths (Figure 18). All data were collected by Scott Geophysics, which lends some consistency to the data in terms of data collection, processing and naming conventions.

The 2010 resistivity/IP data match the shallow-penetrating 2007 survey in that high chargeability bodies at the bottom of 2007 inversion models are also present but more fully defined by the 2010 data (Figure 18). The same is true for the 2006 data, although there is less overlap, and the 2004 and 2003 data in the vicinity of the Wolf Plateau. Line 10400 of the 2005 data suggests that a chargeable feature in the 2010 might have some lateral continuity to the west. Amplitudes of chargeable features in the 2002 data are more subdued than in the 2010, perhaps indicating that a different transmitter was used.

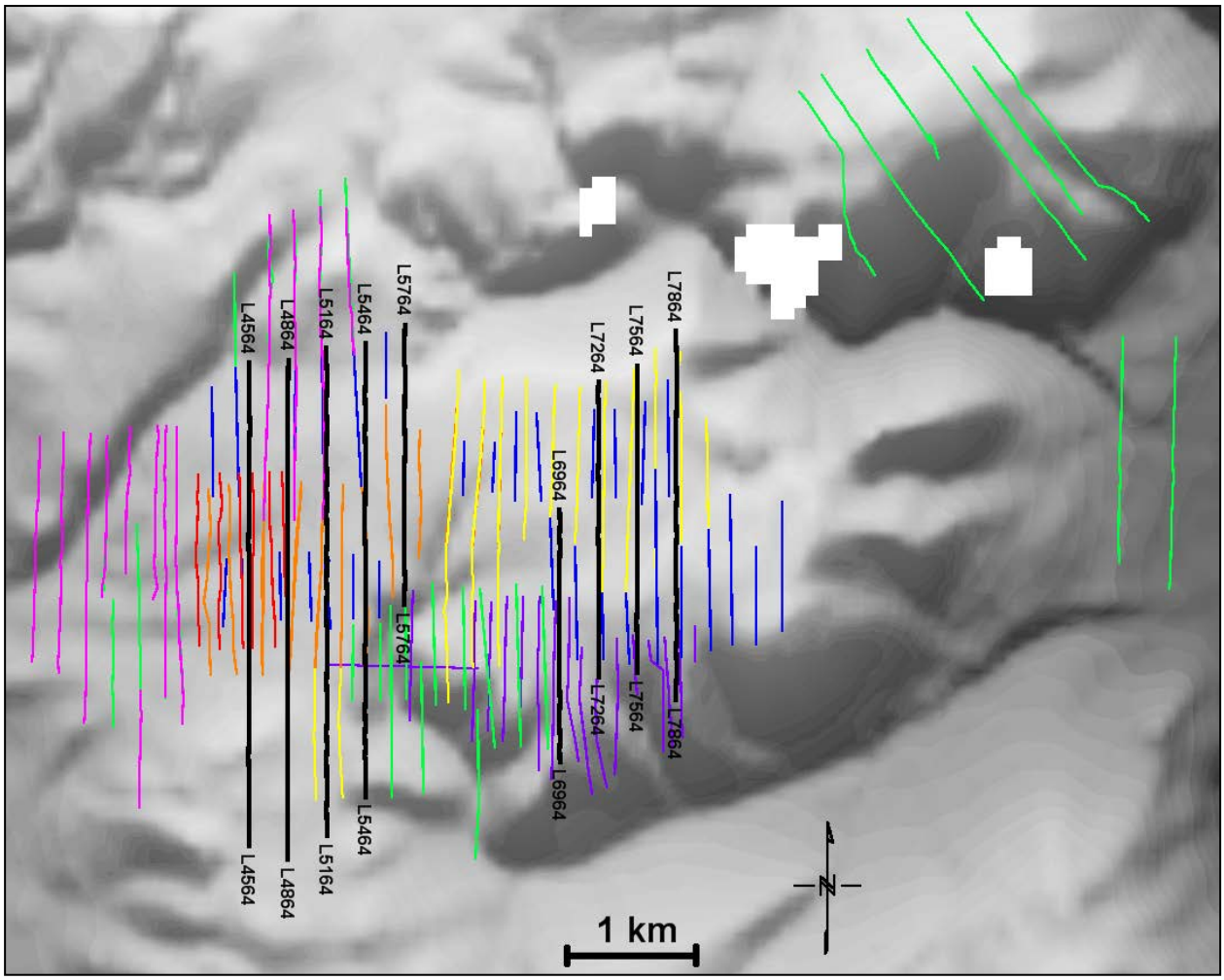


Figure 17: Historic and 2010 IP lines on the GJ property, displayed on SRTM 90 m topography. See Figure 11 and Appendix VIIII for large scale map.

Table 6: Summary of basic survey parameters of the different generations of pole-dipole IP/resistivity data.

Vintage	# lines	"a"-spacing	N values	Max DOI
2010	9	100 m, 200 m	1-6	300 m, 600 m
2007	6	25 m	1-5	75 m
2006	13	100 m	1-8	400 m
2005	17	50 m	1-5	125 m
2004	17	50 m	1-5	125 m
2003	15	50 m	1-5	125 m
2002	10	50 m	1-5	125 m
1990	17	25 m	1-4	50 m

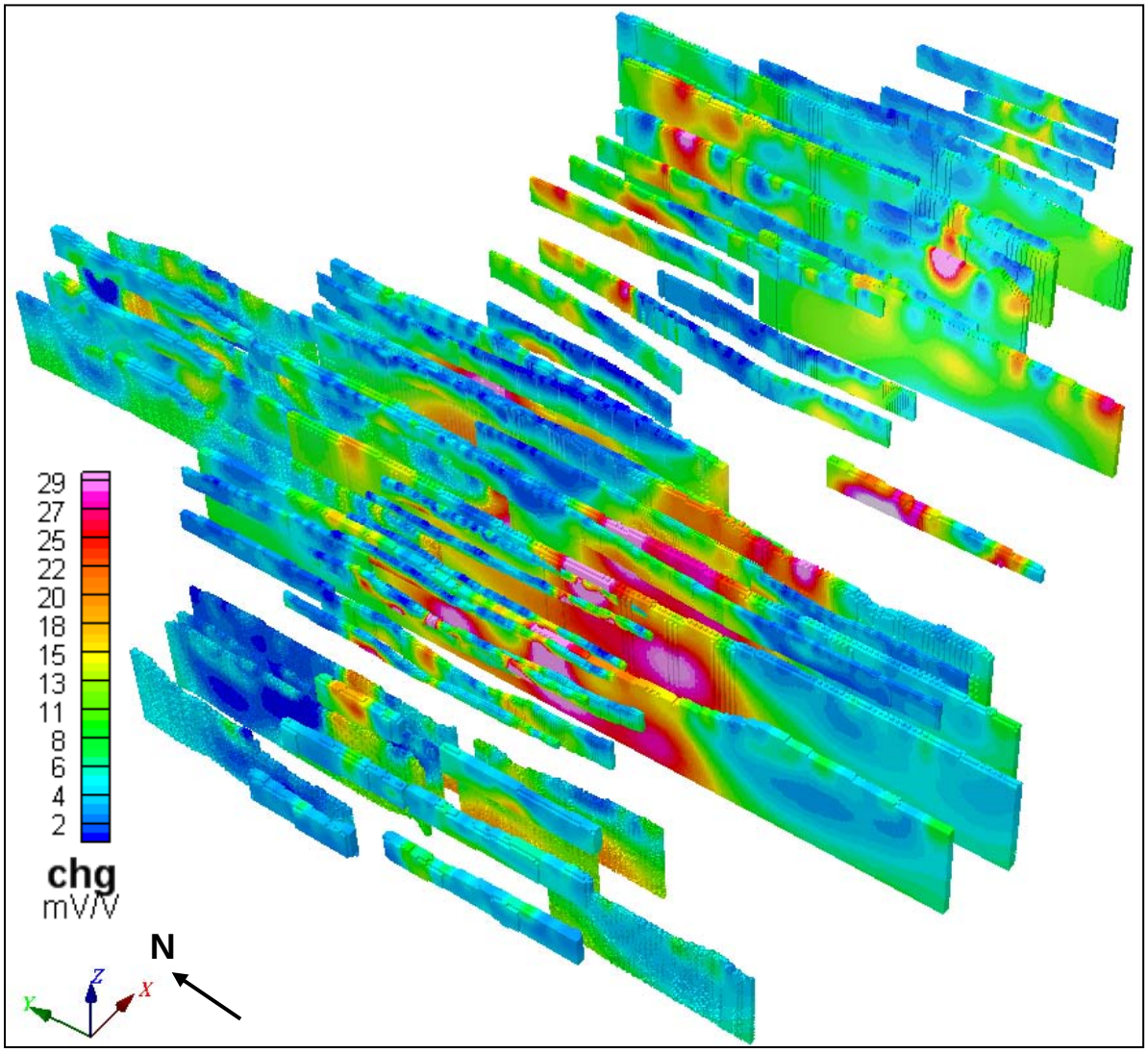


Figure 18: 2D chargeability inversion models for 2010 and historic IP data at GJ, all displayed with the same linear colour stretch. All models have been clipped to their theoretical maximum depth of investigation. Three-dimensional image and as such cannot be reproduced to a specific scale.

Integration with Magnetic Data

Aeromagnetic data were collected on the property along 250 m spaced lines with 2-3 m spaced readings along lines. These data were down-sampled to 50 m spaced stations and upward continued by 30 m to an average reading altitude of 50 m. Data were then inverted using the UBC-GIF Mag3D codes and best-practice inversion parameters (Table 7).

Table 7: Inversion parameters for the Mag3D inversion of the Fugro aeromagnetic data windowed around the main deposit area.

Inversion Parameters	
Regional removal	DC shift of +34.0456 nT
Topography	SRTM 90 m
Mesh	50 x 50 x 25 m
Mesh padding distance	5000 x 5000 x 2625 m
Mesh expansion	1.4
Weighting	Distance
Alphas	Default
Inclination, declination	75.3, 23.4
Field strength	57420 nT
Errors	5% + 1 nT

The resulting inversion model showed a large magnetic body in the vicinity of the 2010 IP survey (Figure 18). The high magnetic susceptibility zone has low chargeabilities and relatively high resistivities and is likely caused by a quartz diorite-monzodiorite – monzonite. The timing of this magnetic intrusive phase relative to the mineralizing event is unknown. High chargeability and resistivity zones appear to be located on the margins of this magnetic body but it is unclear whether the chargeable (sulphide-rich?) zones are caused by the magnetic intrusion or are instead destroyed or intruded by the magnetic phase.

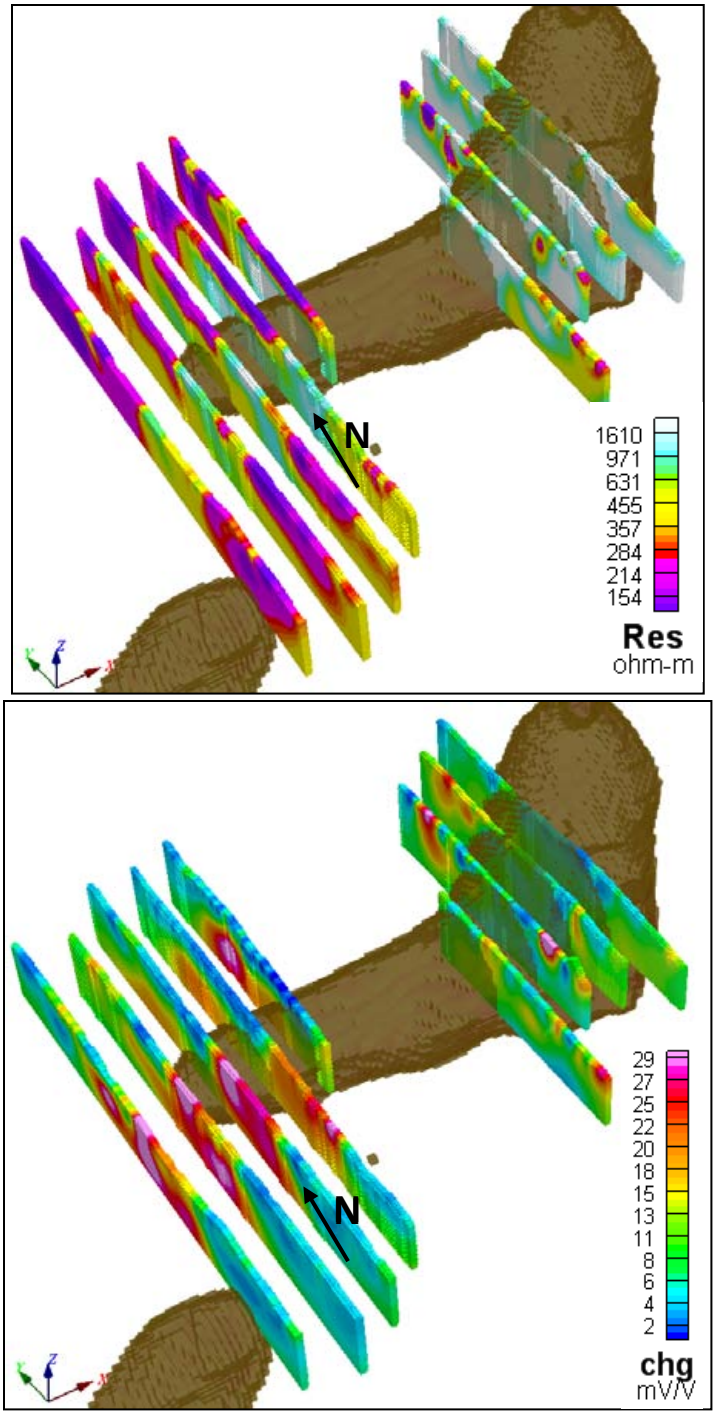


Figure 19: 2D resistivity (Top, above) and chargeability (Top, below) inversion models with an isosurface of the magnetic inversion model displaying areas with susceptibilities above 0.025 SI. Three-dimensional images and as such cannot be viewed to a given scale.

Integration with Historic Drilling

Drilling on the GJ property has primarily been focused around the main deposit. Shallow holes have also tested chargeability anomalies in historic IP data (Figure 20). At the main resource, drilling has tested the margin of the large chargeable body at surface and the more subdued chargeability response further north. The deeper chargeability response to the south has not been drill tested. The smaller and more subtle chargeability feature on the Wolf Plateau also has not been thoroughly drill-tested (Figure 21).

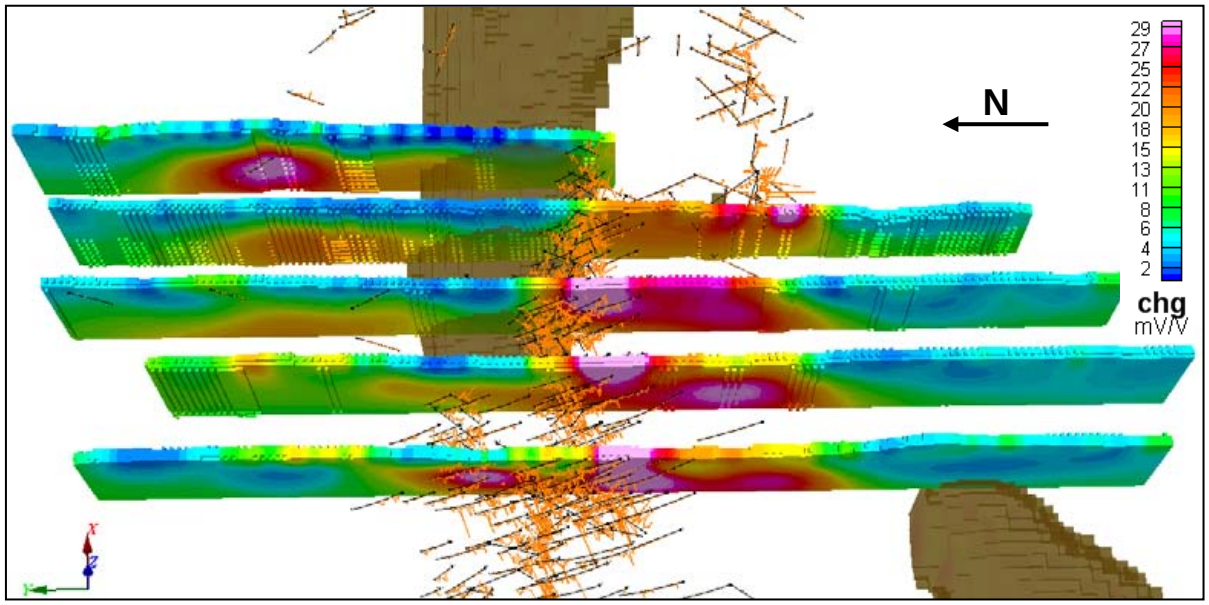


Figure 20: 2D chargeability inversion models of lines 4564 – 5764 displayed with the 0.025 SI isosurface of the magnetic susceptibility models (greenish surface) and historic drill holes (black traces) with copper assays (orange profiles). View is looking east. Three-dimensional image, and as such cannot be viewed to a given scale.

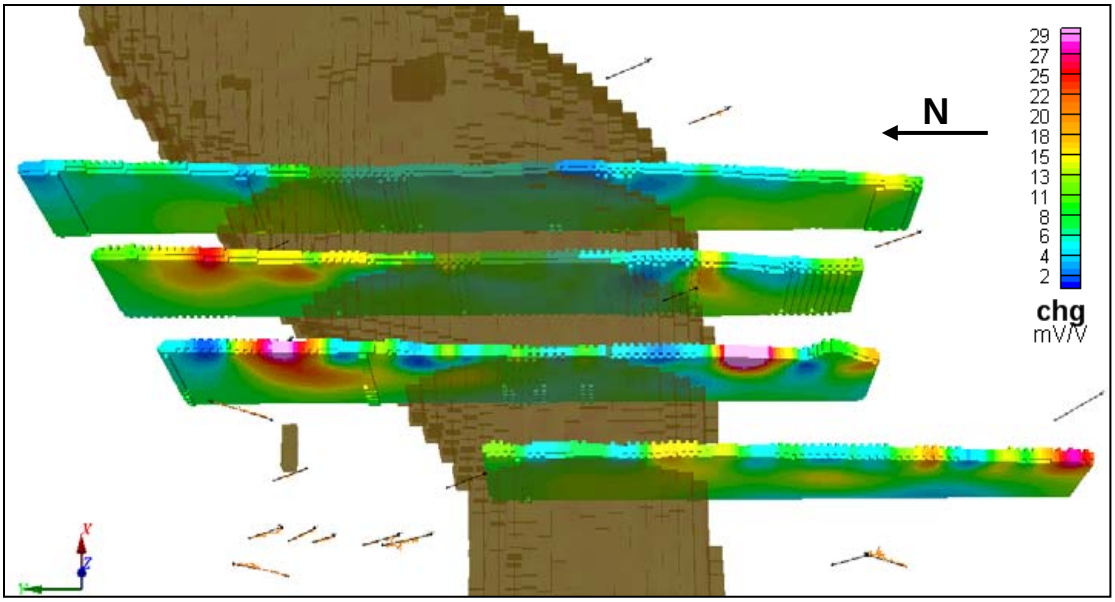


Figure 21: 2D chargeability inversion models of lines 6964 - 7864 displayed with the 0.025 SI isosurface of the magnetic susceptibility models (greenish surface) and historic drill holes (black traces) with copper assays (orange profiles). View is looking east. Three-dimensional images, and as such cannot be viewed to a given scale.

Logging of historic drill core

During a four week period, outcrops and existing drill core was re-mapped and re-logged respectively in order to:

1. Allow Teck to become more familiar with the lithologies, hydrothermal alteration and mineralization present on the GJ property, ahead of a planned 2011 field and drill campaign;

2. Undertake a spectral analysis study of hydrothermal minerals to compliment the visible alteration patterns mapped at surface and in drill core through the mineralized system;

3. Gain an understanding of the lithologies, alteration and mineralization. Particular attention was focused to determine:
    a. If the mapped and interpreted Groat Stock is a singular intrusion with emanating dykes extending into the host country rocks in the vicinity of the Donnelly Zone mineralization; or,

    b. Whether a more complex igneous exists, such as a composite dyke swarm (and if so, whether specific intrusive phases are related to mineralization).

The following section summarizes the key geological characteristics of the host volcano-sedimentary rocks of the Stuhini and Hazelton Groups, with comments on the recognition of at

least four recognizable intrusive phases of the Groat Stock (largely based on drill core observations).

Stuhini Group rocks

Rocks interpreted to be part of the Late Triassic Stuhini succession comprise coherent mafic volcanic rocks, associated volcaniclastic rocks, sedimentary rocks and cherts. Mafic volcanic rocks include augite-bearing basalts with local olivine- and plagioclase-bearing facies. Textures within these include pillows, brecciated domains (that may be flow-top breccias) and massive rocks. The lavas are discontinuous within the associated volcaniclastic and sedimentary package. Clastic facies include basalt clast-bearing conglomerates and breccias. Sandstones, siltstones, siliceous siltstones and chert beds and laminations are present, together with accessory limestone beds. Whilst a dominant southward dip was noted in outcrop in the Groat Creek area, the presence of irregular bedding plane orientations are widely present with local clear evidence for folding. Hence, a combination of pancake-style stratigraphy, deformation, local topographic, channel controls on sedimentation and volcanic lava emplacement have resulted in a variety of apparent bedding orientations.

Hazleton Group rocks

An unconformity is present, approximately 1.5 km north-northwest of the Donnelly Zone, which separates rocks of the Stuhini Group from Lower Jurassic rocks of the Hazelton Group (Figure 22). The overlaying rocks are characterized by massive and brecciated plagioclase and hornblende phyric andesitic volcanic rocks intercalated with subordinate crystal- and lithic-rich tuffs, sandstones and conglomerates. Mudstones, sometimes clay-rich and maroon in colour, are also present.

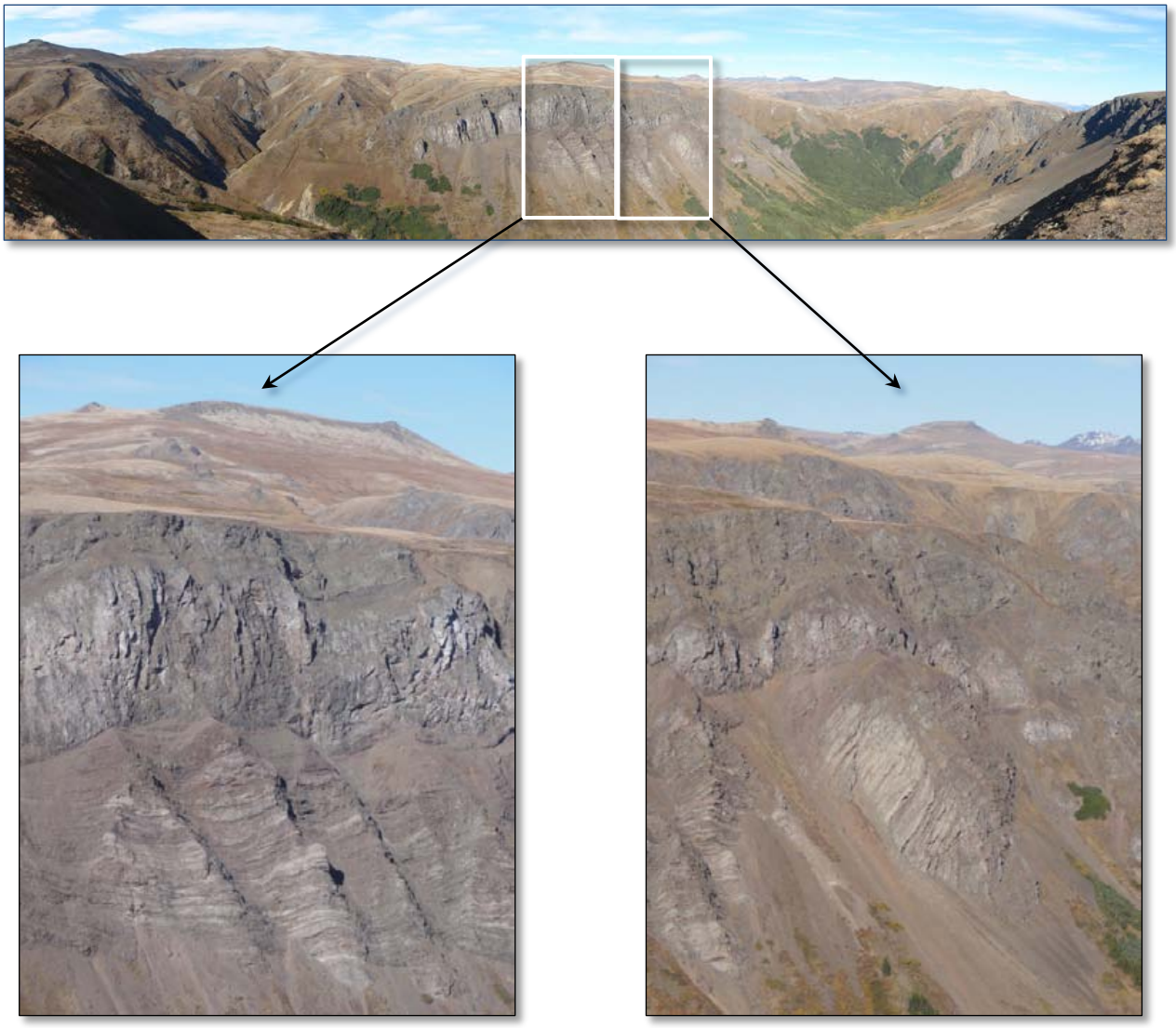


Figure 22: Photograph showing the large-scale unconformity separating rocks of the Upper Triassic Stuhini Group and Lower Jurassic Hazelton Group. Left Above: Looking to the Northwest, Right Above: L:ooking to the Northeast.

Rocks of the Groat Stock

The Groat Stock intrudes volcano-sedimentary rocks of the Shuhini and Hazelton Groups. The Groat Stock is oriented north-east to south-west. However, in the Donnelly area individual dykes, interpreted to emanate from the Groat Stock, are interpreted to trend generally in an east-west orientation. Re-logging during 2010 confirmed assertions by Ash (1996) that the Groat Stock comprises sheeted zones of dikes or sills. Based largely on core observations there are at least four clear coherent rock facies that make up the Groat Stock. Unfortunately, no convincing cross-cutting relationships were established so an igneous chronology could not be interpreted (Figure 24). Likewise, no clear pattern of the spatial distribution of the intrusive phases could be mapped out in the time available.

The four phases include:

Quartz-feldspar porphyry (Figure 23, Figure 24). A quartz-feldspar porphyry was logged in core, but not observed in outcrop. It is characterized by a sparse intensity of 2-4 mm quartz phenocrysts, often displaying resorbed textures, and a greater concentration of K-feldspar phenocrysts. Biotite is an accessory mafic phenocryst phase. The phenocrysts are set within a fine to aphanitic K-feldspar and quartz groundmass.

Feldspar-phyric monzodiorite (Figure 24). The dominant phase of the Groat Stock is a two feldspar- and hornblende-phyric monzodiorite with a fine to aphanitic groundmass. Plagioclase, K-feldspar, hornblende and biotite form the groundmass. The rock is generally massive in texture, though locally trachytic facies are present.

Equigranular monzodiorite (Figure 24). An equigranular facies, characterized by plagioclase, K-feldspar, hornblende and biotite is an important constituent of the Groat Stock. In general, this rock forms in close association with the feldspar-phyric monzodiorite and may represent a proximal phase of it.

Quartz-phyric monzodiorite/diorite (Figure 24). A quartz-phyric monzodiorite to diorite dike facies is also present. In addition to quartz as a notable phenocrystic phase, along with K-feldspar and plagioclase, the rock has a greater proportion of biotite.



Figure 23: Typical quartz-feldspar porphyry with minor quartz phenocrysts and high concentration of K-feldspar phenocrysts imparting a pink colouration to core (approximate core length = 10 cm)

As illustrated in Figure 24, each of the intrusive rocks is associated with differing mineralization characteristics. The equigranular and feldspar-phyric monzodiorites are, in general, associated with moderate to low-grade copper mineralization. The quartz-phyric monzodiorite/diorite lacks any copper mineralization (and therefore may be late- or post-mineral). In contrast, the quartz-feldspar porphyry is associated with the highest copper concentrations.

Figure 24 25 shows the location of the key diamond drill holes that were re-logged as part of the 2010 field season. Discussion of the alteration assemblages and mineralization is previously discussed in sections of this report (see Mineralization and Hydrothermal Alteration). The compilation of three geological cross sections was completed during 2010 (Figure 25, Figure 26, Figure 27) and included:

Section 424765 m including CGH-05-040, 07-143, 05-039, 07-147, 07-196, 06-096, 06-133 (for 1,452.05 m), section 424900 including CGH-06-108, 05-024, 04-002, 07-216, 05-022 (for 1,452.30 m) and section 425380 including CGH-05-036, 07-162 AND 02-212 (for 571.8 m). Total core re-logged was equal to 4,657.85 m.

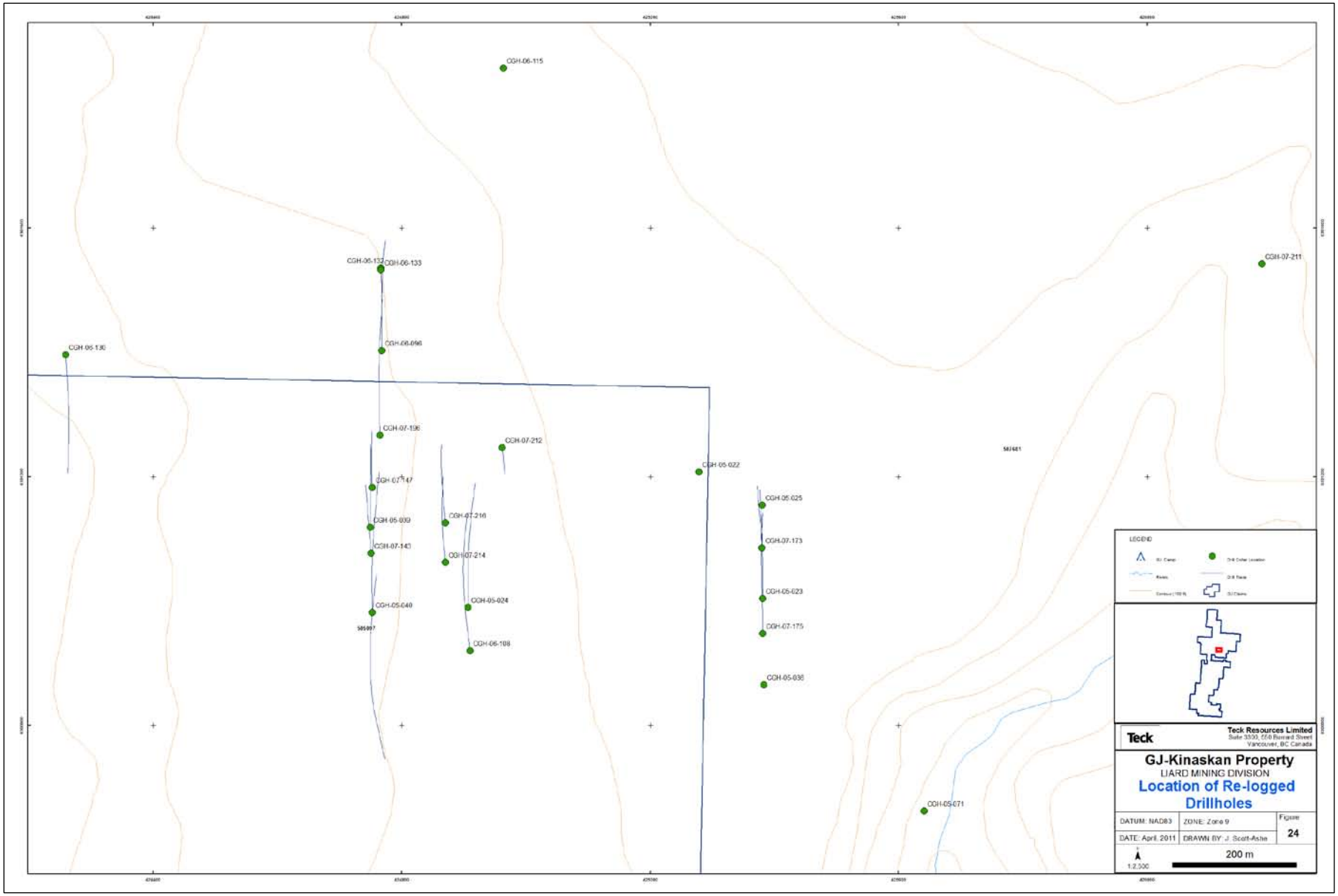


Figure 24: Location of diamond drill hole collars and drill hole traces for the re-logged drill holes. See Appendix XIII for large-scale map.

2010 Re-logging of Historic Drill Core

Drill holes re-logged during the 2010 season are included below:

Drill Hole Collar	Easting	Northing	Collar Elevation	Length
CGH-04-008	426911.72	6392150.58	1687.17	168.55
CGH-05-022	424904.77	6391207.65	1571.09	187.8
CGH-05-024	424906.35	6390989.36	1566.86	345.94
CGH-05-023	425380.62	6390989.36	1603.74	247.8
CGH-05-025	425380.13	6391154.53	1606.33	105.76
CGH-05-036	425382.59	6390864.98	1599.08	410.56
CGH-05-039	424749.11	6391118.46	1550.02	224.63
CGH-05-040	424752.29	6390981.77	1552.98	337.41
CGH-06-096	424767.29	6391403.20	1559.51	256.03
CGH-06-108	424909.77	6390920.22	1564.52	439.42
CGH-06-130	424258.97	6391396.46	1511.69	283.46
CGH-06-132	424766.54	6391535.93	1566.75	131.06
CGH-06-133	424766.60	6391532.39	1567.17	106.68
CGH-07-196	424764.74	6391266.57	1552.67	268.22
CGH-07-212	424961.28	6391246.65	1574.92	273.1
CGH-07-214	424870.20	6391062.22	1565.57	219.46
CGH-07-143	424750.25	6391076.87	1550.82	161.54
CGH-07-147	424752.62	6391182.92	1551.78	97.54
CGH-07-173	425379.61	6391085.57	1603.87	140.21
CGH-07-175	425381.09	6390947.66	1595.79	277.37
CGH-07-216	424870.35	6391125.92	1565.85	192.02

Interpretation of 2010 re-logging

Geological cross sections and interpretation drawn from the re-logging of the historic drill core from the GJ project are shown below (Figure 25, 26 and 27). Figure 25 illustrates the dominance and variability of intrusive lithologies within the GJ property in cross section.

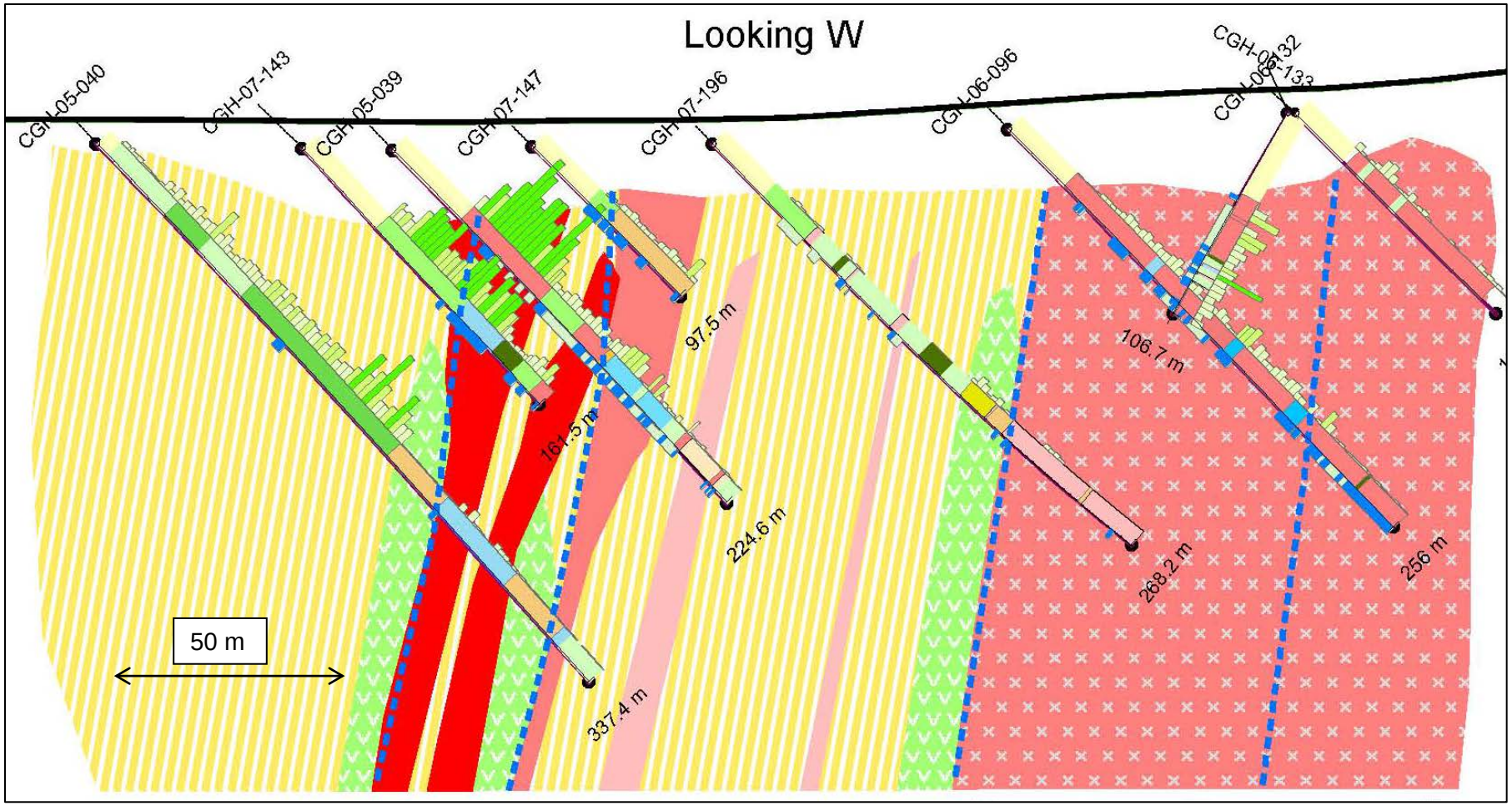


Figure 25: Section 424765 Re-Log; Inferred geological cross section using historical drill holes that were re-logged during the 2010 field season, showing lithology and histograms of Cu grade (see legend below for rock types and copper grades in %: gradational green).

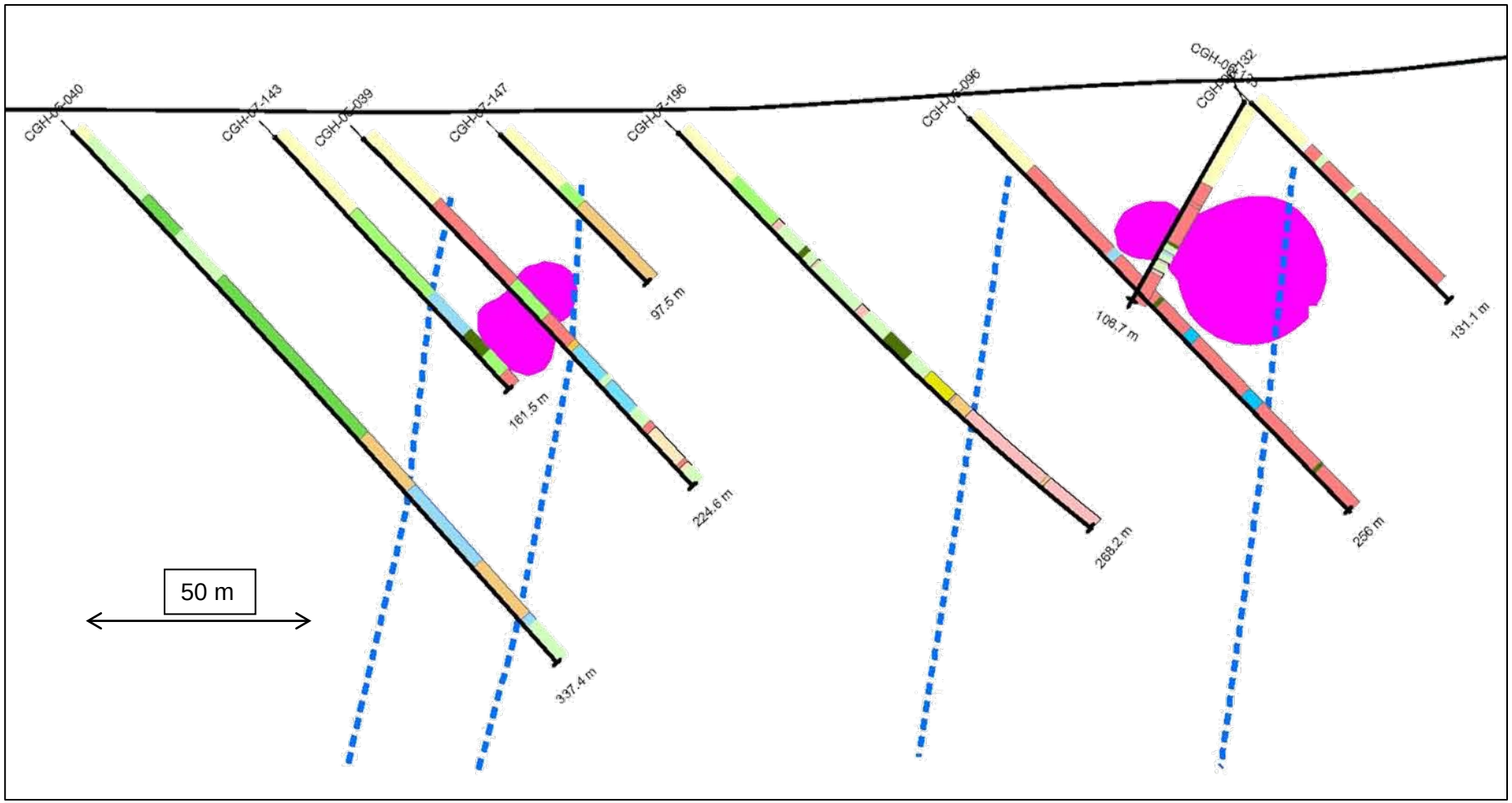
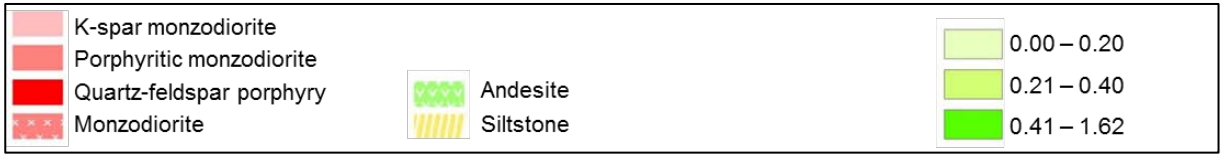


Figure 26: Looking West Section 424765 Re-Log, looking west, illustrating the distribution of bornite (Purple). See accompanying legend for Figure 25 above illustrating the legend for rock types and copper grades in %.



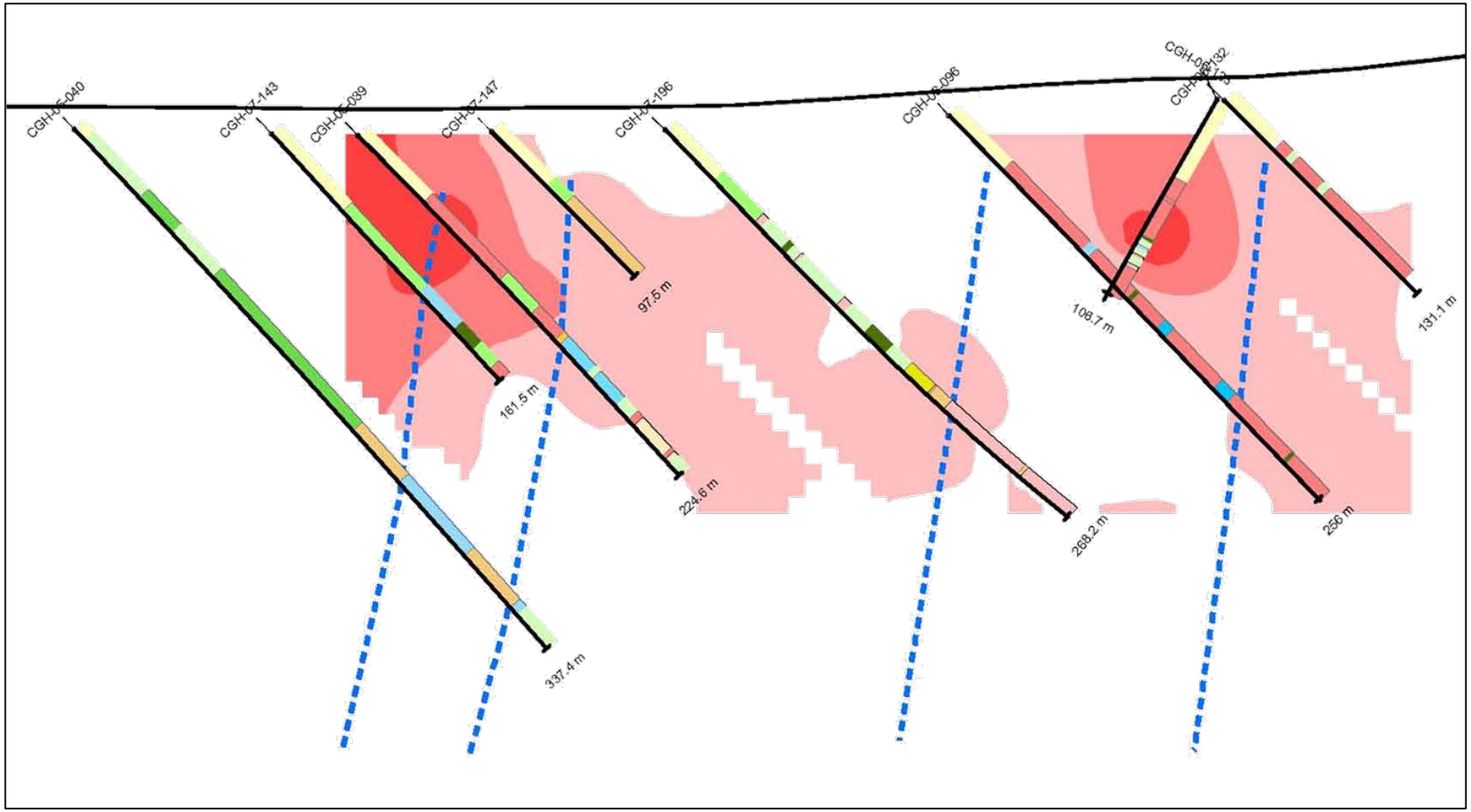


Figure 27: Section 424765 Re-Log looking West, illustrating the distribution of chalcopyrite (pink) and pyrite (yellow). See accompanying legend for Figure 25 above illustrating the legend for rock types and copper grades in %).

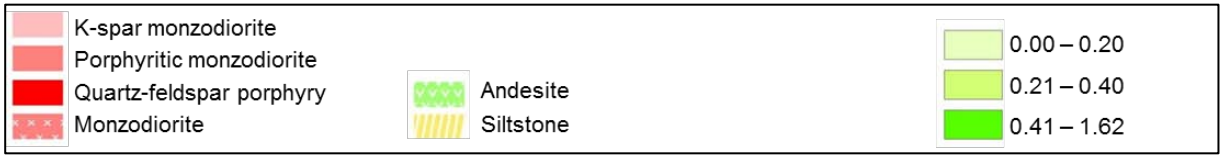


Figure 26 and 27 show the results of mapping copper sulphide species within the historic drill core at the Donnelly Zone, outlining two potential zones of sulphide zonation from a bornite-rich core, outwards to chalcopyrite and to pyrite. The chalcopyrite, copper-rich sulphide species (Figure 27) shows a trend from south to north of decreasing copper grades, with the highest copper grades located in drill holes CGH-05-039 and CGH-07-143 (Figure 25), A repetition of this high copper grade is observed in drill holes to the north (Drill holes CGH-07-135 CGH-06-096), where copper grades are slightly elevated. Faults are interpreted on the cross section and could account for the repetition of and increased copper grades observed to the north.

Spectral study of existing drill core

A spectral study of selected historical drill core located at the GJ property was designed to develop exploration vectors towards Cu mineralization and reassess previous exploration work. Such vectors could be a useful exploration tool for the GJ district and could also help understand 'near-miss" drill holes. Similar previous studies of this type have primarily focused on calc-alkalic porphyry systems.

Short Wavelength Infrared (SWIR) can be used to map solid solution variation in alteration minerals. Measurements of the depth, position, and slope of the absorption features (Figure 26) of recorded spectra reflect changes in the solid solution chemistry of the studied hydroxyl-bearing minerals. A mapped systematic variation in depth, position, or slope in a particular absorption feature can suggest chemical variation in a mineral that could be due to variation in pH, temperature, or fluid composition at the time of crystallization. These systematic variations can be utilized to vector towards higher temperature and more acidic parts of a mineralizing system. SWIR can allow the mapping of cryptic variations in alteration mineral chemistry that allows for a better understanding of alteration mineral distribution, inference about fluid pathways, and the development of vectors towards mineralization.

Systematic variation in sericite, chlorite, clay minerals, and any hydroxyl-bearing mineral's spectra can be used (Figure 28); however, SWIR mapping of sericite is mostly commonly applied in VMS systems.

The report begins with a brief review of the lithogeochemistry in effort to classify rock groups by composition. The following section, and the most useful, identifies gradients in sericite and chlorite spectra that highlight the resource area at GJ. The final part of this report investigates the relationship between ore elements and variations in spectral features of sericite and chlorite mineral groups, and is limited to the drilled area. Geochemical analysis was not available for every spectral sample and was limited to select intervals of drill core. A shortcoming of this work, and the next step in evaluation, is to link the reported spectral gradients and observations to the GJ district geology.

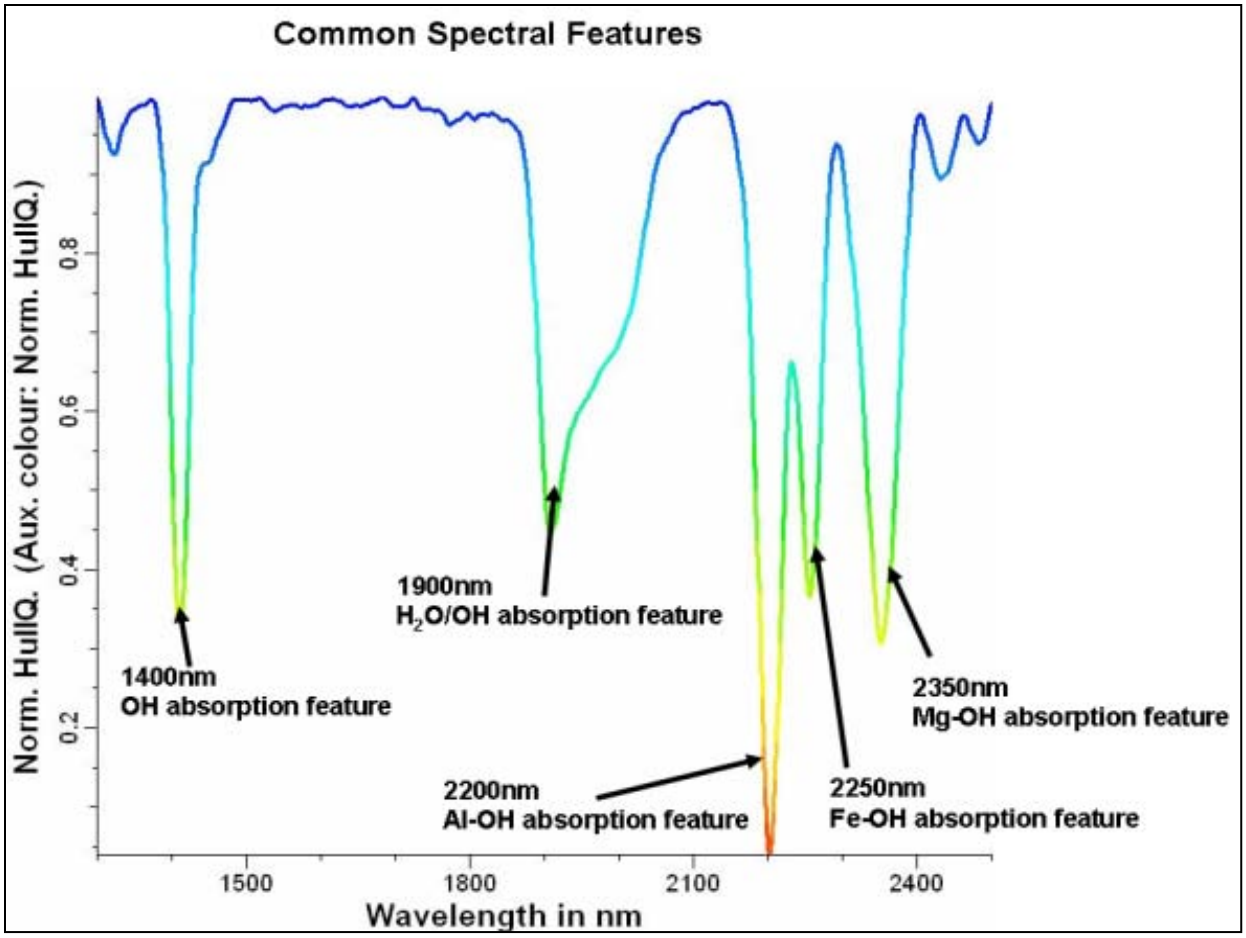


Figure 28: Absorption features in an example of typical sericite spectral data

Methodology

An ASD Terraspec was used to collect spectral data from existing drill core. The ASD Terraspec was used to measure the spectral variation down hole of OH-bearing and CO_3 minerals. A total of 3482 spectral data points were recorded from 20 historical drill holes (Appendix XVIII). Data points were recorded from the drill core down the length of these selected drill holes. The sample number and depth down hole were recorded for each data point, along with comments made where appropriate. This table of SWIR data point descriptions is provided in Appendix XVIII.

Discussion of Spectral Data

Greater than 80% of the 2010 spectral data points consist of minerals that can be grouped as the white micas. Sericite is the most abundant mineral identified by SWIR spectrometry in the GJ 2010 chip data (Figure 29). Other mineral groups that were recorded include smectites and chlorites (Figure 29).

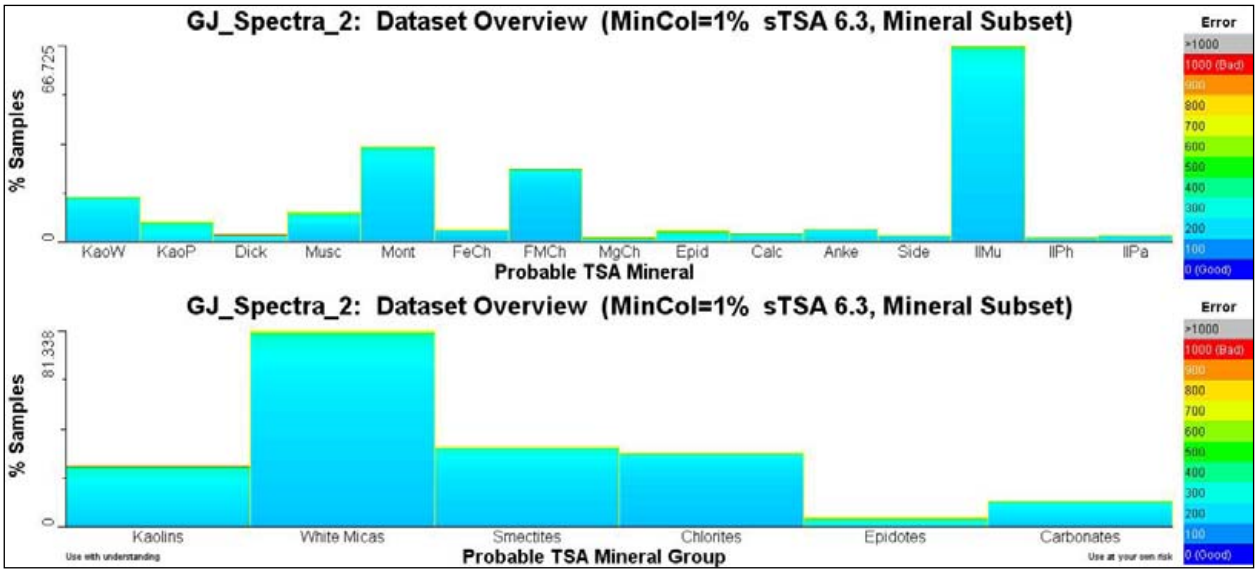


Figure 29: Summary of the minerals picked from spectra, showing >80% of the data points plotting within the White Micas

Sericite, includes muscovite, phengite, paragonite, and illite, and excludes kaolinite or smectite mixes. Smectites and clays are also prolific, but are of little use in identifying vectors to high temperature portions of a magmatic-hydrothermal system, or gradients in pH. Chlorite is the third most abundant mineral group in the GJ 2010 data. Interestingly dickite, typically a mineral associated with advanced argillic assemblages, occurs in 110 samples (Figure 29). The presence of dickite may be indicative of telescoping of the magmatic-hydrothermal system at GJ.

Figure 30 shows the spectral data once kaolinite-sericite mixes have been removed. The remaining data represents more reliable data for use in the evaluation and vectoring to the focus of the GJ magmatic-hydrothermal system. The largest influence on sericite wavelength characteristic is generally protolith composition. Thus, the reliable sericite data can be further sub-populated into groups that are based upon concentration of particular (non-ore) elements (Sc, Cr, Co and Mg).

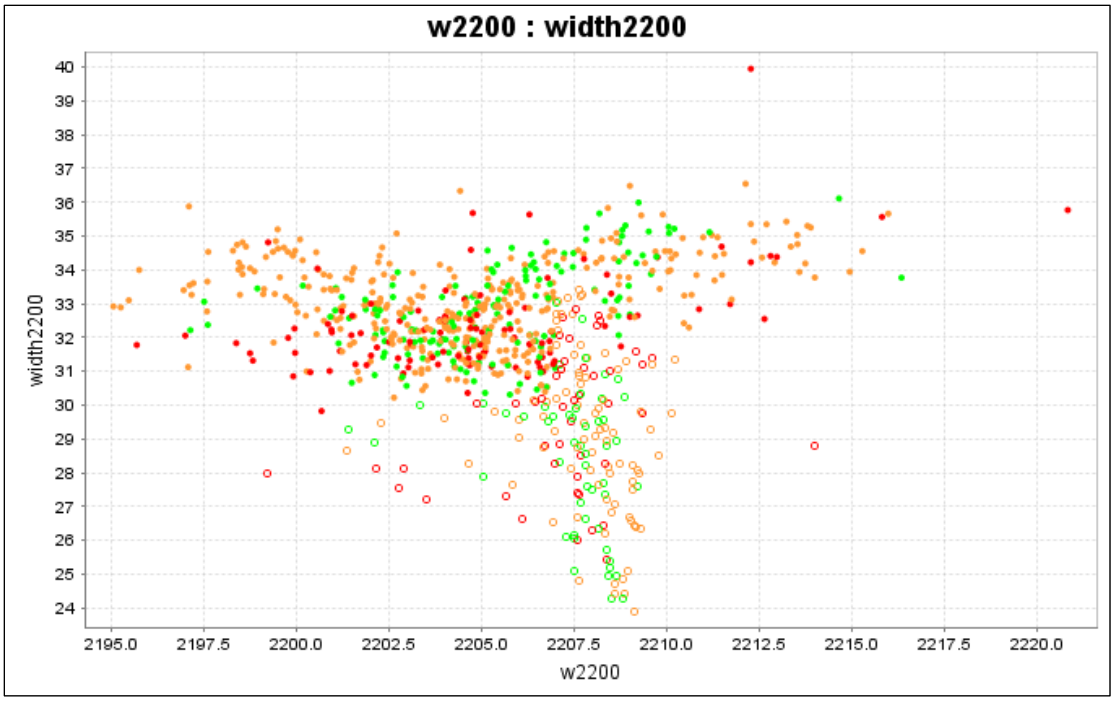


Figure 30: Spectral data for GJ 2010 with kaolinite – sericite mixes removed showing illite, illite-chlorite mixes and sericite.

Estimation of rock groups from partial lithogeochemical data

Protolith composition can strongly influence alteration mineralogy. Figure 31 is a series of bivariate plots showing Al vs. Mg, Sc, V, Cr, Co and Ti. The data used here is a mix of analytical techniques. Additionally, incomplete digestion methods appear to have been used (i.e. the Ti values), thus, this data is not suitable for whole rock classification. Ideally conserved elements plots Ti-Al or Al-Zr would be utilized to discriminate rock compositions and alteration, however, this data is not available. Nevertheless, two distinct rock group, and a third more subtle one, based on ratios of Al-Mg, Al-V are discernable (Figure 31 and Figure 32). These linear arrays per lithology type may represent lines of alteration of compositionally similar rocks types. Variations in mineral spectra are evaluated per lithology in the following sections of this report (Figure 32).

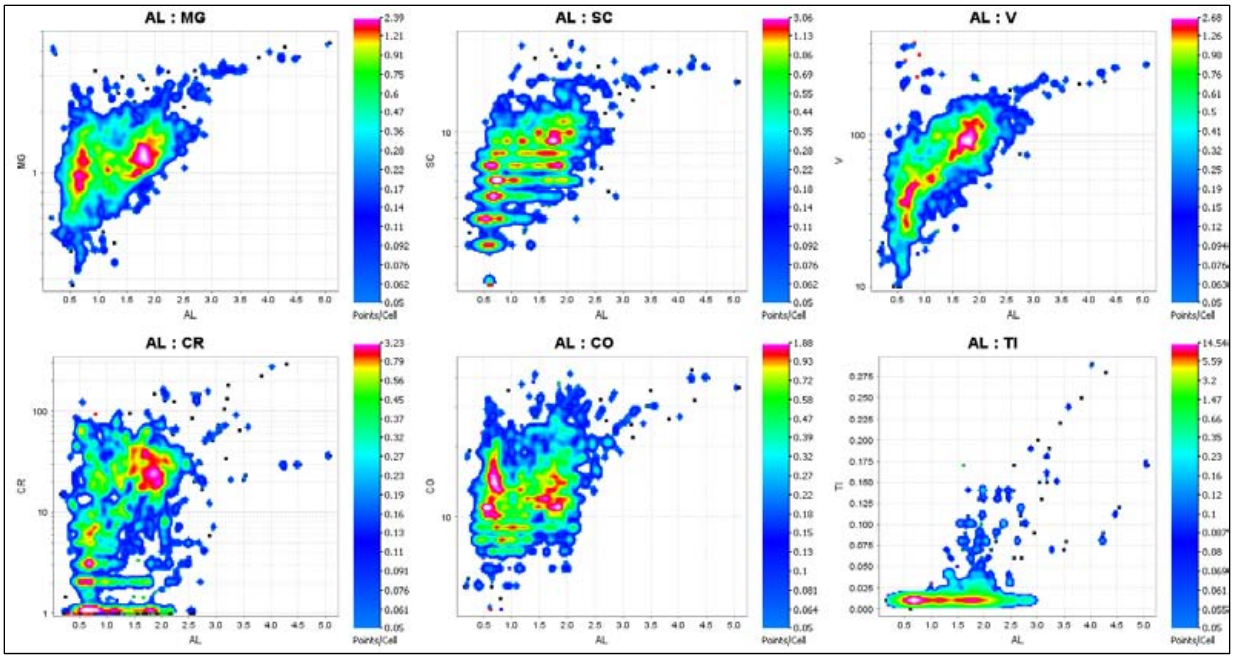


Figure 31: Bivariate discrimination plots of rock samples from GJ. Note the data here is a mix of analytical techniques. Warm colours denote clustering or greater density of data points with similar values. Additionally, incomplete digestion methods appear to have been used, thus this data is entirely suitable for whole rock classification.

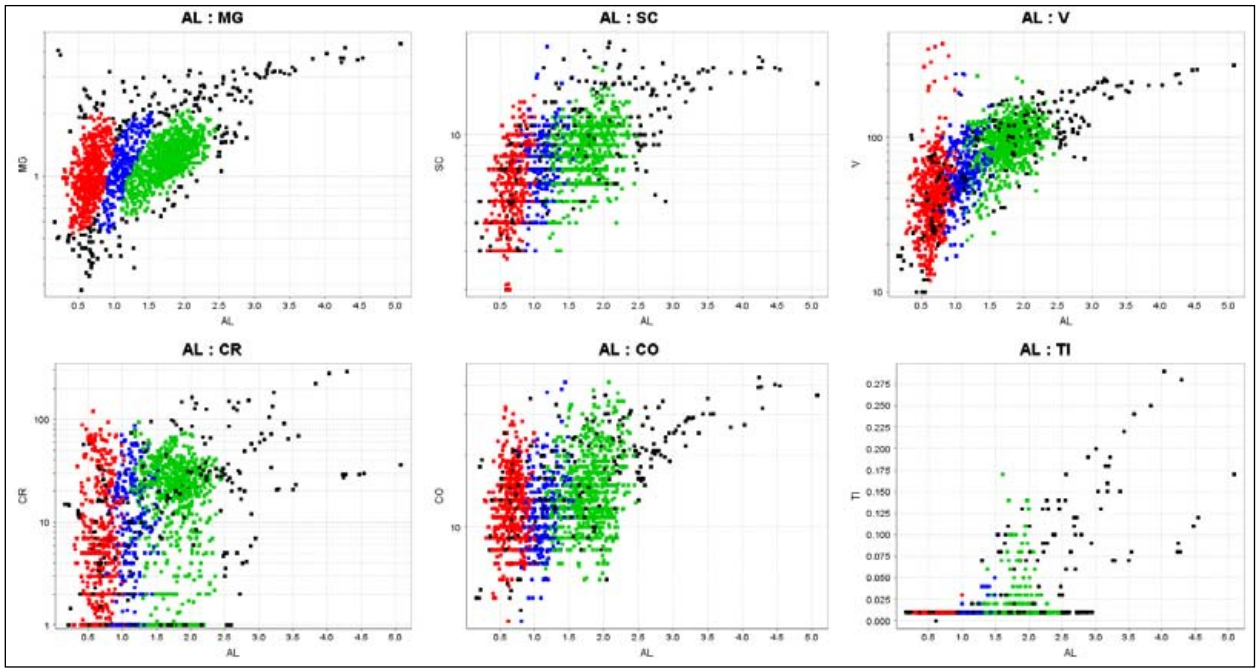


Figure 32: Lithologies defined by trends and clustering in Mg-Al ratio. The linear data arrays per lithology are perhaps due to alteration (mass gain and loss).

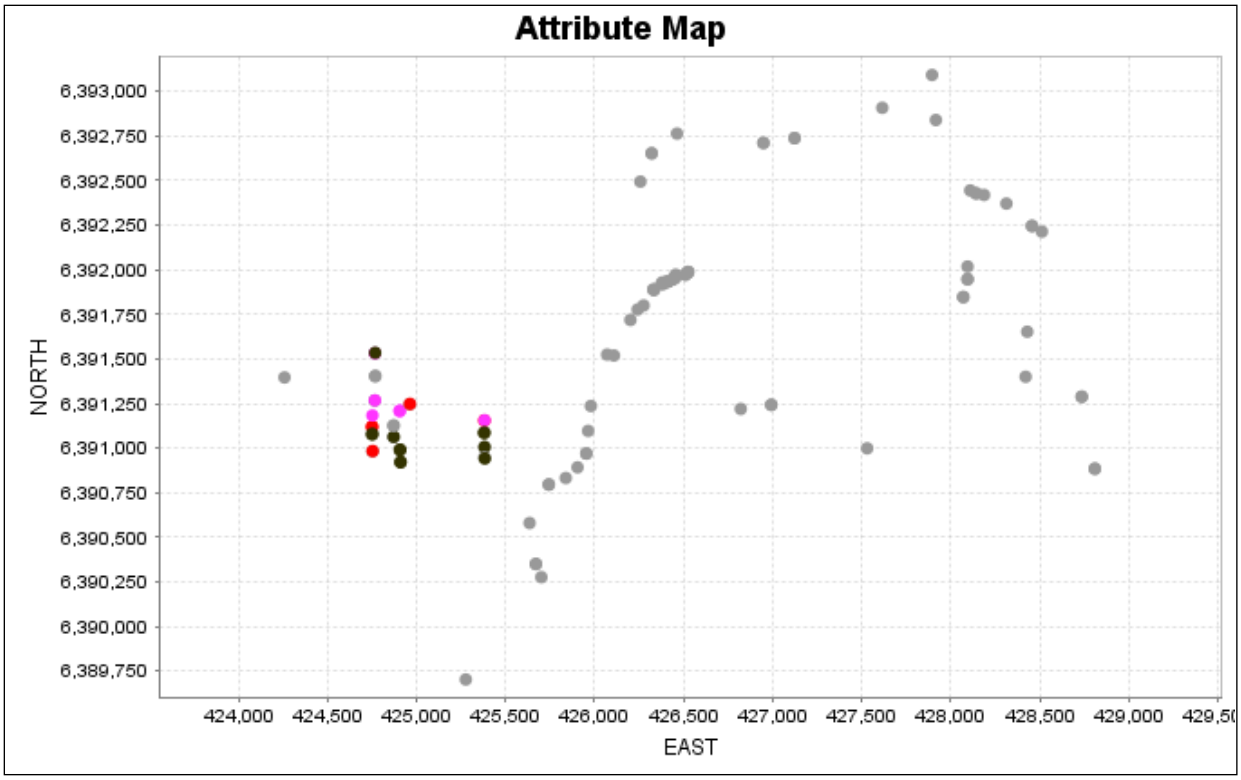


Figure 33: 2010 GJ spectral sample location plan map. Whole rock geochemistry for most of the unclassified lithologies was unavailable.

District variation in SWIR alteration minerals

The plan map data presented here is sourced from top-of-hole drill core and outcrop data (Figure 34). A review of spectral variations along sections with respect to geology and mineralization should be completed as a follow-up from this initial evaluation of the GJ SWIR spectra.

Based on the alteration minerals and mineral-groups determined by SWIR spectrometry, no clear pattern is evident that distinguishes the resource area (Figure 34).

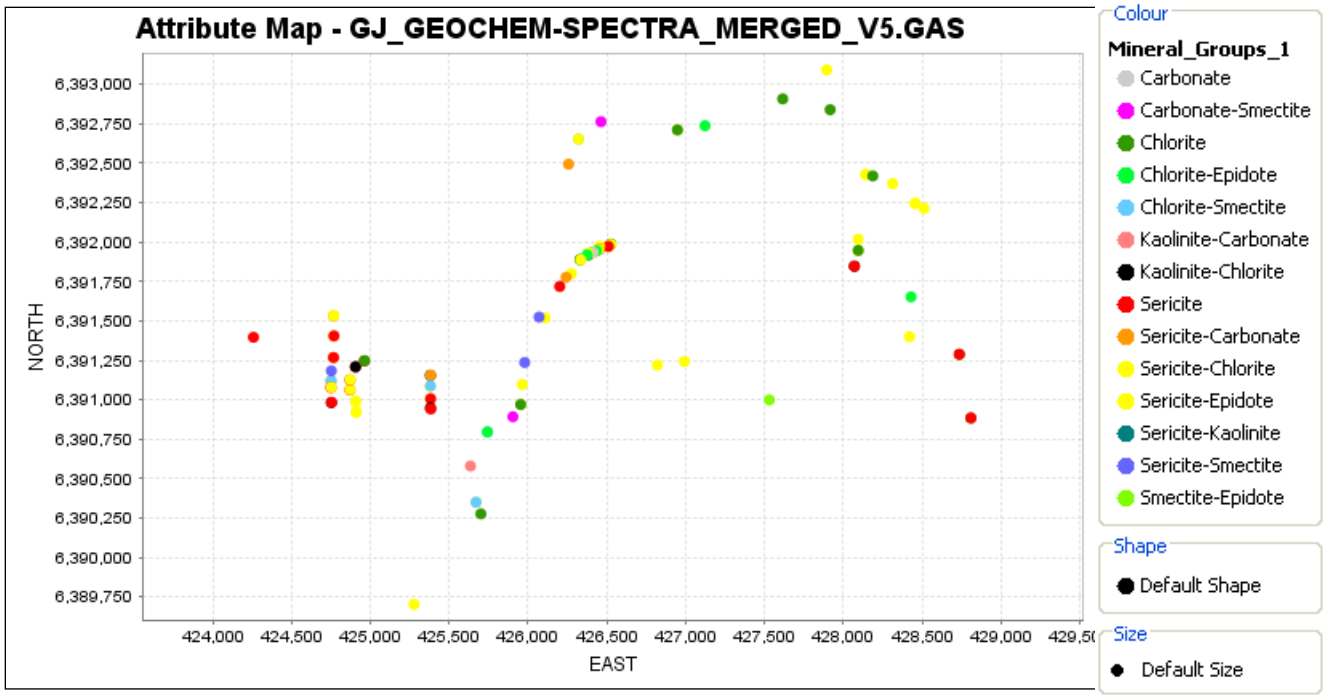


Figure 34: 2010 GJ alteration mineral groups determined by the ASD spectrometer. The black box is an approximate indication of the drilled resource area. Data shown here has not been sub populated based on protolith composition.

By extracting specific wavelength features from the sericite group minerals, and discarding kaolinite- and smectite-dominated samples, gradients in sericite composition can be distinguished. The data shown in figures in 32 to 35 has not been grouped based on lithology type. Sericite with low wavelength Al-OH (w2200) occurs outboard of the main resource area (Figure 35). Inversely, a cluster of long wavelength (phengitic) sericite characterizes the mineralized center (Figure 35). The low wavelength sericite is inferred to be Al-rich muscovite and to have formed in acid conditions, whereas, long wavelength sericite is phengetic and formed in more neutral conditions. Acid muscovite is reported in distal d-vein halos at other nearby porphyry deposits such as, Red Chris and Highland Valley Copper, and at shallow levels at Yerington. The areas labeled T1 and T2 (Figures 33 and 34) are targets based on gradients in sericite composition from low to long wavelength and should be further evaluated with respect to known geology.

Chlorite is the dominate Mg and Fe-bearing alteration mineral determined by SWIR at GJ (Figure 29). The most Fe-rich chlorite occurs in the resource area (Figure 35). High Fe^{2+} slope values characterize samples within the resource area, whereas surrounding values are considerably lower. Additionally, there appears to be an increase in Fe^{2+} slope from south to north within the resource area. Based on gradients in chlorite spectra, some targets in outlying parts of GJ are evident (Figure 35). Gradients in chlorite spectra overlap with the sericite vectors in Target two. Based on high Fe^{2+} slope values, targets 3 and 4 should be followed-up.

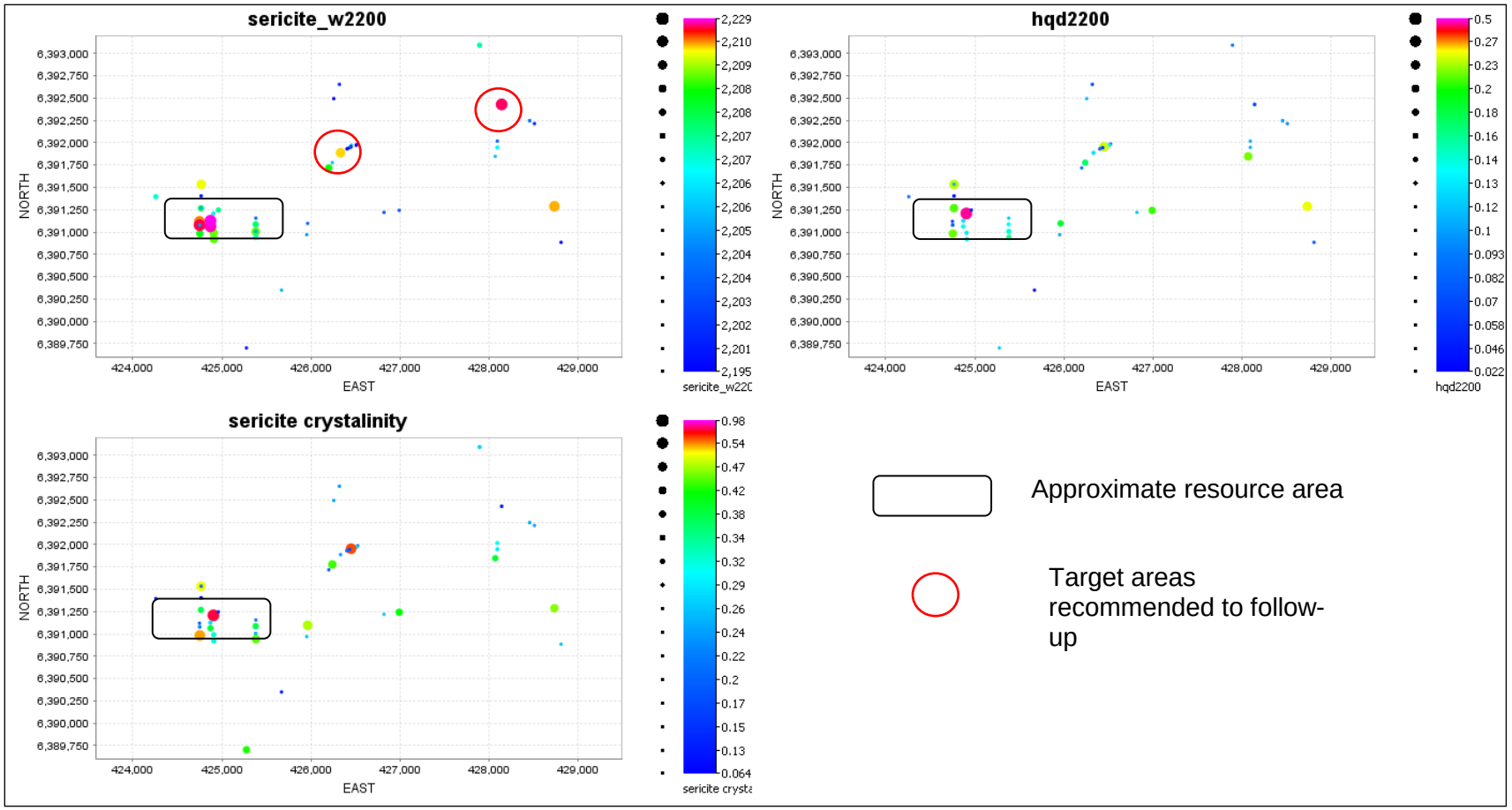


Figure 35: Variations in the wavelength position of the Al-OH (w2200nm) feature, hull quotient normalized depth of the Al-OH (hqd2200) feature, and crystallinity index of sericite minerals at GJ. Sericite = muscovite, phengite, paragonite, and illite, and excludes kaolinite or smectite mixes. Data shown here has not been sub populated based on protolith composition.

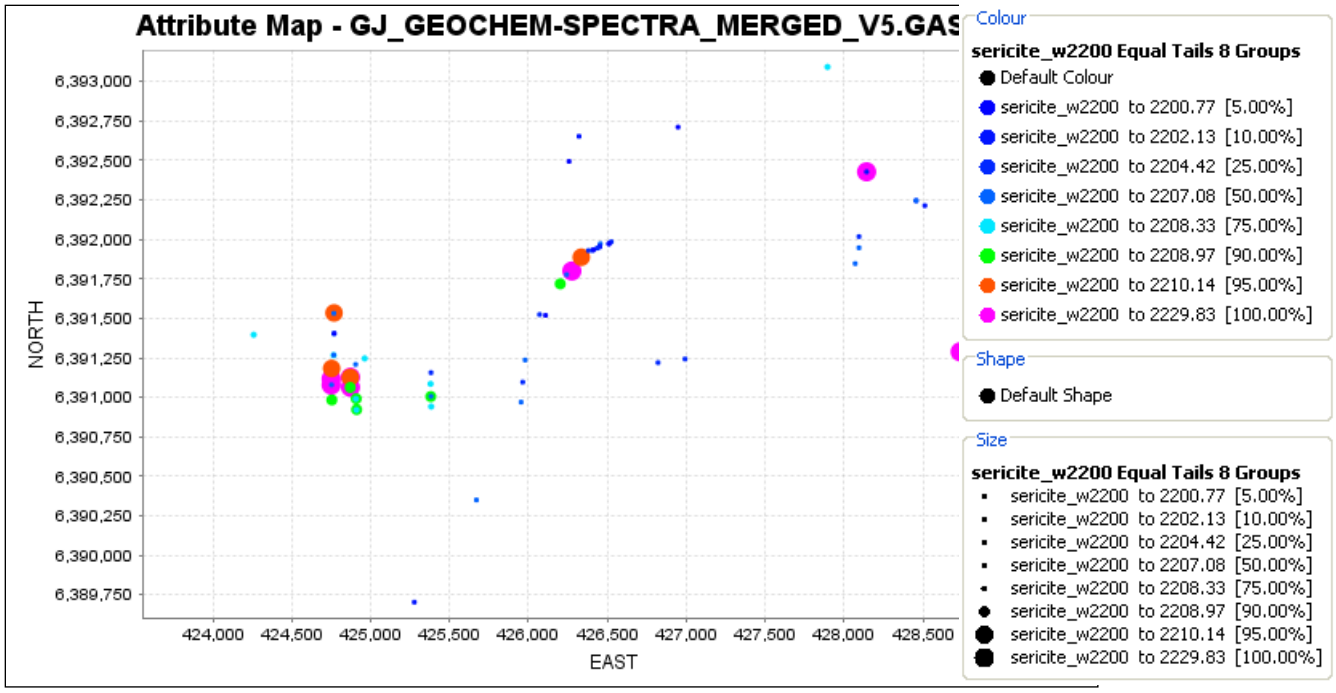


Figure 36: Variations in sericite Al-OH absorption feature wavelength. Warm colours = phengitic compositions (more neutral formation conditions), cool colours are muscovitic in composition (more Al-rich and acid stable). Values less than 2200nm likely correspond to Na-rich white mica (paragonite).

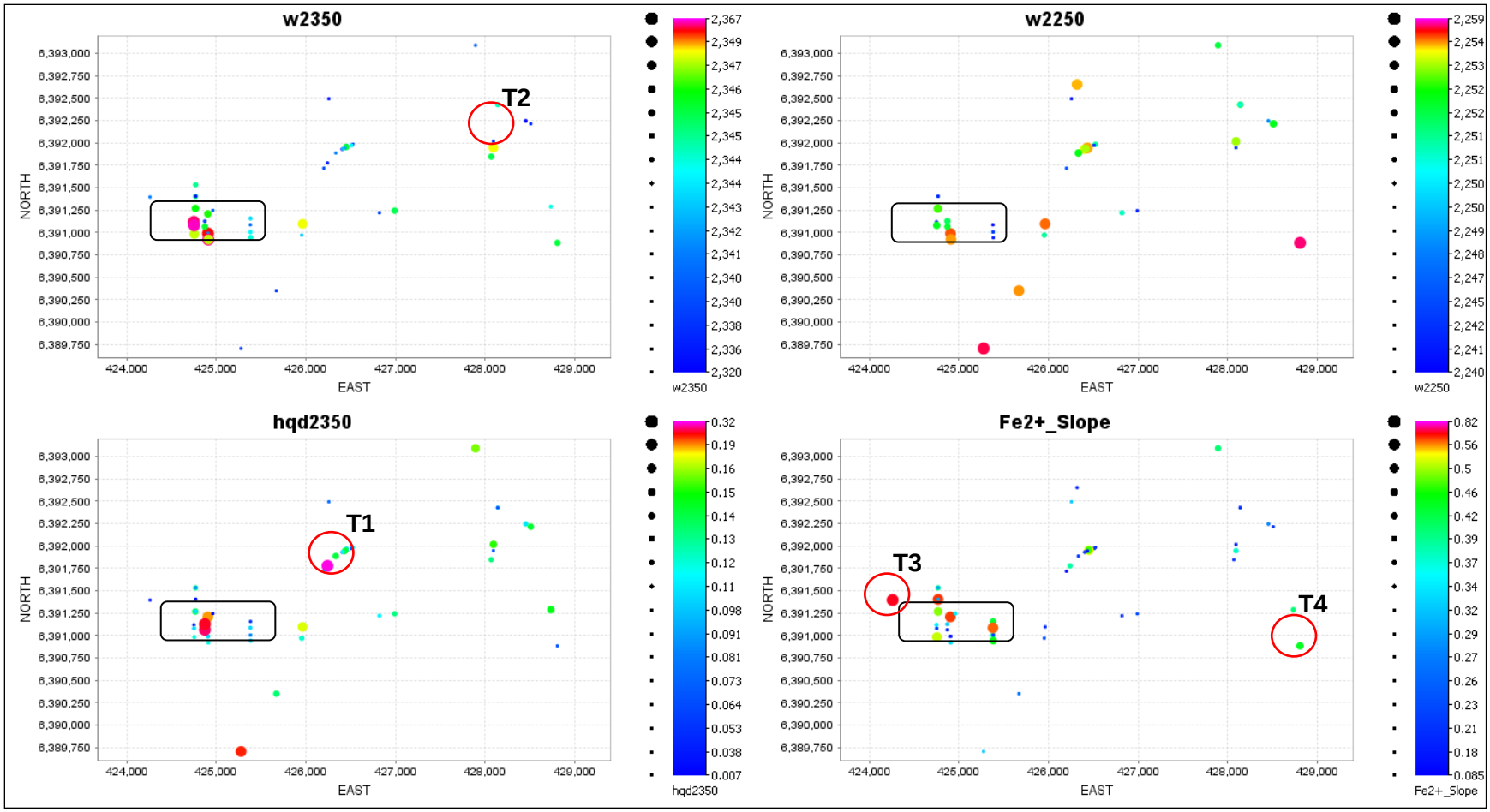


Figure 37: Variations in wavelength position of Mg-OH absorption feature (w2350), Fe-OH (w2250), hull quotient normalized depth of the Mg-OH feature (hqd2350), and Fe^{2+} slope. The predominant Mg-bearing mineral in the data set is chlorite. Overlap in the w2250 region between chlorite, 2nd order features in sericite, and epidote make it less reliable for interpretation. Data shown here has not been sub populated based on protolith composition.

Evaluation of mixed sericite spectra

Plotting the width versus the position of the Al-OH (2200nm) feature in sericite-bearing samples can be used to distinguish mineral mixes and overprinted samples (Figure 38).

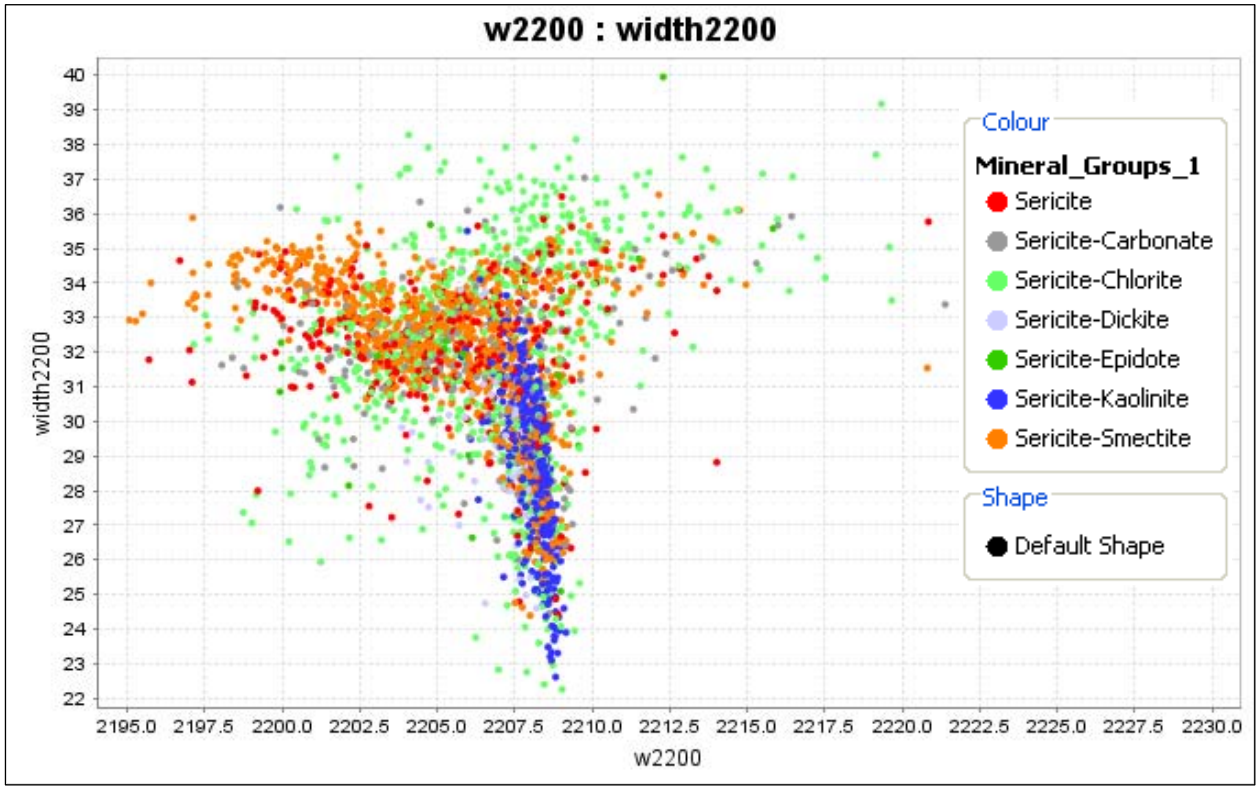


Figure 38: Sericite mixes present in the GJ data, where sericite includes muscovite, paragonite, phengite and illite. Note the tight clustering of kaolinite-bearing sericite samples at 2208nm, likely caused by overprinting of earlier sericites.

Sericite-chlorite mix has an irregular distribution based on w2200nm variations. Plotted in terms of depths of the Mg-OH (hqd2350) and Al-OH (hqd2250), however, the mix is clearly distinguished. Similarly, kaolinite overprinted samples form a linear array characterized by low hqd2350/hqd2200 ratio. By symbolizing by lithology type, determined from geochemistry, the protolith influence on alteration minerals is clear. Lithology C is dominated by chlorite-bearing alteration. Figure 39 shows the data points remaining after removing mixed mineral spectra.

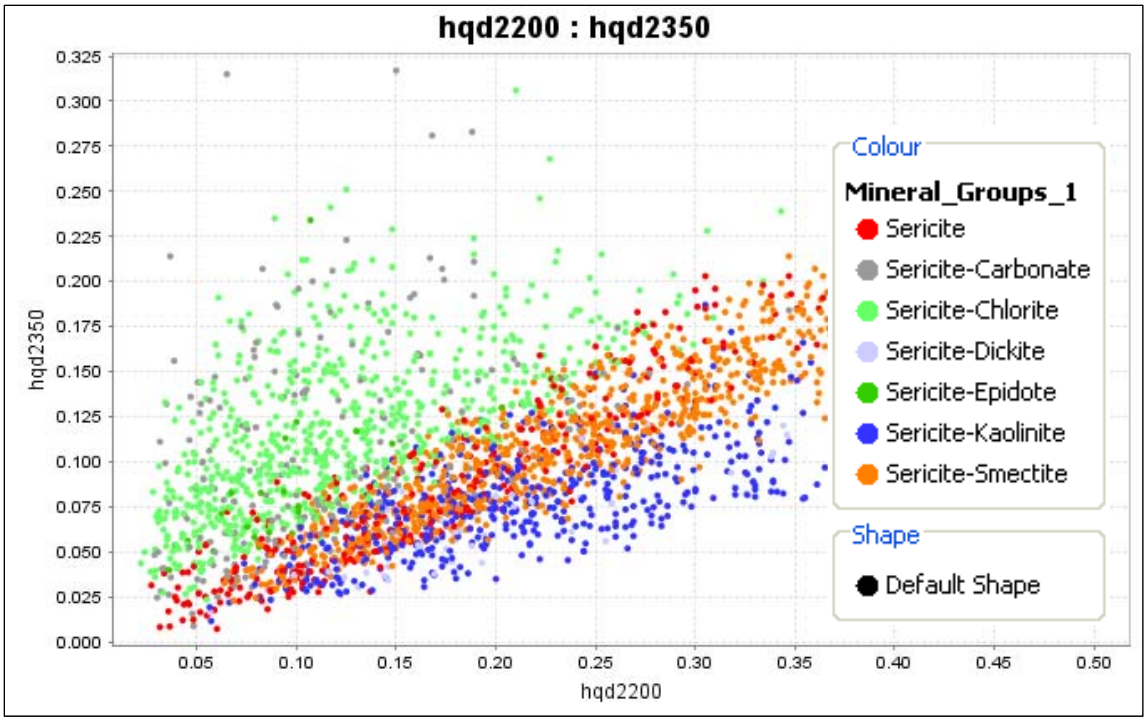


Figure 39: Depth of the Mg-OH feature versus depth of the Al-OH feature. Chlorite-sericite mixes cluster reflecting the influence of Mg-OH feature in their spectra. Kaolinite-bearing samples are distinguished by high hqd2350/hqd2200 ratio.

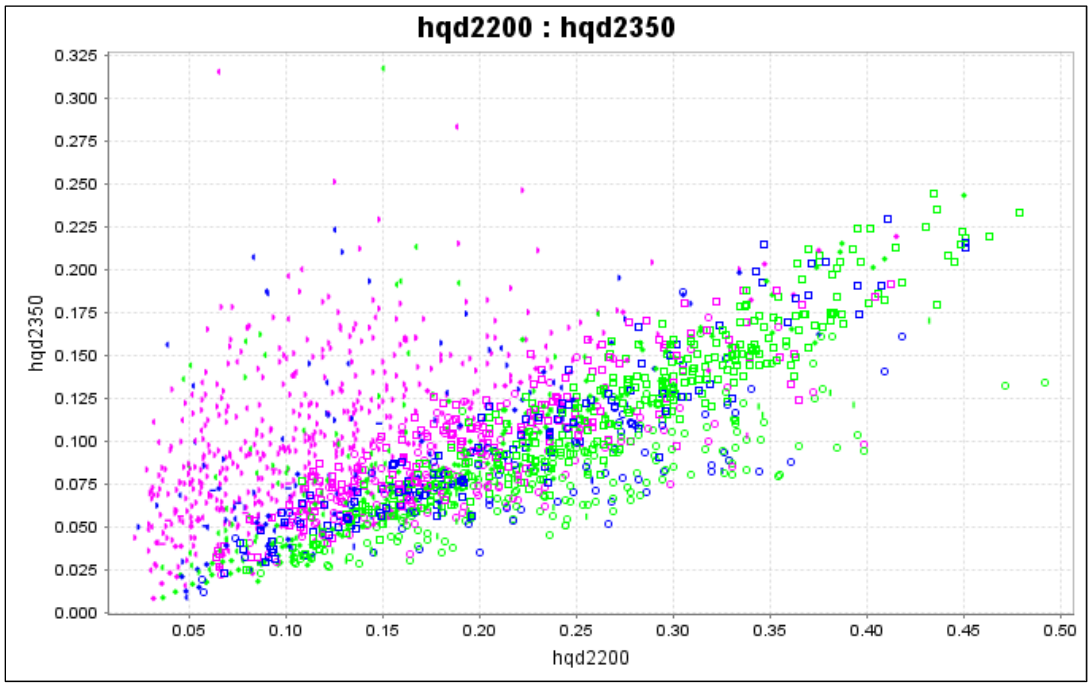


Figure 40: Symbolizing by rock composition shows the influence of on alteration mineral chemistry. Lithology C is dominated by the sericite-chlorite mix.

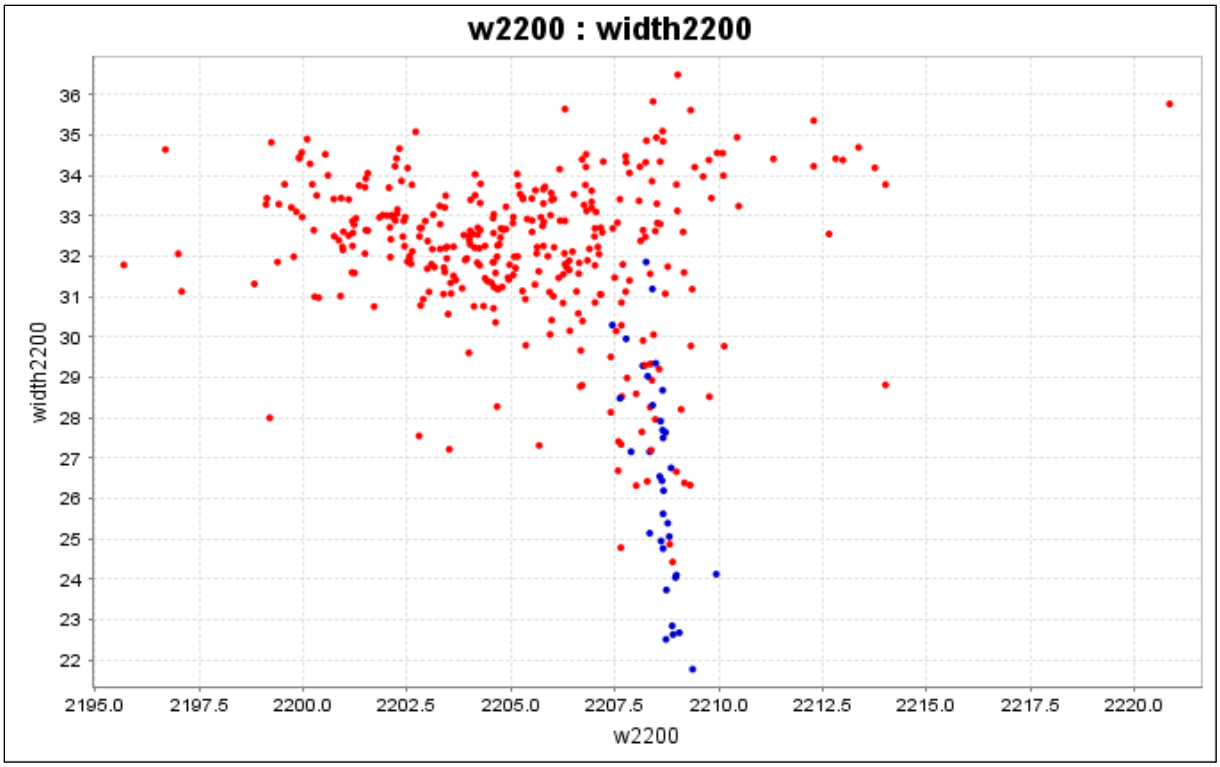


Figure 41: Removing mixed spectra and overprinted samples from the data set may help identify reliable (clean) sericite to evaluate with respect to mineralisation. Sericite that overlaps with the kaolinite (in blue) field is also excluded from the data set.

Metal Associations

Prior to investigating alteration mineral spectral features with respect to mineralisation, metal associations are reviewed here. High Ag and Pb values are associated with As concentrations > than 2 standard deviations (Figure 43). A silver, lead and arsenic mineralisation is characteristic of epithermal assemblages. Copper and Au are strongly correlated (Figure 42). Similarly Ag is positively correlated with Cu. Mo is weakly positively correlated with Ag (Figure 42).

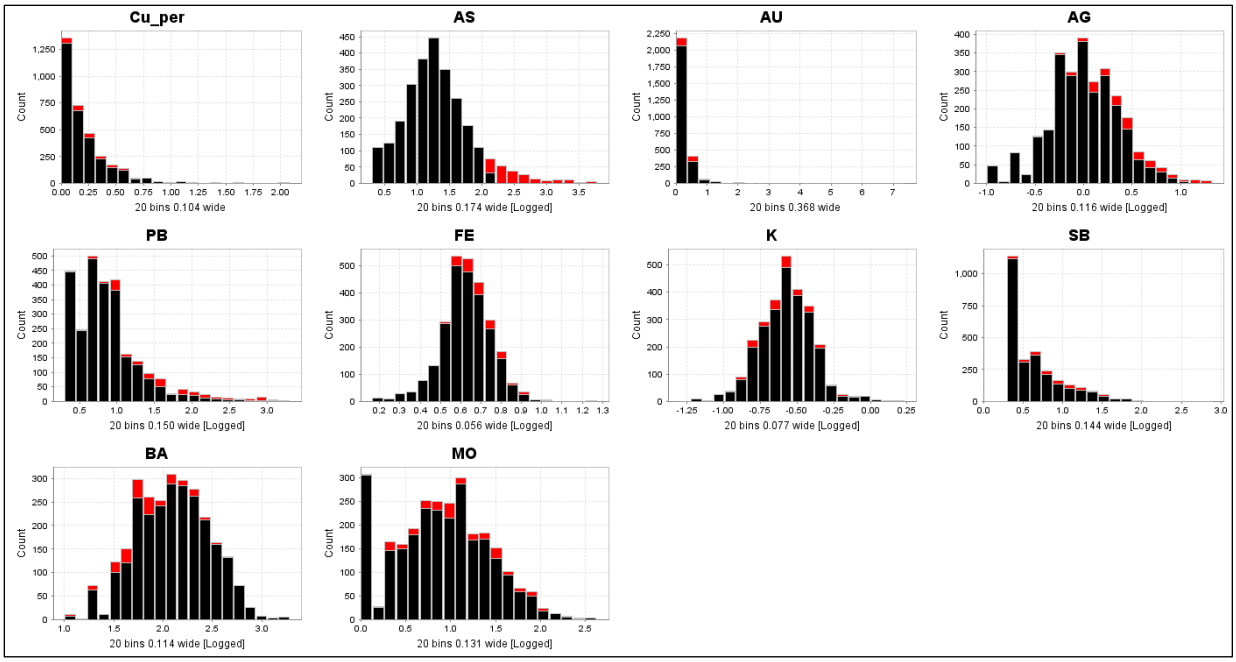


Figure 42: Logged Bar plots of key elements: Cu%, As, Au, Ag, Pb, Fe, K, Sb, Ba and Mo.

Red Bars indicate samples with high contained amounts of As.

Correlation	Cu_per	MO	AS	AU	AG	PB	FE
Cu_per	1	0.19	-0.024	0.61	0.46	-0.026	
MO	0.19	1	0.051	0.12	0.25	0.023	
AS	-0.024	0.051	1	0.18	0.2	0.18	
AU	0.61	0.12	0.18	1	0.44	0.038	
AG	0.46	0.25	0.2	0.44	1	0.37	
PB	-0.026	0.023	0.18	0.038	0.37	1	
FE	0.28	0.01	0.11	0.19	0.26	0.07	
K	-0.023	-0.036	-0.06	-0.0087	-0.051	-0.03	
SB	0.12	0.15	0.092	0.062	0.22	0.019	
BA	-0.11	-0.068	-0.11	-0.11	-0.21	-0.091	

Figure 43: Correlation matrix of ore elements, showing the main elements Cu%, Mo, As, Au, Ag and Pb.

Spectral feature and ore element associations in drill core

The data presented here is largely from the Donnelly resource area and as such the distal and background expression may not be represented. Furthermore the historic geochemistry is biased due to only, seemingly, chalcopyrite mineralised intervals being sampled. Additionally, the geochemistry appears to be composed of multiple analytical techniques with disparate acid digestions. Overprinting by late, low temperature illite and kaolinite within the resources area

further complicates evaluation of older, higher temperature sericite with respect to mineralization.

Sericite

Shortwave length sericite (acid) is weakly associated with elevated As and Pb and strongly correlates to S content (Figure 42). The high S values are probably caused by pyrite and perhaps correspond to quartz-sericite-pyrite type veins. No relationship between w2200 and Cu and Au mineralization in lithology A is evident (Figure 42). There is a weak positive relationship between long wavelength (neutral) sericite and Cu-Au and Mo in lithology B (Figure 43), suggesting paragenetic overlap with Cu or the unit was the focus Cu mineralisation; however there is large overlap in Cu % values per w2200 population. No relationship between sericite spectral features and mineralisation is evident in lithology C. Width of the Al-OH (2200nm) feature has a weak negative correlation with Mo concentrations in lithology A. Thus, elevated levels of Mo are associated with sericite characterized by narrow Al-OH widths (perhaps indicating sericite alteration and Mo mineralization was coeval?). This paragenetic inference could also explain the overall poor correlation between sericite composition and Cu-Au mineralization.

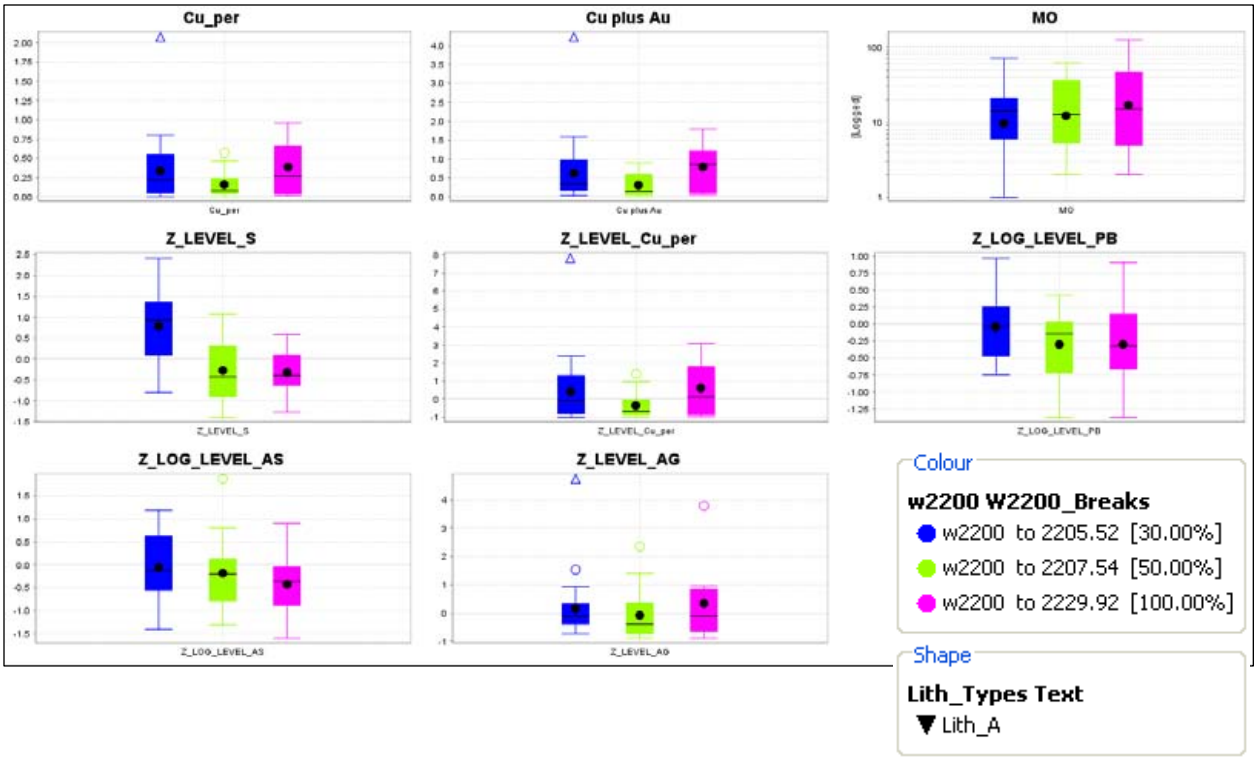


Figure 44: Box and whisker plots of sericite Al-OH (w2200) feature wavelength position in lithology A. No clear relationship between w2200 and Cu and Au mineralization.

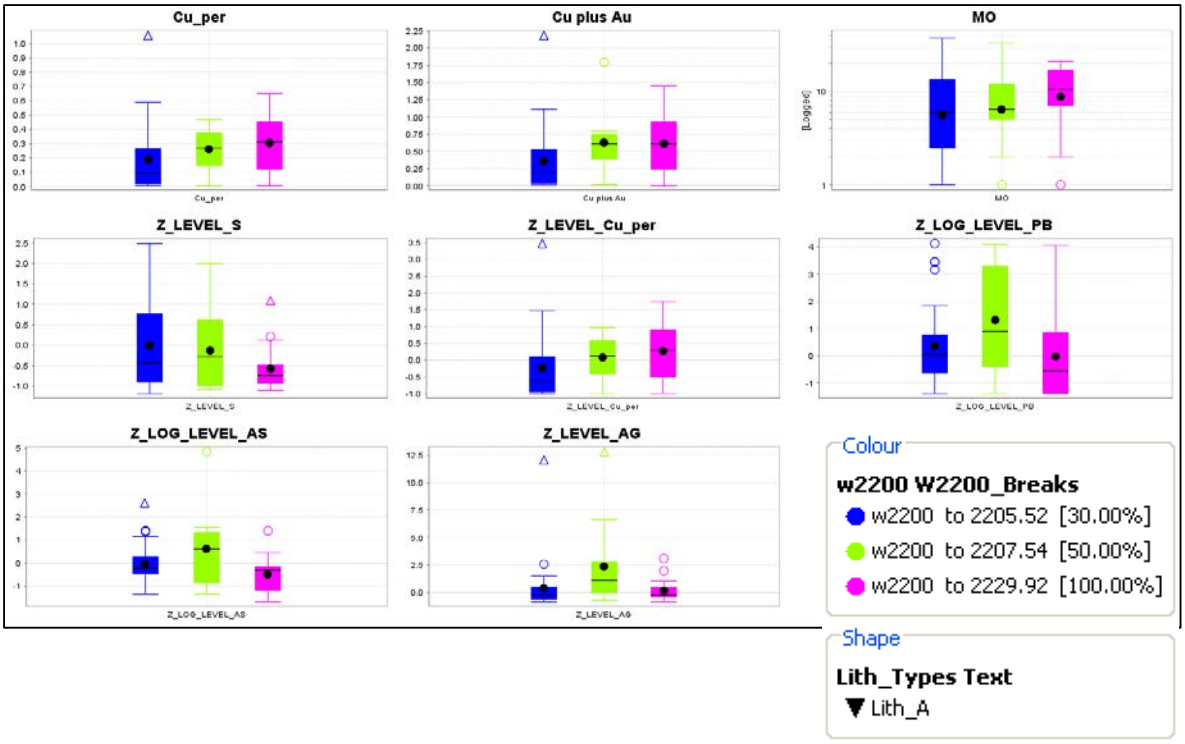


Figure 45: Box and whisker plots of sericite Al-OH (w2200) feature wavelength position in lithology B. There is a weak positive relationship between long wavelength (neutral) sericite and Cu-Au and Mo in lithology B, however there is large overlap in values.

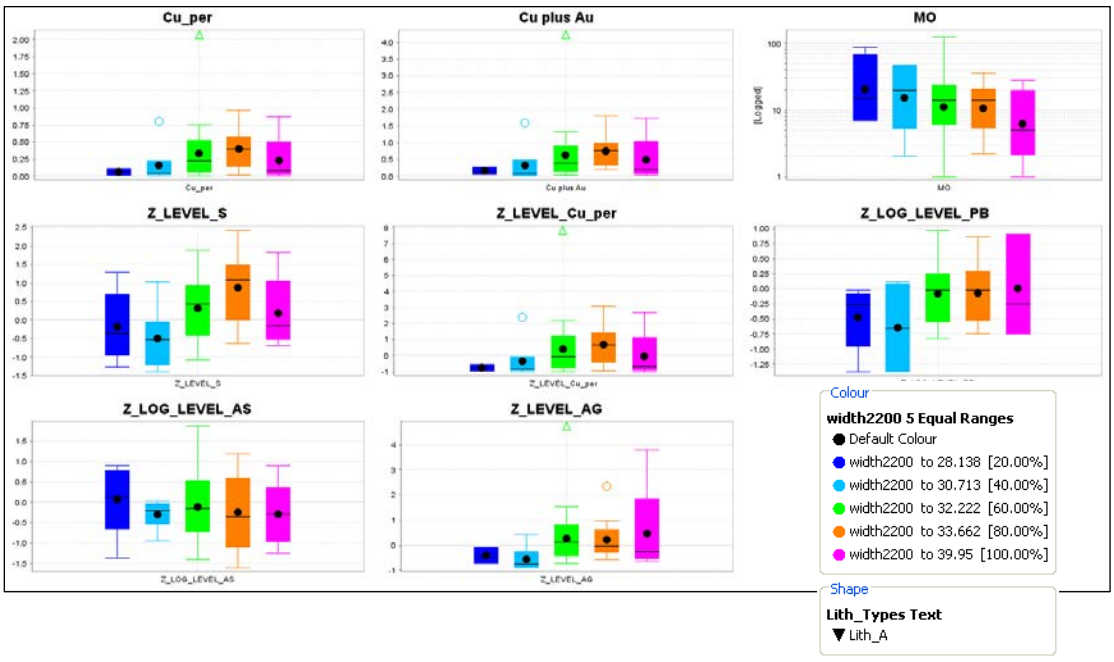


Figure 46: Box and whisker plots of sericite Al-OH feature width (width2200) in lithology A. Samples with a narrowest average Al-OH feature are associated with most elevated levels of Mo, but there is overlap in Mo between groups. Note, that the Mo scale is logged.

Chlorite

Lithology A lacks chlorite alteration. Lithology C and B appear to host most of the chlorite-bearing alteration. Plotting spectral features of chlorite-only and chlorite-epidote spectra for lithologies A and B (Figure 47) highlights a weak association of long wavelength (more Fe-rich) chlorites and Cu % greater than 0.28 %. Figure 45 shows there is a weak correlation between Cu concentration and chlorite composition, however this relationship is not statistically robust due to the considerable overlap of w2350 values between the Cu% bins. The black box in figure 47 corresponds to samples with no assay values (likely because there was little sulphide present and not of interest to the geologist at the time). Interestingly the no assay sub-population has the lowest average and mean w2350nm value and the largest mean hqd2350, corresponding to Mg-rich compositions and an inferred higher proportion of chlorite, respectively. Thus at GJ, the Fe-rich chlorite is inferred to be more proximal to Cu mineralization, consistent with district variations in chlorite composition with respect to the resource area (Figure 32). Limiting the data to chlorite and chlorite-epidote bearing samples belonging to lithologies B and C, the association of long wavelength Fe-rich chlorite with Cu mineralization is more pronounced (Figure 48).

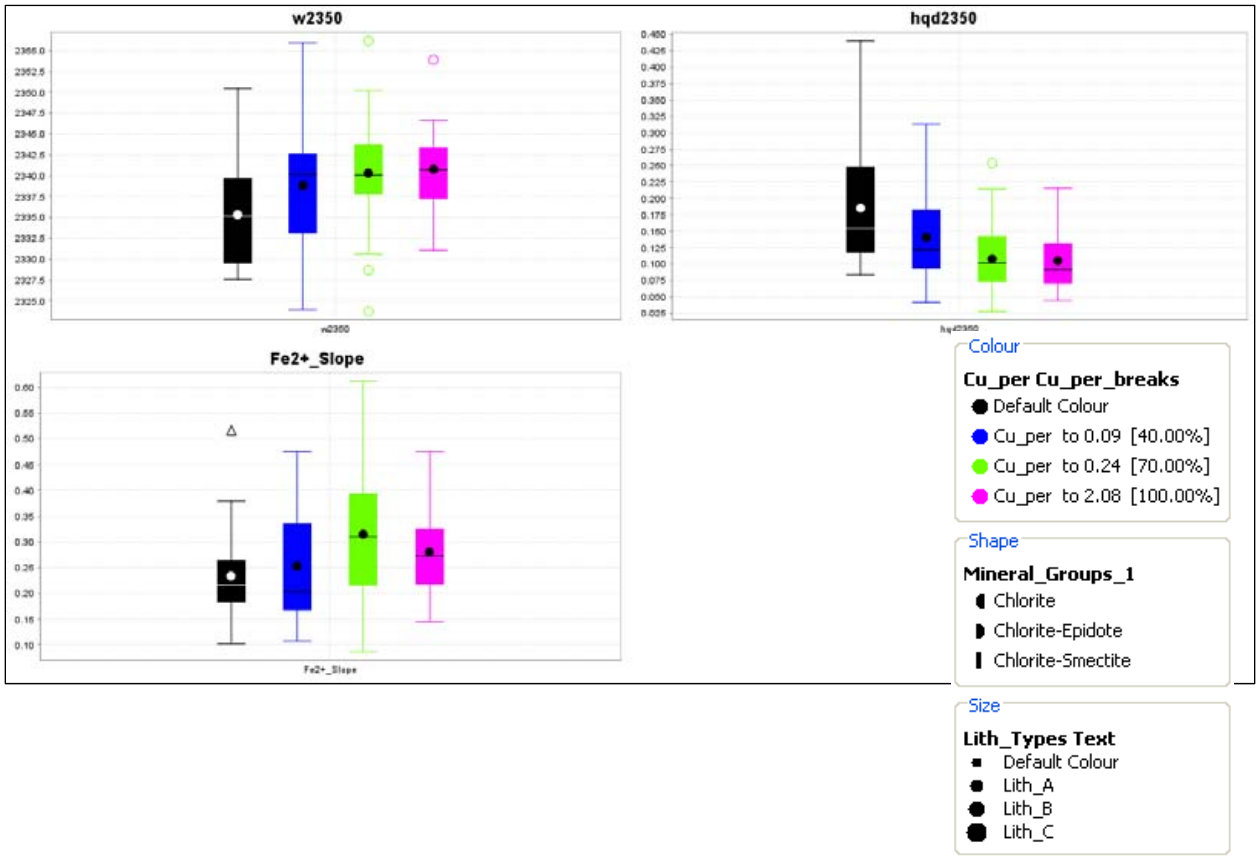


Figure 47: Chlorite and chlorite illite mix spectral feature box and whisker plots for lithology A, B and C and unclassified samples.

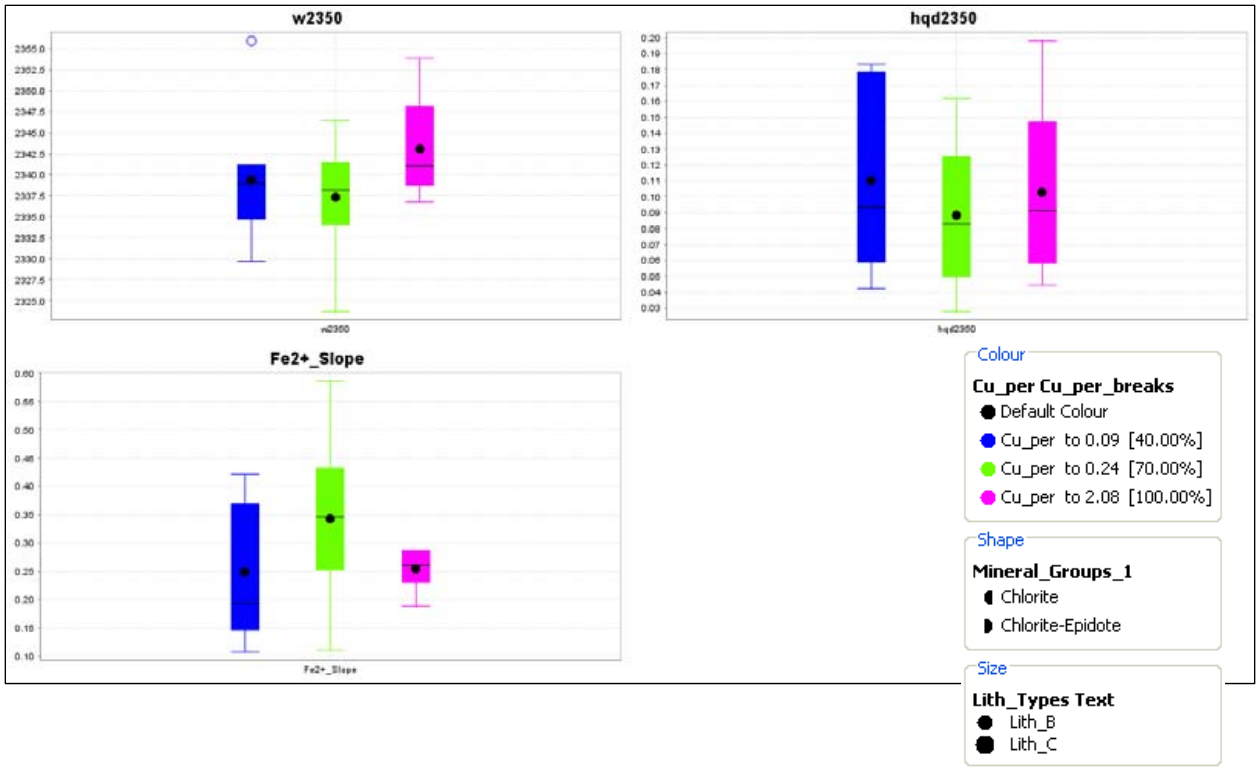


Figure 48: Chlorite spectral features box and whisker plots for lithology A and B. Long wavelength chlorite, interpreted to be Fe-rich, is associated with well mineralized samples. There is less than 10 data points for the 40 percentile Cu group, hence the spread in data.

Observations from Spectral Data

Looking at the Al-OH-bearing minerals from the 2010 spectral study there is no particular hydrothermal mineral or obvious alteration mineral assemblage associated with Cu mineralization at GJ.

Appendix IV presents the Min1stsas and Min2stsas spectral data picked from 2010. The Min1stsas/ Min2stas data are the minerals picked by The Spectral Geologist software as the best fit for the spectra, but these mineral picks are also spot checked visually. Fe-Mg chlorite is associated with many of the intervals of Cu mineralization.

Samples picked as sericite or illite by the Spectral Geologist software that also overlapped with the kaolinite field were excluded from the study as they were unlikely to provide reliable vectors to mineralization. These lower temperature alteration mineral assemblages likely post-date prograding mineralizing fluids and hence were excluded.

In general, lower hqd2350 values are found in or proximal to mineralized zones. This suggests that there is higher Fe and lower Mg values associated with Cu. Higher hqd 2350 values are often associated with epidote alteration on the shoulders of the mineralized zones.

Strong sericite domains or overprinting hydrothermal alteration appear to mask useful vectors to copper mineralization at the GJ Property. Therefore, instead vectoring towards mineralization using chlorite spectra may be of more use and is likely to be implemented during the 2011 field season.

Conclusions and Recommendations

The 2010 field program at the GJ Property was designed to develop exploration vectors toward known copper-gold porphyry mineralization and if possible identify further mineralized targets within the surrounding area. The work consisted of geophysical surveys (ground magnetic and IP), geological mapping around the Donnelly Zone, re-logging of historical drill core and spectral studies of historic drill core and hand samples.

Magnetic data match the known regional (ash et al., 2006) and detailed mapping produced as part of the 2010 field program. The large intrusive body, locally known as the Groat Stock was the predominant magnetic feature (Figure 7: Appendix IV). Monzodiorite; a common intrusive phase at GJ-Kinaskan also invokes a moderate magnetic response (Figure 7: Appendix IV). Sedimentary rocks, and somewhat surprisingly basalts lack a magnetic response (Figure 9: Appendix VI). Intense faulting of the resource area; as represented by the numerous offsetting faults mapped during 2010 corresponds well to the lateral changes observed in the magnetic data (Figure 9: Appendix VI).

Future magnetic surveys should expand along any cut lines for proposed IP surveys. This additional data will aid with structural mapping and inference of geology under cover. Magnetic susceptibility measurements should be taken of all drill core, down-hole surveys should be implemented and consistently measured for future drill holes. This would provide additional data and a larger database from which to draw from for future geological inversions.

Inversion models generated from the 2010 IP data indicate that there are a few chargeable targets at varying depths that generally occur on the margin of a large magnetic intrusive body (Figure 13: Appendix XI). These remain untested by drilling and present interesting follow-up targets for the 2011 field season. Physical property measurements should also be taken to further understand the relationship between magnetic susceptibility, resistivity, chargeability and mineralization within the GJ Property. These measurements will aid the targeting of copper- and gold-rich zones.

Spectral data from the 2010 field program proved useful in identifying the dominant alteration assemblages observed in the known mineralized area. The strong and pervasive sericite/muscovite alteration observed from spectral studies during 2010 present a challenge to developing successful exploration vectors as they mask other alteration assemblages. Despite these challenges, recommendation shave been made for subsequent field programs and include using chlorite spectra to vector towards copper mineralization.

Expanding the size of the spectral database with samples outside of the Donnelly resource area may aid in identifying alteration mineral trends associated with mineralization. The spectral study should include chip samples from traverse lines outside of the known mineralized system and historical and exploration drill holes that are inferred to be more distal to the mineralizing system. Data distal from the mineralizing system would enable a spectral gradient or vector to be used to target copper and gold mineralization. Proximity to copper mineralization is suggested by greater degrees of variation in the depth of the 2350nm (MgOH) absorption feature and SWIR mineral picks. Muscovite was commonly observed in spectra on the margins of mineralized zones, with Fe-Mg chlorite found at the core of Cu mineralized zones.

Chlorite may also be of some use in spectral vectoring. The ratio of the depths of the 2250 and 2350nm absorption features can be used as a proxy for chlorite Mg# to vector toward more Fe-rich chlorite that have in other studies shown an associated with higher Cu values, and proportion of smectite associated with chlorite spectra being lower with higher Cu values. The pervasive sericite overprint observed at the GJ Property may warrant the use of chlorite data for spectral vectoring, instead of the more commonly applied sericite spectrometry.

Re-logging of historical core produced cross sections and geological interpretations across the Donnelly zone. The key features of this interpretation are: sub-vertically dipping intrusive bodies of varying composition, including quartz-feldspar porphyry, porphyritic monzodiorite and K-spar monzodiorite. These are hosted within mixed sedimentary and volcanic rocks believed to be of the Stuhini Group affinity.

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Statement of Qualifications

I, Lucy Hollis, do certify that:

I graduated from the University of Birmingham, UK in 2006 with an M.Sci in Geology Degree, and gained an M.Sc in Geological Science Degree in 2009 from the University of British Columbia, Canada.

I have worked as a Geologist continuously since graduation.

The data contained in this report and conclusions drawn from it are true and accurate to the best of my knowledge.

I hold no direct or indirect interest in the GJ Kinaskan property, or any of the adjacent properties.

L Hollis

Lucy Hollis

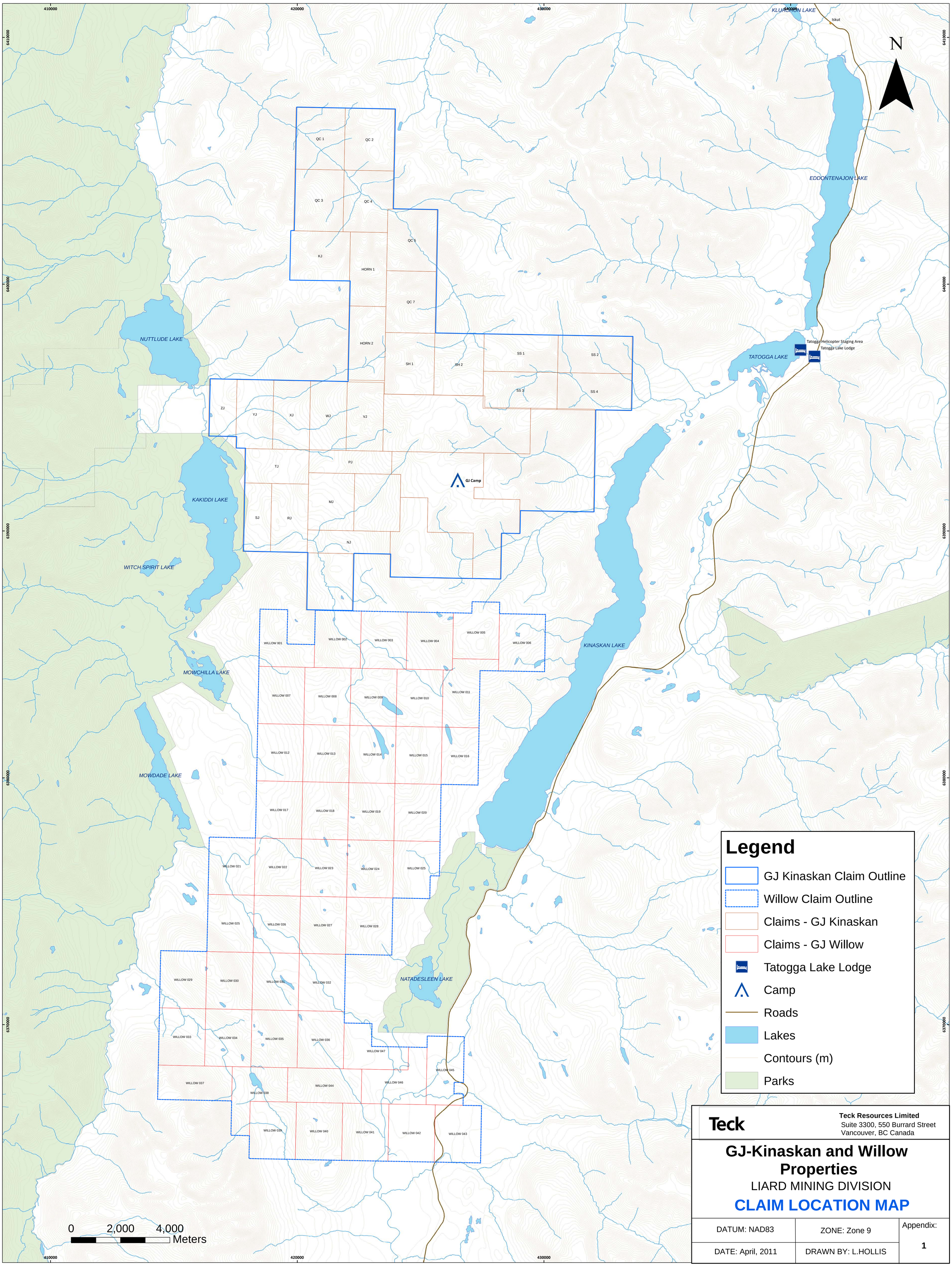
3/10/2011

Date

M.Sci, M.Sc
Vancouver, British Columbia

Appendix I:

1:50,000 Scale GJ Kinaskan Claim Map


410000
420000
430000
6410000
6400000
6390000
6380000
6370000
N
KLUACHON LAKE
Iskut
EDDONTENAJON LAKE
QC 1
QC 2
QC 3
QC 4
QC 5
QC 6
QC 7
KJ
HORN 1
HORN 2
NUTTLUDE LAKE
SH 1
SH 2
SS 1
SS 2
SS 3
SS 4
Tatogga Helicopter Staging Area
Tatogga Lake Lodge
TATOGGA LAKE
ZJ
YJ
XJ
WJ
VJ
TJ
PJ
GJ Camp
KAKIDDI LAKE
MJ
SJ
RJ
NJ
WITCH SPIRIT LAKE
KINASKAN LAKE
WILLOW 001
WILLOW 002
WILLOW 003
WILLOW 004
WILLOW 005
WILLOW 006
MOWCHILLA LAKE
WILLOW 007
WILLOW 008
WILLOW 009
WILLOW 010
WILLOW 011
WILLOW 012
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WILLOW 014
WILLOW 015
WILLOW 016
MOWDADE LAKE
WILLOW 017
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WILLOW 030
WILLOW 031
WILLOW 032
NATADESLEEN LAKE
WILLOW 033
WILLOW 034
WILLOW 035
WILLOW 036
WILLOW 047
WILLOW 045
WILLOW 037
WILLOW 038
WILLOW 044
WILLOW 046
WILLOW 039
WILLOW 040
WILLOW 041
WILLOW 042
WILLOW 043
0
2,000
4,000
Meters
Legend
GJ Kinaskan Claim Outline
Willow Claim Outline
Claims - GJ Kinaskan
Claims - GJ Willow
Tatogga Lake Lodge
Camp
Roads
Lakes
Contours (m)
Parks
Teck
Teck Resources Limited
Suite 3300, 550 Burrard Street
Vancouver, BC Canada
GJ-Kinaskan and Willow Properties
LIARD MINING DIVISION
CLAIM LOCATION MAP
DATUM: NAD83
ZONE: Zone 9
Appendix:
1
DATE: April, 2011
DRAWN BY: L.HOLLIS

Appendix II:

Regional Geology Map (Ash et al., 1997)

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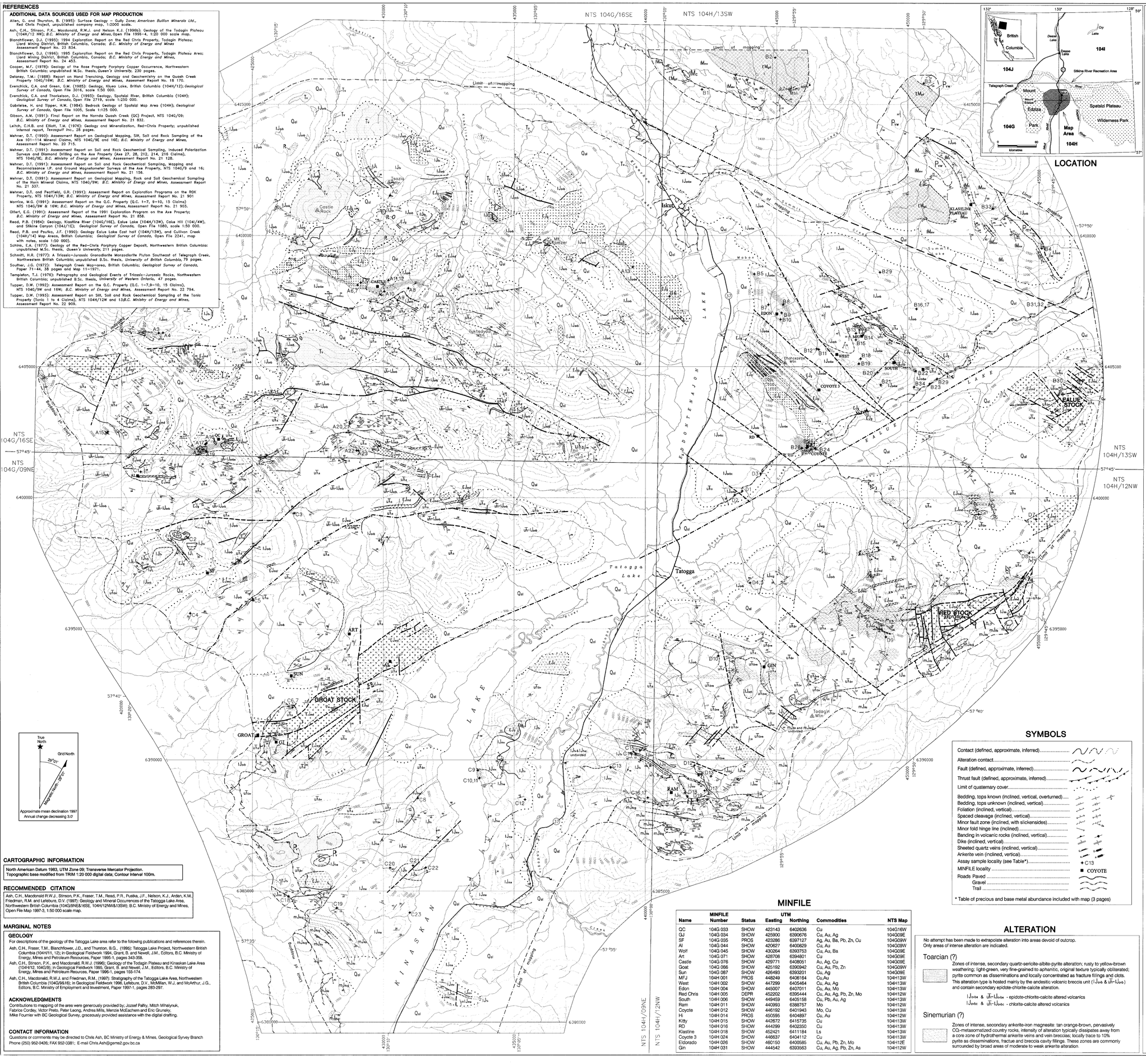
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LOCATION

CARTOGRAPHIC INFORMATION

North American Datum 1983, UTM Zone 09; Transverse Mercator Projection.
Topographic base modified from TRIM 1:20 000 digital data; Contour interval 100m.

RECOMMENDED CITATION

Ash, C.H., Macdonald R.W.J., Stinson, P.K., Fraser, T.M., Read, P.R., Pustka, J.F., Nelson, K.J., Arden, K.M., Friedman, R.M. and Lefebure, D.V. (1997): Geology and Mineral Occurrences of the Tatogga Lake Area, Northwestern British Columbia (104G/9NE&16SE, 104H/12NW&13SW); B.C. Ministry of Energy and Mines, Open File Map 1997-3, 1:50 000 scale map.

MARGINAL NOTES

GEOLOGY

For descriptions of the geology of the Tatogga Lake area refer to the folowing publications and references therein.

Ash, C.H., Fraser, T.M., Blanchflower, J.D., and Thurston, B.G., (1998): Tatogga Lake Project, Northwestern British Columbia (104H/11, 12); in Geological Fieldwork 1994, Grant, B. and Newell, J.M., Editors, B.C. Ministry of Energy, Mines and Petroleum Resources, Paper 1995-1, pages 343-358.

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ACKNOWLEDGMENTS

Contributions to mapping of the area were generously provided by; Jozsef Palfy, Mitch Mihalynuk, Fabrice Cordey, Victor Preto, Peter Leong, Andrea Mills, Menzie McEachern and Eric Grunsky. Mike Fournier with BC Geological Survey, graceously provided assistance with the digital drafting.

CONTACT INFORMATION

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Phone (250) 952-0426; FAX 952-0381; E-mail Chris.Ash@gems2.gov.bc.ca

MINFILE

Name	MINFILE Number	Status	UTM Easting	UTM Northing	Commodities	NTS Map
QC	104G 033	SHOW	423143	6402636	Cu	104G16W
GJ	104G 034	SHOW	425900	6390676	Cu, Au, Ag	104G09E
SF	104G 035	PROS	425086	6397127	Ag, Au, Ba, Pb, Zn, Cu	104G09W
Al	104G 044	SHOW	420627	6400829	Cu, Au	104G09W
Wolf	104G 045	SHOW	430264	6393753	Cu, Au, Ba	104G09E
Art	104G 071	SHOW	426708	6394801	Cu	104G09E
Castle	104G 076	SHOW	429771	6408051	Au, Ag, Cu	104G09E
Goat	104G 086	SHOW	425192	6390942	Cu, Au, Pb, Zn	104G09W
Sun	104G 087	SHOW	426493	6393201	Cu, Ag	104G09E
MFJ	104H 001	PROS	448249	6408164	Cu,Au	104H13W
West	104H 002	SHOW	447299	6405464	Cu, Au, Ag	104H13W
Edon	104H 004	SHOW	445007	6407011	Cu, Au, Mo	104H13W
Red Chris	104H 005	DEPR	452202	6395444	Cu, Au, Ag, Pb, Zn, Mo	104H12W
South	104H 006	SHOW	449459	6405158	Cu, Pb, Au, Ag	104H13W
Ram	104H 011	SHOW	440993	6388757	Mo	104H12W
Coyote	104H 012	SHOW	446192	6401943	Mo, Cu	104H13W
Hi	104H 014	PROS	450595	6404897	Cu, Au	104H12W
Kitty	104H 015	SHOW	442672	6415735	Cu	104H13W
RD	104H 016	SHOW	444299	6403350	Cu,Au	104H13W
Klastline	104H 018	SHOW	452421	6411184	Ls	104H13W
Coyote 3	104H 024	SHOW	446637	6404112	Cu	104H13W
Eldorado	104H 026	SHOW	460150	6400580	Cu, Au, Pb, Zn, Mo	104H12E
Gin	104H 031	SHOW	444542	6393563	Cu, Au, Ag, Pb, Zn, As	104H12W

SYMBOLS

- Contact (defined, approximate, inferred)
- Alteration contact
- Fault (defined, approximate, inferred)
- Thrust fault (defined, approximate, inferred)
- Limit of quaternary cover
- Bedding, tops known (inclined, vertical, overturned)
- Bedding, tops unknown (inclined, vertical)
- Foliation (inclined, vertical)
- Spaced cleavage (inclined, vertical)
- Minor fault zone (inclined, with slickensides)
- Minor fold hinge line (inclined)
- Banding in volcanic rocks (inclined, vertical)
- Dike (inclined, vertical)
- Sheeted quartz veins (inclined, vertical)
- Ankerite vein (inclined, vertical)
- Assay sample locality (see Table*) — +C13
- MINFILE locality — ■ COYOTE
- Roads Paved
  - Gravel
  - Trail

* Table of precious and base metal abundance included with map (3 pages)

ALTERATION

No attempt has been made to extrapolate alteration into areas devoid of outcrop.
Only areas of intense alteration are indicated.

Toarcian (?)

Zones of intense, secondary quartz-sericite-albite-pyrite alteration; rusty to yellow-brown weathering; light-green, very fine-grained to aphanitic, original texture typically obliterated; pyrite common as disseminations and locally concentrated as fracture fillings and clots. This alteration type is hosted mainly by the andesitic volcanic breccia unit (lJ_{avbe} & $u\tilde{T}_{vbe}$) and contain secondary epidote-chlorite-calcite alteration.

lJ_{avbe} & $u\tilde{T}_{vbe}$ - epidote-chlorite-calcite altered volcanics
lJ_{avbc} & $u\tilde{T}_{vbc}$ - chlorite-calcite altered volcanics

Sinemurian (?)

Zones of intense, secondary ankerite-iron magnesite: tan orange-brown, pervasively CO_2-metasomatized country rocks, intensity of alteration typically dissipates away from a core zone of hydrothermal ankerite veins and vein breccias; locally trace to 10% pyrite as disseminations, fracture and breccia cavity fillings. These zones are commonly surrounded by broad areas of moderate to weak ankerite alteration.

BRITISH COLUMBIA
Ministry of Energy and Mines
Energy and Minerals Division
Geological Survey Branch

Geological Survey Branch

OPEN FILE 1997-3

GEOLOGY AND MINERAL OCCURRENCES OF THE TATOGGA LAKE AREA

NTS 104G/9NE, 16SE & 104H/12NW, 13SW

Geology by C.H. Ash, R.W.J. Macdonald, P.K. Stinson, T.M. Fraser, P.R. Read, J.F. Pustka, K.J. Nelson, K.M. Arden, R.M. Friedman and D.V. Lefebure

Scale 1:50 000

0 1 2 3 4 5
KILOMETRES

(Note: This digital file was last updated on June 19th, 1998)

QUATERNARY

Q_{al} — Unconsolidated glacial till and poorly sorted alluvium.

PLIOCENE TO RECENT

T_v — Olivine basalt: black, flow and pillow breccias, pyroclastic rocks and loose tephra; in part, younger than Qal.

PLIOCENE

NIDO VOLCANICS

P_v — Olivine phyric basalt: black, columnar jointed flows (5.7 to 4.9 Ma, K-Ar).

MIDDLE JURASSIC

BOWSER LAKE GROUP

Bajocian to Oxfordian

Ashman Formation

mJ_{Acg} — Chert-pebble conglomerate: green, black, white and red, subrounded chert clasts in a tan brown sandstone matrix, interbedded on a scale of several tens of centimetres to several metres, with thinner sandstone interbeds.

mJ_{As} — Siltstone-sandstone: dark-grey to black, laminated to thinly bedded (1-2cm), intercalated siltstone to silty mudstone and lesser limy mudstone with widely spaced interbeds (8-15 cm thick) of light-brown, fine to medium-grained sandstone.

LOWER JURASSIC

HAZELTON GROUP

Pliensbachian to Toarcian

lJ_{me} — Mafic heteroilithic conglomerate: black, mafic dominated, thickly bedded (0.5 to 1m), components of all Mesozoic volcanic rocks are present. Calcite fragments comprise from 5 to 15%.

lJ_{ss} — Siliceous siltstone: black to light grey, laminated to very thinly bedded (0.5 to 3cm); locally interbedded with pale green to buff-white, fine to medium-grained felsic tuff.

lJ_{fve} — Felsic volcaniclastics and epiclastics : breccia, sharpstone conglomerate; tan to light-grey medium to coarse-grained feldspathic wacke with pebble sized angular clasts of buff white aphanitic rhyolite and lesser subangular, black siltstone fragments.

lJ_{fv} — Felsic volcanics and volcaniclastics: monolithic, pink, buff-white and bright-green, aphyric to locally quartz-feldspar phyric, locally flow banded; includes volcanic breccias, welded lapilli, ash and dust tuffs; rare chalcedonic quartz veins; locally gossanous; ca. 183 Ma, U-Pb zircon age.

lJ_{mv} — Mafic to intermediate volcanics: grey-green; plagioclase microphyric flow and pillow breccias most common, also massive and columnar jointed flows; locally well pillowed; intervals of medium-grained feldspathic wacke and siltstone.

lJ_{vcg} — Volcanic breccia and conglomerate: maroon, massive monomictic basaltic volcanic breccia and intercalated polymictic, volcaniclastic sediments with both andesitic and basaltic clasts.

lJ_{L} — Limestone: light to dull grey, massive to locally bedded, medium to coarse-grained, calcareous sandstone; Weyla locally abundant.

Sinemurian

lJ_{avb} — Andesitic volcanic breccias and conglomerates: grey-green and maroon, feldspar hornblende-porphyritic andesitic to dacitic debris flows and lahars; minor flows; contains intervals of green and maroon epiclastic conglomerate and medium to coarse-grained crystal lithic wacke with angular, red mudstone fragments.
Unit labled lJ_{avbe} where epidote-chlorite-calcite altered. Designated as lJ_{avbc} where chlorite-calcite altered.

lJ_{vcg} — Volcanic breccia and conglomerate: maroon, massive monomictic basaltic volcanic breccia and intercalated polymictic, volcaniclastic sediments with both andesitic and basaltic clasts.
Volcanic conglomerate: red-brown, typically well bedded (<0.2 to 2 m), clast to matrix supported, subrounded pebble to cobble clasts of plagioclase hornblende phyric andesite in a poorly sorted crystal lithic matrix, lesser intrusive dioritic clasts; interbeds of medium to coarse-grained crystal lithic wacke common.

LOWER JURASSIC-UPPER TRIASSIC ?

$u\tilde{T}$-lJ_{avb} — Unit is similar to lJ_{avb}, but contains limestone clasts in volcanic breccias with upper Triassic limestone. Clasts with fossils of this age dominate along a zone of intensd interfingering between the volcanic breccia unit underlying sediments. Limestone may be cilstromal.
Unit labled $u\tilde{T}$-lJ_{avbe} where epidote-chlorite-calcite altered. Designated as $u\tilde{T}$-lJ_{avbc} where chlorite-calcite altered.

UPPER TRIASSIC

STUHINI GROUP

$u\tilde{T}_{bve}$ — Mafic volcaniclastics and epiclastics derived from $u\tilde{T}_{bv}$. Maroon and dark green, poorly sorted massive to thickly bedded volcanic conglomerate; locally, well bedded

$u\tilde{T}_{bv}$ — Basalt: dark olive-green to black; clinopyroxene-phyric flow and pillow breccias; euhedral clinopyroxene phenocrysts (3 to 15%, 2 to 8 mm); occasionally calcite amygdaloidal (trace to 10%, 2 to 5 mm); locally intensely carbonate-altered. Unit may in part be lJ_{vcg}.

$u\tilde{T}_{s}$ — Volcanic sandstone, siltstone, mudstone and lesser siliceous mudstone and chert: Volcanic sandstone is dominant, tan-brown to grey, typically medium-grained, massive to thickly bedded with intervals of bedded siltstone and mudstone. Locally dominated by thin bedded intervals of mudstone-siltstone.

$u\tilde{T}_{L}$ — Limestone: light to dull grey, massive to locally bedded, medium to coarse-grained, locally brecciated; contains Upper Triassic conodonts.

STIKINE ASSEMBLAGE

PALEOZOIC (?)

P_{mv} — Mafic volcanic: green to grey-green, fine to medium-grained, massive, typically equigranular; mafic tuff.

P_{vw} — Volcanic greywacke: green-grey, fine to medium-grained, massive; contains intervals of interbedded volcanic sandstone, mudstone, siliceous siltstone. May be in part equivalent to $u\tilde{T}_{s}$.

LOWER MISSISSIPPIAN

lM_{mv} — Metavolcanic and metasedimentary rocks: includes green chloritic phyllite, brown phyllitic argillite, light grey-green to tan quartz-sericite schists (felsic metavolcanics, ca. 342 Ma, U-Pb zircon age).

lM_{ls} — Limestone, dolostone: grey, light grey to buff white, massive to strongly foliated and recrystallized.

INTRUSIVE ROCKS

EARLY JURASSIC

Toarcian (?)

E_{Lgp} — Alkali granite/felsite: leucocratic, pink, tan to buff white; ranges from medium-grained, equigranular to quartz-feldspar porphyritic to aphyric aphanitic varieties (ca 182-186 Ma, U-Pb ages).

E_{Jd} — Pyroxene diorite: dull-grey to buff-white, massive, medium-grained to locally coarse-grained, equigranular; does not appear to be affected by carbonate alteration.

Sinemurian

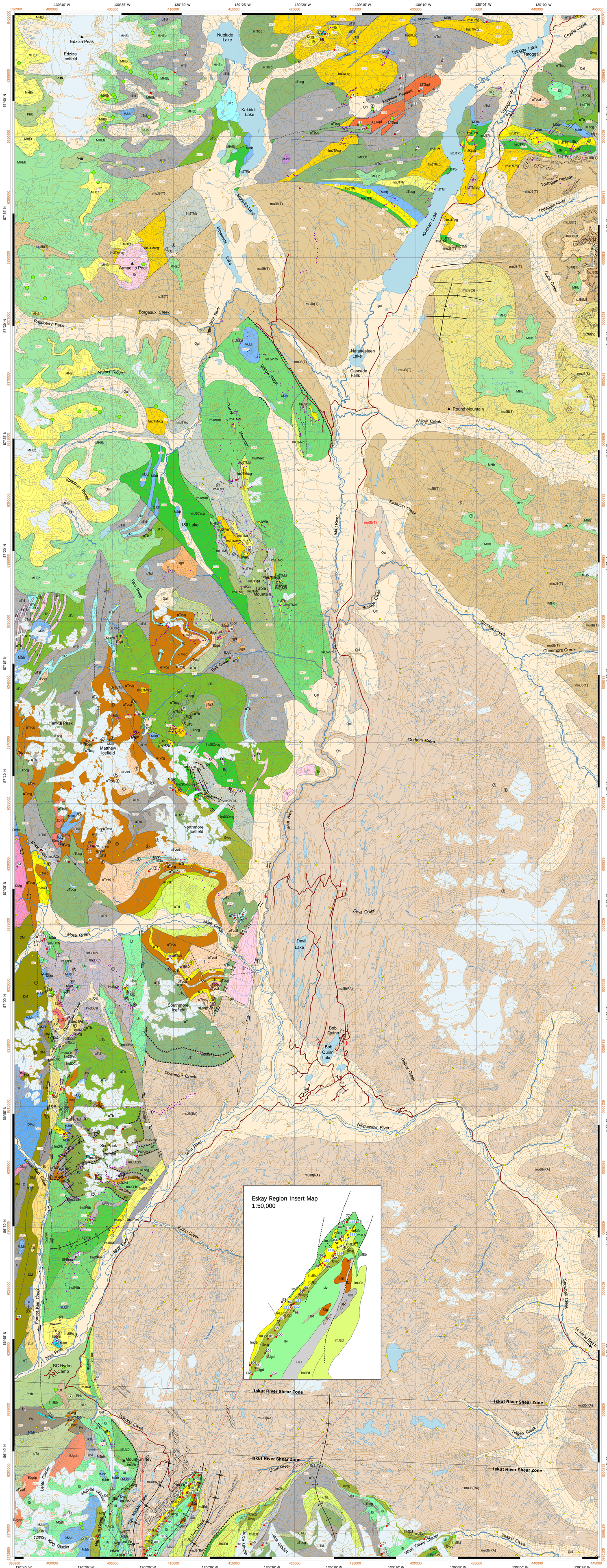
E_{Jmd} — Hornblende quartz-diorite, monzodiorite and monzonite: leucocratic light-grey to buff-white, medium grained, equigranular to plagioclase hornblende porphyritic; quartz from trace to several percent (ca 198-205 Ma, U-Pb age), Red stock is pervasively carbonate and sericite-altered with disseminated pyrite from trace to 20%.

EARLY MISSISSIPPIAN

E_{Mgd} — Granodiorite, dioritic: light-grey to buff-white, medium to coarse grained, equigranular to locally foliated proximal to intrusive contacts. Mafics replaced by secondary chlorite. (ca 342 - 353 Ma, U-Pb ages).

Appendix III:

Regional Geology Map (Alldrick et al., 2006). Geology of the Upper Iskyt River Area, British Columbia. British Columbia Geological Survey. Open File 2006-2. Scale 1:100,000



True North

Grid North 1°06' 22°35' Magnetic North

Approximate mean declination for centre of map in 2005 decreasing 0 18' annually
UTM zone 9, NAD 83

British Columbia

This Mapsheet

104 94 103 93 92 82

BRITISH COLUMBIA
Ministry of Energy, Mines and Petroleum Resources
Mining and Minerals Division
BC Geological Survey

BRITISH COLUMBIA GEOLOGICAL SURVEY

Geology of the Upper Iskut River Area, British Columbia

British Columbia Geological Survey

Open File 2006-2

NTS 104G/1,2,7,8,9,10; 104B/9,10,15,16; 104H/4,5,12; 104A/12,13

by D.J. Alldrick, J.L.Nelson, T. Baressi, M.L. Stewart, and K. Simpson
Compilation and Cartography by T.J. Hewett

0 1 2 3 4 5 10 Kilometres

Fieldwork carried out 2003 through 2005. Map published January, 2006

Scale 1:100,000

INTRUSIVE ROCKS

CENOZOIC

Eocene

Hyder Plutonic Suite

- Er — White, quartz-phyric to aphyric rhyolite dikes and sills

MESOZOIC

Middle Jurassic

Three Sisters Plutonic Suite

- MJdr — Diorite
- MJgb — Gabbro; (age uncertain) correlated with Nickel Mountain intrusions
- MJpx — Pyroxenite

Early Jurassic

Texas Creek Plutonic Suite

- EJf — Felsic dikes and stocks
- EJgr — Granite; Hank stock (182 Ma)
- EJgdp — Grano diorite: fine-grained, hornblende porphyritic, K-feldspar megacrystic
- EJgd — Granodiorite; medium to coarse grained; hornblende porphyritic; K-feldspar megacrystic
- EJmz — Plagioclase (+/- K-feldspar) porphyritic hypabyssal monzonite (193Ma)
- EJt — Tonalite, lesser granodiorite, gabbro. Fine grained, heterogeneous intrusion of variable composition and texture

Late Triassic

Copper Mountain Plutonic Suite

- LTGqd — Groat stock (205 Ma, Friedman and Ash, 1997): granodiorite, quartz monzonite, granite and quartz diorite
- LTSy — Syenite porphyry, large zoned orthoclase phenocrysts, grey and pink

PALEOZOIC

Devono-Mississippian

- DMg — Granite
- DMdr — Diorite

STRATIFIED ROCKS

CENOZOIC

Quaternary (Pleistocene to Recent)

- Qt — Talus; landslide debris fan (Holocene)
- Qal — Alluvium (Pleistocene)

Miocene to Holocene

Stikine Volcanic Belt

- PHb — Basalt flows; massive, local pillows, cinder layers

Upper Miocene to Pliocene

Mount Edziza Volcanic Complex

- MHEr — Rhyolite and dacite flows, lava domes, pyroclastic rocks and related sub-volcanic intrusions; minor basalt flows
- MHEb — Bimodal alkali olivine basalt and hawaiite, perkaline trachyte and comendite; subareal and subglacial lava flows and domes, flow breccia, pyroclastic tephra deposits and associated subvolcanic intrusions

Miocene to Pliocene

Maitland Volcanics

- MHb — Olivine basalt and minor trachyte necks and flows; columnar jointed, with rare pillows and breccia; (5.2 to 4.6 Ma)

MESOZOIC

Middle to Upper Jurassic

Bowser Lake Group

- muJB(S) — SKELHORNE ASSEMBLAGE (deltaic assemblage): intermixed and vari-coloured siltstone, sandstone, and conglomerate primarily conglomerate
- muJB(E) — EAGLENEST ASSEMBLAGE (deltaic assemblage): conglomerate, sandstone, siltstone, mudstone, and rare coal primarily conglomerate
- muJB(M) — MUSKADOO CREEK ASSEMBLAGE (shelf assemblage): sandstone, siltstone, conglomerate primarily conglomerate
- muJB(T) — TODAGIN LITHOFACIES ASSEMBLAGE: Siltstone, fine grained sandstone, lenses of chert pebble conglomerate; mainly laminated siltstone/fine grained sandstone primarily conglomerate
- muJB(RA) — RITCHIE-ALGER LITHOFACIES ASSEMBLAGE: Sandstone, siltstone, rare conglomerate; abundant turbidite features primarily conglomerate

Lower to Middle Jurassic (Toarcian to Bajocian)

Upper Hazelton Group

Upper Eskay Rift Sequences

Sixpack Range Facies

- ImJSPbx — Dacite breccia
- ImJSPb — Basalt. Massive, aphantic to fine-grained, equigranular to locally glomeroporphyritic. Multiple massive subaerial flows, up to 10 meters thick, exposed over a 200 meter cliff face
- ImJSPd — Dacite. Massive flow and fragmental units.
- ImJSPsd — Sandstone. Well bedded with graded beds; incorporates minor pebble conglomerate

Iskut River Facies

- ImJIRr — Rhyolite breccia. Sharply angular aphantic rhyolite clasts in sandy (hyaloclastite?) groundmass. White, grey, black colour-mottling
- ImJIRd — Dacite breccia; coarsely clastic to finely comminuted with rare exotic limestone clasts and olistoliths. Minor siltstone interbeds
- ImJIRm — Carbonaceous mudstone; black, lustrous, phyllitic

Downpour Creek Facies

- ImJDCb — Basalt, pillow basalt
- ImJDCr — Rhyolite; white, aphantic; black matrix breccia
- ImJDCsl — Dark to grey to black mudstone and siltstone with thiin beds of silty limestone, sandstone, and rare pebble conglomerate

Arctic Grid Facies

- ImJAGr — Rhyolite; white, massive, aphantic to fragmental
- ImJAGsl — Siltstone and mudstone, dark grey to black, thin bedded, fossiliferous

Lower Eskay Rift Sequences

Eskay Mine Facies

- ImJEb — Basalt; pillow basalt, pillow breccia, massive basalt flows, hyaloclastite. Basaltic sills and dikes, peperite. Minor intercalated mudstone
- ImJEr — Rhyolite; flow-banded, flow lobes, breccias, hyaloclastite, perlite, spherulites. Multiple flow-dome complexes. (Eskay Rhyolite; Footwall Rhyolite)
- ImJEd — Dacite; fragmental tuff and amygdaloidal flow (Mount Dilworth Formation; Footwall Volcanic Unit; Datum Dacite)

Forgold Facies

- ImJFb — Basalt. Massive basalt flows, pillow basalt and pillow breccia. Rare flow-banded basalt flows and columnar-jointed basalt
- ImJFr — Rhyolite (Four Corners Complex). Massive rhyolite flows with interbedded siliceous, pyritic mudstone

Pillow Basalt Ridge Facies

- ImJPRb — Pillow basalt unit. Pillowed and massive flows. Minor mudstone and rare rhyolite lenses and dikes. Includes siliceous mudstone (ImJPRm)
- ImJPRr — Rhyolite. Massive to flow-banded; and brecciated flows (peperite)
- ImJPRm — Siliceous mudstone with tuffaceous siltstone laminations

Willow Ridge Complex

- ImJWRb — Basalt, pillow basalt, hyaloclastite, basalt dikes; lesser rhyolite, minor dacite and siltstone
- ImJWRr — Aphyric white rhyolite flows, dikes; rhyolite vitric ash flow tuffs, minor crystal component
- ImJWRd — Dacite pyroclastic flows; polymictic volcanic debris flows. Poorly sorted, ash to block size fragments, clasts include brecciated pumice and scoria, perlitic rhyolite and dacite clasts
- ImJWRsl — Siltstone
- ImJWRsd — Sandstone, granule to pebble conglomerate, siltstone; pyritic

Table Mountain Complex

- ImJTMub — Basalt, pillow basalt, hyaloclastite, basalt dikes; lesser rhyolite, dacite dikes and siltstone
- ImJTMr — Aphyritic white rhyolite flows, dikes; monomictic and mixed rhyolite-sedimentary breccias; rhyolite vitric ash flow tuffs and minor crystal component
- ImJTMd — Spherulitic dacite lava flows, domes, dikes; dacite ash-lapilli tuff
- ImJTMs — Dark grey siltstone, argillilite, shale; thin bedded arkosic sandstone and grit
- ImJTMrcg — Coarse conglomerate: dominated by rhyolite clasts; interbedded pebbly lithic sandstone
- ImJKLb — Basalt, pillow basalt, hyaloclastite, basalt dikes; lesser rhyolite and dacite dikes

Toarcian to Bajocian

Upper Hazelton Group

Spatsizi Formation

Todagin Plateau

- ImJTPcg — Conglomerate; heterolithic rhyolite, andesite, and sedimentary clasts; minor petrified wood, and moderately sorted volcanic sandstone matrix, massive to poorly bedded fragments
- ImJTPb — Basalt, pillow basalt, hyaloclastite, basalt breccia, heterolithic, basalt-dominated breccia
- ImJTPr — Rhyolite, white to bright blue-green, aphantic, massive rhyolite (183 Ma)
- ImJTPd — Dacite (not on map)
- ImJTPsl — Siltstone (not on map)
- ImJTPsd — Sandstone (not on map)
- ImJTPa — Andesite

Upper Hazelton Group

Salmon River Formation

Snoball Creek

- ImJSCsl — Thin-bedded grey to black siltstone, calcareous siltstone, sandstone, sedimentary breccia. Pliensbachian ammonoids and Bajocian radiolaria
- ImJSCr — Rhyolite, massive to brecciated flows; aphantic, white to pale blue-green, peperitic tops, interbedded black siliceous mudstone, commonly pyritic
- ImJSCvcg — Andesite and dacite volcanic breccia to conglomerate, plagioclase-phyric clasts, maroon to green interbedded black siliceous mudstone, commonly pyritic

Lower Jurassic (Sinemurian to Toarcian)

Lower Hazelton Group

- lJvcg — Maroon-weathering volcanic conglomerate and breccia; epiclastic; polymictic. Lesser andesite to dacite flows. Rare basalt flows (lJb). Rare dikes and pods of plagioclase porphyritic andesite. Rare limestone
- lJi — Andesite to dacite flows, massive; lesser maroon-weathering volcanic conglomerate and breccia
- lJr — Rhyolite on Logan Ridge. Resistant rhyolite flows; massive to brecciated, flow-banded and spheroidal
- lJrcg — Conglomerate with dominant rhyolite clasts
- lJsl — Siltstone, thin-bedded grey to black, calcareous siltstone, sandstone, sedimentary breccia
- lJd — Dacite; felsic flows and pyroclastic rocks; flow-banded to fragmental textures; local welded ash flows (Mount Dilworth Formation)
- lJb — Basalt; pillow basalt, fire-fountain deposits; mafic tuffs
- lJc — Limestone
- lJsd — Sandstone; lesser wacke, siltstone, mudstone, conglomerate

Lower Jurassic (Hettangian to Sinemurian)

Lower Hazelton Group

- lJsJ — Basal sedimentary unit. Undifferentiated clastic sedimentary rocks; includes sandstone, siltstone, mudstone, granule to pebble conglomerate; local clast-supported granitoid pebble to boulder conglomerate
- lJcgJ — Basal conglomerate marking unconformity. Grantoid cobbles to boulders

Upper Triassic (Carnian to Rhaetian)

Stuhini Group

- uT — Undivided.
- uTb — Basalt; plagioclase and pyroxene-porphory flows, volcaniclastic rocks and related intrusions
- uTsl — Siltstone; greywacke, shale, mudstone; minor limestone, conglomerate, arenite tuff, ribbon chert
- uTd — Dacite. Massive, aphyric flows and felsic fragmental units; lapilli, ash and crystal tuff
- uTa — Andesite; plagioclase-phyric flows, massive to brecciated, maroon to green; massive to bedded volcanic conglomerate
- uTvcg — Epiclastic conglomerate; with interbeddded sandstones and mudstones. Green to maroon pyroxene-plagioclase phyric volcanic breccias. Mixed intermediate to mafic volcanic and sedimentary rocks. Rare limestone conglomerate in olistostromal environment
- uTvsd — Sandstone. Volcanic sandstone and lesser siltstone and mudstone. Feldspathic arenite, thick-bedded, pale green but buff-weathering, carbonate cement. Rare interbedded intermediate to mafic volcanic flows; rare conglomerate
- uTc — Limestone. White, massive to bedded, fossiliferous limestone: grey to black argillaceous limestone; reefoid limestone; fossiliferous calcareous siltstone and shale. Commonly as olistostromes
- uTbcg — Basalt breccia and conglomerate. Includes pyroxene-phyric and pillowed flows, flow breccia, re-worked breccia and conglomeratic, and dikes; Lapilli to block tuffs and epiclastic rocks; aphyric to porphyritic
- uTr — Rhyolite flows, and/or dikes; white to blue-green quartz-plagioclase phyric. Rhyolite tuff; bright apple-green; massive to bedded. Black vitreous flows and dikes; massive to flow-banded; locally pyritic
- uTvsl — Volcanic siltstone; medium green. Well-bedded dacitic to andesitic siltstone
- uTm — Shale; black, thin-bedded, carbonaceous and pyritic, silty shale, mudstone, grey sandstone, and siliceous siltstone. Minor silty limestone and chert

PALEOZOIC

Permian

Stikine Assemblage

- P — Undivided.
- Pc — Limestone slabs within volcaniclastic rocks; limestone olistolith within Iskut River Facies dacite breccia
- PsI — Phyllite, siliceous siltstone, minor chert and wacke
- Pv — Volcanic rocks. Basalt, andesite, rhyolite; variable chloritised, strongly foliated

Carboniferous

Stikine Assemblage

- C — Grey to light green phyllitic siltstone, graphitic argillite, siliceous phyllite/tuff and thin lenses of dark brown limestone. Felsd dolomitic limestone, and minor interbeds of maroon and green tuff and cherty siltstone

Devono-Mississippian

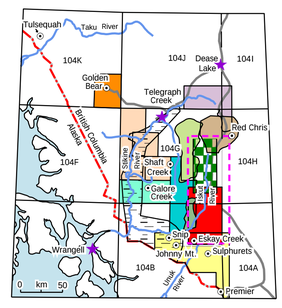
Stikine Assemblage

- DM — Undivided. Basalt and andesite; hyaloclastite, pillowed and flow breccia rocks. Minor foliated clastic sedimentary rocks, including siltstone, sandstone, chert, tuff, and recrystalized limestone. Massive to grey bioclastic limestone with silty dolomitic layers

SYMBOLS

- Geological contact (defined, approximate, assumed)
- Thrust fault (defined, assumed)
- Normal Fault (defined, assumed)
- Strike-slip fault, sinistral (defined, assumed)
- Bedding; tops unknown (inclined, vertical)
- Bedding; tops known (inclined, overturned)
- Foliation (inclined, vertical)
- Foliation - 2nd generation (inclined, vertical)
- Shear band (inclined, vertical)
- Dike (inclined, vertical)
- Brittle shear/fault plane
- Lineation - unspecified
- Igneous flow banding
- Cleavage, axial
- Airstrip
- Townsite
- Minesite
- Hotspring
- Field Station
- Mineral Occurence
- RGS sample site
- Craters
- Geochron dates
- Macro fossils
- Micro fossils
- Contours at 100m intervals
- Rivers and Streams
- Roads
- Lakes
- Glaciers and Icefields
- 50 year floodplain

PUBLISHED MAPS



- Mine or Developed prospect
- This Mapping Project
- Alldrick et al. 2005
- Alldrick et al. (2004)
- Evenchick and Thorkelson (2004)
- Ash et al. (1997)
- Logan et al. (1997)
- Logan and Koyanagi (1994, 1989)
- Bradford and Brown (1993)
- Stikine Project - Geoscience Maps 1993-3 to 1993-6
- Souther (1992)
- Alldrick et al. (1987, 1988, 1989, 1990, 1991, 1992)
- Read et al. (1989)
- Read (1983, 1984)
- 104J Gabrielese (1980)
- 104G Souther (1972)
- 104K Souther (1971)
- 104F Souther (1959)
- Kerr (1948)

MINERAL OCCURRENCES

MAP #	NAME	MINFILE #	STATUS	COMMODITIES
1	Curt	104G 169	Showing	Ag
2	Horn North	104G 176	Showing	Zn,Pb, Ag, Cu
3	Horn East	104G 177	Showing	Au
4	Horn (SF)	104G 035	Prospect	Ag Au Ba Pb Zn Cu
5	Hawk	104G 005	Deposit	Au Ag Pb Zn Cu
6	Seestor	104G 170	Showing	Au Ag
7	Spectrum (Fog)	104G 036	Deposit	Au Ag Cu Pb Zn
8	Art	104G 071	Showing	Cu
9	Spectrum (Skam)	104G 036	Deposit	Au Ag Cu Pb Zn
10	Blowdown	104G 171	Showing	Au Cu
11	Wolf West	104G 172	Showing	Au Cu Zn
12	Wolf	104G 045	Prospect	Cu Au
13	GR	104G 122	Showing	Au Ag Pb Zn Cu
14	YT		Showing	Cu Ag
17	GJ North	104G 034	Showing	Cu Au Ag Pb Zn
15	Sun	104G 087	Showing	Cu Ag
16	Trevor Peak	104G 173	Showing	Au Cu
18	Donnelly (Groat)	104G 086	Prospect	Cu Au Pb Zn
19	GJ	104G 034	Prospect	Cu Au Ag Pb Zn
20	Beauchamps	104G 174	Showing	Au Ag Cu Pb Zn
21	Bond	104G 175	Showing	Cu Au
22	Ram	104H 011	Showing	Mo
23	Zinc Moss		Showing	Ag Cu Zn
24	Dome		Showing	Pyrite
25	Compass		Showing	Zn Cu Ag
26	Griz		Showing	Zn Cu Ag
27	Rainbow		Showing	Au Ag Zn Pb Cu Au
28	Mary	104G 018	Showing	Mo Cu
29	ME	104G 042	Showing	Cu Mo Pb Zn Au Ag
30	Ball Creek	104G 072	Showing	Au
31	Hank	104G 107	Deposit	Au Ag Pb Zn Cu
32	Whistle Pig		Showing	Ag Au
33	MAL	104G 147	Showing	Cu Zn Au Ag
34	Ice		Showing	Cu Au Ag
35	Snoball	104G 143	Showing	Au Ag Cu Pb Zn As
36	Little Les	104G 079	Prospect	Cu Ag Au
37	Biskut	104G 146	Showing	Au Ag Cu Pb Zn
38	Bis		Prospect	Cu As Mo Ag Au
39	Arctic 8		Showing	no data
40	Downstream		Showing	As Sb Hg
41	Arctic Grid (Ochre Swamp)		Prospect	no data
42	Bench	104B 010	Showing	Ag Hg Zn Cu Mo Pb Au As Sb
43	East		Showing	As Au
44	KC		Showing	Cu Au Ag
45	Lucifer	104G 145	Prospect	Cu Au As Ba Cd Mo Pb Zn
47	Iskut River II	104G 104	Showing	Limestone
46	Iskut River Limestone	104G 104	Showing	Limestone
48	Iskut River III	104G 104	Showing	Limestone
49	Iskut River I	104G 104	Showing	Limestone
50	Iskut River Limestone	104G 104	Showing	Limestone
51	RDN (Exploration Camp)			camp location
52	Main Zone		Prospect	Ag Au Zn Cu Pb
53	Baseline	104G 144	Showing	Au
54	Gem		Prospect	Ag Au
55	Sinter		Prospect	Ba Zn Cu As Ag Hg Pb
56	Logan Ridge		Showing	no data
57	Waterfall	104G 144	Showing	no data
58	Wedge	104G 144	Prospect	Au Ag Zn Cu Pb
59	Southmore		Showing	Hg Ag Mo Zn As Cu Pb Sb
60	Jungle Anomaly	104G 144	Prospect	Au As Ag Pb
61	Gossan Creek Porphyry		Prospect	Zn Cu Pb Ag Au
62	Steen Vein		Showing	Ag Au Pb Zn
63	Marcasite Gossan	104G 144	Prospect	Ag Mo Hg As Sb
64	South Gossan		Showing	no data
65	RTB		Showing	Zn Pb Cu Ag Au Sb As Hg
66	Boundary	104G 144	Prospect	Au Ag Cu Zn Pb As Hg
67	Forgold	104B 378	Prospect	Cu Pb Zn Ag Au
68	Twin East		Showing	no data
69	Twin West		Showing	no data
70	Four Corners		Showing	Pb Ag
71	Sunkist		Showing	As Zn
72	Malachite Peak		Showing	Cu
73	PBR North		Showing	Zn Ag Ba
74	Mohole		Showing	no data
75	Forrest	104B 380	Prospect	Au Ag Cu Pb Zn
76	Iskut-Palmiere		Showing	Au As
77	Eskay Creek NEX Zone	104B 008	Producing Mine	Au Ag
78	Eskay Creek 109 Zone	104B 008	Producing Mine	Au Ag
79	Eskay Creek Pathfinder Zone	104B 008	Deposit	Au Ag
80	Eskay Creek 21C Zone	104B 008	Producing Mine	Au Ag
81	Eskay Creek 21B Zone	104B 008	Producing Mine	Au Ag
82	Eskay Creek 21A Zone	104B 008	Deposit	Au Ag
83	# 21 opencut	104B 008	Prospect	Au Ag
84	# 5 opencut	104B 008	Prospect	Au Ag
85	# 25 opencut	104B 008	Prospect	Au Ag
86	Eskay Creek 22 Zone	104B 008	Deposit	Au Ag
87	Eskay Creek Porphyry Zone	104B 008	Prospect	Au Ag
88	# 28 opencut	104B 008	Prospect	Au Ag
89	Emma adit	104B 008	Prospect	Au Ag
90	# 10H opencut	104B 008	Prospect	Au Ag
91	# 10 opencut	104B 008	Prospect	Au Ag
92	Bonsai	104B 383	Showing	Au Ag
93	GNC	104B 391	Prospect	Zn Cu Ag
94	Mackay adit	104B 008	Prospect	Au Ag
95	SIB North	104B 376	Showing	Au Ag Sb Zn
96	Jack Glacier	104B 083	Showing	Au Ag Zn Cu
97	Icefield	104B 120	Showing	Cu
98	Gap		Showing	Ag Pb Au Zn
99	SIB Central	104B 376	Prospect	Au Ag Sb Zn
100	SIB adit	104B 376	Prospect	Au Ag Sb Zn
101	Pie		Prospect	no data
102	Copper King	104B 007	Showing	Cu Fe Au
103	Orpiment		Showing	As alunite
104	1100	104B 376	Showing	Au Ag Sb Zn
105	Bruce Glacier	104B 072	Prospect	Au Ag Zn Pb Cu
106	Thumb		Showing	Zn Fe
107	GR North	104B 374	Showing	Ag Cu Pb Zn Sb Au
108	U2 North		Showing	Ag, Au, Cu
109	Lulu	104B 376	Prospect	Au Ag Sb Zn
110	SIB South	104B 376	Showing	Au Ag Sb Zn
111	GR South	104B 371	Showing	Au Ag Cu Pb Zn Sb
112	Marguerite	104B 376	Showing	Ag Au Cu
113	Barb Lake	104B 085	Showing	Cu
114	Hexagon		Prospect	Hg

Eskay Insert Map Mineral Occurrences

115	Eskay Creek HW Zone	104B 008	Producing Mine	Cu
116	Eskay Pumphouse Zone	104B 008	Deposit	Au Ag
117	#23 opencut	104B 008	Prospect	Au Ag
118	#13 opencut	104B 008	Prospect	Au Ag
119	#14 opencut	104B 008	Prospect	Au Ag
120	#6 opencut	104B 008	Prospect	Au Ag
121	#7 opencut	104B 008	Prospect	Au Ag
122	#4 opencut	104B 008	Prospect	Au Ag
123	SIB Northeast	104B 376	Showing	Au Ag Sb Zn

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RECOMMENDED CITATION

Bob Anderson, Chris Ash, Don Coolridge, Murray Jones, Dave Kuran, Jim Logan, Adam Travis and Dave Caulfield shared their geological data and insights.

Funding was provided by the Targeted Geoscience Initiative.

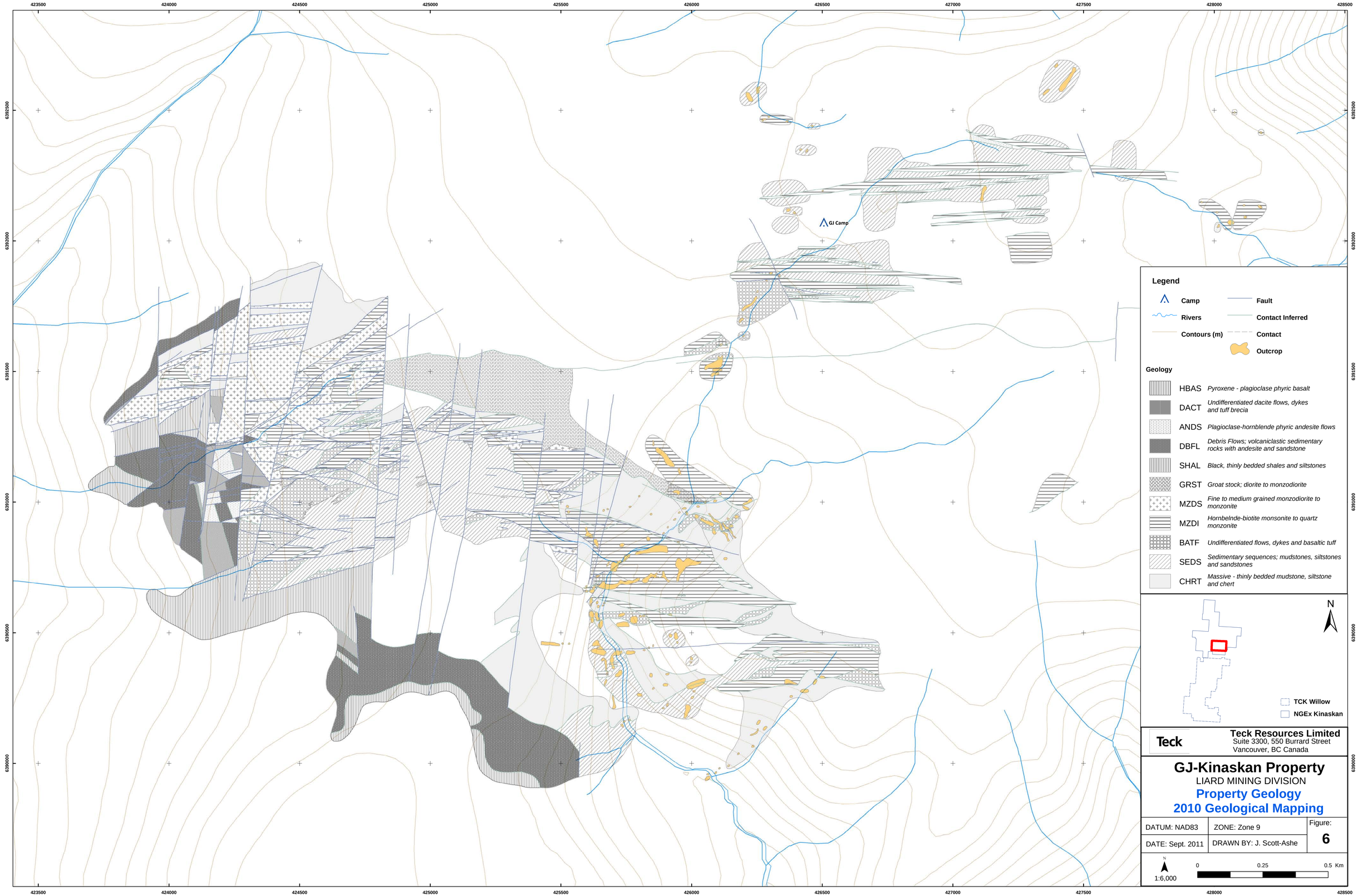
ACKNOWLEDGEMENTS

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This map may be obtained from Crown Publications Inc., Victoria, B.C. and can be viewed at this website:
http://www.em.gov.bc.ca/mining/geolsurv/bedrock/mapsonline

Appendix IV:

Extent of the 2010 geological mapping (Shown as orange outcrops) at the GJ-Kinaskan Property. Scale 1:7,500


423500
424000
424500
425000
425500
426000
426500
427000
427500
428000
428500
6392500
6392000
6391500
6391000
6390500
6390000
GJ Camp
Legend
Camp
Rivers
Contours (m)
Fault
Contact Inferred
Contact
Outcrop
Geology
HBAS Pyroxene - plagioclase phyric basalt
DACT Undifferentiated dacite flows, dykes and tuff brecia
ANDS Plagioclase-hornblende phyric andesite flows
DBFL Debris Flows; volcaniclastic sedimentary rocks with andesite and sandstone
SHAL Black, thinly bedded shales and siltstones
GRST Groat stock; diorite to monzodiorite
MZDS Fine to medium grained monzodiorite to monzonite
MZDI Hornbelnde-biotite monsonite to quartz monzonite
BATF Undifferentiated flows, dykes and basaltic tuff
SEDS Sedimentary sequences; mudstones, siltstones and sandstones
CHRT Massive - thinly bedded mudstone, siltstone and chert
N
TCK Willow
NGEx Kinaskan
Teck
Teck Resources Limited
Suite 3300, 550 Burrard Street
Vancouver, BC Canada
GJ-Kinaskan Property
LIARD MINING DIVISION
Property Geology
2010 Geological Mapping
DATUM: NAD83
ZONE: Zone 9
Figure:
6
DATE: Sept. 2011
DRAWN BY: J. Scott-Ashe
N
1:6,000
0
0.25
0.5 Km

Appendix V:

Gridded ground magnetic data from 2010 together with mapped geology and proposed 2010 ground mag lines (purple), showing the extent completed (colour-shaded).

YT
SUN
WOLF WEST
GJ Camp
NORTH
NORTH DONNELLY
GOAT
GJ
BEAUCHAMPS

Legend

- Camp
- Rivers
- Contours (m)
- Proposed Mag Lines 2010
- Contact Inferred
- Fault
- Contact
- Outcrop

Ground Mag 10m
High : 59097.2
Low : 56396.6

Geology

HBAS	*Pyroxene - plagioclase phyric basalt*
DACT	*Undifferentiated dacite flows, dykes and tuff brecia*
ANDS	*Plagioclase-hornblende phyric andesite flows*
DBFL	*Debris Flows; volcaniclastic sedimentary rocks with andesite and sandstone*
SHAL	*Black, thinly bedded shales and siltstones*
GRST	*Groat stock; diorite to monzodiorite*
MZDS	*Fine to medium grained monzodiorite to monzonite*
MZDI	*Hornbelnde-biotite monsonite to quartz monzonite*
BATF	*Undifferentiated flows, dykes and basaltic tuff*
SEDS	*Sedimentary sequences; mudstones, siltstones and sandstones*
CHRT	*Massive - thinly bedded mudstone, siltstone and chert*

N

TCK Willow
NGEx Kinaskan

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LIARD MINING DIVISION

2010 Geology and Ground Mag (10m)

DATUM: NAD83	ZONE: Zone 9	Figure: 7
DATE: Sept. 2011	DRAWN BY: J. Scott-Ashe	

1:7,500

0 0.25 0.5 Km

Appendix VI:

Merged ground magnetic total field data from 2007 (thin black lines) and 2010 (heavy black lines with diurnally-corrected TMI values posted). Merging of the various ground data sets were done by grid knitting that involved level and first order shifts of the TMI data. Claim boundaries are shown as thin black lines at the south

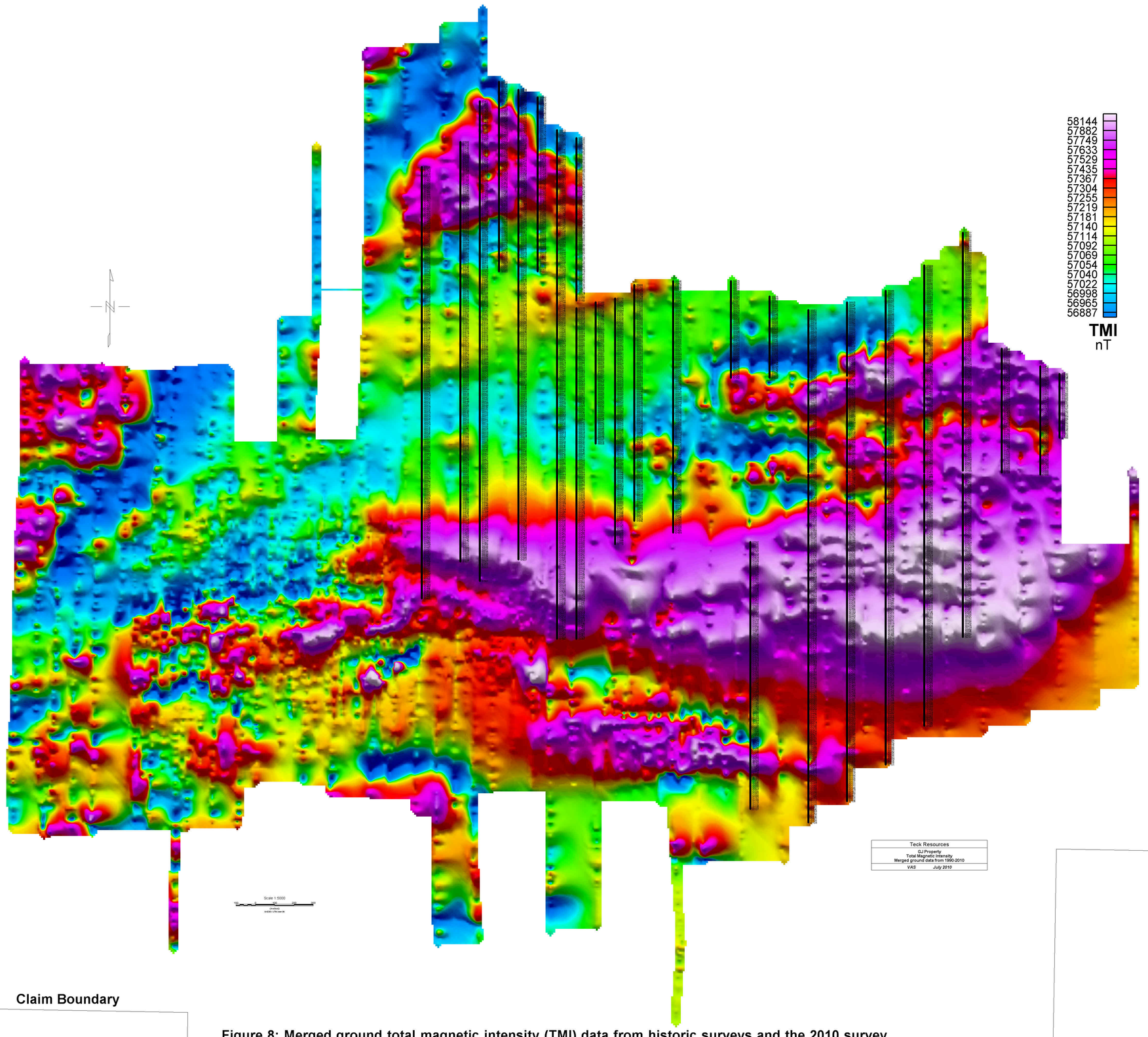


Figure 8: Merged ground total magnetic intensity (TMI) data from historic surveys and the 2010 survey (heavy black survey lines with diurnally-corrected TMI values posted). Merging of the various ground data sets was done by grid knitting that involved level and first-order shifts of the TMI data. Claim boundaries are shown as thin black lines at the south.

Appendix VII:

Ground magnetic 2010 and historic surveys (TMI) overlain with the inferred geological faults (dashed lines). Microlevelling of this data consisted of removing a high-pass Butterworth filter with a cut-off wavelength of 300m (8th order) followed by a directional cosine filter directed north (90º) and a 0.8 function degree.

422500 423000 423500 424000 424500 425000 425500 426000 426500 427000 427500 428000 428500 429000 429500 430000 430500

6394000 6393500 6393000 6392500 6392000 6391500 6391000 6390500 6390000 6389500 6389000

GJ Camp

Legend

- Camp
- Rivers
- Contours (m)
- Fault
- Contact
- Contact Inferred

Ground Mag TMI
High : 62744.5
Low : 56259.7

N

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Vancouver, BC Canada

GJ-Kinaskan Property

LIARD MINING DIVISION

Ground Mag (TMI)
2007-2010

DATUM: NAD83	ZONE: Zone 9	Figure: 9
DATE: Sept. 2011	DRAWN BY: J. Scott-Ashe	

1:10,000

0 0.25 0.5 1 Km

Appendix VIII:

2010 mapped geology overlain overtop the historic and 2010 ground magnetic data (TMI). Microlevelling of this data consisted of removing a high-pass Butterworth filter with a cut-off wavelength of 300m (8th order) followed by a directional cosine filter directed north (90º) and a 0.8 function degree.

422500 423000 423500 424000 424500 425000 425500 426000 426500 427000 427500 428000 428500 429000 429500 430000 430500

6394000 6393500 6393000 6392500 6392000 6391500 6391000 6390500 6390000 6389500 6389000

GJ Camp

Legend

Camp
Rivers
Contours (m)
Fault
Contact
Contact Inferred
Outcrop

Ground Mag TMI
High : 62744.5
Low : 56259.7

Geology

HBAS	Pyroxene - plagioclase phyric basalt
DACT	Undifferentiated dacite flows, dykes and tuff brecia
ANDS	Plagioclase-hornblende phyric andesite flows
DBFL	Debris Flows; volcaniclastic sedimentary rocks with andesite and sandstone
SHAL	Black, thinly bedded shales and siltstones
GRST	Groat stock; diorite to monzodiorite
MZDS	Fine to medium grained monzodiorite to monzonite
MZDI	Hornbeinde-biotite monsonite to quartz monzonite
BATF	Undifferentiated flows, dykes and basaltic tuff
SEDS	Sedimentary sequences; mudstones, siltstones and sandstones
CHRT	Massive - thinly bedded mudstone, siltstone and chert

N

TCK Willow
NGEx Kinaskan

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GJ-Kinaskan Property

LIARD MINING DIVISION

Ground Mag (TMI)
2007-2010

DATUM: NAD83	ZONE: Zone 9	Figure: 10
DATE: Sept. 2011	DRAWN BY: J. Scott-Ashe	

1:10,000

0 0.25 0.5 1 Km

Appendix VIIII:

Location of the 2010 IP lines (yellow) relative to historic IP data (red) and drilling (black traces projected to surface), draped on the SRTM 90m topography.

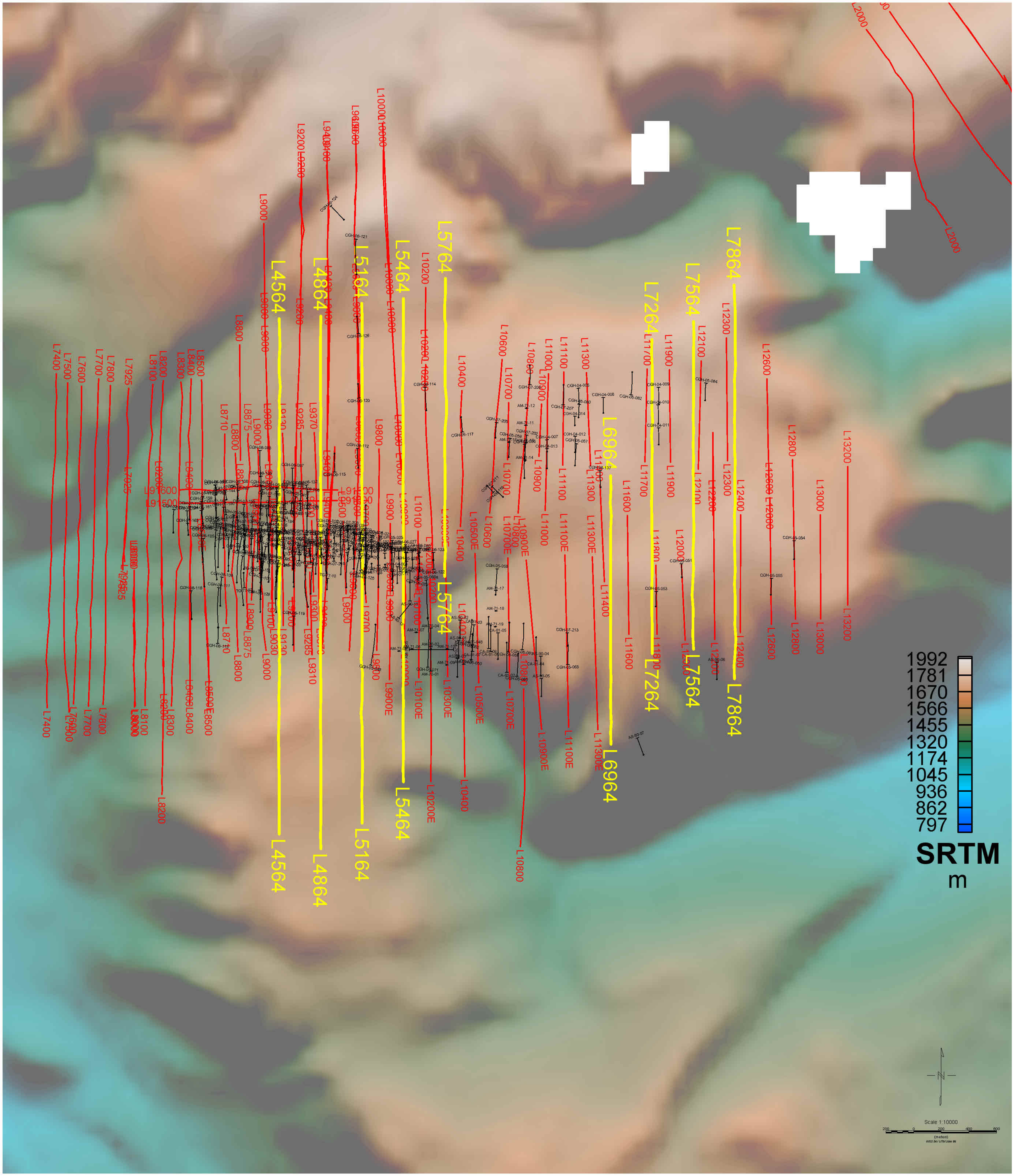
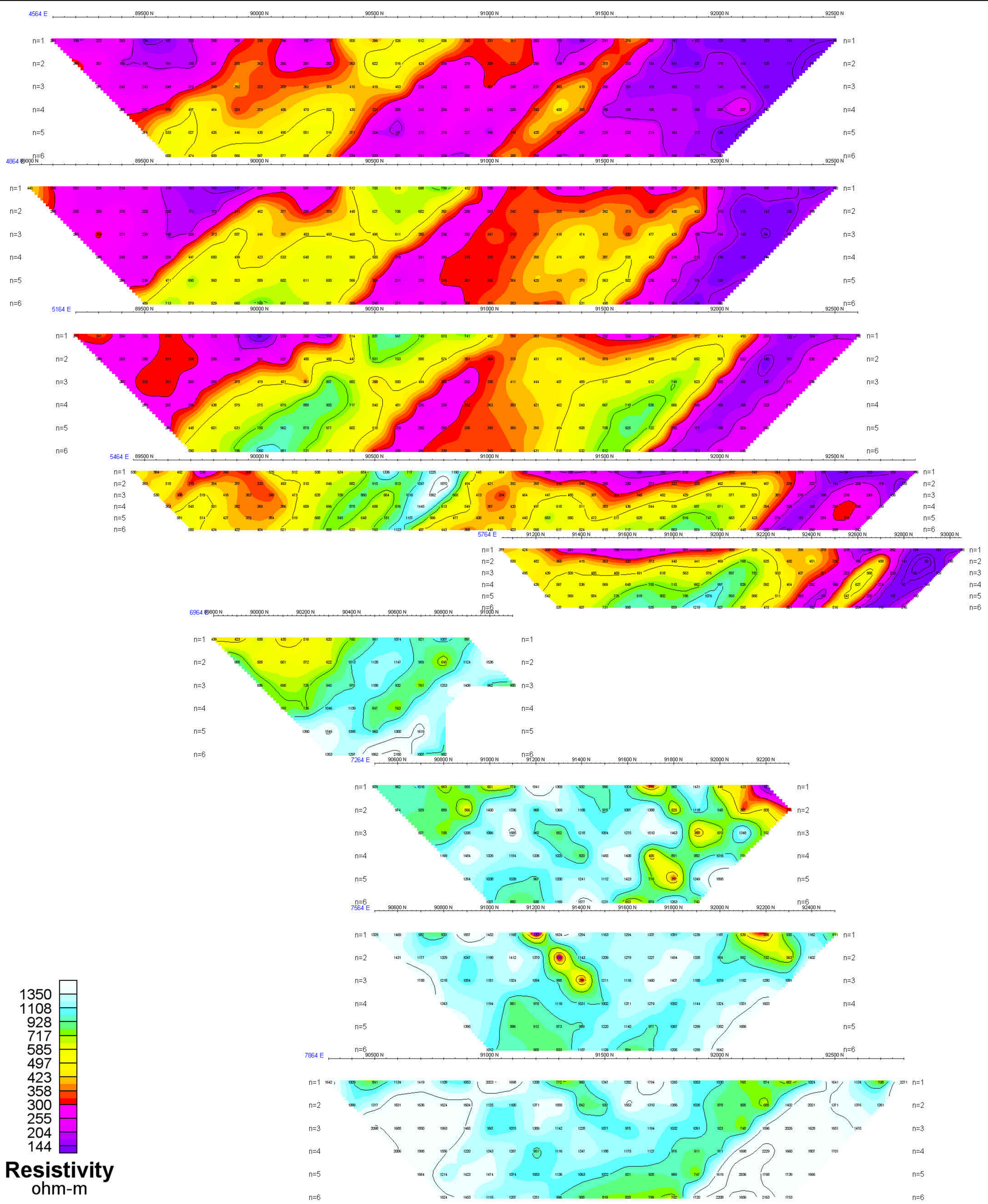


Figure 10: Location of the 2010 IP lines (yellow) relative to historic IP data (red) and drilling (black traces projected to surface), draped on the SRTM 90m topography.

Teck Resources	
GJ Property 2010 IP/Resistivity Survey Lines	
Surveyed by Scott Geophysics	101
VAS	*July 2010*

Appendix X:

Stacked resistivity pseudosections for the 2010 resistivity/IP lines surveyed at GJ. Lines are displayed facing west and with equal spacing. All lines are displayed with the same histogram stretched colour bar.



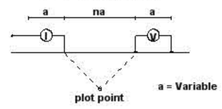
1350
1108
928
717
585
497
423
358
300
255
204
144

Resistivity
ohm-m

Geosoft Software for the Earth Sciences

Stacked Section Map
Rho

Pole-Dipole Array



Logarithmic Contours: 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

- ■ **Strong increase in polarization accompanied by marked decrease in resistivity.**
- □ **Well defined increase in polarization without marked resistivity decrease.**
- □ **Poorly defined polarization increase with no resistivity signature.**
- ▼ **Low resistivity feature.**

Scale 1:7500

100 0 100 200 300 400
(meters)

Teck Resources

INDUCED POLARIZATION SURVEY

Pseudosections of 2010 IP Survey Data

Pole-dipole array with 200 m a spacing, n=1-6 and 100 m stations

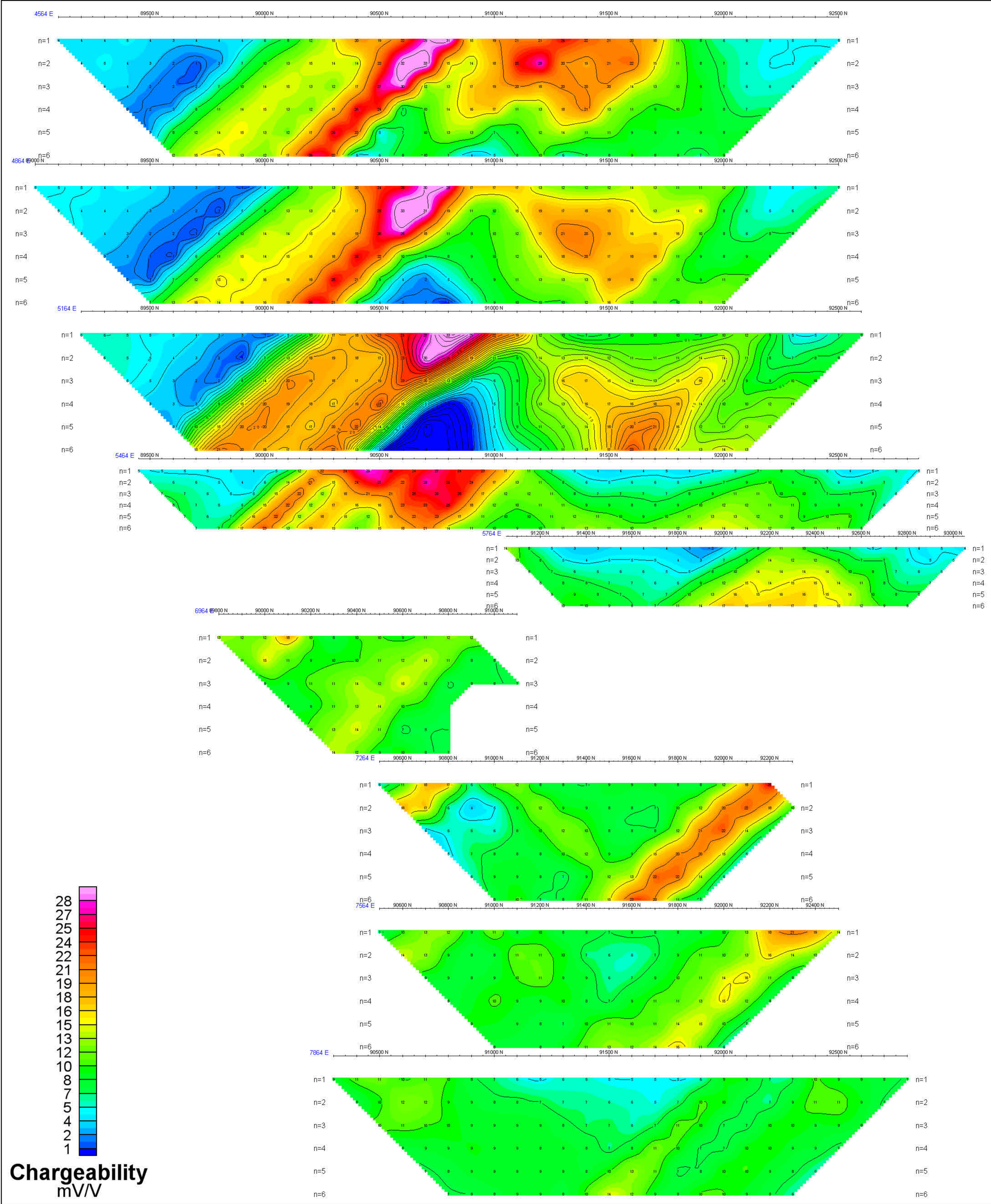
Date: 19/09/2011
Interpretation: VAS

Scott Geophysics

Figure 12: Stacked resistivity pseudosections for the 2010 resistivity/IP lines surveyed at GJ. Lines are displayed facing west and with equal spacing. All lines are displayed with a histogram stretched colour bar.

Appendix XI:

Stacked chargeability pseudosections for the 2010 resistivity/IP lines surveyed at GJ. Lines are displayed facing west and with equal spacing. All lines are displayed with the same linear stretch colour bar.



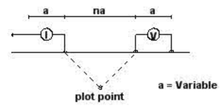
Chargeability
mV/V

Geosoft Software for the Earth Sciences

Stacked Section Map

IP_Avg

Pole-Dipole Array



Logarithmic Contours: 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

- ■ **Strong increase in polarization accompanied by marked decrease in resistivity.**
- ◘ **Well defined increase in polarization without marked resistivity decrease.**
- □ **Poorly defined polarization increase with no resistivity signature.**
- ▼ **Low resistivity feature.**

Scale 1:7500

100 0 100 200 300 400
(meters)

Teck Resources

INDUCED POLARIZATION SURVEY

Pseudosections of 2010 IP Survey Data

Pole-dipole array with 200 m a spacing, n=1-6 and 100 m stations

Interpretation: VAS

Scott Geophysics

Figure 13: Stacked chargeability pseudosections for the 2010 resistivity/IP lines surveyed at GJ. Lines are displayed facing west and with equal spacing. All lines are displayed with a linear stretch colour bar from 0-30 mV/V..

Appendix XII:

2010 IP lines (green) with the historic IP lines (red) draped on the regional geologic map and the SRTM topography (in grayscale).

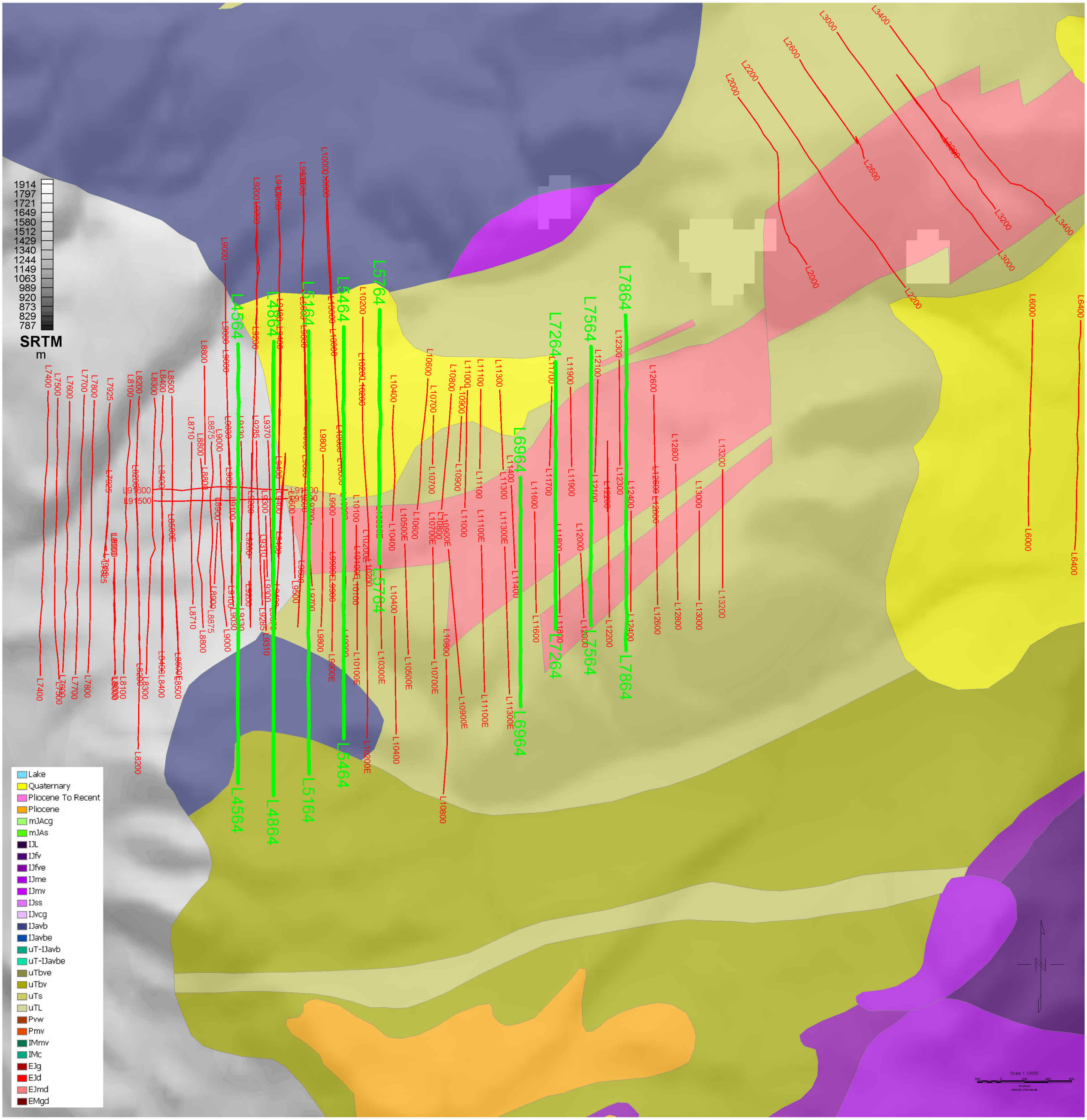


Figure 10: 2010 IP lines (green) with the historic IP lines (red) draped on the regional geologic map and the SRTM topography (in grayscale).

Teck Resources
GJ Property 2010 IP/Resistivity Survey Lines
Surveyed by Scott Geophysics 107
VAS *July 2010*

Appendix XIII:

Location of diamond drill hole collars and drill hole traces for the re-logged drill holes.

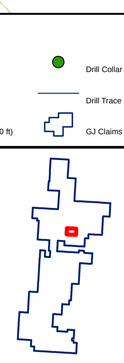
424400
424800
425200
425600
426000

6391600
6391200
6390800

CGH-06-115
CGH-06-132
CGH-06-133
CGH-07-211
CGH-06-130
CGH-06-096
CGH-07-196
CGH-07-212
CGH-05-022
507681
CGH-07-147
CGH-05-025
CGH-07-216
CGH-05-039
CGH-07-173
CGH-07-143
CGH-07-214
CGH-05-023
CGH-05-024
CGH-05-040
CGH-07-175
505097
CGH-06-108
CGH-05-036
CGH-05-071

LEGEND

GJ Camp
Drill Collar Location
Rivers
Drill Trace
Contour (100 ft)
GJ Claims



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GJ-Kinaskan Property

LIARD MINING DIVISION

Location of Re-logged Drillholes

DATUM: NAD83	ZONE: Zone 9	Figure: 24
DATE: April, 2011	DRAWN BY: J. Scott-Ashe	

N

1:2,500

200 m

Appendix XIIII:

Statement of Costs.

Statement of Costs

Field Personnel (Days worked during the period August 1st to October 15th 2010)

Supervision - R.Farmer*	10 Days @ ~$700 = $7,000
(August 20th- August 30th)	
Senior Geologist 1 - C.Chamberlain*	42 Days @ ~$600 = $25,200
(August 20th – October 1st)	
Senior Geologist 2- K.Weir*	10 Days @ ~$550 = $5,500
(September 12th – September 17th)	
*Field Assistant * - S.Berg*	50 Days @ ~$300 = $15,000
(August 20th – October 1st)	
Health and Safety - K.Bilquist*	40 Days @ ~$400 = $16,000
(August 20th – October 1st)	
Camp Manager - M.Merante*	40 Days @ ~$320 = $12,800
(August 20th – October 1st)	
	Camp Crew TOTAL = $81,500.00
GIS Specialists and Remote Sensing	
GIS Specialist - S.Pope*	10 Days @ ~$350 = $3,500
Senior GIS Specialist - R.Murkherjee*	10 Days @ ~$400 = $4,000
	GIS Specialists TOTAL = $5,652.20
Geophysical	
Senior Geophysicist - V.Sterritt*	20 Days @ ~400 = $8,000
Geophysical Technician - S.Berg*	10 Days @ ~$300 = $3,000
	Geophysics TOTAL $12,920.41

denotes Teck employee

Staff Total

$100,072.61

General Contract Labour

Markie Blackburn	15 Days @ $320 = $4,800
(September 1st – September 15th)	
Jim Abou	26 Days @ $320 = $8,320
(September 1st – September 26th)	
Dwayne Tashoots	14 Days @ $400 = $5,600
(September 2nd – September 17th)	
James Tashoots	20 Days @ $400 = $8,000
(September 2nd – September 23rd)	
Danny Henyu	10 Days @ $320 = $3,200
(September 17th – September 26th)	
Kyle Louie	8 Days @ $320 = $2,560
(September 23rd – September 30th)	
Blaine Louie	8 Days @ $320 = $2,560
(September 23rd – September 29th)	

Contractor Labour Total

$35,040.00

Contract First Aid Services/Safety 30 Days @ $600 = $18,000

Advance Care Paramedic

Contract Medical Services Total

$18,634.00

Staffing Total: $153,746.61

Camp construction

Camp Rental (CJG) x 1 month	$ 4,000.00
Camp construction supplies –	
Bulkley Valley Home Centre (lumber, parts)	$33, 350.35
Bruce's Heating and Plumbing Services	$ 4, 393.22
Alpine Wiring Contracting & Supplies	$ 45,912.82
Evergreen Industrial Supplies (pumps, tanks)	$10,573.22

Camp construction Total

$98,229.61

Accommodation

Tatogga Lake Lodge Accommodation

(August 30th 2010 to September 30th 2010)

387 Man Days @ $75 per Night/incidentals	$30,661.00
Film crew accommodation 6 Days @ $75	*$450.00*
Including 22 crew lunches @ $10 each	*$220.00*
Survival food $100	*$100.00*
Phone cards 5 @ $10	*$50.00*
Phone usage 0.35 X360 minutes	*$126.00*

Accommodation Total

$30,661.00

Hotel Accommodation for crew in Price George, Smithers, Kamloops and Vancouver

2 x rooms @ $ 500 = (August 29th)	$1,815.57
4 x rooms @ $ 70 = (August 29th)	$290
3 x rooms @ $100 = (September 30th)	$ 300
3 x rooms @ $100 = (October 1st)	$ 300

1 room x $500 (10 days) = (October 1st)	$5,000
1 room x $500 (5 days) = (October 1st)	$2,500
Meals (Camp Manager August 24th -30th)	$ 592.91

Hotel Total

$10,205.57

Telecommunications

Sat phone rentals (x5) $1,520 x 2 Months	$3,040
Radios $28 per day/radio for 42 days	$6,000

Telecommunications Total

$9,000.00

Airfares

Vancouver to Toronto (August 9th)	$ 959.73
Toronto to Vancouver (September)	$ 500.00
2 x Vancouver to Smithers (September)	$1,000.00
2 x Smithers to Vancouver (September)	$1,000.00
Vancouver to Smithers (Return trip) (September)	$ 887.00
Bob Quinn to Vancouver (September 20th)	$1,000.00
Vancouver to Toronto (October 1st)	$ 500.00

Airfares Total

$5,846.73

Helicopter Costs

(August 30th – October 1st: x 38 Days for the 206 Jetranger/Longranger

(Heli flights on all days as above), average $4,000 per day.

Helicopter Total

$175,313.31

Travel Costs/Gas/Parking

(August 24th – September 17th)	$2, 655.04

Travel Other Total

$2,655.04

Vehicle Costs

Rental

5 days rental @ $53.33 per day (August)	$266.67
30 days rental @ 53.33 per days (September)	$1,599.90
15 days 4x4 truck rental @ 53.33 per day	$900.00
15 days truck rental @ 53.33 per day	$900.00
10 Days 4x4 truck rental @ 53.44 per day	$553.30

Vehicle Rental Total

$4,219.87

Vehicle Maintenance (Vehicle oil change, plus tires)	+$1,654.57

Vehicle Rental plus maintenance Total

$6,000.00

Equipment and Supplies

Computer Software & Costs

1 x TSF Oro V7 Licence and Dongle	$5,450.76
1 x WinZip	$ 40.22

Computer Total

$5,675.94

Fieldwork and camp equipment costs

Supplies (MEC)	*$10,573.33*
Safety Kit	*$99.62*
Lifting Lugs	*$485.85*

Incinerator	*$9,995*
Expediting Service	*$5,037.95*
Flagging Supplies	*$2,000*
Camp Lease and Expediting	*$46,700.00*
(Sept & October)	

$139,008.88

Maps and Prints (Photosat Map)	$7,177.00
Courier, postage & Freight	
Air Canada Cargo (Drop packs)	$1000
Bandstra Shipping (August 25th-October 1st)	
25 trips @ $100 per trip	$2,500
Fedex 20 Trips @ $50	$1000
	$4,519.42

Field Equipment and Supplies Total

$161,450.15

Rental and Leases (Equipment)

Alpine Wiring- Generator rental x 3 months

@ $1,568.29/$1,344.00 per month

Rental Equipment Total

$ 4,256.29

Rental and Leases (Premises)

Camp Rental (Nuggett Contractors)	
x 1 month @ $14,400.00/month	$14,400.00

Staging Costs 1 x $2,500.00		$2,500.00
Storage Costs 12 x $100		$1,200.00

Premises Total

$18,100.00

Project Costs		$5,064.30

Geophysics Survey

Crew Leader	Gord Stewart	19 Days @ $400 = $7,600
IP Assistant 1	Josh Dundas	19 Days @ $250 = $4,750
IP Assistant 2	Greg Amos	19 Days @ $250 = $4,750
IP Assistant 3	Dev Khurana	19 Days @ $250 = $4,750
IP Assistant 4	Mui Luc	12 Days @ $250 = $3,000

Geophysics Survey Total

$27,752.05

Report Preparation

Senior Geologist*	3 Days @ ~800 2,400	
Geologist 1	10 Days @ ~$550	$ 5,500
GIS Support*	5 Days @ ~$400	$ 2,000

Report Preparation Total

$10,000

TOTAL $730,567.00

Appendix XV:

2010 Geological Logging data for historical re-logging of drill core: Lithology

Teck 2010 Re-logged holes - Lithology Summary

Hole_ID	From	To	LithoCode	Description
CGH-05-2010-022	0	47	OVD	casing/overburden
CGH-05-2010-022	47	73	MZD	monzodiorite
CGH-05-2010-022	49.8	73	MZD	monzodiorite
CGH-05-2010-022	73	75	SLT	silstone
CGH-05-2010-022	47.3	88	MZD	monzodiorite
CGH-05-2010-022	88	118	BAS	basalt
CGH-05-2010-022	118	175	MZD2	monzodiorite 2
CGH-05-2010-022	175	178	TBX	bx tourmaline
CGH-05-2010-022	178	181.3	MZD2	monzodiorite 2
CGH-05-2010-024	0	5	OVD	casing/overburden
CGH-05-2010-024	5	12	SMUD	sandy mudstone
CGH-05-2010-024	12	51	M-S	mudstone-siltstone
CGH-05-2010-024	51	91	MZD	monzodiorite
CGH-05-2010-024	91	97	PBX	polimictic bx
CGH-05-2010-024	97	252	SIL	siltstone
CGH-05-2010-024	252	268	CHR	chert
CGH-05-2010-024	268	270	QFP	quartz-feldspar porphyry
CGH-05-2010-024	270	293	CHR	chert
CGH-05-2010-024	293	307.5	QFP	quartz-feldspar porphyry
CGH-05-2010-024	307.5	312	SIL	silstone
CGH-05-2010-024	312	315	QFP	quartz-feldspar porphyry
CGH-05-2010-024	315	334	SIL	silstone
CGH-05-2010-024	334	337	FP-	feldspar porphyry
CGH-05-2010-024	337	343	SIL	silstone
CGH-05-2010-024	343	345.94	FP-	feldspar porphyry
CGH-06-2010-108	0	6.1	OVD	casing/overburden
CGH-06-2010-108	6.1	18.5	SSIL	sandy siltstone
CGH-06-2010-108	18.5	96	M-S	mudstone-siltstone
CGH-06-2010-108	96	100	MZD	monzodiorite dike
CGH-06-2010-108	100	170	SIL	siltstone
CGH-06-2010-108	170	175	MZDPP	mzd - plagioclase porphyry
CGH-06-2010-108	175	349	SIL	siltstone
CGH-06-2010-108	349	364	MZD	monzodiorite
CGH-06-2010-108	364	369	SIL	siltstone
CGH-06-2010-108	369	375	MZD	monzodiorite
CGH-06-2010-108	375	386	SIL	siltstone
CGH-06-2010-108	386	392	MZD	monzodiorite
CGH-06-2010-108	392	396	SIL	siltstone

Teck 2010 Re-logged holes - Lithology Summary

Hole_ID	From	To	LithoCode	Description
CGH-06-2010-108	396	431	MZD	monzodiorite faneritic, medium-grained
CGH-06-2010-108	431	439.42	SIL	siltstone
CGH-07-2010-196	0	33.3	OVD	casing/overburden
CGH-07-2010-196	33.3	61	SIL	siltstone
CGH-07-2010-196	61	65	MZD3	monzodiorite 3
CGH-07-2010-196	65	79	CHR	chert
CGH-07-2010-196	79	82.5	BAS	basalt
CGH-07-2010-196	82.5	87.5	CHR	chert
CGH-07-2010-196	87.5	89	MZD3	monzodiorite 3
CGH-07-2010-196	89	117	CHR	chert
CGH-07-2010-196	117	122	MZD3	monzodiorite 3
CGH-07-2010-196	122	136	CHR	chert
CGH-07-2010-196	136	150	BAS	basalt
CGH-07-2010-196	150	162.5	CHR	chert
CGH-07-2010-196	162.5	178	ANDP	andesite porphyry
CGH-07-2010-196	178	179	MZD3	monzodiorite 3
CGH-07-2010-196	179	189	AND	andesite fine grain
CGH-07-2010-196	189	236	MZD3	monzodiorite 3, fine grain
CGH-07-2010-196	236	238	AND	andesite fine grain
CGH-07-2010-196	238	268.22	MZD3	monzodiorite 3
CGH-07-2010-212	0	24.38	OVD	casing/overburden
CGH-07-2010-212	24.38	33	SIL	siltstone
CGH-07-2010-212	33	35	QFP	quartz-feldspar porphyry, Coarse feldspars, quartz and feldspar float in a fine grain matrix
CGH-07-2010-212	35	42.5	S-S	sandstone-siltstone
CGH-07-2010-212	42.5	62.5	S-M	sandstone-siltstone
CGH-07-2010-212	62.5	77.5	HA	hydrothermally altered
CGH-07-2010-212	77.5	105	S-M	siltstone-mudstone
CGH-07-2010-212	105	107	MZD	monzodiorite
CGH-07-2010-212	107	114.5	S-M	siltstone-mudstone
CGH-07-2010-212	114.5	141	MZD	monzodiorite
CGH-07-2010-212	141	150	S-M	siltstone-mudstone
CGH-07-2010-212	150	152	MZD	monzodiorite
CGH-07-2010-212	152	166	S-M	siltstone-mudstone
CGH-07-2010-212	166	170	MZD	monzodiorite
CGH-07-2010-212	170	176	FBX	fault Breccia
CGH-07-2010-212	176	221	BAS	basalt
CGH-07-2010-212	221	242.5	S-M	siltstone-mudstone
CGH-07-2010-212	242.5	273.1	MZD	monzodiorite hornblende-phyric

Teck 2010 Re-logged holes - Lithology Summary

Hole_ID	From	To	LithoCode	Description
CGH-07-2010-214	0	6.1	OVD	casing/overburden
CGH-07-2010-214	6.1	120	SIL	siltstone
CGH-07-2010-214	120	161	FBX	fault breccia - zone of brecciation, hydrothermal breccia?, Silica cement, polymict, fragments of mudstone, monzodiorite, siltstone
CGH-07-2010-214	161	191	MZD	monzodiorite faneritic, medium grained
CGH-07-2010-214	191	200	SIL	siltstone localty chert
CGH-07-2010-214	200	206	MZD	monzodiorite faneritic, medium grained
CGH-07-2010-214	206	219.46	MZD3	monzodiorite 3 fine grain
CGH-07-2010-216	0	11	OVD	casing/overburden
CGH-07-2010-216	11	85	SIL	siltstone
CGH-07-2010-216	85	93	PBX	polimictic bx
CGH-07-2010-216	93	116	SIL	siltstone
CGH-07-2010-216	116	180	SND	sandstone
CGH-07-2010-216	180	192.02	SIL	siltstone
CGH-07-2010-147	0	36.58	OVD	casing/overburden
CGH-07-2010-147	36.58	49	SIL	siltstone/wackes
CGH-07-2010-147	49	97.54	MZN	monzonite?
CGH-05-2010-039	0	44.8	OVD	casing/overburden
CGH-05-2010-039	44.8	97	MZD	monzodiorite, texturally destructive sericite alteration, with stockwork, breciation
CGH-05-2010-039	97	119	S-S	silstone/sandstone
CGH-05-2010-039	119	136	MZD	monzodiorite
CGH-05-2010-039	136	139.5	GRA	granite?
CGH-05-2010-039	139.5	158.5	MZNBX	monzodiorite breccia, clasts of MZD, brecciation, texturally destrucitve alteration
CGH-05-2010-039	158.5	162	CHR	chert
CGH-05-2010-039	162	179	MZNBX	monzodiorite breccia
CGH-05-2010-039	179	188	CHR	chert
CGH-05-2010-039	188	192	FP-	feldspar porphyry
CGH-05-2010-039	192	212	DIO	diorite
CGH-05-2010-039	212	214	FP-	feldspar porphyry
CGH-05-2010-039	214	217	DIO	diorite
CGH-05-2010-039	217	224.63	CHR	chert
CGH-07-2010-143	0	50.27	OVD	casing/overburden
CGH-07-2010-143	50.27	104	S-S	siltstone/sandstone locally silicified and aphanitic
CGH-07-2010-143	104	128.5	FBX	fault breccia fault zone bx qtz fragments
CGH-07-2010-143	128.5	141.75	BAS	basalt crackle bx annealed by qtz
CGH-07-2010-143	141.75	154	SIL	siltstone possibly local strongly alt'd volcanics
CGH-07-2010-143	154	161.54	MZD	monzodiorite hornblende
CGH-06-2010-132	0	30.48	OVD	casing/overburden

2010 Re-logged holes - Lithology Summary

Hole_ID	From	To	LithoCode	Description
CGH-06-2010-132	40.48	33	CHR	chert
CGH-06-2010-132	33	40	MZD	monzodiorite
CGH-06-2010-132	40	44	CHR	chert
CGH-06-2010-132	44	61	MZD	monzodiorite
CGH-06-2010-132	61	65	CHR	chert
CGH-06-2010-132	65	121.08	MZD	monzodiorite phaneritic
CGH-06-2010-096	0	36.5	OVD	casing/overburden
CGH-06-2010-096	36.5	90	MZD	monzodiorite
CGH-06-2010-096	90	95	FBX	fault breccia silica cement
CGH-06-2010-096	95	122	MZD	monzodiorite
CGH-06-2010-096	122	124	BAS	basalt
CGH-06-2010-096	124	142	MZD4	monzodiorite 4
CGH-06-2010-096	142	148	MZDBX	monzodiorite breccia
CGH-06-2010-096	148	182	MZD	monzodiorite
CGH-06-2010-096	182	191	MZDBX	monzodiorite breccia
CGH-06-2010-096	191	230	MZD	monzodiorite
CGH-06-2010-096	230	232	BAS	basalt
CGH-06-2010-096	232	256.03	MZD	monzodiorite
CGH-07-2010-173	19	82	MZD	monzodiorite
CGH-07-2010-173	82	88	HBX	hydrothermal breccia
CGH-07-2010-173	88	132	MZD	monzodiorite
CGH-07-2010-173	132	140.2	CHR	chert
CGH-05-2010-025	0	30	OVD	casing/overburden
CGH-05-2010-025	30	69	GHP	granite horb porphyry
CGH-05-2010-025	69	76	CHR	chert
CGH-05-2010-025	76	81	GHP	granite horb porphyry
CGH-05-2010-025	81	105.16	CHR	chert
CGH-05-2010-023	0	15.2	OVD	casing/overburden
CGH-05-2010-023	15.2	31	SIL	siltstone
CGH-05-2010-023	31	152	MZD	monzodiorite
CGH-05-2010-023	152	153	HP	honrblende porphyry
CGH-05-2010-023	153	186	MZD	monzodiorite
CGH-05-2010-023	186	187	HP	honrblende porphyry
CGH-05-2010-023	187	202	MZD	monzodiorite
CGH-05-2010-023	202	212	CHR	chert
CGH-05-2010-023	212	214	AND	andesite
CGH-05-2010-023	214	215	CHR	chert
CGH-05-2010-023	215	247.8	AND	andesite

Teck 2010 Re-logged holes - Lithology Summary

Hole_ID	From	To	LithoCode	Description
CGH-06-2010-130	0	29	OVD	casing/overburden
CGH-06-2010-130	29	234	MZD	monzodiorite?
CGH-06-2010-130	234	239	FDK	felsic dike
CGH-06-2010-130	239	259	MZD	monzodiorite?
CGH-06-2010-130	259	260	AND	andesite dike
CGH-06-2010-130	260	283.46	MZD	monzodiorite?
CGH-06-2010-133	0	42.6	OVD	casing/overburden
CGH-06-2010-133	42.6	53	MZD	monzodiorite
CGH-06-2010-133	53	54.8	FP-	feldspar porphyry
CGH-06-2010-133	54.8	74.5	MZD	monzodiorite
CGH-06-2010-133	74.5	76	BAS	basalt
CGH-06-2010-133	76	79	CHR	chert
CGH-06-2010-133	79	81	HBX	hydrothermal breccia
CGH-06-2010-133	81	84	CHR	chert
CGH-06-2010-133	84	85.5	MZD5	monzodiorite 5
CGH-06-2010-133	85.5	89	CHR	chert
CGH-06-2010-133	89	91	MZD5	monzodiorite 5
CGH-06-2010-133	91	106.68	MZD	monzodiorite
CGH-05-2010-036	0	12.19	OVD	casing/overburden
CGH-05-2010-036	12	35.7	SIL	siltstone
CGH-05-2010-036	35.7	81.65	DIO	diorite
CGH-05-2010-036	81.65	157.14	MZD	monzodiorite
CGH-05-2010-036	157.14	214.08	DIO	diorite
CGH-05-2010-036	214.08	241.95	CHR	chert
CGH-05-2010-036	241.95	242.94	DIO	diorite
CGH-05-2010-036	242.94	253.77	CHR	chert
CGH-05-2010-036	253.77	275.79	DIO	diorite
CGH-05-2010-036	275.79	305.43	CHR	chert
CGH-05-2010-036	305.43	355.1	MZD	monzodiorite
CGH-05-2010-036	355.1	359.58	DIO	diorite
CGH-05-2010-036	359.58	410.56	MZD	monzodiorite
CGH-07-2010-175	0	4	OVD	casing/overburden
CGH-07-2010-175	4	5	MZD	monzodiorite
CGH-07-2010-175	5	5.5	CHR	chert
CGH-07-2010-175	5.5	6.1	MZD	monzodiorite
CGH-07-2010-175	6.1	42.61	SIL	siltstone
CGH-07-2010-175	42.61	42.81	MZD	monzodiorite
CGH-07-2010-175	42.81	45	SIL	siltstone

2010 Re-logged holes - Lithology Summary

Hole_ID	From	To	LithoCode	Description
CGH-07-2010-175	45	45.6	MZD	monzodiorite
CGH-07-2010-175	45.6	59.75	SIL	siltstone
CGH-07-2010-175	59.75	60.44	MZD	monzodiorite
CGH-07-2010-175	60.44	62.92	SIL	siltstone
CGH-07-2010-175	62.92	63.05	MZD	monzodiorite
CGH-07-2010-175	63.05	84.16	SIL	siltstone
CGH-07-2010-175	84.16	89.22	DIO	diorite
CGH-07-2010-175	89.22	89.74	SIL	siltstone
CGH-07-2010-175	89.74	90.7	DIO	diorite
CGH-07-2010-175	90.7	92.4	SIL	siltstone
CGH-07-2010-175	92.4	94.28	DIO	diorite
CGH-07-2010-175	94.28	100.58	CHR	chert
CGH-07-2010-175	100.58	139.15	SIL	siltstone
CGH-07-2010-175	139.15	148.35	MZD	monzodiorite
CGH-07-2010-175	148.35	157.08	SIL	siltstone
CGH-07-2010-175	157.08	201.6	CHR	chert
CGH-07-2010-175	201.6	208.36	SIL	siltstone
CGH-07-2010-175	208.36	211.3	CHR	chert
CGH-07-2010-175	211.3	211.87	MZD	monzodiorite
CGH-07-2010-175	211.87	221.64	CHR	chert
CGH-07-2010-175	221.64	222.25	MZD	monzodiorite
CGH-07-2010-175	222.25	224.57	CHR	chert
CGH-07-2010-175	224.57	225.1	BAS	basalt
CGH-07-2010-175	225.1	258.06	MZD	monzodiorite
CGH-07-2010-175	258.06	264.3	CHR	chert
CGH-07-2010-175	264.3	277.37	MZD	monzodiorite
CGH-05-2010-040	0	7.2	OVD	casing/overburden
CGH-05-2010-040	7.2	45.2	CHR	chert
CGH-05-2010-040	45.2	68	S-M	mudstone-siltstone
CGH-05-2010-040	68	97	CHR	chert
CGH-05-2010-040	97	197	S-M	mudstone-siltstone
CGH-05-2010-040	197	230.3	AND	andesite
CGH-05-2010-040	230.3	277.7	VBX	volcanic breccia
CGH-05-2010-040	277.7	310.8	AND	andesite
CGH-05-2010-040	310.8	315.6	VBX	volcanic breccia
CGH-05-2010-040	315.6	337.41	CHR	chert
CGH-06-2010-115	0	38.48	OVD	casing/overburden
CGH-06-2010-115	38.48	41.4	CHR	chert

Teck 2010 Re-logged holes - Lithology Summary

Hole_ID	From	To	LithoCode	Description
CGH-06-2010-115	41.4	42.4	MZD	monzodiorite
CGH-06-2010-115	42.4	43.53	CHR	chert
CGH-06-2010-115	43.53	43.93	MZD	monzodiorite
CGH-06-2010-115	43.93	46.3	CHR	chert
CGH-06-2010-115	46.3	51.76	MZD	monzodiorite
CGH-06-2010-115	51.76	53.02	CHR	chert
CGH-06-2010-115	53.02	54.17	MZD	monzodiorite
CGH-06-2010-115	54.17	55.7	CHR	chert
CGH-06-2010-115	55.7	64.45	MZD	monzodiorite
CGH-06-2010-115	64.45	64.8	CHR	chert
CGH-06-2010-115	64.8	65.22	MZD	monzodiorite
CGH-06-2010-115	65.22	67.63	CHR	chert
CGH-06-2010-115	67.63	188.98	MZD	monzodiorite
CGH-06-2010-120	0	9.14	OVD	casing/overburden
CGH-06-2010-120	9.14	20.28	FBX	fault breccia
CGH-06-2010-120	20.28	149.35	CHR	chert
CGH-06-2010-126	0	9.14	OVD	casing/overburden
CGH-06-2010-126	9.14	106.68	DAT	dacite tuff
CGH-06-2010-126	106.68	112.25	FBX	fault breccia
CGH-06-2010-126	112.25	179.83	DAT	dacite tuff
CGH-06-2010-121	0	4.5	OVD	casing/overburden
CGH-06-2010-121	4.5	256.3	BAS	basalt
CGH-06-2010-121	256.3	278.66	SIL	silstone
CGH-06-2010-121	278.66	287.38	AND	andesite
CGH-06-2010-121	287.38	292.7	BAS	basalt
CGH-06-2010-121	292.7	355.2	AND	andesite
CGH-06-2010-121	355.2	384.05	SIL	silstone
CGH-06-2010-124	0	6.1	OVD	casing/overburden
CGH-06-2010-124	6.1	76.45	AND	andesite
CGH-06-2010-124	76.45	107.6	DAT	dacite tuff
CGH-06-2010-124	107.6	115.21	SIL	Silstone
CGH-06-2010-124	115.21	148.3	DAT	dacite tuff
CGH-06-2010-124	148.3	207.26	D-M	dacite-mudstone
CGH-07-2010-211	0	6.95	OVD	casing/overburden
CGH-07-2010-211	6.95	18.52	BAS	basalt
CGH-07-2010-211	18.52	42.93	MZD	monzodiorite
CGH-07-2010-211	42.93	57.2	SIL	Silstone
CGH-07-2010-211	57.2	62.63	MZD	monzodiorite

Teck 2010 Re-logged holes - Lithology Summary

Hole_ID	From	To	LithoCode	Description
CGH-07-2010-211	62.63	65.01	BAS	basalt
CGH-07-2010-211	65.01	74.95	MZD	monzodiorite
CGH-07-2010-211	74.95	75.83	SIL	silstone
CGH-07-2010-211	75.83	77.14	AND	andesite
CGH-07-2010-211	77.14	118.62	MZD	monzodiorite
CGH-07-2010-211	118.62	120.25	BAS	basalt
CGH-07-2010-211	120.25	125.82	MZD	monzodiorite
CGH-07-2010-211	125.82	144.51	BAS	basalt
CGH-07-2010-211	144.51	145.26	MZD	monzodiorite
CGH-07-2010-211	145.26	146.48	BAS	basalt
CGH-07-2010-211	146.48	150.7	AND	andesite
CGH-07-2010-211	150.7	176.07	MZD	monzodiorite
CGH-07-2010-211	176.07	179.3	AND	andesite
CGH-07-2010-211	179.3	280.42	MZD	monzodiorite
CGH-05-2010-071	0	14.24	OVD	casing/overburden
CGH-05-2010-071	14.24	60.67	SIL	silstone
CGH-05-2010-071	60.67	62.44	DIO	diorite
CGH-05-2010-071	62.44	64.36	SIL	silstone
CGH-05-2010-071	64.36	72.03	DIO	diorite
CGH-05-2010-071	72.03	74.37	FBX	fault breccia
CGH-05-2010-071	74.37	97.75	DIO	diorite
CGH-05-2010-071	97.75	128.9	MZD	monzodiorite
CGH-05-2010-071	128.9	139.26	FBX	fault breccia
CGH-05-2010-071	139.26	298.58	MZD	monzodiorite
CGH-05-2010-071	298.58	307.45	SIL	silstone
CGH-05-2010-071	307.45	321.87	BAS	basalt
CGH-05-2010-071	321.87	332.14	CHR	chert
CGH-05-2010-071	332.14	346.41	MZD	monzodiorite
CGH-05-2010-071	346.41	353.43	CHR	chert
CGH-05-2010-071	353.43	359.19	MZD	monzodiorite
CGH-05-2010-071	359.19	361.05	CHR	chert
CGH-05-2010-071	361.05	364.81	MZD	monzodiorite
CGH-05-2010-071	364.81	366.73	CHR	chert
CGH-05-2010-071	366.73	385.93	DIO	diorite
CGH-05-2010-071	385.93	477.62	CHR	chert

Appendix XVI:

2010 Geological Logging data for historical re-logging of drill core: Sulfides

2010 Re-logged holes - Sulfides

HOLE_ID	From	To	pyr_pct	pyrD	pyrS	pyrQ	cpy_pct	cpyD	cpyS	cpyQ	bor_pct	borD	borS	borQ	mol	ars	esf	gal
CGH-05-2010-022	47	62.9	1	1	0	1	0.3	1	0	1	0	0	0	0	0	0	0	0
CGH-05-2010-022	62.9	68	1	2	0	1	0.2	1	0	1	0	0	0	0	0	0	0	0
CGH-05-2010-022	68	72	1	1	0	1	0.2	1	0	1	0	0	0	0	0	0	0	0
CGH-05-2010-022	49.8	59.3	0.5	2	0	1	0.1	1	0	0	0	0	0	0	0	0	0	0
CGH-05-2010-022	59.3	65	1	2	0	1	0.3	1	0	1	0	0	0	0	0	0	0	0
CGH-05-2010-022	65	75	1	2	0	1	0.1	1	0	1	0.1	0	0	1	0	0	0	0
CGH-05-2010-022	47.3	56	1	1	0	1	0.2	1	0	1	0	0	0	0	0	0	0	0
CGH-05-2010-022	56	75	1	2	0	1	0.4	1	0	0	0.1	1	0	0	0	0	0	0
CGH-05-2010-022	75	88	1	2	1	0	0.1	1	0	0	0	0	0	0	0	0	0	0
CGH-05-2010-022	88	118	0.5	0	0	1	0.1	0	0	1	0	0	0	0	0	0	0	0
CGH-05-2010-022	118	126	1	1	0	1	0.2	1	0	1	0	0	0	0	0	0	0	0
CGH-05-2010-022	126	127	1	1	0	1	0.2	1	0	1	0	0	0	0	0	0	0	0
CGH-05-2010-022	127	140	1	1	0	1	0.2	1	0	0	0	0	0	0	0	0	0	0
CGH-05-2010-022	140	150	1	1	0	1	0.1	1	0	1	0	0	0	0	0	0	0	0
CGH-05-2010-022	150	156	1	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0
CGH-05-2010-022	156	157	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CGH-05-2010-022	157	175	0.5	2	0	1	0.1	1	0	0	0	0	0	0	0	0	0	0
CGH-05-2010-022	175	177	0.5	1	0	1	0.1	1	0	0	0	0	0	0	0	0	0	0
CGH-05-2010-022	177	181.3	0.4	1	0	1	0.1	1	0	0	0	0	0	0	0	0	0	0
CGH-05-2010-024	5	12	0.5	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
CGH-05-2010-024	12	51	0.5	1	1	0	0.5	1	0	1	0	0	0	0	0	0	0	0
CGH-05-2010-024	51	65	1	1	0	1	0.2	1	0	1	0	0	0	0	0	0	0	0
CGH-05-2010-024	65	67	1	1	0	1	0.2	1	0	1	0	0	0	0	0	0	0	0
CGH-05-2010-024	67	85	1	1	0	1	0.2	1	0	1	0	0	0	0	0	0	0	0
CGH-05-2010-024	85	91	1	0	1	1	0.2	2	0	1	0	0	0	0	0	0	0	0
CGH-05-2010-024	91	97	1	1	0	1	0.1	1	0	0	0	0	0	0	0	0	0	0
CGH-05-2010-024	97	134	0.5	1	0	1	0.1	1	0	1	0	0	0	0	0	0	0	0
CGH-05-2010-024	134	138	0.5	1	0	1	0.1	1	0	1	0	0	0	0	0	0	0	0
CGH-05-2010-024	138	152	0.5	1	0	1	0.1	1	0	1	0	0	0	0	0	0	0	0
CGH-05-2010-024	152	154	1	2	0	1	0.1	1	0	1	0	0	0	0	0	0	0	0
CGH-05-2010-024	154	182	0.5	1	0	0	0.1	1	0	0	0	0	0	0	0	0	0	0
CGH-05-2010-024	182	184	0.2	1	0	1	0.1	1	0	1	0.1	0	0	1	0	0	0	0
CGH-05-2010-024	184	200	0.5	1	0	1	0.1	1	0	1	0	0	0	0	0	0	0	0
CGH-05-2010-024	200	212	1	1	0	0	0.1	1	0	0	0	0	0	0	0	0	0	0
CGH-05-2010-024	212	214	1	0	0	2	0.1	1	0	1	0	0	0	0	0	0	0	1
CGH-05-2010-024	214	224	1	1	0	0	0.1	1	0	0	0	0	0	0	0	0	0	0
CGH-05-2010-024	224	230	1	1	1	1	0.1	1	0	1	0	0	0	0	0	0	0	0
CGH-05-2010-024	230	252	0.8	1	0	1	0.2	1	0	1	0	0	0	0	0	0	0	0

2010 Re-logged holes - Sulfides

HOLE_ID	From	To	pyr_pct	pyrD	pyrS	pyrQ	cpy_pct	cpyD	cpyS	cpyQ	bor_pct	borD	borS	borQ	mol	ars	esf	gal
CGH-05-2010-024	252	268	0.3	1	0	1	0.1	1	0	0	0	0	0	0	0	0	0	0
CGH-05-2010-024	268	270	0.3	1	0	1	0.1	1	0	0	0	0	0	0	0	0	0	0
CGH-05-2010-024	270	293	0.3	1	0	1	0.1	1	0	0	0	0	0	0	0	0	0	0
CGH-05-2010-024	293	307.5	1	1	0	1	0.4	1	0	0	0.1	0	0	1	0	0	0	0
CGH-05-2010-024	307.5	312	1	1	0	1	0.4	1	0	0	0	0	0	0	0	0	0	0
CGH-05-2010-024	312	315	1	1	0	1	0.4	1	0	0	0.1	0	0	1	0	0	0	0
CGH-05-2010-024	315	334	0.5	1	0	1	0.2	1	0	1	0	0	0	0	0	0	0	0
CGH-05-2010-024	334	337	1	1	0	1	0.4	1	0	0	0.1	0	0	1	0	0	0	0
CGH-05-2010-024	337	343	0.5	1	0	1	0.2	1	0	1	0	0	0	0	0	0	0	0
CGH-05-2010-024	343	345.94	0.7	1	0	1	0.1	1	0	1	0	0	0	0	0	0	0	0
CGH-06-2010-108	6.1	17	0.2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CGH-06-2010-108	17	18.5	0.1	0	0	1	0.1	0	0	1	0	0	0	0	0	0	0	0
CGH-06-2010-108	18.5	30	0.4	1	0	0	0.1	1	0	0	0	0	0	0	0	0	0	0
CGH-06-2010-108	30	46	0.5	1	0	1	0.3	1	0	1	0	0	0	0	0	0	0	0
CGH-06-2010-108	46	66	1	1	0	1	0.1	1	0	0	0	0	0	0	0	0	0	0
CGH-06-2010-108	66	68	1	0	0	1	0.1	1	0	1	0	0	0	0	0	2	0	0
CGH-06-2010-108	68	96	1	1	0	1	0.1	1	0	0	0	0	0	0	0	0	0	0
CGH-06-2010-108	96	100	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
CGH-06-2010-108	100	138	1	1	0	1	0.1	1	0	1	0	0	0	0	0	0	0	0
CGH-06-2010-108	138	146	1	1	0	1	0.1	1	0	1	0	0	0	0	0	0	0	0
CGH-06-2010-108	146	170	1	1	0	1	0.1	1	0	1	0	0	0	0	0	0	0	0
CGH-06-2010-108	170	175	2	2	0	1	0.1	1	0	0	0	0	0	0	0	0	0	0
CGH-06-2010-108	175	200	1	1	0	1	0.1	1	0	1	0	0	0	0	0	0	0	0
CGH-06-2010-108	200	222.5	1.5	1	0	1	0.1	1	0	1	0	0	0	0	0	0	0	0
CGH-06-2010-108	222.5	236	1	1	0	1	0.1	1	0	1	0	0	0	0	0	0	0	0
CGH-06-2010-108	236	257	1	1	0	1	0.1	1	0	1	0	0	0	0	0	0	0	0
CGH-06-2010-108	257	300	1	1	0	1	0.1	1	0	1	0	0	0	0	0	0	0	0
CGH-06-2010-108	300	327	1	1	0	1	0.1	1	0	1	0	0	0	0	0	0	0	0
CGH-06-2010-108	327	331	1	1	0	1	0.1	1	0	1	0	0	0	0	0	0	0	0
CGH-06-2010-108	331	349	1	1	0	1	0.1	1	0	1	0	0	0	0	0	0	0	0
CGH-06-2010-108	349	363	2	1	0	1	0.2	1	0	1	0	0	0	0	0	0	0	0
CGH-06-2010-108	363	369	1.5	1	0	0	0.1	1	0	0	0	0	0	0	0	0	0	0
CGH-06-2010-108	369	375	2	1	0	1	0.2	1	0	1	0	0	0	0	0	0	0	0
CGH-06-2010-108	375	386	1.5	1	0	0	0.1	1	0	0	0	0	0	0	0	0	0	0
CGH-06-2010-108	386	392	2	1	0	1	0.2	1	0	1	0	0	0	0	0	0	0	0
CGH-06-2010-108	392	396	1	1	0	0	0.1	1	0	0	0	0	0	0	0	0	0	0
CGH-06-2010-108	396	400	2	1	0	1	0.1	1	0	0	0.1	1	0	1	0	0	0	0
CGH-06-2010-108	400	431	2	1	0	1	0.1	1	0	1	0.1	0	0	1	0	0	0	0

2010 Re-logged holes - Sulfides

HOLE_ID	From	To	pyr_pct	pyrD	pyrS	pyrQ	cpy_pct	cpyD	cpyS	cpyQ	bor_pct	borD	borS	borQ	mol	ars	esf	gal
CGH-06-2010-108	431	439.42	0.5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CGH-07-2010-196	33.3	49	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CGH-07-2010-196	49	54	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CGH-07-2010-196	54	61	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CGH-07-2010-196	61	65	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
CGH-07-2010-196	65	79	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
CGH-07-2010-196	79	82.5	0.5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CGH-07-2010-196	82.5	88	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
CGH-07-2010-196	88	117	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
CGH-07-2010-196	117	122	2	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0
CGH-07-2010-196	122	129	1	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0
CGH-07-2010-196	129	136	1	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0
CGH-07-2010-196	136	150	0.3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CGH-07-2010-196	150	162.5	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
CGH-07-2010-196	162.5	178	1	1	0	1	0.1	0	0	1	0	0	0	0	0	0	0	0
CGH-07-2010-196	178	179	2	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0
CGH-07-2010-196	179	189	1	1	0	1	0.1	0	0	1	0	0	0	0	0	0	0	0
CGH-07-2010-196	189	225	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
CGH-07-2010-196	225	227	1	1	0	1	0	0	0	0	0	0	0	0	0	0	2	0
CGH-07-2010-196	227	236	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
CGH-07-2010-196	236	238	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
CGH-07-2010-196	238	268.22	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
CGH-07-2010-212	24.38	33	2	1	0	1	0.3	1	0	1	0	0	0	0	0	0	0	0
CGH-07-2010-212	33	35	2	2	0	0	0.4	1	0	1	0	0	0	0	0	0	0	0
CGH-07-2010-212	35	42.5	2	1	0	1	0.3	1	0	1	0	0	0	0	0	0	0	0
CGH-07-2010-212	42.5	54	2	2	0	0	0.5	1	0	1	0	0	0	0	0	0	0	0
CGH-07-2010-212	54	59	0.8	0	1	1	0.3	0	1	0	0	0	0	0	0	2	0	0
CGH-07-2010-212	59	62.5	2	2	0	0	0.5	1	0	1	0	0	0	0	0	0	0	0
CGH-07-2010-212	62.5	77.5	0.3	1	1	0	0.3	1	2	2	0.2	2	0	0	0	0	0	0
CGH-07-2010-212	77.5	105	0.5	1	1	1	1.5	1	1	2	0	0	0	0	0	0	0	0
CGH-07-2010-212	105	107	0.5	1	0	0	0.2	1	0	1	0	0	0	0	0	0	0	0
CGH-07-2010-212	107	113	0.5	1	1	1	1.5	1	1	2	0	0	0	0	0	0	0	0
CGH-07-2010-212	113	115	0.8	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
CGH-07-2010-212	115	141	0.5	1	1	1	1.5	1	1	2	0	0	0	0	0	0	0	0
CGH-07-2010-212	141	150	0.8	1	2	2	2	1	1	2	0	0	0	0	0	0	0	0
CGH-07-2010-212	150	152	0.7	1	2	2	2	1	1	2	0	0	0	0	0	0	0	0
CGH-07-2010-212	152	166	0.5	1	2	2	2	1	1	2	0	0	0	0	0	0	0	0
CGH-07-2010-212	166	170	0.3	1	2	2	1	2	1	2	0	0	0	0	0	0	0	0

2010 Re-logged holes - Sulfides

HOLE_ID	From	To	pyr_pct	pyrD	pyrS	pyrQ	cpy_pct	cpyD	cpyS	cpyQ	bor_pct	borD	borS	borQ	mol	ars	esf	gal
CGH-07-2010-212	170	176	0.5	2	2	2	1	2	1	2	0	0	0	0	0	0	0	0
CGH-07-2010-212	176	221	0.8	1	2	2	2	1	2	0	0	0	0	0	0	0	0	0
CGH-07-2010-212	221	242.5	0.8	1	1	0	0.5	1	1	1	0	0	0	0	0.2	0	0	0
CGH-07-2010-212	242.5	273.1	0.4	1	1	0	0.1	1	0	0	0	0	0	0	0	0	0	0
CGH-07-2010-214	6.1	10	2	1	0	1	0.2	1	0	1	0	0	0	0	0.2	0	0	0
CGH-07-2010-214	10	123	2	1	0	1	0.2	1	0	1	0	0	0	0	0	0	0	0
CGH-07-2010-214	123	129	1.5	1	0	1	0.2	1	0	1	0	0	0	0	0	0	0	0
CGH-07-2010-214	129	160	1.5	1	0	1	0.2	1	0	1	0	0	0	0	0	0	0	0
CGH-07-2010-214	160	191	1	1	0	1	0.2	1	0	1	0	0	0	0	0	0	0	0
CGH-07-2010-214	191	200	1	1	0	1	0.1	1	0	1	0	0	0	0	0	0	0	0
CGH-07-2010-214	200	206	0.4	1	0	1	0.1	1	0	1	0	0	0	0	0	0	0	0
CGH-07-2010-214	206	219.46	0.5	1	0	1	0.1	0	1	0	0	0	0	0	0	0	0	0
CGH-07-2010-216	11	17	0.3	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
CGH-07-2010-216	17	20	0.3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CGH-07-2010-216	20	22	0.1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CGH-07-2010-216	22	24	0.5	0	0	3	0.1	0	0	1	0	0	0	0	0	0	0	0
CGH-07-2010-216	24	28	0.1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CGH-07-2010-216	28	39	1	1	0	0	0.1	0	0	1	0	0	0	0	0	0	0	0
CGH-07-2010-216	39	45	0.1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CGH-07-2010-216	45	52	0.5	1	0	1	0.2	0	0	1	0	0	0	0	0	0	0	0
CGH-07-2010-216	52	71	0.5	1	0	1	0.3	1	0	1	0.1	1	0	0	0	0	0	0
CGH-07-2010-216	71	80	0.5	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
CGH-07-2010-216	80	85	0.5	1	0	1	0.5	1	0	2	0	0	0	0	0	0	0	0
CGH-07-2010-216	85	93	0.4	1	0	1	0.2	0	0	1	0	0	0	0	0	0	0	0
CGH-07-2010-216	93	101	0.1	1	0	1	0.3	1	0	1	0	0	0	0	0	0	0	0
CGH-07-2010-216	101	103	0.3	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
CGH-07-2010-216	103	116	1	1	1	0	0.2	1	0	0	0	0	0	0	0	0	0	0
CGH-07-2010-216	116	125	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CGH-07-2010-216	125	130	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
CGH-07-2010-216	130	138	0.5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CGH-07-2010-216	138	140	0.5	1	0	0	0	0	0	0	0.5	0	0	1	0	0	0	0
CGH-07-2010-216	140	145	0.5	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
CGH-07-2010-216	145	147	0.5	1	0	1	0.3	0	0	2	0	0	0	0	0	0	0	0
CGH-07-2010-216	147	150	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CGH-07-2010-216	150	153	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CGH-07-2010-216	153	162	0.5	0	0	1	0.1	0	0	1	0	0	0	0	0	0	0	0
CGH-07-2010-216	162	165	0.5	0	0	1	0.2	0	0	1	0	0	0	0	0	0	0	0
CGH-07-2010-216	165	180	0.5	0	0	1	0.1	0	0	1	0	0	0	0	0	0	0	0

2010 Re-logged holes - Sulfides

HOLE_ID	From	To	pyr_pct	pyrD	pyrS	pyrQ	cpy_pct	cpyD	cpyS	cpyQ	bor_pct	borD	borS	borQ	mol	ars	esf	gal
CGH-07-2010-216	180	185	0.3	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
CGH-07-2010-216	185	192.02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CGH-07-2010-147	36.58	49	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CGH-07-2010-147	49	75	0.1	1	0	1	0.1	0	0	1	0	0	0	0	0	0	0	0
CGH-07-2010-147	75	93	0.1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
CGH-07-2010-147	93	97.54	0.2	1	0	1	0.1	0	0	1	0	0	0	0	0	0	0	0
CGH-05-2010-039	44.8	52	2	1	0	1	0.2	1	0	1	0	0	0	0	0	0	0	0
CGH-05-2010-039	52	63	2	1	0	1	0.3	1	0	1	0	0	0	0	0	0	0	0
CGH-05-2010-039	63	97	1	1	0	1	0.2	1	0	1	0	0	0	0	0	1	0	0
CGH-05-2010-039	97	100	1	1	0	1	0.1	1	0	1	0	0	0	0	0	0	0	0
CGH-05-2010-039	100	119	2	1	0	1	0.2	1	0	1	0.1	1	0	0	0	0	0	0
CGH-05-2010-039	119	136	0.5	1	0	1	0.1	1	0	0	0	0	0	0	0	0	0	0
CGH-05-2010-039	136	139.5	0.5	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
CGH-05-2010-039	139.5	158.5	1	1	0	1	0.1	1	0	1	0	0	0	0	0	0	0	0
CGH-05-2010-039	158.5	162	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
CGH-05-2010-039	162	164	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
CGH-05-2010-039	164	179.5	1	1	0	1	0.1	1	0	1	0	0	0	0	0	0	0	0
CGH-05-2010-039	179.5	188	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
CGH-05-2010-039	188	192	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
CGH-05-2010-039	192	212	1	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0
CGH-05-2010-039	212	214	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
CGH-05-2010-039	214	217	1	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0
CGH-05-2010-039	217	224.63	0.5	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
CGH-07-2010-143	50.27	77	1	0	0	1	0.2	1	0	1	0	0	0	0	0	0	0	0
CGH-07-2010-143	77	95	0.1	0	0	1	0.2	1	0	1	0	0	0	0	0	0	0	0
CGH-07-2010-143	95	122	0.3	0	0	1	0.2	1	0	1	0	0	0	0	0	0	0	0
CGH-07-2010-143	122	128.5	0.2	1	0	1	0.1	0	0	1	0	0	0	0	0	0	0	0
CGH-07-2010-143	128.5	141.75	0.1	1	0	1	0.1	0	0	1	0	0	0	0	0	0	0	0
CGH-07-2010-143	141.75	154	0.2	1	0	1	0.1	0	0	1	0	0	0	0	0	0	0	0
CGH-07-2010-143	154	161.54	0.2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CGH-06-2010-132	30.48	33	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CGH-06-2010-132	33	40	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CGH-06-2010-132	40	44	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CGH-06-2010-132	44	61	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CGH-06-2010-132	61	65	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CGH-06-2010-132	65	76	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
CGH-06-2010-132	76	117	2	1	0	1	0.01	0	0	0	0	0	0	0	0	0	0	0
CGH-06-2010-132	117	121.08	1.5	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0

2010 Re-logged holes - Sulfides

HOLE_ID	From	To	pyr_pct	pyrD	pyrS	pyrQ	cpy_pct	cpyD	cpyS	cpyQ	bor_pct	borD	borS	borQ	mol	ars	esf	gal
CGH-06-2010-096	36.5	56	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
CGH-06-2010-096	56	58	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
CGH-06-2010-096	58	73	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
CGH-06-2010-096	73	76	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
CGH-06-2010-096	76	91	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
CGH-06-2010-096	91	96	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
CGH-06-2010-096	96	122	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
CGH-06-2010-096	122	124	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CGH-06-2010-096	124	142	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
CGH-06-2010-096	142	148	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
CGH-06-2010-096	148	182	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
CGH-06-2010-096	182	191	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
CGH-06-2010-096	191	193	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
CGH-06-2010-096	193	197	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CGH-06-2010-096	197	200	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
CGH-06-2010-096	200	230	2	2	0	1	0.01	0	0	0	0	0	0	0	0	0	0	0
CGH-06-2010-096	230	232	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CGH-06-2010-096	232	256.03	2	2	0	1	0.01	0	0	0	0	0	0	0	0	0	0	0
CGH-07-2010-173	19	30	2	1	0	1	0.1	1	0	1	0	0	0	0	0	0	0	0
CGH-07-2010-173	30	73	2	1	0	1	0.1	1	0	1	0	0	0	0	0	0	0	0
CGH-07-2010-173	73	82.3	2	1	0	1	0.1	1	0	1	0	0	0	0	0	0	0	0
CGH-07-2010-173	82.3	87	2	1	0	1	0.1	1	0	1	0	0	0	0	0	0	0	0
CGH-07-2010-173	87	100	2	1	0	1	0.1	1	0	1	0	0	0	0	0	0	0	0
CGH-07-2010-173	100	105	2	1	0	1	0.1	1	0	1	0	0	0	0	0	0	0	0
CGH-07-2010-173	105	132	2	1	0	1	0.2	1	0	1	0.1	1	0	1	0.1	0	0	0
CGH-07-2010-173	132	140.2	0.3	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
CGH-05-2010-025	30	35	2	1	0	1	0.1	1	0	1	0	0	0	0	0	0	0	0
CGH-05-2010-025	35	69	2	1	0	1	0.1	1	0	1	0.1	1	0	1	0	0	0	0
CGH-05-2010-025	69	76	1	2	0	1	0.01	1	0	0	0	0	0	0	0	0	0	0
CGH-05-2010-025	76	81	2	1	0	1	0.1	1	0	1	0.1	1	0	1	0	0	0	0
CGH-05-2010-025	81	105.16	1	2	0	1	0.01	1	0	0	0	0	0	0	0	0	0	0
CGH-05-2010-023	15.2	31	1	1	0	1	0.1	1	0	1	0	0	0	0	0	0	0	0
CGH-05-2010-023	31	100	2	1	0	1	0.2	0	0	1	0	0	0	0	0	0	0	0
CGH-05-2010-023	100	125	2	1	0	1	0.1	1	0	1	0	0	0	0	0	0	0	0
CGH-05-2010-023	125	180	1	1	0	1	0.2	1	0	1	0.1	1	0	1	0.1	0	0	0
CGH-05-2010-023	180	202	1	1	0	1	0.2	1	0	1	0.1	1	0	1	0.1	0	0	0
CGH-05-2010-023	202	212	0.5	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
CGH-05-2010-023	212	214	1	1	0	1	0.1	1	0	1	0	0	0	0	0	0	0	0

2010 Re-logged holes - Sulfides

HOLE_ID	From	To	pyr_pct	pyrD	pyrS	pyrQ	cpy_pct	cpyD	cpyS	cpyQ	bor_pct	borD	borS	borQ	mol	ars	esf	gal
CGH-05-2010-023	214	215	0.5	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
CGH-05-2010-023	215	247.8	1	1	0	1	0.1	1	0	1	0	0	0	0	0	0	0	0
CGH-06-2010-130	29	64	2	2	0	1	0.1	2	0	1	0	0	0	0	0	0	0	0
CGH-06-2010-130	64	65	2	2	0	1	0.1	2	0	1	0	0	0	0	0	0	0	0
CGH-06-2010-130	65	73	2	2	0	1	0.1	2	0	1	0	0	0	0	0	0	0	0
CGH-06-2010-130	73	74	2	2	0	1	0.1	2	0	1	0	0	0	0	0	0	0	0
CGH-06-2010-130	74	100	2	2	0	1	0.1	2	0	1	0	0	0	0	0	0	0	0
CGH-06-2010-130	100	170	2	1	0	1	0.1	1	0	1	0.1	1	0	1	0	0	0	0
CGH-06-2010-130	170	178	2	1	0	1	0.1	1	0	1	0.1	1	0	1	0	0	0	0
CGH-06-2010-130	178	196	2	1	0	1	0.1	1	0	1	0.1	1	0	1	0	0	0	0
CGH-06-2010-130	196	200	2	1	0	1	0.1	1	0	1	0.1	1	0	1	0	0	0	0
CGH-06-2010-130	200	234	2	1	0	1	0.1	1	0	1	0.01	1	0	1	0	0	0	0
CGH-06-2010-130	234	239	2	1	0	1	0.1	1	0	1	0.01	1	0	1	0	0	0	0
CGH-06-2010-130	239	247	2	1	0	1	0.1	1	0	1	0.01	1	0	1	0	0	0	0
CGH-06-2010-130	247	253	2	1	0	1	0.1	1	0	1	0.01	1	0	1	0	0	0	0
CGH-06-2010-130	253	260	2	1	0	1	0.1	1	0	1	0.01	1	0	1	0	0	0	0
CGH-06-2010-130	260	270	2	1	0	1	0.1	1	0	1	0.01	1	0	1	0	0	0	0
CGH-06-2010-130	270	283.46	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
CGH-06-2010-133	42.67	53	2	1	0	1	0.2	1	0	1	0	0	0	0	0	0	0	0
CGH-06-2010-133	53	54.8	2	1	0	1	0.1	1	0	1	0	0	0	0	0	0	0	0
CGH-06-2010-133	54.8	74.5	2	1	0	1	0.2	1	0	1	0	0	0	0	0	0	0	0
CGH-06-2010-133	74.5	76	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CGH-06-2010-133	76	79	2	1	0	1	0.2	1	0	1	0	0	0	0	0	0	0	0
CGH-06-2010-133	79	81	2	1	0	1	0.8	1	0	1	0.3	1	0	1	0	0	0	0
CGH-06-2010-133	81	84	2	1	0	1	0.2	1	0	1	0	0	0	0	0	0	0	0
CGH-06-2010-133	84	89	2	1	0	1	0.1	1	0	1	0	0	0	0	0	0	0	0
CGH-06-2010-133	89	106.68	2	1	0	1	0.1	1	0	1	0	0	0	0	0.1	0	0	0
CGH-05-2010-036	12.19	35.35	0.1	-9	-9	-9	0.1	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9
CGH-05-2010-036	35.35	35.7	0.2	-9	-9	-9	0.1	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9
CGH-05-2010-036	35.7	81.65	0.1	-9	-9	-9	0.1	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9
CGH-05-2010-036	81.65	111.99	0.2	-9	-9	-9	0.1	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9
CGH-05-2010-036	111.99	113.88	0.2	-9	-9	-9	0.1	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9
CGH-05-2010-036	113.88	143.68	0.5	-9	-9	-9	0.3	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9
CGH-05-2010-036	143.68	149.08	1	-9	-9	-9	0.5	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9
CGH-05-2010-036	149.08	152.72	0.1	-9	-9	-9	0.1	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9
CGH-05-2010-036	152.72	157.14	1	-9	-9	-9	0.3	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9
CGH-05-2010-036	157.14	214.08	0.2	-9	-9	-9	0.3	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9
CGH-05-2010-036	214.08	241.95	0.1	-9	-9	-9	0.1	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9

2010 Re-logged holes - Sulfides

HOLE_ID	From	To	pyr_pct	pyrD	pyrS	pyrQ	cpy_pct	cpyD	cpyS	cpyQ	bor_pct	borD	borS	borQ	mol	ars	esf	gal
CGH-05-2010-036	241.95	274.26	0.5	-9	-9	-9	0.3	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9
CGH-05-2010-036	274.26	305.64	0.2	-9	-9	-9	0.5	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9
CGH-05-2010-036	305.64	338.86	0.3	-9	-9	-9	0.7	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9
CGH-05-2010-036	338.86	410.56	0.1	-9	-9	-9	0.1	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9

Appendix XVII:

2010 Geological Logging data for historical re-logging of drill core: Alteration

Teck 2010 Re-logged holes - Alteration Minerals

HOLE_ID	FROM	TO	ksp	mag	hem	bio	chl	epi	ser	cly	cal	ank	dol	anh	gra	gyp	tou	qtzVein	qtzStw
CGH-05-2010-022	47	62.9	2	2	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1
CGH-05-2010-022	62.9	68	3	1	0	0	0	0	0	0	1	0	0	0	0	0	0	2	2
CGH-05-2010-022	68	72	2	1	0	0	0	0	0	0	1	0	0	0	0	0	0	2	1
CGH-05-2010-022	49.8	59.3	2	1	0	0	1	0	1	0	1	0	0	0	0	0	0	1	1
CGH-05-2010-022	59.3	65	1	2	0	0	2	0	2	0	1	0	0	0	0	0	1	1	1
CGH-05-2010-022	65	75	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1
CGH-05-2010-022	47.3	56	2	1	0	0	2	0	2	0	0	0	0	0	0	0	0	1	1
CGH-05-2010-022	56	75	1	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	2
CGH-05-2010-022	75	88	3	0	1	0	2	0	2	0	0	0	0	0	0	0	0	0	2
CGH-05-2010-022	88	118	1	1	1	0	1	0	0	0	2	0	0	0	0	0	0	0	1
CGH-05-2010-022	118	126	1	1	1	2	1	0	2	0	1	0	0	0	0	0	0	1	1
CGH-05-2010-022	126	127	0	0	0	2	1	0	2	0	1	0	0	0	3	0	0	1	1
CGH-05-2010-022	127	140	1	1	1	1	2	0	2	0	1	0	0	0	0	0	0	0	1
CGH-05-2010-022	140	150	1	1	0	1	1	0	2	0	1	0	0	0	0	0	0	0	1
CGH-05-2010-022	150	156	0	0	0	0	2	0	2	0	1	1	0	0	0	0	0	0	0
CGH-05-2010-022	156	157	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0
CGH-05-2010-022	157	175	1	0	0	0	2	0	2	0	1	1	0	0	0	0	0	0	1
CGH-05-2010-022	175	177	0	0	0	0	0	0	1	0	0	0	0	0	0	0	3	0	1
CGH-05-2010-022	177	181.3	1	0	0	0	3	0	2	0	0	0	0	0	0	0	0	0	1
CGH-05-2010-024	5	12	1	0	0	0	2	0	2	0	1	0	0	0	0	0	0	1	0
CGH-05-2010-024	12	51	1	0	0	0	2	0	2	0	1	0	0	0	0	0	0	1	0
CGH-05-2010-024	51	65	1	0	0	0	1	0	0	0	2	0	0	0	0	0	0	0	0
CGH-05-2010-024	65	67	2	1	0	1	1	2	0	0	1	0	0	0	0	0	0	0	0
CGH-05-2010-024	67	85	1	0	0	1	1	0	1	0	1	0	0	0	0	0	0	0	1
CGH-05-2010-024	85	91	0	0	0	0	0	0	1	0	2	0	0	0	0	0	0	0	1
CGH-05-2010-024	91	97	1	0	0	0	0	0	2	0	0	0	0	0	0	0	0	1	0
CGH-05-2010-024	97	134	1	1	1	0	2	0	1	0	1	0	0	0	0	0	0	0	1
CGH-05-2010-024	134	138	1	0	1	1	1	0	2	0	1	0	0	0	0	0	0	0	1
CGH-05-2010-024	138	152	1	0	1	0	2	0	1	0	1	0	0	0	0	0	0	0	1
CGH-05-2010-024	152	154	2	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	1
CGH-05-2010-024	154	182	1	1	1	0	2	0	1	0	2	0	0	0	0	0	0	0	0
CGH-05-2010-024	182	184	1	1	0	0	2	0	0	0	1	0	0	0	0	0	0	0	1
CGH-05-2010-024	184	200	1	1	1	0	2	0	0	0	2	0	0	0	0	0	0	0	0
CGH-05-2010-024	200	212	1	1	0	0	2	0	0	0	1	0	0	0	0	0	0	0	0
CGH-05-2010-024	212	214	0	0	0	0	1	0	2	0	0	1	0	0	0	0	0	2	0
CGH-05-2010-024	214	224	1	1	0	0	2	0	0	0	1	0	0	0	0	0	0	0	0
CGH-05-2010-024	224	230	1	1	0	0	2	0	0	0	1	0	0	0	0	0	0	0	2
CGH-05-2010-024	230	252	1	1	0	0	3	0	1	0	1	0	0	0	0	0	0	1	1

Teck 2010 Re-logged holes - Alteration Minerals

HOLE_ID	FROM	TO	ksp	mag	hem	bio	chl	epi	ser	cly	cal	ank	dol	anh	gra	gyp	tou	qtzVein	qtzStw
CGH-05-2010-024	252	268	1	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	1
CGH-05-2010-024	268	270	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1
CGH-05-2010-024	270	293	1	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	1
CGH-05-2010-024	293	307.5	2	0	0	0	1	0	2	0	0	0	0	0	0	0	0	0	1
CGH-05-2010-024	307.5	312	1	0	0	0	1	0	2	0	0	0	0	0	0	0	0	0	1
CGH-05-2010-024	312	315	2	0	0	0	1	0	2	0	0	0	0	0	0	0	0	0	1
CGH-05-2010-024	315	334	1	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	1
CGH-05-2010-024	334	337	2	0	0	0	1	0	2	0	0	0	0	0	0	0	0	0	1
CGH-05-2010-024	337	343	1	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	1
CGH-05-2010-024	343	345.94	1	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	1
CGH-06-2010-108	6.1	17	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0
CGH-06-2010-108	17	18.5	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	1	0
CGH-06-2010-108	18.5	30	0	0	0	0	1	0	0	0	2	0	0	0	0	0	0	0	0
CGH-06-2010-108	30	46	1	1	0	0	2	0	0	0	2	0	0	0	0	0	0	1	0
CGH-06-2010-108	46	66	1	0	0	0	2	0	0	0	2	0	0	0	0	0	0	0	1
CGH-06-2010-108	66	68	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0
CGH-06-2010-108	68	96	1	0	0	0	2	0	0	0	2	0	0	0	0	0	0	0	1
CGH-06-2010-108	96	100	1	0	0	0	1	0	0	0	2	0	0	0	0	0	0	0	1
CGH-06-2010-108	100	138	1	0	0	0	2	0	0	1	0	0	0	0	0	0	0	0	1
CGH-06-2010-108	138	146	1	0	0	0	2	0	0	1	0	0	0	0	0	0	0	1	2
CGH-06-2010-108	146	170	1	0	0	0	2	0	0	1	0	0	0	0	0	0	0	0	1
CGH-06-2010-108	170	175	2	1	1	0	1	0	1	1	1	0	0	0	0	0	0	0	1
CGH-06-2010-108	175	200	2	0	0	0	2	0	1	1	2	0	0	0	0	0	0	1	2
CGH-06-2010-108	200	222.5	2	2	0	0	1	0	0	0	2	0	0	0	0	0	0	0	1
CGH-06-2010-108	222.5	236	1	0	0	0	3	0	0	1	2	0	0	0	0	0	0	0	1
CGH-06-2010-108	236	257	1	0	0	0	3	0	0	1	3	0	0	0	0	0	0	0	1
CGH-06-2010-108	257	300	1	0	0	0	3	0	0	1	2	0	0	0	0	0	0	0	1
CGH-06-2010-108	300	327	2	2	1	0	2	0	0	0	1	0	0	0	0	0	0	0	1
CGH-06-2010-108	327	331	2	2	1	0	2	1	0	0	1	0	0	0	0	0	0	0	1
CGH-06-2010-108	331	349	2	2	1	0	2	0	0	0	1	0	0	0	0	0	0	0	1
CGH-06-2010-108	349	363	1	0	0	0	1	0	3	2	0	0	0	0	0	0	0	2	2
CGH-06-2010-108	363	369	0	0	0	1	0	0	1	2	0	0	0	0	0	0	0	1	1
CGH-06-2010-108	369	375	1	0	0	0	1	0	3	2	0	0	0	0	0	0	0	2	2
CGH-06-2010-108	375	386	0	0	0	1	0	0	1	2	0	0	0	0	0	0	0	1	1
CGH-06-2010-108	386	392	1	0	0	0	1	0	3	2	0	0	0	0	0	0	0	2	2
CGH-06-2010-108	392	396	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	1	1
CGH-06-2010-108	396	400	1	1	0	1	2	0	2	1	0	0	0	0	0	0	0	2	1
CGH-06-2010-108	400	431	0	1	1	1	2	0	3	1	0	0	0	0	0	0	0	2	2

Teck 2010 Re-logged holes - Alteration Minerals

HOLE_ID	FROM	TO	ksp	mag	hem	bio	chl	epi	ser	cly	cal	ank	dol	anh	gra	gyp	tou	qtzVein	qtzStw
CGH-06-2010-108	431	439.42	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	1
CGH-07-2010-196	33.3	49	0	0	0	0	2	0	1	2	1	0	0	0	0	0	0	0	0
CGH-07-2010-196	49	54	0	0	0	0	2	0	1	2	1	1	0	0	0	0	0	0	0
CGH-07-2010-196	54	61	0	0	0	0	2	0	1	2	1	0	0	0	0	0	0	0	0
CGH-07-2010-196	61	65	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0
CGH-07-2010-196	65	79	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0
CGH-07-2010-196	79	82.5	0	1	0	0	2	0	0	1	0	0	0	0	0	0	0	0	0
CGH-07-2010-196	82.5	88	0	0	0	0	1	0	1	2	0	0	0	0	0	0	0	0	0
CGH-07-2010-196	88	117	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0
CGH-07-2010-196	117	122	1	0	0	0	2	1	1	2	0	0	0	0	0	0	2	0	1
CGH-07-2010-196	122	129	2	0	0	0	1	1	0	0	1	0	0	0	0	0	2	0	1
CGH-07-2010-196	129	136	2	0	0	0	1	1	0	1	1	0	0	0	0	0	1	0	1
CGH-07-2010-196	136	150	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	1
CGH-07-2010-196	150	162.5	1	0	0	0	1	1	0	1	1	1	0	0	0	0	1	0	1
CGH-07-2010-196	162.5	178	0	0	0	0	1	1	0	1	2	1	0	0	0	0	2	0	1
CGH-07-2010-196	178	179	1	0	0	0	2	1	1	2	0	0	0	0	0	0	2	0	1
CGH-07-2010-196	179	189	0	0	0	0	1	1	0	1	2	1	0	0	0	0	2	0	1
CGH-07-2010-196	189	225	0	0	0	0	1	0	1	2	1	1	0	0	0	0	0	0	1
CGH-07-2010-196	225	227	0	0	0	0	1	0	1	2	1	1	0	0	0	0	0	0	1
CGH-07-2010-196	227	236	0	0	0	0	1	0	1	2	1	1	0	0	0	0	0	0	1
CGH-07-2010-196	236	238	0	1	0	0	1	0	0	1	1	0	0	0	0	0	0	0	0
CGH-07-2010-196	238	268.22	0	0	0	0	1	0	1	2	1	1	0	0	0	0	0	0	1
CGH-07-2010-212	24.38	33	1	1	0	0	2	0	2	2	0	0	0	0	0	0	0	0	1
CGH-07-2010-212	33	35	2	1	0	0	1	0	2	0	1	0	0	0	0	0	0	0	1
CGH-07-2010-212	35	42.5	1	1	0	0	2	0	1	0	1	0	0	0	0	0	0	0	1
CGH-07-2010-212	42.5	54	1	1	0	0	2	0	1	0	1	0	0	0	0	0	0	0	1
CGH-07-2010-212	54	59	0	0	0	0	2	0	0	0	3	2	2	0	0	0	1	1	0
CGH-07-2010-212	59	62.5	1	1	0	0	2	0	1	0	1	0	0	0	0	0	0	0	1
CGH-07-2010-212	62.5	77.5	1	3	0	2	1	1	1	0	1	1	0	0	0	0	0	1	1
CGH-07-2010-212	77.5	105	2	3	0	2	1	1	2	0	1	0	0	0	0	0	0	2	1
CGH-07-2010-212	105	107	1	1	0	0	0	0	2	0	1	0	0	0	0	0	0	0	1
CGH-07-2010-212	107	113	2	3	0	2	1	1	2	1	0	0	0	0	0	0	0	2	1
CGH-07-2010-212	113	115	0	0	0	0	0	0	0	0	2	2	0	0	0	0	1	2	0
CGH-07-2010-212	115	141	2	2	0	1	1	1	2	0	1	0	0	0	0	0	0	2	1
CGH-07-2010-212	141	150	2	3	0	1	1	2	1	0	2	0	0	0	0	0	0	2	1
CGH-07-2010-212	150	152	3	2	0	0	1	2	2	0	1	0	0	0	0	0	0	2	1
CGH-07-2010-212	152	166	2	3	0	1	1	2	1	0	2	0	0	0	0	0	0	2	1
CGH-07-2010-212	166	170	3	2	0	0	1	2	2	0	1	0	0	0	0	0	0	2	1

Teck 2010 Re-logged holes - Alteration Minerals

HOLE_ID	FROM	TO	ksp	mag	hem	bio	chl	epi	ser	cly	cal	ank	dol	anh	gra	gyp	tou	qtzVein	qtzStw
CGH-07-2010-212	170	176	3	2	0	0	1	2	2	0	1	0	0	0	0	0	0	2	1
CGH-07-2010-212	176	221	1	2	0	2	3	1	2	0	3	0	0	0	0	0	0	2	1
CGH-07-2010-212	221	242.5	1	0	0	0	3	1	2	0	3	0	0	0	0	0	0	1	0
CGH-07-2010-212	242.5	273.1	0	0	0	0	2	1	2	0	0	0	0	0	0	0	0	1	0
CGH-07-2010-214	6.1	10	1	1	1	0	1	0	1	0	2	0	0	0	0	0	0	0	1
CGH-07-2010-214	10	123	1	1	1	0	1	0	1	0	2	0	0	0	0	0	0	0	1
CGH-07-2010-214	123	129	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1
CGH-07-2010-214	129	160	1	1	0	0	2	0	1	2	0	0	0	0	0	0	0	2	1
CGH-07-2010-214	160	191	1	2	0	1	1	0	1	1	1	0	0	0	0	0	0	0	1
CGH-07-2010-214	191	200	1	0	0	0	1	0	2	1	0	0	0	0	0	0	0	0	0
CGH-07-2010-214	200	206	2	1	0	0	1	0	0	0	1	0	0	0	0	0	0	0	1
CGH-07-2010-214	206	219.46	1	1	0	0	1	0	0	0	1	0	0	0	0	0	0	0	1
CGH-07-2010-216	11	17	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	1
CGH-07-2010-216	17	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CGH-07-2010-216	20	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CGH-07-2010-216	22	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0
CGH-07-2010-216	24	28	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
CGH-07-2010-216	28	39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0
CGH-07-2010-216	39	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CGH-07-2010-216	45	52	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1
CGH-07-2010-216	52	71	2	1	0	0	0	0	1	0	0	0	0	0	0	0	0	2	1
CGH-07-2010-216	71	80	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1
CGH-07-2010-216	80	85	2	2	0	0	0	0	0	0	1	0	0	0	0	0	0	2	2
CGH-07-2010-216	85	93	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	2	2
CGH-07-2010-216	93	101	2	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1
CGH-07-2010-216	101	103	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0
CGH-07-2010-216	103	116	1	1	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0
CGH-07-2010-216	116	125	0	0	0	0	0	1	2	0	1	0	0	0	0	0	0	0	0
CGH-07-2010-216	125	130	1	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2	1
CGH-07-2010-216	130	138	1	0	0	0	0	0	2	0	1	0	0	0	0	0	0	1	0
CGH-07-2010-216	138	140	1	0	0	0	0	0	2	0	1	0	0	0	0	0	0	1	0
CGH-07-2010-216	140	145	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0
CGH-07-2010-216	145	147	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0
CGH-07-2010-216	147	150	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
CGH-07-2010-216	150	153	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
CGH-07-2010-216	153	162	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
CGH-07-2010-216	162	165	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CGH-07-2010-216	165	180	1	0	0	0	2	0	1	0	0	0	0	0	0	0	0	1	0

Teck 2010 Re-logged holes - Alteration Minerals

HOLE_ID	FROM	TO	ksp	mag	hem	bio	chl	epi	ser	cly	cal	ank	dol	anh	gra	gyp	tou	qtzVein	qtzStw
CGH-07-2010-216	180	185	1	0	0	0	1	0	1	0	1	0	0	0	0	0	0	1	0
CGH-07-2010-216	185	192.02	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	0
CGH-07-2010-147	36.58	49	0	1	1	0	1	0	2	0	0	0	0	0	0	0	0	1	1
CGH-07-2010-147	49	75	2	0	1	0	1	0	2	0	0	0	0	0	0	0	0	1	0
CGH-07-2010-147	75	93	2	0	1	0	1	0	2	0	1	0	0	0	0	0	0	1	0
CGH-07-2010-147	93	97.54	0	0	1	0	1	0	2	0	1	0	0	0	0	0	0	1	0
CGH-05-2010-039	44.8	52	1	0	0	0	1	0	3	1	0	0	0	0	0	0	0	1	2
CGH-05-2010-039	52	63	2	1	0	0	1	0	1	2	0	0	0	0	0	0	0	1	2
CGH-05-2010-039	63	97	1	1	0	0	1	0	2	0	1	0	0	0	0	0	0	1	1
CGH-05-2010-039	97	100	1	1	0	0	1	0	1	0	1	0	0	0	0	0	0	0	1
CGH-05-2010-039	100	119	1	0	0	0	1	0	1	1	1	0	0	0	0	0	0	0	1
CGH-05-2010-039	119	136	1	0	0	0	1	0	2	1	0	0	0	0	0	0	0	0	1
CGH-05-2010-039	136	139.5	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1
CGH-05-2010-039	139.5	158.5	1	0	1	0	1	0	3	2	0	0	0	0	0	0	0	0	1
CGH-05-2010-039	158.5	162	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0
CGH-05-2010-039	162	164	1	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0
CGH-05-2010-039	164	179.5	0	0	0	0	2	0	1	2	0	0	0	0	0	0	0	0	1
CGH-05-2010-039	179.5	188	0	0	0	0	1	0	0	1	1	0	0	0	0	0	0	0	0
CGH-05-2010-039	188	192	2	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	1
CGH-05-2010-039	192	212	1	1	1	0	2	1	1	1	1	0	0	0	0	0	0	0	1
CGH-05-2010-039	212	214	2	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	1
CGH-05-2010-039	214	217	1	1	1	0	2	1	1	1	1	0	0	0	0	0	0	0	1
CGH-05-2010-039	217	224.63	0	0	0	0	1	0	2	1	1	0	0	0	0	0	0	0	0
CGH-07-2010-143	50.27	77	2	1	0	0	1	0	0	0	0	1	0	0	0	0	0	1	0
CGH-07-2010-143	77	95	1	1	1	0	1	0	0	0	0	1	0	0	0	0	0	1	0
CGH-07-2010-143	95	122	1	1	0	0	1	0	1	0	1	1	0	0	0	0	0	1	0
CGH-07-2010-143	122	128.5	1	1	1	0	1	0	0	0	1	1	0	0	0	0	0	1	0
CGH-07-2010-143	128.5	141.75	0	1	1	0	2	0	0	0	1	1	0	0	0	0	0	1	1
CGH-07-2010-143	141.75	154	1	1	0	0	1	0	1	0	0	1	0	0	0	0	0	1	0
CGH-07-2010-143	154	161.54	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	1
CGH-06-2010-132	30.48	33	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
CGH-06-2010-132	33	40	0	1	1	0	2	0	1	2	1	0	0	0	0	0	0	0	0
CGH-06-2010-132	40	44	0	0	1	0	1	0	1	2	1	0	0	0	0	0	0	0	0
CGH-06-2010-132	44	61	0	1	1	0	2	0	1	2	1	0	0	0	0	0	0	0	0
CGH-06-2010-132	61	65	0	0	1	0	1	0	1	2	1	0	0	0	0	0	0	0	0
CGH-06-2010-132	65	76	0	0	1	0	1	0	1	2	2	0	0	0	0	0	0	0	0
CGH-06-2010-132	76	117	0	0	0	0	1	0	1	3	2	0	0	0	0	0	0	0	1
CGH-06-2010-132	117	121.08	1	1	0	0	1	0	1	1	1	0	0	0	0	0	0	0	1

Teck 2010 Re-logged holes - Alteration Minerals

HOLE_ID	FROM	TO	ksp	mag	hem	bio	chl	epi	ser	cly	cal	ank	dol	anh	gra	gyp	tou	qtzVein	qtzStw
CGH-06-2010-096	36.5	56	1	2	1	1	2	0	1	1	1	0	0	0	0	0	0	0	0
CGH-06-2010-096	56	58	1	2	1	1	2	1	1	1	1	0	0	0	0	0	0	0	0
CGH-06-2010-096	58	73	1	2	1	1	2	0	1	1	1	0	0	0	0	0	0	0	0
CGH-06-2010-096	73	76	2	2	1	1	2	0	1	1	1	0	0	0	0	0	0	0	1
CGH-06-2010-096	76	91	1	2	1	1	2	0	1	1	1	0	0	0	0	0	0	0	1
CGH-06-2010-096	91	96	1	2	1	1	2	0	1	1	1	0	0	0	0	0	0	1	1
CGH-06-2010-096	96	122	1	1	1	1	2	0	1	1	1	0	0	0	0	0	0	0	1
CGH-06-2010-096	122	124	0	1	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0
CGH-06-2010-096	124	142	1	1	1	1	2	0	1	1	1	0	0	0	0	0	0	0	1
CGH-06-2010-096	142	148	2	1	1	0	2	0	1	1	1	1	0	0	0	0	0	2	1
CGH-06-2010-096	148	182	1	1	1	1	2	0	1	1	1	1	0	0	0	0	0	0	1
CGH-06-2010-096	182	191	2	1	1	0	2	0	1	1	1	1	0	0	0	0	0	2	1
CGH-06-2010-096	191	193	1	1	1	1	2	0	1	1	1	1	0	0	0	0	0	0	1
CGH-06-2010-096	193	197	0	0	0	0	1	0	1	2	0	0	0	0	0	0	0	0	0
CGH-06-2010-096	197	200	1	1	1	1	2	0	1	1	1	1	0	0	0	0	0	0	1
CGH-06-2010-096	200	230	1	1	0	0	2	0	1	2	1	1	0	0	0	0	0	0	1
CGH-06-2010-096	230	232	0	0	0	0	2	0	0	0	1	0	0	0	0	0	0	0	0
CGH-06-2010-096	232	256.03	1	1	0	0	2	0	1	2	1	1	0	0	0	0	0	0	1
CGH-07-2010-173	19	30	2	1	0	0	1	0	1	2	1	0	0	0	0	0	0	0	1
CGH-07-2010-173	30	73	0	1	0	0	2	0	2	2	1	0	0	0	0	0	0	0	1
CGH-07-2010-173	73	82.3	1	1	0	0	2	0	2	2	1	0	0	0	0	0	0	0	1
CGH-07-2010-173	82.3	87	0	0	0	0	3	0	2	2	1	0	0	0	0	0	0	0	1
CGH-07-2010-173	87	100	1	1	0	0	3	0	2	2	1	0	0	0	0	0	0	0	1
CGH-07-2010-173	100	105	1	1	0	0	2	0	2	2	1	1	0	0	0	0	0	1	1
CGH-07-2010-173	105	132	3	1	0	0	1	0	1	1	1	1	0	0	0	0	0	0	2
CGH-07-2010-173	132	140.2	0	0	0	1	1	0	1	2	1	1	0	0	1	0	0	0	0
CGH-05-2010-025	30	35	1	0	1	0	1	0	1	2	0	0	0	0	0	0	0	0	1
CGH-05-2010-025	35	69	2	0	1	0	2	0	1	1	1	0	0	0	0	0	0	0	0
CGH-05-2010-025	69	76	1	0	1	0	0	0	1	2	0	1	0	0	0	0	0	0	1
CGH-05-2010-025	76	81	2	0	1	0	2	0	1	1	1	0	0	0	0	0	0	0	0
CGH-05-2010-025	81	105.16	1	0	1	0	0	0	1	2	0	1	0	0	0	0	0	0	1
CGH-05-2010-023	15.2	31	0	1	0	0	1	0	0	1	1	0	0	0	0	0	0	0	0
CGH-05-2010-023	31	100	2	1	0	1	2	0	1	1	1	0	0	0	0	0	0	0	1
CGH-05-2010-023	100	125	1	0	0	0	2	0	2	1	1	0	0	0	0	0	0	0	1
CGH-05-2010-023	125	180	1	0	0	0	2	0	2	2	2	0	0	0	0	0	0	0	1
CGH-05-2010-023	180	202	3	0	0	0	2	0	2	2	2	0	0	0	0	0	0	0	1
CGH-05-2010-023	202	212	0	0	0	0	1	0	1	2	1	1	0	0	0	0	0	0	1
CGH-05-2010-023	212	214	0	1	0	0	2	0	0	1	1	0	0	0	0	0	1	0	1

Teck 2010 Re-logged holes - Alteration Minerals

HOLE_ID	FROM	TO	ksp	mag	hem	bio	chl	epi	ser	cly	cal	ank	dol	anh	gra	gyp	tou	qtzVein	qtzStw
CGH-05-2010-023	214	215	0	0	0	0	1	0	1	2	1	1	0	0	0	0	0	0	1
CGH-05-2010-023	215	247.8	0	1	0	0	2	0	0	1	1	0	0	0	0	0	1	0	1
CGH-06-2010-130	29	64	1	0	0	0	0	0	3	1	0	2	0	0	0	0	0	0	2
CGH-06-2010-130	64	65	1	0	0	0	0	0	3	1	0	2	0	0	0	0	1	0	2
CGH-06-2010-130	65	73	1	0	0	0	0	0	3	1	0	2	0	0	0	0	0	0	2
CGH-06-2010-130	73	74	1	0	0	0	0	0	3	1	0	2	0	0	2	0	0	0	2
CGH-06-2010-130	74	100	1	0	0	0	0	0	3	1	0	2	0	0	0	0	0	0	2
CGH-06-2010-130	100	170	0	0	0	0	0	0	3	1	1	2	0	1	0	0	0	0	2
CGH-06-2010-130	170	178	0	0	0	0	0	0	3	1	1	2	0	1	0	0	1	0	2
CGH-06-2010-130	178	196	0	0	0	0	0	0	3	1	1	2	0	1	0	0	0	0	2
CGH-06-2010-130	196	200	0	0	0	0	0	0	3	1	1	2	0	1	1	0	0	0	2
CGH-06-2010-130	200	234	0	0	0	0	0	0	2	1	1	2	0	0	0	0	0	0	1
CGH-06-2010-130	234	239	0	0	0	0	0	0	2	1	1	2	0	0	0	0	2	0	1
CGH-06-2010-130	239	247	0	0	0	0	0	0	2	1	1	2	0	0	0	0	0	0	1
CGH-06-2010-130	247	253	0	0	0	0	0	0	2	1	1	2	0	0	0	0	2	0	1
CGH-06-2010-130	253	260	0	0	0	0	0	0	2	1	1	2	0	0	0	0	0	0	1
CGH-06-2010-130	260	270	0	0	0	0	0	0	2	2	1	2	0	0	0	0	0	0	1
CGH-06-2010-130	270	283.46	1	0	0	0	1	0	1	1	1	1	0	0	0	0	0	0	0
CGH-06-2010-133	42.67	53	0	0	1	0	0	0	2	1	1	0	0	0	0	0	0	0	1
CGH-06-2010-133	53	54.8	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1
CGH-06-2010-133	54.8	74.5	1	1	1	0	1	0	2	1	1	0	0	0	0	0	0	0	2
CGH-06-2010-133	74.5	76	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
CGH-06-2010-133	76	79	1	1	1	0	0	0	3	1	0	0	0	0	0	0	0	0	1
CGH-06-2010-133	79	81	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CGH-06-2010-133	81	84	1	1	1	0	0	0	3	1	0	0	0	0	0	0	0	0	1
CGH-06-2010-133	84	89	1	1	1	0	0	0	3	1	0	0	0	0	0	0	0	0	1
CGH-06-2010-133	89	106.68	1	1	1	0	0	0	2	1	0	0	0	0	0	0	0	0	1

Appendix XVIII:

Table of spectral data point descriptions and geochemistry

Company	Sample ID_Depth Downhole	Drill Hole	Min1 sTSAS	Wt_1 sTSAS	Min2 sTSAS	Wt_2 sTSAS	Relative Error sTSAS
CGH	05-022.048	CGH_05-022	Illitic Muscovite	0.698	Dickite	0.302	111.53
CGH	05-022.050	CGH_05-022	Dickite	0.598	Illitic Muscovite	0.402	93.011
CGH	05-022.051	CGH_05-022	Illitic Muscovite	0.556	Dickite	0.444	69.371
CGH	05-022.052	CGH_05-022	Illitic Muscovite	0.648	Kaolinite WX	0.352	87.305
CGH	05-022.053	CGH_05-022	Illitic Muscovite	0.645	Kaolinite WX	0.355	112.47
CGH	05-022.054	CGH_05-022	Kaolinite WX	0.676	Muscovite	0.324	73.497
CGH	05-022.055	CGH_05-022	Illitic Muscovite	0.525	Montmorillonite	0.475	68.037
CGH	05-022.057	CGH_05-022	Illitic Muscovite	0.581	Kaolinite WX	0.419	76.951
CGH	05-022.058	CGH_05-022	Kaolinite WX	0.667	Illitic Muscovite	0.333	143.2
CGH	05-022.060	CGH_05-022	Muscovite	0.684	Siderite	0.316	59.218
CGH	05-022.061	CGH_05-022	Siderite	0.689	Montmorillonite	0.311	36.733
CGH	05-022.062	CGH_05-022	Ankerite	0.564	Muscovite	0.436	92.212
CGH	05-022.063	CGH_05-022	Illitic Muscovite	0.556	Dickite	0.444	77.416
CGH	05-022.064	CGH_05-022	Illitic Muscovite	0.634	Kaolinite WX	0.366	115.21
CGH	05-022.065	CGH_05-022	Illitic Muscovite	0.634	Kaolinite WX	0.366	159.21
CGH	05-022.066	CGH_05-022	Illitic Muscovite	1	NULL	NULL	125.75
CGH	05-022.067	CGH_05-022	Illitic Muscovite	0.617	Dickite	0.383	108.94
CGH	05-022.068	CGH_05-022	Dickite	1	NULL	NULL	219.6
CGH	05-022.069	CGH_05-022	Illitic Muscovite	0.59	Montmorillonite	0.41	61.237
CGH	05-022.070	CGH_05-022	Illitic Muscovite	0.533	Montmorillonite	0.467	58.565
CGH	05-022.071	CGH_05-022	Dickite	0.567	Montmorillonite	0.433	56.492
CGH	05-022.072	CGH_05-022	Illitic Muscovite	0.602	Montmorillonite	0.398	51.453
CGH	05-022B.050	CGH_05-022B	Muscovite	0.805	Gypsum	0.195	213.4
CGH	05-022B.051	CGH_05-022B	Montmorillonite	0.64	Kaolinite PX	0.36	108.53
CGH	05-022B.052	CGH_05-022B	Montmorillonite	0.679	Dickite	0.321	120.71
CGH	05-022B.053	CGH_05-022B	Illitic Muscovite	0.535	Montmorillonite	0.465	67.519
CGH	05-022B.054	CGH_05-022B	Kaolinite WX	0.612	Montmorillonite	0.388	35.881
CGH	05-022B.055	CGH_05-022B	Kaolinite WX	0.565	Illitic Muscovite	0.435	69.051
CGH	05-022B.056	CGH_05-022B	Illitic Muscovite	0.563	Montmorillonite	0.437	88.067
CGH	05-022B.057	CGH_05-022B	Illitic Muscovite	0.596	Montmorillonite	0.404	57.273
CGH	05-022B.058	CGH_05-022B	Illitic Muscovite	0.752	Montmorillonite	0.248	43.073
CGH	05-022B.059	CGH_05-022B	Illitic Muscovite	0.682	Kaolinite PX	0.318	216
CGH	05-022B.060	CGH_05-022B	Illitic Muscovite	0.603	Kaolinite WX	0.397	68.654
CGH	05-022B.061	CGH_05-022B	Montmorillonite	0.733	Epidote	0.267	247.09
CGH	05-022B.062	CGH_05-022B	Illitic Muscovite	0.598	Montmorillonite	0.402	83.159
CGH	05-022B.063	CGH_05-022B	Illitic Muscovite	0.574	Montmorillonite	0.426	51.782
CGH	05-022B.064	CGH_05-022B	Kaolinite WX	0.602	Muscovite	0.398	100.07
CGH	05-022B.065	CGH_05-022B	Illitic Muscovite	1	NULL	NULL	77.608
CGH	05-022B.066	CGH_05-022B	Kaolinite WX	0.715	Siderite	0.285	79.167
CGH	05-022B.067	CGH_05-022B	Illitic Muscovite	0.764	Montmorillonite	0.236	64.011
CGH	05-022B.068	CGH_05-022B	Illitic Muscovite	0.53	Dickite	0.47	75.403
CGH	05-022B.069	CGH_05-022B	Illitic Muscovite	0.673	Dickite	0.327	151.11
CGH	05-022B.070	CGH_05-022B	Illitic Muscovite	0.668	Dickite	0.332	149.65
CGH	05-022B.071	CGH_05-022B	Kaolinite WX	0.529	Illitic Muscovite	0.471	69.004
CGH	05-022B.072	CGH_05-022B	Illitic Phengite	0.676	Kaolinite PX	0.324	105.13
CGH	05-022B.073	CGH_05-022B	Kaolinite WX	0.553	Illitic Phengite	0.447	84.492
CGH	05-022B.074	CGH_05-022B	Illitic Muscovite	0.547	Kaolinite WX	0.453	97.757
CGH	05-022B.075	CGH_05-022B	Muscovite	1	NULL	NULL	176.58
CGH	05-022C.047	CGH_05-022C	Illitic Muscovite	0.596	Kaolinite WX	0.404	100.02
CGH	05-022C.048	CGH_05-022C	Illitic Muscovite	0.538	Montmorillonite	0.462	72.198
CGH	05-022C.049	CGH_05-022C	Illitic Muscovite	0.595	Montmorillonite	0.405	60.746

CGH	05-022C.050	CGH_05-022C	Kaolinite WX	0.794	Illitic Muscovite	0.206	42.6
CGH	05-022C.051	CGH_05-022C	Kaolinite WX	0.65	Illitic Muscovite	0.35	52.588
CGH	05-022C.052	CGH_05-022C	Illitic Muscovite	0.511	Kaolinite WX	0.489	71.691
CGH	05-022C.053	CGH_05-022C	Illitic Muscovite	0.579	Kaolinite WX	0.421	79.901
CGH	05-022C.054	CGH_05-022C	Montmorillonite	0.594	Kaolinite PX	0.406	95.81
CGH	05-022C.055	CGH_05-022C	Illitic Muscovite	0.646	Nacrite	0.354	58.144
CGH	05-022C.056	CGH_05-022C	Illitic Muscovite	1	NULL	NULL	74.991
CGH	05-022C.057	CGH_05-022C	Ankerite	0.72	Muscovite	0.28	38.353
CGH	05-022C.060	CGH_05-022C	Kaolinite PX	1	NULL	NULL	309.9
CGH	05-022C.061	CGH_05-022C	Muscovite	0.681	Montmorillonite	0.319	81.447
CGH	05-022C.062	CGH_05-022C	Illitic Muscovite	0.703	Kaolinite PX	0.297	126.76
CGH	05-022C.063	CGH_05-022C	FeChlorite	0.594	Kaolinite PX	0.406	123.07
CGH	05-022C.064	CGH_05-022C	Illitic Muscovite	0.679	Montmorillonite	0.321	54.611
CGH	05-022C.065	CGH_05-022C	Illitic Muscovite	0.652	Montmorillonite	0.348	49.585
CGH	05-022C.066	CGH_05-022C	Muscovite	1	NULL	NULL	102.26
CGH	05-022C.067	CGH_05-022C	Kaolinite WX	0.549	Montmorillonite	0.451	45.345
CGH	05-022C.069	CGH_05-022C	Kaolinite WX	0.664	Montmorillonite	0.336	45.783
CGH	05-022C.070	CGH_05-022C	Kaolinite WX	0.511	Illitic Muscovite	0.489	63.901
CGH	05-022C.071	CGH_05-022C	Illitic Muscovite	0.618	Kaolinite WX	0.382	82.178
CGH	05-022C.072	CGH_05-022C	Illitic Muscovite	0.664	Montmorillonite	0.336	78.365
CGH	05-022C.073	CGH_05-022C	Ankerite	0.82	Muscovite	0.18	25.615
CGH	05-022C.074	CGH_05-022C	Illitic Muscovite	0.621	Kaolinite PX	0.379	135.93
CGH	05-022C.075	CGH_05-022C	Illitic Muscovite	0.552	Montmorillonite	0.448	75.117
CGH	05-022C.076	CGH_05-022C	Kaolinite WX	0.589	Illitic Muscovite	0.411	48.192
CGH	05-022C.077	CGH_05-022C	Illitic Muscovite	0.733	Dickite	0.267	189.66
CGH	05-022C.078	CGH_05-022C	Dickite	0.564	Illitic Muscovite	0.436	125.68
CGH	05-022C.079	CGH_05-022C	Kaolinite WX	0.589	Illitic Muscovite	0.411	59.779
CGH	05-022C.080	CGH_05-022C	Montmorillonite	0.508	Illitic Muscovite	0.492	75.899
CGH	05-022C.081	CGH_05-022C	Dickite	0.815	Muscovite	0.185	40.123
CGH	05-022C.082	CGH_05-022C	Kaolinite WX	0.715	Illitic Muscovite	0.285	104.4
CGH	05-022C.083	CGH_05-022C	Illitic Muscovite	1	NULL	NULL	73.844
CGH	05-022C.084	CGH_05-022C	Kaolinite WX	0.5	Illitic Muscovite	0.5	128.09
CGH	05-022C.085	CGH_05-022C	Illitic Muscovite	0.682	Montmorillonite	0.318	58.152
CGH	05-022C.086	CGH_05-022C	Illitic Muscovite	0.701	Montmorillonite	0.299	60.709
CGH	05-022C.087	CGH_05-022C	Illitic Muscovite	0.582	Montmorillonite	0.418	50.536
CGH	05-022C.090	CGH_05-022C	FeMgChlorite	0.726	Kaolinite PX	0.274	92.691
CGH	05-022C.092	CGH_05-022C	Illitic Muscovite	1	NULL	NULL	285.45
CGH	05-022C.093	CGH_05-022C	Illitic Muscovite	0.564	Montmorillonite	0.436	201.33
CGH	05-022C.094	CGH_05-022C	FeMgChlorite	0.742	Illitic Muscovite	0.258	60.231
CGH	05-022C.095	CGH_05-022C	FeMgChlorite	0.746	Illitic Muscovite	0.254	11.191
CGH	05-022C.096	CGH_05-022C	FeChlorite	0.684	Phlogopite	0.316	112.4
CGH	05-022C.097	CGH_05-022C	Calcite	0.734	Phlogopite	0.266	183.38
CGH	05-022C.098	CGH_05-022C	Hornblende	0.565	Phlogopite	0.435	170.79
CGH	05-022C.099	CGH_05-022C	FeMgChlorite	0.725	Illitic Phengite	0.275	17.581
CGH	05-022C.100	CGH_05-022C	FeMgChlorite	0.811	Phlogopite	0.189	37.768
CGH	05-022C.102	CGH_05-022C	FeMgChlorite	0.603	Illitic Muscovite	0.397	58.721
CGH	05-022C.103	CGH_05-022C	FeMgChlorite	0.556	Illitic Muscovite	0.444	34.498
CGH	05-022C.105	CGH_05-022C	FeMgChlorite	0.618	Illitic Muscovite	0.382	26.451
CGH	05-022C.108	CGH_05-022C	FeMgChlorite	0.821	Phengite	0.179	37.494
CGH	05-022C.110	CGH_05-022C	FeMgChlorite	1	NULL	NULL	63.771
CGH	05-022C.112	CGH_05-022C	FeMgChlorite	0.656	Calcite	0.344	75.957
CGH	05-022C.113	CGH_05-022C	FeMgChlorite	0.797	Illitic Phengite	0.203	40.295
CGH	05-022C.114	CGH_05-022C	FeMgChlorite	0.567	Illitic Muscovite	0.433	85.717
CGH	05-022C.115	CGH_05-022C	Illitic Phengite	1	NULL	NULL	69.486

CGH	05-022C.117	CGH_05-022C	FeMgChlorite	1	NULL	NULL	109.01
CGH	05-022C.119	CGH_05-022C	FeMgChlorite	0.587	Illitic Muscovite	0.413	95.715
CGH	05-022C.121	CGH_05-022C	Illitic Muscovite	0.536	FeMgChlorite	0.464	110.84
CGH	05-022C.122	CGH_05-022C	Kaolinite WX	0.723	FeChlorite	0.277	28.292
CGH	05-022C.124	CGH_05-022C	Kaolinite WX	0.515	Nacrite	0.485	60.54
CGH	05-022C.125	CGH_05-022C	Illitic Muscovite	0.577	Montmorillonite	0.423	40.972
CGH	05-022C.126	CGH_05-022C	Muscovite	1	NULL	NULL	390.28
CGH	05-022C.127	CGH_05-022C	Illitic Muscovite	1	NULL	NULL	76.303
CGH	05-022C.128	CGH_05-022C	Kaolinite WX	0.685	Montmorillonite	0.315	57.41
CGH	05-022C.129	CGH_05-022C	Kaolinite WX	1	NULL	NULL	58.403
CGH	05-022C.130	CGH_05-022C	Kaolinite PX	0.528	FeMgChlorite	0.472	136.23
CGH	05-022C.131	CGH_05-022C	Illitic Muscovite	0.606	FeMgChlorite	0.394	39.775
CGH	05-022C.133	CGH_05-022C	Illitic Muscovite	0.556	Kaolinite WX	0.444	214.39
CGH	05-022C.135	CGH_05-022C	Illitic Muscovite	0.516	FeMgChlorite	0.484	33.008
CGH	05-022C.136	CGH_05-022C	Illitic Muscovite	0.661	FeMgChlorite	0.339	85.504
CGH	05-022C.137	CGH_05-022C	Illitic Muscovite	0.581	FeMgChlorite	0.419	48.12
CGH	05-022C.139	CGH_05-022C	FeMgChlorite	0.615	Illitic Muscovite	0.385	29.903
CGH	05-022C.140	CGH_05-022C	Illitic Muscovite	0.55	FeMgChlorite	0.45	56.742
CGH	05-022C.141	CGH_05-022C	Illitic Muscovite	1	NULL	NULL	121.23
CGH	05-022C.142	CGH_05-022C	Illitic Muscovite	0.622	Montmorillonite	0.378	86.875
CGH	05-022C.143	CGH_05-022C	Illitic Muscovite	0.606	Kaolinite WX	0.394	98.295
CGH	05-022C.144	CGH_05-022C	Illitic Muscovite	0.569	Kaolinite WX	0.431	104.87
CGH	05-022C.145	CGH_05-022C	Kaolinite WX	0.665	Montmorillonite	0.335	71.112
CGH	05-022C.147	CGH_05-022C	Kaolinite WX	0.565	Ankerite	0.435	132.89
CGH	05-022C.148	CGH_05-022C	Montmorillonite	0.513	Illitic Muscovite	0.487	136.03
CGH	05-022C.149	CGH_05-022C	Kaolinite WX	0.632	Illitic Muscovite	0.368	73.976
CGH	05-022C.150	CGH_05-022C	Kaolinite WX	0.601	Illitic Muscovite	0.399	116.35
CGH	05-022C.151	CGH_05-022C	Illitic Muscovite	0.584	Kaolinite PX	0.416	221.2
CGH	05-022C.152	CGH_05-022C	Illitic Muscovite	0.574	Montmorillonite	0.426	115.86
CGH	05-022C.153	CGH_05-022C	Illitic Muscovite	0.673	Montmorillonite	0.327	52.895
CGH	05-022C.154	CGH_05-022C	Illitic Muscovite	0.632	Kaolinite PX	0.368	172.8
CGH	05-022C.156	CGH_05-022C	Illitic Muscovite	0.584	Montmorillonite	0.416	71.25
CGH	05-022C.157	CGH_05-022C	Illitic Muscovite	0.632	Montmorillonite	0.368	66.255
CGH	05-022C.158	CGH_05-022C	Illitic Muscovite	0.843	Kaolinite PX	0.157	64.695
CGH	05-022C.159	CGH_05-022C	Illitic Muscovite	0.733	Montmorillonite	0.267	38.737
CGH	05-022C.160	CGH_05-022C	Illitic Muscovite	0.753	Montmorillonite	0.247	51.44
CGH	05-022C.161	CGH_05-022C	Illitic Muscovite	0.689	Montmorillonite	0.311	48.179
CGH	05-022C.163	CGH_05-022C	Illitic Muscovite	0.52	Kaolinite PX	0.48	138.94
CGH	05-022C.165	CGH_05-022C	Illitic Muscovite	0.726	Montmorillonite	0.274	30.217
CGH	05-022C.166	CGH_05-022C	Illitic Muscovite	0.756	Montmorillonite	0.244	52.345
CGH	05-022C.168	CGH_05-022C	Illitic Muscovite	0.635	Ankerite	0.365	76.66
CGH	05-022C.170	CGH_05-022C	Illitic Paragonite	0.628	Montmorillonite	0.372	70.974
CGH	05-022C.171	CGH_05-022C	Illitic Muscovite	0.77	Montmorillonite	0.23	39.206
CGH	05-022C.173	CGH_05-022C	Montmorillonite	0.535	Illitic Paragonite	0.465	78.295
CGH	05-022C.174	CGH_05-022C	Illitic Muscovite	0.588	Kaolinite PX	0.412	195.86
CGH	05-022C.175	CGH_05-022C	Illitic Muscovite	0.637	Kaolinite WX	0.363	67.5
CGH	05-022C.176	CGH_05-022C	Illitic Muscovite	0.656	Montmorillonite	0.344	63.404
CGH	05-022C.177	CGH_05-022C	Illitic Muscovite	0.681	Calcite	0.319	92.554
CGH	05-022C.178	CGH_05-022C	Illitic Muscovite	0.733	Kaolinite WX	0.267	110.47
CGH	05-022C.179	CGH_05-022C	Illitic Muscovite	0.625	FeChlorite	0.375	67.26
CGH	05-022C.180	CGH_05-022C	FeMgChlorite	0.562	Illitic Muscovite	0.438	53.995
CGH	05-022C.181	CGH_05-022C	Kaolinite WX	0.629	Illitic Muscovite	0.371	120.19
CGH	05-023.015	CGH_05_023	FeMgChlorite	0.646	Muscovite	0.354	16.83
CGH	05-023.016	CGH_05_023	Montmorillonite	0.606	Kaolinite PX	0.394	229.11

CGH	05-023.017	CGH_05_023	Illitic Muscovite	0.566	Kaolinite WX	0.434	150.75
CGH	05-023.018	CGH_05_023	FeChlorite	0.7	Kaolinite PX	0.3	67.945
CGH	05-023.019	CGH_05_023	Montmorillonite	0.783	Epidote	0.217	122.81
CGH	05-023.020	CGH_05_023	Kaolinite PX	1	NULL	NULL	81.332
CGH	05-023.021	CGH_05_023	FeMgChlorite	1	NULL	NULL	373.65
CGH	05-023.022	CGH_05_023	NULL	NULL	NULL	NULL	NULL
CGH	05-023.023	CGH_05_023	Kaolinite WX	0.803	Illitic Muscovite	0.197	70.282
CGH	05-023.024	CGH_05_023	FeChlorite	0.713	Kaolinite PX	0.287	63.649
CGH	05-023.025	CGH_05_023	Kaolinite WX	0.595	Calcite	0.405	119.28
CGH	05-023.026	CGH_05_023	FeMgChlorite	0.574	Muscovite	0.426	63.214
CGH	05-023.027	CGH_05_023	FeMgChlorite	0.661	Kaolinite PX	0.339	88.931
CGH	05-023.028	CGH_05_023	FeMgChlorite	0.736	Muscovite	0.264	15.739
CGH	05-023.029	CGH_05_023	FeMgChlorite	0.778	Muscovite	0.222	21.28
CGH	05-023.030	CGH_05_023	FeChlorite	0.7	Kaolinite PX	0.3	89.074
CGH	05-023.031	CGH_05_023	Kaolinite WX	0.738	FeMgChlorite	0.262	66.116
CGH	05-023.032	CGH_05_023	Kaolinite WX	0.716	Illitic Muscovite	0.284	61.027
CGH	05-023.033	CGH_05_023	Kaolinite WX	0.794	Paragonite	0.206	104.8
CGH	05-023.034	CGH_05_023	Kaolinite WX	0.575	Illitic Muscovite	0.425	87.768
CGH	05-023.035	CGH_05_023	Illitic Muscovite	0.668	FeMgChlorite	0.332	42.164
CGH	05-023.036	CGH_05_023	Illitic Muscovite	0.699	Montmorillonite	0.301	95.485
CGH	05-023.037	CGH_05_023	Illitic Muscovite	0.699	Montmorillonite	0.301	77.43
CGH	05-023.038	CGH_05_023	Kaolinite WX	0.696	Illitic Muscovite	0.304	88.271
CGH	05-023.039	CGH_05_023	Illitic Muscovite	0.631	Montmorillonite	0.369	122.34
CGH	05-023.040	CGH_05_023	Ankerite	0.697	Muscovite	0.303	60.359
CGH	05-023.041	CGH_05_023	Illitic Muscovite	0.678	Montmorillonite	0.322	67.911
CGH	05-023.042	CGH_05_023	Montmorillonite	0.649	Kaolinite PX	0.351	134.23
CGH	05-023.043	CGH_05_023	Kaolinite WX	0.803	Illitic Paragonite	0.197	71.822
CGH	05-023.044	CGH_05_023	Kaolinite WX	0.748	Montmorillonite	0.252	56.972
CGH	05-023.045	CGH_05_023	Illitic Muscovite	0.683	Kaolinite PX	0.317	138.68
CGH	05-023.046	CGH_05_023	Montmorillonite	0.505	Illitic Muscovite	0.495	151.45
CGH	05-023.047	CGH_05_023	FeMgChlorite	0.511	Illitic Muscovite	0.489	42.31
CGH	05-023.048	CGH_05_023	Kaolinite WX	0.641	Montmorillonite	0.359	54.669
CGH	05-023.049	CGH_05_023	Kaolinite WX	0.648	Illitic Muscovite	0.352	134.2
CGH	05-023.050	CGH_05_023	Kaolinite WX	0.78	Montmorillonite	0.22	43.857
CGH	05-023.051	CGH_05_023	Montmorillonite	0.58	Kaolinite PX	0.42	123.9
CGH	05-023.052	CGH_05_023	Illitic Muscovite	0.681	Montmorillonite	0.319	101.69
CGH	05-023.053	CGH_05_023	Illitic Muscovite	0.693	Calcite	0.307	94.209
CGH	05-023.054	CGH_05_023	Illitic Muscovite	0.541	FeMgChlorite	0.459	61.783
CGH	05-023.055	CGH_05_023	Kaolinite WX	0.585	Montmorillonite	0.415	98.33
CGH	05-023.056	CGH_05_023	Kaolinite WX	0.732	Illitic Paragonite	0.268	97.83
CGH	05-023.057	CGH_05_023	Illitic Muscovite	0.849	Epidote	0.151	112.93
CGH	05-023.058	CGH_05_023	Illitic Muscovite	0.647	Kaolinite PX	0.353	170.8
CGH	05-023.059	CGH_05_023	FeMgChlorite	0.552	Kaolinite PX	0.448	125.89
CGH	05-023.060	CGH_05_023	Kaolinite WX	0.676	Illitic Muscovite	0.324	65.89
CGH	05-023.061	CGH_05_023	FeChlorite	0.548	Kaolinite PX	0.452	84.398
CGH	05-023.062	CGH_05_023	Illitic Muscovite	0.603	Kaolinite WX	0.397	178.82
CGH	05-023.063	CGH_05_023	FeMgChlorite	0.603	Kaolinite PX	0.397	70.79
CGH	05-023.064	CGH_05_023	Kaolinite WX	0.725	Montmorillonite	0.275	69.772
CGH	05-023.065	CGH_05_023	Kaolinite WX	0.626	Montmorillonite	0.374	83.133
CGH	05-023.066	CGH_05_023	Kaolinite PX	0.721	Paragonite	0.279	145.55
CGH	05-023.067	CGH_05_023	Illitic Muscovite	0.616	Kaolinite PX	0.384	172.5
CGH	05-023.068	CGH_05_023	Illitic Muscovite	0.71	Kaolinite PX	0.29	139.69
CGH	05-023.069	CGH_05_023	FeMgChlorite	0.549	Montmorillonite	0.451	65.334
CGH	05-023.070	CGH_05_023	FeMgChlorite	0.645	Illitic Muscovite	0.355	24.821

CGH	05-023.071	CGH_05_023	Illitic Muscovite	0.649	MgChlorite	0.351	76.766
CGH	05-023.072	CGH_05_023	FeMgChlorite	0.511	Illitic Muscovite	0.489	44.039
CGH	05-023.073	CGH_05_023	Illitic Muscovite	0.598	Kaolinite PX	0.402	202.32
CGH	05-023.074	CGH_05_023	FeMgChlorite	0.506	Illitic Muscovite	0.494	51.733
CGH	05-023.075	CGH_05_023	Illitic Muscovite	0.695	Montmorillonite	0.305	60.92
CGH	05-023.076	CGH_05_023	Illitic Muscovite	0.816	Ankerite	0.184	56.365
CGH	05-023.077	CGH_05_023	FeMgChlorite	0.547	Illitic Muscovite	0.453	29.522
CGH	05-023.078	CGH_05_023	Illitic Muscovite	0.571	MgChlorite	0.429	76.357
CGH	05-023.079	CGH_05_023	Illitic Muscovite	0.62	Calcite	0.38	130.42
CGH	05-023.080	CGH_05_023	FeMgChlorite	0.778	Illitic Muscovite	0.222	19.316
CGH	05-023.081	CGH_05_023	FeMgChlorite	0.784	Illitic Muscovite	0.216	18.236
CGH	05-023.082	CGH_05_023	Kaolinite WX	0.661	Illitic Muscovite	0.339	68.192
CGH	05-023.083	CGH_05_023	Kaolinite WX	0.796	FeMgChlorite	0.204	40.882
CGH	05-023.084	CGH_05_023	Illitic Muscovite	0.56	Calcite	0.44	122.71
CGH	05-023.085	CGH_05_023	Illitic Muscovite	0.613	Montmorillonite	0.387	80.462
CGH	05-023.086	CGH_05_023	Illitic Muscovite	0.563	Kaolinite WX	0.437	94.617
CGH	05-023.087	CGH_05_023	Kaolinite WX	0.708	Illitic Muscovite	0.292	63.168
CGH	05-023.088	CGH_05_023	Kaolinite PX	0.546	FeMgChlorite	0.454	156.56
CGH	05-023.089	CGH_05_023	Kaolinite WX	0.524	Illitic Muscovite	0.476	114.24
CGH	05-023.090	CGH_05_023	Calcite	0.532	Muscovite	0.468	98.18
CGH	05-023.091	CGH_05_023	Illitic Muscovite	0.644	Kaolinite PX	0.356	199.82
CGH	05-023.092	CGH_05_023	FeMgChlorite	0.578	Kaolinite PX	0.422	90.833
CGH	05-023.093	CGH_05_023	Illitic Muscovite	0.692	Montmorillonite	0.308	110.05
CGH	05-023.094	CGH_05_023	Illitic Muscovite	0.567	FeMgChlorite	0.433	32.943
CGH	05-023.095	CGH_05_023	Illitic Muscovite	1	NULL	NULL	104.36
CGH	05-023.096	CGH_05_023	Illitic Paragonite	0.51	Montmorillonite	0.49	79.097
CGH	05-023.097	CGH_05_023	Illitic Paragonite	0.571	Montmorillonite	0.429	161.63
CGH	05-023.098	CGH_05_023	Illitic Muscovite	0.52	FeMgChlorite	0.48	41.069
CGH	05-023.099	CGH_05_023	Kaolinite WX	0.559	Illitic Muscovite	0.441	131.24
CGH	05-023.100	CGH_05_023	Kaolinite WX	0.554	Illitic Muscovite	0.446	108.42
CGH	05-023.101	CGH_05_023	Illitic Muscovite	0.5	Kaolinite WX	0.5	90.307
CGH	05-023.102	CGH_05_023	Montmorillonite	0.505	Illitic Muscovite	0.495	118.05
CGH	05-023.103	CGH_05_023	Illitic Muscovite	0.588	Montmorillonite	0.412	101.13
CGH	05-023.104	CGH_05_023	Illitic Muscovite	0.513	Montmorillonite	0.487	73.502
CGH	05-023.105	CGH_05_023	FeMgChlorite	0.617	Illitic Muscovite	0.383	43.466
CGH	05-023.106	CGH_05_023	Illitic Muscovite	0.61	Montmorillonite	0.39	53.109
CGH	05-023.107	CGH_05_023	Illitic Muscovite	0.55	FeMgChlorite	0.45	38.789
CGH	05-023.108	CGH_05_023	Kaolinite WX	0.555	Montmorillonite	0.445	76.941
CGH	05-023.109	CGH_05_023	FeMgChlorite	0.514	Illitic Muscovite	0.486	86.823
CGH	05-023.110	CGH_05_023	Illitic Muscovite	0.512	FeChlorite	0.488	42.144
CGH	05-023.111	CGH_05_023	Kaolinite WX	0.551	Illitic Muscovite	0.449	122.86
CGH	05-023.112	CGH_05_023	Illitic Muscovite	0.591	Kaolinite PX	0.409	168.77
CGH	05-023.113	CGH_05_023	Illitic Muscovite	0.574	Kaolinite PX	0.426	183.78
CGH	05-023.114	CGH_05_023	Illitic Muscovite	0.618	Kaolinite WX	0.382	146.2
CGH	05-023.115	CGH_05_023	FeMgChlorite	0.517	Illitic Muscovite	0.483	35.939
CGH	05-023.116	CGH_05_023	Illitic Muscovite	0.626	FeMgChlorite	0.374	48.444
CGH	05-023.117	CGH_05_023	Illitic Muscovite	0.555	FeMgChlorite	0.445	43.893
CGH	05-023.118	CGH_05_023	Illitic Muscovite	0.53	FeMgChlorite	0.47	58.086
CGH	05-023.119	CGH_05_023	FeMgChlorite	0.599	Illitic Muscovite	0.401	31.423
CGH	05-023.120	CGH_05_023	Illitic Muscovite	0.663	Kaolinite WX	0.337	141.94
CGH	05-023.121	CGH_05_023	Illitic Muscovite	0.699	Kaolinite PX	0.301	145.39
CGH	05-023.122	CGH_05_023	Illitic Muscovite	1	NULL	NULL	166.16
CGH	05-023.123	CGH_05_023	Kaolinite WX	0.763	Montmorillonite	0.237	81.298
CGH	05-023.124	CGH_05_023	FeMgChlorite	0.614	Illitic Muscovite	0.386	30.228

CGH	05-023.125	CGH_05_023	Illitic Muscovite	0.65	Montmorillonite	0.35	101.74
CGH	05-023.126	CGH_05_023	Kaolinite WX	0.643	FeMgChlorite	0.357	90.707
CGH	05-023.127	CGH_05_023	Kaolinite WX	0.634	Illitic Muscovite	0.366	94.092
CGH	05-023.128	CGH_05_023	Kaolinite WX	0.726	Montmorillonite	0.274	85.827
CGH	05-023.129	CGH_05_023	Kaolinite WX	0.558	Montmorillonite	0.442	106.28
CGH	05-023.130	CGH_05_023	Illitic Muscovite	0.535	Kaolinite PX	0.465	200.12
CGH	05-023.131	CGH_05_023	FeMgChlorite	0.669	Muscovite	0.331	55.766
CGH	05-023.132	CGH_05_023	FeMgChlorite	0.66	Illitic Muscovite	0.34	23.471
CGH	05-023.133	CGH_05_023	FeMgChlorite	0.522	Illitic Muscovite	0.478	31.597
CGH	05-023.134	CGH_05_023	Kaolinite WX	0.556	Illitic Muscovite	0.444	96.175
CGH	05-023.135	CGH_05_023	Kaolinite WX	0.543	Montmorillonite	0.457	111.29
CGH	05-023.136	CGH_05_023	FeMgChlorite	0.502	Illitic Muscovite	0.498	154.23
CGH	05-023.137	CGH_05_023	FeMgChlorite	0.689	Illitic Muscovite	0.311	28
CGH	05-023.138	CGH_05_023	Illitic Muscovite	0.583	Kaolinite WX	0.417	164.24
CGH	05-023.139	CGH_05_023	Illitic Muscovite	0.582	Kaolinite PX	0.418	234.7
CGH	05-023.140	CGH_05_023	FeMgChlorite	0.663	Illitic Muscovite	0.337	41.853
CGH	05-023.141	CGH_05_023	Kaolinite WX	0.735	Illitic Muscovite	0.265	74.196
CGH	05-023.142	CGH_05_023	FeChlorite	0.612	Montmorillonite	0.388	37.475
CGH	05-023.143	CGH_05_023	FeMgChlorite	0.625	Illitic Muscovite	0.375	24.887
CGH	05-023.144	CGH_05_023	Illitic Muscovite	0.598	Montmorillonite	0.402	87.58
CGH	05-023.145	CGH_05_023	FeChlorite	0.792	Kaolinite PX	0.208	40.924
CGH	05-023.146	CGH_05_023	Illitic Muscovite	0.617	Kaolinite PX	0.383	145.23
CGH	05-023.147	CGH_05_023	Kaolinite WX	0.598	Montmorillonite	0.402	120.7
CGH	05-023.148	CGH_05_023	FeMgChlorite	0.541	Illitic Muscovite	0.459	24.664
CGH	05-023.149	CGH_05_023	FeMgChlorite	0.592	Illitic Muscovite	0.408	23.361
CGH	05-023.150	CGH_05_023	Kaolinite PX	0.507	FeMgChlorite	0.493	119.08
CGH	05-023.151	CGH_05_023	FeMgChlorite	0.514	Illitic Muscovite	0.486	32.388
CGH	05-023.152	CGH_05_023	FeMgChlorite	0.619	Illitic Muscovite	0.381	80.477
CGH	05-023.153	CGH_05_023	Illitic Muscovite	1	NULL	NULL	97.07
CGH	05-023.154	CGH_05_023	Kaolinite WX	0.599	Illitic Muscovite	0.401	102.35
CGH	05-023.155	CGH_05_023	Illitic Muscovite	0.709	Montmorillonite	0.291	67.562
CGH	05-023.156	CGH_05_023	FeMgChlorite	0.658	Illitic Muscovite	0.342	24.481
CGH	05-023.157	CGH_05_023	Kaolinite WX	0.531	Illitic Muscovite	0.469	165.65
CGH	05-023.158	CGH_05_023	Illitic Muscovite	0.561	FeMgChlorite	0.439	39.033
CGH	05-023.159	CGH_05_023	Illitic Muscovite	0.513	Montmorillonite	0.487	132.73
CGH	05-023.160	CGH_05_023	FeMgChlorite	0.612	Illitic Muscovite	0.388	42.906
CGH	05-023.161	CGH_05_023	Kaolinite WX	0.698	Montmorillonite	0.302	67.752
CGH	05-023.162	CGH_05_023	Montmorillonite	0.553	Illitic Paragonite	0.447	149.48
CGH	05-023.163	CGH_05_023	Illitic Muscovite	0.544	Kaolinite WX	0.456	115.83
CGH	05-023.164	CGH_05_023	Illitic Muscovite	0.522	Kaolinite WX	0.478	144.73
CGH	05-023.165	CGH_05_023	FeMgChlorite	0.649	Kaolinite PX	0.351	120.6
CGH	05-023.166	CGH_05_023	Illitic Muscovite	0.631	Kaolinite WX	0.369	132.94
CGH	05-023.170	CGH_05_023	Illitic Muscovite	0.664	Montmorillonite	0.336	112.74
CGH	05-023.171	CGH_05_023	Illitic Muscovite	0.75	Kaolinite PX	0.25	160.83
CGH	05-023.172	CGH_05_023	Illitic Muscovite	0.623	Kaolinite PX	0.377	211.32
CGH	05-023.173	CGH_05_023	FeMgChlorite	0.728	Illitic Muscovite	0.272	24.58
CGH	05-023.174	CGH_05_023	Illitic Muscovite	0.653	Kaolinite WX	0.347	136.54
CGH	05-023.175	CGH_05_023	Illitic Muscovite	0.644	Montmorillonite	0.356	85.39
CGH	05-023.176	CGH_05_023	FeMgChlorite	0.677	Illitic Muscovite	0.323	27.18
CGH	05-023.177	CGH_05_023	Illitic Muscovite	0.621	Kaolinite WX	0.379	89.523
CGH	05-023.178	CGH_05_023	Muscovite	0.553	Siderite	0.447	74.17
CGH	05-023.179	CGH_05_023	Illitic Muscovite	0.677	Calcite	0.323	117.35
CGH	05-023.180	CGH_05_023	Illitic Muscovite	0.508	FeChlorite	0.492	50.906
CGH	05-023.181	CGH_05_023	Illitic Muscovite	0.578	Montmorillonite	0.422	69.968

CGH	05-023.182	CGH_05_023	Illitic Muscovite	0.619	Kaolinite PX	0.381	111.79
CGH	05-023.183	CGH_05_023	Kaolinite WX	0.528	Illitic Muscovite	0.472	64.979
CGH	05-023.184	CGH_05_023	Illitic Muscovite	0.651	Montmorillonite	0.349	85.912
CGH	05-023.185	CGH_05_023	Kaolinite WX	0.565	Illitic Muscovite	0.435	70.109
CGH	05-023.186	CGH_05_023	FeMgChlorite	0.542	Illitic Muscovite	0.458	49.239
CGH	05-023.187	CGH_05_023	Illitic Muscovite	0.614	Kaolinite WX	0.386	159.26
CGH	05-023.188	CGH_05_023	Kaolinite WX	0.525	Illitic Muscovite	0.475	76.336
CGH	05-023.189	CGH_05_023	Illitic Muscovite	0.558	Montmorillonite	0.442	76.097
CGH	05-023.190	CGH_05_023	Illitic Muscovite	0.563	FeMgChlorite	0.437	39.282
CGH	05-023.191	CGH_05_023	Kaolinite WX	0.521	Illitic Muscovite	0.479	50.256
CGH	05-023.192	CGH_05_023	Illitic Muscovite	0.568	Kaolinite PX	0.432	152.81
CGH	05-023.193	CGH_05_023	Illitic Muscovite	0.506	FeMgChlorite	0.494	36.965
CGH	05-023.194	CGH_05_023	Kaolinite WX	0.774	Muscovite	0.226	32.143
CGH	05-023.195	CGH_05_023	Illitic Muscovite	0.587	FeMgChlorite	0.413	53.518
CGH	05-023.196	CGH_05_023	Illitic Muscovite	0.608	FeMgChlorite	0.392	53.044
CGH	05-023.197	CGH_05_023	Illitic Muscovite	0.51	Montmorillonite	0.49	42.615
CGH	05-023.198	CGH_05_023	Kaolinite WX	0.598	Montmorillonite	0.402	74.275
CGH	05-023.199	CGH_05_023	Illitic Muscovite	0.526	Kaolinite WX	0.474	102.54
CGH	05-023.200	CGH_05_023	Illitic Muscovite	0.526	Kaolinite WX	0.474	105.36
CGH	05-023.201	CGH_05_023	Kaolinite WX	0.647	Illitic Muscovite	0.353	66.608
CGH	05-023.202	CGH_05_023	Illitic Muscovite	0.623	Dickite	0.377	134.77
CGH	05-023.203	CGH_05_023	Illitic Muscovite	0.543	FeChlorite	0.457	41.731
CGH	05-023.204	CGH_05_023	Kaolinite WX	0.529	Nacrite	0.471	126.77
CGH	05-023.205	CGH_05_023	Illitic Muscovite	0.591	Montmorillonite	0.409	40.864
CGH	05-023.206	CGH_05_023	Illitic Muscovite	0.79	Dickite	0.21	92.332
CGH	05-023.207	CGH_05_023	Illitic Muscovite	0.676	Dickite	0.324	85.145
CGH	05-023.208	CGH_05_023	Kaolinite WX	1	NULL	NULL	125.4
CGH	05-023.209	CGH_05_023	Illitic Muscovite	0.548	Kaolinite WX	0.452	89.259
CGH	05-023.210	CGH_05_023	Illitic Muscovite	0.658	Kaolinite WX	0.342	85.686
CGH	05-023.211	CGH_05_023	Illitic Muscovite	1	NULL	NULL	117.2
CGH	05-023.212	CGH_05_023	Kaolinite WX	0.513	Illitic Muscovite	0.487	62.743
CGH	05-023.213	CGH_05_023	Illitic Muscovite	1	NULL	NULL	68.635
CGH	05-023.214	CGH_05_023	Kaolinite WX	0.612	Illitic Muscovite	0.388	73.583
CGH	05-023.215	CGH_05_023	Illitic Muscovite	0.665	Montmorillonite	0.335	123.92
CGH	05-023.216	CGH_05_023	Illitic Muscovite	0.529	Kaolinite WX	0.471	176.7
CGH	05-023.217	CGH_05_023	Montmorillonite	0.547	Illitic Muscovite	0.453	129.58
CGH	05-023.218	CGH_05_023	Illitic Muscovite	0.569	Kaolinite WX	0.431	167.23
CGH	05-023.219	CGH_05_023	Montmorillonite	0.504	Illitic Paragonite	0.496	146.7
CGH	05-023.220	CGH_05_023	Ankerite	0.56	Illitic Muscovite	0.44	52.352
CGH	05-023.221	CGH_05_023	Illitic Muscovite	1	NULL	NULL	82.491
CGH	05-023.222	CGH_05_023	Illitic Muscovite	0.548	FeChlorite	0.452	46.348
CGH	05-023.223	CGH_05_023	FeMgChlorite	0.634	Illitic Muscovite	0.366	83.299
CGH	05-023.224	CGH_05_023	FeMgChlorite	0.557	Illitic Muscovite	0.443	55.994
CGH	05-023.225	CGH_05_023	Illitic Muscovite	0.587	Kaolinite WX	0.413	110.09
CGH	05-023.226	CGH_05_023	FeChlorite	0.804	Muscovite	0.196	23.412
CGH	05-023.227	CGH_05_023	Illitic Muscovite	0.509	Kaolinite WX	0.491	95.912
CGH	05-023.228	CGH_05_023	Illitic Muscovite	0.617	Montmorillonite	0.383	47.794
CGH	05-023.229	CGH_05_023	Illitic Muscovite	0.731	Montmorillonite	0.269	77.958
CGH	05-023.230	CGH_05_023	Illitic Muscovite	1	NULL	NULL	88.513
CGH	05-023.231	CGH_05_023	Illitic Muscovite	0.512	Kaolinite WX	0.488	200.39
CGH	05-023.232	CGH_05_023	Illitic Muscovite	0.518	Kaolinite WX	0.482	241.95
CGH	05-023.233	CGH_05_023	Illitic Muscovite	0.604	Montmorillonite	0.396	136.16
CGH	05-023.234	CGH_05_023	FeMgChlorite	0.589	Illitic Muscovite	0.411	24.814
CGH	05-023.235	CGH_05_023	FeMgChlorite	0.649	Muscovite	0.351	29.571

CGH	05-023.236	CGH_05_023	FeMgChlorite	0.556	Illitic Muscovite	0.444	55.453
CGH	05-023.237	CGH_05_023	Muscovite	0.511	FeMgChlorite	0.489	217.74
CGH	05-023.238	CGH_05_023	FeMgChlorite	0.601	Illitic Muscovite	0.399	30.773
CGH	05-023.239	CGH_05_023	Montmorillonite	0.715	Epidote	0.285	273.5
CGH	05-023.240	CGH_05_023	FeMgChlorite	0.543	Illitic Muscovite	0.457	50.283
CGH	05-023.241	CGH_05_023	Illitic Muscovite	0.619	Montmorillonite	0.381	83.436
CGH	05-023.242	CGH_05_023	Calcite	0.552	FeChlorite	0.448	55.667
CGH	05-023.243	CGH_05_023	Illitic Muscovite	0.595	Montmorillonite	0.405	102.4
CGH	05-023.244	CGH_05_023	Muscovite	1	NULL	NULL	321.69
CGH	05-023.245	CGH_05_023	FeChlorite	0.643	Muscovite	0.357	172.91
CGH	05-023.246	CGH_05_023	Muscovite	1	NULL	NULL	266.72
CGH	05-023.247	CGH_05_023	FeMgChlorite	0.619	Muscovite	0.381	222.87
CGH	05-023.248	CGH_05_023	Illitic Muscovite	1	NULL	NULL	162.64
CGH	05-024.005	CGH_05_024	Kaolinite WX	1	NULL	NULL	126.47
CGH	05-024.006	CGH_05_024	FeChlorite	0.544	Kaolinite PX	0.456	93.341
CGH	05-024.007	CGH_05_024	Kaolinite WX	0.684	FeMgChlorite	0.316	84.343
CGH	05-024.008	CGH_05_024	Kaolinite WX	0.653	FeMgChlorite	0.347	111.24
CGH	05-024.009	CGH_05_024	Illitic Muscovite	0.565	Kaolinite WX	0.435	122.03
CGH	05-024.010	CGH_05_024	FeChlorite	0.646	Kaolinite PX	0.354	136.32
CGH	05-024.011	CGH_05_024	FeMgChlorite	0.671	Kaolinite PX	0.329	105.4
CGH	05-024.012	CGH_05_024	Kaolinite WX	0.734	Montmorillonite	0.266	66.713
CGH	05-024.013	CGH_05_024	FeChlorite	0.576	Montmorillonite	0.424	55.08
CGH	05-024.014	CGH_05_024	Kaolinite PX	0.613	Epidote	0.387	350.7
CGH	05-024.015	CGH_05_024	FeChlorite	0.789	Illitic Muscovite	0.211	35.903
CGH	05-024.016	CGH_05_024	FeMgChlorite	0.72	Muscovite	0.28	24.374
CGH	05-024.017	CGH_05_024	FeChlorite	0.569	Illitic Muscovite	0.431	56.154
CGH	05-024.018	CGH_05_024	Muscovite	0.622	Kaolinite WX	0.378	124.95
CGH	05-024.019	CGH_05_024	Montmorillonite	0.531	Illitic Muscovite	0.469	61.293
CGH	05-024.020	CGH_05_024	Montmorillonite	0.555	Kaolinite PX	0.445	219.17
CGH	05-024.021	CGH_05_024	FeMgChlorite	0.56	Illitic Muscovite	0.44	76.146
CGH	05-024.022	CGH_05_024	FeMgChlorite	0.747	Illitic Muscovite	0.253	43.85
CGH	05-024.023	CGH_05_024	FeMgChlorite	0.611	Illitic Muscovite	0.389	42.38
CGH	05-024.024	CGH_05_024	FeMgChlorite	0.51	Illitic Muscovite	0.49	96.972
CGH	05-024.025	CGH_05_024	FeMgChlorite	0.578	Illitic Muscovite	0.422	67.297
CGH	05-024.026	CGH_05_024	FeMgChlorite	0.636	Illitic Muscovite	0.364	21.542
CGH	05-024.027	CGH_05_024	FeMgChlorite	0.622	Illitic Muscovite	0.378	31.894
CGH	05-024.028	CGH_05_024	FeChlorite	0.566	Illitic Muscovite	0.434	95.47
CGH	05-024.029	CGH_05_024	Illitic Muscovite	0.604	Calcite	0.396	97.442
CGH	05-024.030	CGH_05_024	FeMgChlorite	0.547	Illitic Muscovite	0.453	46.435
CGH	05-024.031	CGH_05_024	Illitic Muscovite	0.592	FeMgChlorite	0.408	106.48
CGH	05-024.032	CGH_05_024	Montmorillonite	0.505	FeChlorite	0.495	49.939
CGH	05-024.033	CGH_05_024	Illitic Muscovite	0.604	FeMgChlorite	0.396	57.216
CGH	05-024.034	CGH_05_024	Kaolinite WX	0.689	Illitic Muscovite	0.311	102.53
CGH	05-024.035	CGH_05_024	Montmorillonite	0.562	Kaolinite WX	0.438	117.29
CGH	05-024.036	CGH_05_024	Montmorillonite	0.769	Epidote	0.231	181.24
CGH	05-024.037	CGH_05_024	FeChlorite	0.594	Muscovite	0.406	113.88
CGH	05-024.038	CGH_05_024	Illitic Muscovite	0.533	FeMgChlorite	0.467	75.426
CGH	05-024.039	CGH_05_024	Illitic Muscovite	1	NULL	NULL	243.06
CGH	05-024.040	CGH_05_024	Illitic Muscovite	0.827	Calcite	0.173	66.558
CGH	05-024.041	CGH_05_024	FeMgChlorite	0.741	Kaolinite PX	0.259	89.676
CGH	05-024.042	CGH_05_024	NULL	NULL	NULL	NULL	NULL
CGH	05-024.043	CGH_05_024	Illitic Muscovite	0.687	Kaolinite WX	0.313	109.79
CGH	05-024.044	CGH_05_024	FeMgChlorite	0.743	Muscovite	0.257	37.663
CGH	05-024.045	CGH_05_024	Kaolinite WX	0.738	Epidote	0.262	185.23

CGH	05-024.046	CGH_05_024	FeMgChlorite	0.559	Illitic Muscovite	0.441	40.683
CGH	05-024.047	CGH_05_024	Kaolinite PX	0.52	FeMgChlorite	0.48	205.66
CGH	05-024.048	CGH_05_024	FeMgChlorite	0.665	Illitic Muscovite	0.335	34.807
CGH	05-024.049	CGH_05_024	Illitic Muscovite	0.537	Calcite	0.463	149.09
CGH	05-024.050	CGH_05_024	FeMgChlorite	0.558	Illitic Muscovite	0.442	86.937
CGH	05-024.051	CGH_05_024	FeMgChlorite	0.584	Illitic Muscovite	0.416	49.507
CGH	05-024.052	CGH_05_024	Montmorillonite	1	NULL	NULL	227.26
CGH	05-024.053	CGH_05_024	FeMgChlorite	0.543	Illitic Muscovite	0.457	41.014
CGH	05-024.054	CGH_05_024	Montmorillonite	0.779	Epidote	0.221	107.25
CGH	05-024.055	CGH_05_024	Illitic Muscovite	0.501	FeMgChlorite	0.499	71.565
CGH	05-024.056	CGH_05_024	Illitic Muscovite	1	NULL	NULL	55.312
CGH	05-024.057	CGH_05_024	FeMgChlorite	0.598	Kaolinite PX	0.402	158.58
CGH	05-024.058	CGH_05_024	Montmorillonite	0.736	Epidote	0.264	213.69
CGH	05-024.059	CGH_05_024	Kaolinite WX	0.606	Illitic Muscovite	0.394	181.15
CGH	05-024.060	CGH_05_024	Montmorillonite	0.615	Epidote	0.385	247.55
CGH	05-024.061	CGH_05_024	FeMgChlorite	0.62	Muscovite	0.38	44.098
CGH	05-024.062	CGH_05_024	Illitic Muscovite	1	NULL	NULL	254.14
CGH	05-024.063	CGH_05_024	Illitic Muscovite	0.593	Calcite	0.407	122.73
CGH	05-024.064	CGH_05_024	Illitic Phengite	0.568	MgChlorite	0.432	168.57
CGH	05-024.065	CGH_05_024	FeMgChlorite	1	NULL	NULL	78.618
CGH	05-024.066	CGH_05_024	FeChlorite	0.662	Kaolinite PX	0.338	134.97
CGH	05-024.067	CGH_05_024	MgChlorite	1	NULL	NULL	462.11
CGH	05-024.068	CGH_05_024	FeChlorite	0.571	Calcite	0.429	70.274
CGH	05-024.069	CGH_05_024	FeMgChlorite	0.637	Illitic Muscovite	0.363	41.487
CGH	05-024.070	CGH_05_024	Kaolinite WX	0.582	Illitic Muscovite	0.418	114.3
CGH	05-024.071	CGH_05_024	Illitic Muscovite	1	NULL	NULL	343.04
CGH	05-024.072	CGH_05_024	FeMgChlorite	0.615	Illitic Muscovite	0.385	38.414
CGH	05-024.073	CGH_05_024	NULL	NULL	NULL	NULL	NULL
CGH	05-024.074	CGH_05_024	Illitic Muscovite	0.551	Montmorillonite	0.449	113.94
CGH	05-024.075	CGH_05_024	FeMgChlorite	0.671	Kaolinite PX	0.329	122.32
CGH	05-024.076	CGH_05_024	Montmorillonite	0.508	Illitic Muscovite	0.492	113.5
CGH	05-024.077	CGH_05_024	FeMgChlorite	0.588	Kaolinite PX	0.412	106.26
CGH	05-024.078	CGH_05_024	Illitic Muscovite	0.58	Calcite	0.42	125.79
CGH	05-024.079	CGH_05_024	FeChlorite	0.625	Montmorillonite	0.375	27.268
CGH	05-024.080	CGH_05_024	FeMgChlorite	0.661	Montmorillonite	0.339	40.659
CGH	05-024.081	CGH_05_024	Kaolinite WX	1	NULL	NULL	330.59
CGH	05-024.082	CGH_05_024	FeMgChlorite	0.62	Illitic Muscovite	0.38	36.364
CGH	05-024.083	CGH_05_024	FeMgChlorite	0.558	Illitic Muscovite	0.442	36.103
CGH	05-024.084	CGH_05_024	FeMgChlorite	0.524	Illitic Muscovite	0.476	34.104
CGH	05-024.085	CGH_05_024	Calcite	0.767	Muscovite	0.233	59.779
CGH	05-024.086	CGH_05_024	Wood	0.758	Muscovite	0.242	45.683
CGH	05-024.087	CGH_05_024	Illitic Muscovite	0.596	Montmorillonite	0.404	60.258
CGH	05-024.088	CGH_05_024	Montmorillonite	0.517	Illitic Paragonite	0.483	52.13
CGH	05-024.089	CGH_05_024	FeMgChlorite	0.638	Montmorillonite	0.362	102.23
CGH	05-024.090	CGH_05_024	FeMgChlorite	0.636	Illitic Muscovite	0.364	46.522
CGH	05-024.091	CGH_05_024	Illitic Muscovite	0.509	Montmorillonite	0.491	71.51
CGH	05-024.092	CGH_05_024	Illitic Muscovite	0.644	Dickite	0.356	140.73
CGH	05-024.093	CGH_05_024	FeMgChlorite	0.572	Kaolinite PX	0.428	122.9
CGH	05-024.094	CGH_05_024	Montmorillonite	0.587	Illitic Paragonite	0.413	139.58
CGH	05-024.095	CGH_05_024	Montmorillonite	0.619	Illitic Paragonite	0.381	60.975
CGH	05-024.096	CGH_05_024	Illitic Muscovite	0.603	FeMgChlorite	0.397	57.171
CGH	05-024.097	CGH_05_024	Illitic Muscovite	0.814	Calcite	0.186	120.46
CGH	05-024.098	CGH_05_024	Montmorillonite	0.506	Illitic Muscovite	0.494	169.61
CGH	05-024.099	CGH_05_024	FeMgChlorite	0.626	Illitic Muscovite	0.374	97.784

CGH	05-024.100	CGH_05_024	Illitic Muscovite	0.545	MgChlorite	0.455	117.95
CGH	05-024.101	CGH_05_024	Montmorillonite	0.5	Kaolinite PX	0.5	344.72
CGH	05-024.102	CGH_05_024	Illitic Muscovite	0.528	MgChlorite	0.472	131.65
CGH	05-024.103	CGH_05_024	Illitic Muscovite	0.567	FeMgChlorite	0.433	103.71
CGH	05-024.104	CGH_05_024	NULL	NULL	NULL	NULL	NULL
CGH	05-024.105	CGH_05_024	Illitic Muscovite	0.554	Montmorillonite	0.446	178.86
CGH	05-024.106	CGH_05_024	FeChlorite	1	NULL	NULL	24.997
CGH	05-024.107	CGH_05_024	MgChlorite	0.529	Illitic Muscovite	0.471	77.695
CGH	05-024.108	CGH_05_024	Illitic Muscovite	0.557	Ankerite	0.443	96.02
CGH	05-024.109	CGH_05_024	Illitic Muscovite	0.557	Ankerite	0.443	93.267
CGH	05-024.110	CGH_05_024	Illitic Muscovite	0.555	Ankerite	0.445	91.19
CGH	05-024.111	CGH_05_024	Illitic Muscovite	0.562	Ankerite	0.438	100.13
CGH	05-024.112	CGH_05_024	Illitic Muscovite	0.555	Ankerite	0.445	94.412
CGH	05-024.113	CGH_05_024	Illitic Muscovite	0.56	Ankerite	0.44	95.247
CGH	05-024.114	CGH_05_024	Kaolinite WX	0.68	Illitic Muscovite	0.32	85.017
CGH	05-024.115	CGH_05_024	Illitic Muscovite	0.662	Montmorillonite	0.338	107.77
CGH	05-024.116	CGH_05_024	Illitic Muscovite	0.523	FeMgChlorite	0.477	63.412
CGH	05-024.117	CGH_05_024	Montmorillonite	0.642	Ankerite	0.358	105.05
CGH	05-024.118	CGH_05_024	Kaolinite WX	0.672	FeMgChlorite	0.328	114.36
CGH	05-024.119	CGH_05_024	FeMgChlorite	0.6	Illitic Muscovite	0.4	44.654
CGH	05-024.120	CGH_05_024	FeMgChlorite	0.6	Illitic Muscovite	0.4	105.54
CGH	05-024.121	CGH_05_024	Illitic Muscovite	0.526	FeMgChlorite	0.474	136.42
CGH	05-024.122	CGH_05_024	FeMgChlorite	0.661	Illitic Muscovite	0.339	33.256
CGH	05-024.123	CGH_05_024	Montmorillonite	0.56	Siderite	0.44	92.831
CGH	05-024.124	CGH_05_024	FeMgChlorite	0.692	Montmorillonite	0.308	50.889
CGH	05-024.125	CGH_05_024	Illitic Muscovite	0.505	FeMgChlorite	0.495	80.857
CGH	05-024.126	CGH_05_024	Illitic Muscovite	0.512	FeMgChlorite	0.488	54.001
CGH	05-024.127	CGH_05_024	Montmorillonite	0.588	Epidote	0.412	213.92
CGH	05-024.128	CGH_05_024	FeMgChlorite	0.633	Illitic Muscovite	0.367	64.596
CGH	05-024.129	CGH_05_024	FeMgChlorite	0.717	Illitic Muscovite	0.283	24.168
CGH	05-024.130	CGH_05_024	FeChlorite	0.767	Muscovite	0.233	53
CGH	05-024.131	CGH_05_024	Montmorillonite	0.58	Epidote	0.42	355.47
CGH	05-024.132	CGH_05_024	Illitic Muscovite	0.543	Calcite	0.457	191.88
CGH	05-024.133	CGH_05_024	FeMgChlorite	0.683	Illitic Phengite	0.317	40.688
CGH	05-024.134	CGH_05_024	Illitic Muscovite	0.657	Montmorillonite	0.343	88.079
CGH	05-024.135	CGH_05_024	Illitic Muscovite	0.546	FeMgChlorite	0.454	69.669
CGH	05-024.136	CGH_05_024	Illitic Muscovite	0.58	Montmorillonite	0.42	42.812
CGH	05-024.137	CGH_05_024	FeMgChlorite	0.725	Muscovite	0.275	30.343
CGH	05-024.138	CGH_05_024	MgChlorite	0.696	Montmorillonite	0.304	132.88
CGH	05-024.139	CGH_05_024	FeMgChlorite	0.698	Montmorillonite	0.302	63.753
CGH	05-024.140	CGH_05_024	FeMgChlorite	0.713	Montmorillonite	0.287	97.542
CGH	05-024.141	CGH_05_024	FeMgChlorite	1	NULL	NULL	205.42
CGH	05-024.142	CGH_05_024	Epidote	1	NULL	NULL	728.16
CGH	05-024.143	CGH_05_024	FeMgChlorite	0.553	Muscovite	0.447	82.914
CGH	05-024.144	CGH_05_024	FeMgChlorite	0.766	Illitic Muscovite	0.234	77.806
CGH	05-024.145	CGH_05_024	FeMgChlorite	0.695	Illitic Muscovite	0.305	62.532
CGH	05-024.146	CGH_05_024	FeMgChlorite	0.607	Calcite	0.393	50.199
CGH	05-024.147	CGH_05_024	Montmorillonite	0.737	Epidote	0.263	202.47
CGH	05-024.148	CGH_05_024	FeMgChlorite	0.704	Illitic Muscovite	0.296	43.031
CGH	05-024.149	CGH_05_024	Illitic Muscovite	0.584	FeMgChlorite	0.416	91.652
CGH	05-024.150	CGH_05_024	Illitic Muscovite	0.514	FeMgChlorite	0.486	54.549
CGH	05-024.151	CGH_05_024	FeChlorite	0.53	Montmorillonite	0.47	60.38
CGH	05-024.152	CGH_05_024	FeMgChlorite	0.677	Montmorillonite	0.323	95.977
CGH	05-024.153	CGH_05_024	FeMgChlorite	0.749	Montmorillonite	0.251	36.602

CGH	05-024.154	CGH_05_024	FeMgChlorite	0.656	Montmorillonite	0.344	66.405
CGH	05-024.155	CGH_05_024	FeMgChlorite	0.513	Illitic Muscovite	0.487	124.98
CGH	05-024.156	CGH_05_024	Montmorillonite	0.561	Illitic Muscovite	0.439	130.29
CGH	05-024.157	CGH_05_024	FeMgChlorite	0.559	Montmorillonite	0.441	90.361
CGH	05-024.158	CGH_05_024	FeMgChlorite	1	NULL	NULL	144.82
CGH	05-024.159	CGH_05_024	Montmorillonite	0.528	Illitic Muscovite	0.472	118.48
CGH	05-024.160	CGH_05_024	Muscovite	0.784	Gypsum	0.216	167.71
CGH	05-024.161	CGH_05_024	FeMgChlorite	0.51	Montmorillonite	0.49	104.04
CGH	05-024.162	CGH_05_024	Illitic Muscovite	0.536	FeMgChlorite	0.464	48.647
CGH	05-024.163	CGH_05_024	FeMgChlorite	0.644	Muscovite	0.356	43.447
CGH	05-024.164	CGH_05_024	FeMgChlorite	0.56	Illitic Muscovite	0.44	59.556
CGH	05-024.165	CGH_05_024	Illitic Muscovite	0.663	Calcite	0.337	150.33
CGH	05-024.166	CGH_05_024	FeMgChlorite	0.701	Illitic Muscovite	0.299	47.307
CGH	05-024.167	CGH_05_024	FeMgChlorite	0.738	Illitic Muscovite	0.262	32.647
CGH	05-024.168	CGH_05_024	FeMgChlorite	0.641	Illitic Muscovite	0.359	64.203
CGH	05-024.169	CGH_05_024	FeMgChlorite	0.628	Muscovite	0.372	88.616
CGH	05-024.170	CGH_05_024	FeMgChlorite	0.826	Illitic Muscovite	0.174	52.786
CGH	05-024.171	CGH_05_024	FeMgChlorite	0.53	Illitic Muscovite	0.47	90.283
CGH	05-024.172	CGH_05_024	FeMgChlorite	1	NULL	NULL	49.052
CGH	05-024.173	CGH_05_024	Illitic Phengite	0.553	Montmorillonite	0.447	65.002
CGH	05-024.174	CGH_05_024	FeMgChlorite	1	NULL	NULL	129.7
CGH	05-024.175	CGH_05_024	FeMgChlorite	1	NULL	NULL	101.63
CGH	05-024.176	CGH_05_024	FeMgChlorite	0.745	Montmorillonite	0.255	109.14
CGH	05-024.177	CGH_05_024	Montmorillonite	0.596	Illitic Muscovite	0.404	201.66
CGH	05-024.178	CGH_05_024	FeMgChlorite	0.724	Muscovite	0.276	67.976
CGH	05-024.179	CGH_05_024	FeMgChlorite	0.84	Muscovite	0.16	19.906
CGH	05-024.180	CGH_05_024	FeMgChlorite	0.606	Montmorillonite	0.394	77.643
CGH	05-024.181	CGH_05_024	FeMgChlorite	0.723	Illitic Muscovite	0.277	88.918
CGH	05-024.182	CGH_05_024	Illitic Muscovite	0.621	Montmorillonite	0.379	129.05
CGH	05-024.183	CGH_05_024	FeMgChlorite	0.66	Illitic Muscovite	0.34	51.555
CGH	05-024.184	CGH_05_024	Montmorillonite	0.636	Epidote	0.364	252.76
CGH	05-024.185	CGH_05_024	MgChlorite	0.741	Muscovite	0.259	101.99
CGH	05-024.186	CGH_05_024	Illitic Muscovite	0.503	FeMgChlorite	0.497	97.976
CGH	05-024.187	CGH_05_024	Siderite	0.586	Muscovite	0.414	133.72
CGH	05-024.188	CGH_05_024	FeMgChlorite	0.545	Illitic Muscovite	0.455	120.86
CGH	05-024.189	CGH_05_024	Muscovite	0.7	Epidote	0.3	304.56
CGH	05-024.190	CGH_05_024	Muscovite	0.839	Epidote	0.161	159.47
CGH	05-024.191	CGH_05_024	FeMgChlorite	0.647	Muscovite	0.353	59.724
CGH	05-024.192	CGH_05_024	FeMgChlorite	0.722	Muscovite	0.278	42.17
CGH	05-024.193	CGH_05_024	Illitic Muscovite	0.681	Montmorillonite	0.319	58.465
CGH	05-024.194	CGH_05_024	Illitic Muscovite	1	NULL	NULL	290.36
CGH	05-024.195	CGH_05_024	FeMgChlorite	0.556	Montmorillonite	0.444	111.74
CGH	05-024.196	CGH_05_024	Montmorillonite	0.65	Epidote	0.35	279.62
CGH	05-024.197	CGH_05_024	FeMgChlorite	0.806	Montmorillonite	0.194	52.529
CGH	05-024.198	CGH_05_024	FeMgChlorite	0.784	Illitic Muscovite	0.216	58.714
CGH	05-024.199	CGH_05_024	FeMgChlorite	0.731	Illitic Muscovite	0.269	88.358
CGH	05-024.200	CGH_05_024	FeMgChlorite	0.607	Muscovite	0.393	96.811
CGH	05-024.201	CGH_05_024	Montmorillonite	0.614	Ankerite	0.386	141.96
CGH	05-024.202	CGH_05_024	FeChlorite	0.536	Illitic Muscovite	0.464	60.02
CGH	05-024.203	CGH_05_024	FeMgChlorite	0.581	Illitic Muscovite	0.419	84.951
CGH	05-024.204	CGH_05_024	Montmorillonite	0.666	Ankerite	0.334	109.91
CGH	05-024.205	CGH_05_024	Montmorillonite	0.676	Ankerite	0.324	120.88
CGH	05-024.206	CGH_05_024	Illitic Muscovite	0.55	Kaolinite PX	0.45	343.3
CGH	05-024.207	CGH_05_024	FeMgChlorite	0.54	Illitic Muscovite	0.46	101.13

CGH	05-024.208	CGH_05_024	FeMgChlorite	0.539	Montmorillonite	0.461	66.633
CGH	05-024.209	CGH_05_024	Illitic Muscovite	0.631	Kaolinite PX	0.369	320.48
CGH	05-024.210	CGH_05_024	FeMgChlorite	0.706	Illitic Muscovite	0.294	71.89
CGH	05-024.211	CGH_05_024	Kaolinite PX	1	NULL	NULL	370.47
CGH	05-024.212	CGH_05_024	Montmorillonite	0.609	Illitic Paragonite	0.391	38.059
CGH	05-024.213	CGH_05_024	Nacrite	0.582	Montmorillonite	0.418	183.01
CGH	05-024.214	CGH_05_024	Kaolinite WX	0.561	Illitic Muscovite	0.439	144.33
CGH	05-024.215	CGH_05_024	FeMgChlorite	1	NULL	NULL	97.928
CGH	05-024.216	CGH_05_024	Epidote	1	NULL	NULL	363.38
CGH	05-024.217	CGH_05_024	Montmorillonite	0.704	Epidote	0.296	179.26
CGH	05-024.218	CGH_05_024	FeMgChlorite	0.53	Illitic Muscovite	0.47	38.31
CGH	05-024.219	CGH_05_024	FeChlorite	0.549	Illitic Muscovite	0.451	38.445
CGH	05-024.220	CGH_05_024	Illitic Muscovite	0.591	FeMgChlorite	0.409	104.08
CGH	05-024.221	CGH_05_024	FeMgChlorite	0.627	Illitic Muscovite	0.373	40.692
CGH	05-024.222	CGH_05_024	Illitic Muscovite	1	NULL	NULL	344.84
CGH	05-024.223	CGH_05_024	Illitic Muscovite	0.607	MgChlorite	0.393	117.97
CGH	05-024.224	CGH_05_024	Illitic Muscovite	0.68	Montmorillonite	0.32	47.936
CGH	05-024.225	CGH_05_024	Montmorillonite	0.74	Epidote	0.26	170.17
CGH	05-024.226	CGH_05_024	Illitic Muscovite	0.631	Montmorillonite	0.369	45.929
CGH	05-024.227	CGH_05_024	FeMgChlorite	0.627	Illitic Muscovite	0.373	39.885
CGH	05-024.228	CGH_05_024	FeMgChlorite	0.749	Muscovite	0.251	41.411
CGH	05-024.229	CGH_05_024	Illitic Muscovite	0.629	Montmorillonite	0.371	180.32
CGH	05-024.230	CGH_05_024	Illitic Muscovite	1	NULL	NULL	37.585
CGH	05-024.231	CGH_05_024	FeMgChlorite	1	NULL	NULL	326.68
CGH	05-024.232	CGH_05_024	Montmorillonite	0.551	Siderite	0.449	34.579
CGH	05-024.233	CGH_05_024	MgChlorite	0.579	Illitic Muscovite	0.421	114.97
CGH	05-024.234	CGH_05_024	FeMgChlorite	0.607	Illitic Muscovite	0.393	38.569
CGH	05-024.235	CGH_05_024	FeMgChlorite	0.601	Illitic Muscovite	0.399	36.295
CGH	05-024.236	CGH_05_024	Illitic Muscovite	0.623	Montmorillonite	0.377	73.487
CGH	05-024.237	CGH_05_024	Illitic Muscovite	0.785	Ankerite	0.215	54.967
CGH	05-024.238	CGH_05_024	Illitic Muscovite	1	NULL	NULL	502.92
CGH	05-024.239	CGH_05_024	Siderite	0.53	Montmorillonite	0.47	103.52
CGH	05-024.240	CGH_05_024	Montmorillonite	0.777	Epidote	0.223	135.76
CGH	05-024.241	CGH_05_024	Illitic Muscovite	0.574	Montmorillonite	0.426	139.42
CGH	05-024.242	CGH_05_024	Illitic Muscovite	0.556	Montmorillonite	0.444	129.76
CGH	05-024.243	CGH_05_024	FeMgChlorite	0.688	Montmorillonite	0.312	42.76
CGH	05-024.244	CGH_05_024	Illitic Muscovite	0.522	Montmorillonite	0.478	51.642
CGH	05-024.245	CGH_05_024	Siderite	0.629	Montmorillonite	0.371	44.368
CGH	05-024.246	CGH_05_024	FeMgChlorite	0.738	Muscovite	0.262	22.833
CGH	05-024.247	CGH_05_024	FeMgChlorite	0.541	Montmorillonite	0.459	92.902
CGH	05-024.248	CGH_05_024	FeMgChlorite	0.54	Illitic Muscovite	0.46	87.593
CGH	05-024.249	CGH_05_024	Montmorillonite	0.621	Illitic Paragonite	0.379	130
CGH	05-024.250	CGH_05_024	Kaolinite WX	0.626	Illitic Muscovite	0.374	171.68
CGH	05-024.251	CGH_05_024	Montmorillonite	0.566	Illitic Paragonite	0.434	106.53
CGH	05-024.252	CGH_05_024	Montmorillonite	0.516	Illitic Muscovite	0.484	63.737
CGH	05-024.253	CGH_05_024	Illitic Muscovite	0.54	Montmorillonite	0.46	38.8
CGH	05-024.254	CGH_05_024	Kaolinite WX	0.504	Illitic Muscovite	0.496	85.294
CGH	05-024.255	CGH_05_024	Kaolinite WX	0.634	Illitic Muscovite	0.366	72.904
CGH	05-024.256	CGH_05_024	Dickite	1	NULL	NULL	179.89
CGH	05-024.257	CGH_05_024	Illitic Muscovite	0.755	Dolomite	0.245	95.026
CGH	05-024.258	CGH_05_024	Siderite	0.592	Montmorillonite	0.408	55.415
CGH	05-024.259	CGH_05_024	Illitic Muscovite	0.661	Montmorillonite	0.339	33.796
CGH	05-024.260	CGH_05_024	Illitic Muscovite	0.83	Dolomite	0.17	56.781
CGH	05-024.261	CGH_05_024	Illitic Muscovite	0.67	Montmorillonite	0.33	44.009

CGH	05-024.262	CGH_05_024	Illitic Muscovite	0.588	Dickite	0.412	97.251
CGH	05-024.263	CGH_05_024	Muscovite	1	NULL	NULL	59.141
CGH	05-024.264	CGH_05_024	Illitic Muscovite	0.704	Montmorillonite	0.296	45.276
CGH	05-024.265	CGH_05_024	Muscovite	0.773	Palygorskite	0.227	56.96
CGH	05-024.266	CGH_05_024	Dolomite	0.759	Muscovite	0.241	85.683
CGH	05-024.267	CGH_05_024	Muscovite	0.787	Ankerite	0.213	59.255
CGH	05-024.268	CGH_05_024	Kaolinite WX	0.71	Montmorillonite	0.29	53.015
CGH	05-024.269	CGH_05_024	Kaolinite PX	0.636	Illitic Paragonite	0.364	200.99
CGH	05-024.270	CGH_05_024	Kaolinite WX	0.532	Montmorillonite	0.468	63.212
CGH	05-024.271	CGH_05_024	Kaolinite WX	0.522	Illitic Muscovite	0.478	77.109
CGH	05-024.272	CGH_05_024	Kaolinite WX	0.602	Illitic Muscovite	0.398	54.087
CGH	05-024.273	CGH_05_024	Illitic Muscovite	0.733	Kaolinite PX	0.267	130.3
CGH	05-024.274	CGH_05_024	Illitic Muscovite	0.586	Montmorillonite	0.414	164.19
CGH	05-024.275	CGH_05_024	Muscovite	1	NULL	NULL	326.61
CGH	05-024.276	CGH_05_024	Illitic Muscovite	1	NULL	NULL	99.446
CGH	05-024.277	CGH_05_024	Muscovite	0.749	Montmorillonite	0.251	68.921
CGH	05-024.278	CGH_05_024	Dickite	1	NULL	NULL	47.899
CGH	05-024.279	CGH_05_024	Illitic Muscovite	0.635	Montmorillonite	0.365	30.354
CGH	05-024.280	CGH_05_024	Kaolinite WX	1	NULL	NULL	70.144
CGH	05-024.281	CGH_05_024	Illitic Muscovite	0.579	Dickite	0.421	109.77
CGH	05-024.282	CGH_05_024	Dickite	0.697	Illitic Muscovite	0.303	70.553
CGH	05-024.283	CGH_05_024	Gypsum	0.547	Dickite	0.453	227.8
CGH	05-024.284	CGH_05_024	Muscovite	0.627	Dickite	0.373	263.4
CGH	05-024.285	CGH_05_024	Illitic Muscovite	0.592	Montmorillonite	0.408	33.808
CGH	05-024.286	CGH_05_024	Kaolinite WX	0.629	Illitic Muscovite	0.371	65.66
CGH	05-024.287	CGH_05_024	Siderite	0.661	Montmorillonite	0.339	120.55
CGH	05-024.288	CGH_05_024	Muscovite	0.669	Dickite	0.331	146.26
CGH	05-024.289	CGH_05_024	NULL	NULL	NULL	NULL	NULL
CGH	05-024.290	CGH_05_024	Muscovite	1	NULL	NULL	569.48
CGH	05-024.291	CGH_05_024	Illitic Muscovite	0.713	Montmorillonite	0.287	43.363
CGH	05-024.292	CGH_05_024	Illitic Muscovite	0.698	Dickite	0.302	204.78
CGH	05-024.293	CGH_05_024	Siderite	0.539	Illitic Muscovite	0.461	79.179
CGH	05-024.294	CGH_05_024	Illitic Muscovite	0.559	Kaolinite WX	0.441	80.055
CGH	05-024.295	CGH_05_024	Illitic Muscovite	0.599	Kaolinite WX	0.401	114.28
CGH	05-024.296	CGH_05_024	Illitic Muscovite	0.598	Kaolinite WX	0.402	117.98
CGH	05-024.297	CGH_05_024	Illitic Muscovite	0.511	Kaolinite PX	0.489	180.74
CGH	05-024.298	CGH_05_024	Illitic Muscovite	0.523	Montmorillonite	0.477	73.448
CGH	05-024.299	CGH_05_024	Illitic Muscovite	0.543	Kaolinite PX	0.457	160.29
CGH	05-024.300	CGH_05_024	Kaolinite WX	0.569	Illitic Muscovite	0.431	171.34
CGH	05-024.301	CGH_05_024	Kaolinite WX	0.63	Illitic Muscovite	0.37	53.991
CGH	05-024.302	CGH_05_024	Kaolinite WX	0.595	Illitic Muscovite	0.405	77.922
CGH	05-024.303	CGH_05_024	Illitic Muscovite	0.571	Kaolinite WX	0.429	73.904
CGH	05-024.304	CGH_05_024	Illitic Muscovite	0.635	Montmorillonite	0.365	89.163
CGH	05-024.305	CGH_05_024	Montmorillonite	0.59	Illitic Paragonite	0.41	80.207
CGH	05-024.306	CGH_05_024	Kaolinite WX	0.54	Illitic Muscovite	0.46	79.637
CGH	05-024.307	CGH_05_024	Illitic Muscovite	1	NULL	NULL	109.48
CGH	05-024.308	CGH_05_024	Siderite	0.636	Muscovite	0.364	49.688
CGH	05-024.309	CGH_05_024	Illitic Muscovite	1	NULL	NULL	263.94
CGH	05-024.310	CGH_05_024	Kaolinite WX	0.611	Siderite	0.389	58.434
CGH	05-024.311	CGH_05_024	Kaolinite WX	0.658	Illitic Muscovite	0.342	67.179
CGH	05-024.312	CGH_05_024	Kaolinite WX	0.572	Illitic Muscovite	0.428	101.77
CGH	05-024.313	CGH_05_024	Illitic Muscovite	0.736	Montmorillonite	0.264	44.497
CGH	05-024.314	CGH_05_024	Illitic Muscovite	0.519	Kaolinite WX	0.481	107.75
CGH	05-024.315	CGH_05_024	Aspectral	1	NULL	NULL	1000

CGH	05-024.316	CGH_05_024	Muscovite	0.697	Gypsum	0.303	103.88
CGH	05-024.317	CGH_05_024	Siderite	0.541	Muscovite	0.459	54.792
CGH	05-024.318	CGH_05_024	Illitic Muscovite	0.681	Montmorillonite	0.319	51.901
CGH	05-024.319	CGH_05_024	Illitic Muscovite	0.715	Montmorillonite	0.285	43.027
CGH	05-024.320	CGH_05_024	Muscovite	0.635	Montmorillonite	0.365	168.98
CGH	05-024.321	CGH_05_024	Illitic Muscovite	0.677	Montmorillonite	0.323	78.807
CGH	05-024.322	CGH_05_024	Dickite	1	NULL	NULL	907
CGH	05-024.323	CGH_05_024	Illitic Muscovite	0.55	Kaolinite WX	0.45	59.941
CGH	05-024.324	CGH_05_024	Muscovite	1	NULL	NULL	542.51
CGH	05-024.325	CGH_05_024	Illitic Muscovite	0.628	Montmorillonite	0.372	113.05
CGH	05-024.326	CGH_05_024	Kaolinite PX	0.582	Illitic Muscovite	0.418	263.15
CGH	05-024.327	CGH_05_024	Illitic Muscovite	0.608	Montmorillonite	0.392	88.004
CGH	05-024.328	CGH_05_024	Illitic Muscovite	0.583	Montmorillonite	0.417	40.969
CGH	05-024.329	CGH_05_024	Illitic Muscovite	0.669	Montmorillonite	0.331	47.478
CGH	05-024.330	CGH_05_024	Illitic Muscovite	0.674	Montmorillonite	0.326	47.355
CGH	05-024.331	CGH_05_024	Illitic Muscovite	0.736	Montmorillonite	0.264	48.034
CGH	05-024.332	CGH_05_024	Illitic Muscovite	0.774	Montmorillonite	0.226	62.488
CGH	05-024.333	CGH_05_024	Illitic Muscovite	0.741	Montmorillonite	0.259	44.223
CGH	05-024.334	CGH_05_024	Illitic Muscovite	0.746	Montmorillonite	0.254	38.578
CGH	05-024.335	CGH_05_024	Illitic Muscovite	0.607	Montmorillonite	0.393	71.406
CGH	05-024.336	CGH_05_024	Illitic Muscovite	0.679	Montmorillonite	0.321	60.187
CGH	05-024.337	CGH_05_024	Illitic Muscovite	0.598	Montmorillonite	0.402	57.076
CGH	05-024.338	CGH_05_024	Illitic Muscovite	0.774	Montmorillonite	0.226	49.261
CGH	05-024.339	CGH_05_024	Illitic Muscovite	0.603	Kaolinite WX	0.397	70.824
CGH	05-024.340	CGH_05_024	Illitic Muscovite	0.764	Montmorillonite	0.236	62.663
CGH	05-024.341	CGH_05_024	Illitic Muscovite	0.667	Montmorillonite	0.333	80.456
CGH	05-024.342	CGH_05_024	Illitic Muscovite	1	NULL	NULL	152.5
CGH	05-024.343	CGH_05_024	Illitic Muscovite	0.79	Calcite	0.21	94.638
CGH	05-025.030	CGH_05-025	Illitic Muscovite	0.633	Montmorillonite	0.367	62.273
CGH	05-025.031	CGH_05-025	Kaolinite WX	0.727	Illitic Muscovite	0.273	33.909
CGH	05-025.032	CGH_05-025	Ankerite	0.666	Muscovite	0.334	34.786
CGH	05-025.033	CGH_05-025	Illitic Muscovite	0.769	Kaolinite PX	0.231	96.342
CGH	05-025.034	CGH_05-025	Muscovite	0.682	Siderite	0.318	50.935
CGH	05-025.035	CGH_05-025	Illitic Muscovite	0.656	Siderite	0.344	63.141
CGH	05-025.036	CGH_05-025	Illitic Paragonite	0.5	Montmorillonite	0.5	61.814
CGH	05-025.037	CGH_05-025	Kaolinite WX	0.512	Illitic Muscovite	0.488	110.29
CGH	05-025.038	CGH_05-025	Illitic Muscovite	0.735	Dickite	0.265	111.07
CGH	05-025.039	CGH_05-025	Illitic Muscovite	0.661	Montmorillonite	0.339	46.285
CGH	05-025.040	CGH_05-025	Kaolinite WX	0.62	Illitic Muscovite	0.38	67.83
CGH	05-025.041	CGH_05-025	Illitic Muscovite	0.537	Kaolinite WX	0.463	75.45
CGH	05-025.042	CGH_05-025	Kaolinite WX	0.597	FeChlorite	0.403	38.082
CGH	05-025.043	CGH_05-025	Kaolinite WX	0.622	Illitic Muscovite	0.378	55.372
CGH	05-025.044	CGH_05-025	Illitic Muscovite	0.742	Dickite	0.258	98.879
CGH	05-025.045	CGH_05-025	Illitic Muscovite	0.728	Kaolinite PX	0.272	105.79
CGH	05-025.046	CGH_05-025	Illitic Muscovite	0.697	Siderite	0.303	47.194
CGH	05-025.047	CGH_05-025	Kaolinite WX	0.57	Montmorillonite	0.43	52.96
CGH	05-025.048	CGH_05-025	Illitic Muscovite	0.645	Montmorillonite	0.355	63.598
CGH	05-025.049	CGH_05-025	Illitic Muscovite	0.585	Montmorillonite	0.415	66.404
CGH	05-025.050	CGH_05-025	Illitic Muscovite	0.719	Montmorillonite	0.281	64.483
CGH	05-025.051	CGH_05-025	Illitic Muscovite	0.686	Kaolinite WX	0.314	84.974
CGH	05-025.052	CGH_05-025	Kaolinite WX	0.616	Illitic Muscovite	0.384	66.467
CGH	05-025.053	CGH_05-025	Muscovite	0.705	Kaolinite PX	0.295	164.48
CGH	05-025.054	CGH_05-025	Illitic Muscovite	0.723	Kaolinite WX	0.277	72.408
CGH	05-025.055	CGH_05-025	Illitic Muscovite	0.58	Kaolinite WX	0.42	62.88

CGH	05-025.056	CGH_05-025	Illitic Muscovite	0.626	Kaolinite WX	0.374	75.332
CGH	05-025.057	CGH_05-025	Kaolinite WX	0.56	Illitic Muscovite	0.44	70.557
CGH	05-025.058	CGH_05-025	Illitic Muscovite	0.776	Ankerite	0.224	96.619
CGH	05-025.059	CGH_05-025	Illitic Muscovite	0.693	Kaolinite WX	0.307	73.439
CGH	05-025.060	CGH_05-025	Dickite	0.553	Ankerite	0.447	102.8
CGH	05-025.061	CGH_05-025	Kaolinite WX	0.676	Illitic Muscovite	0.324	84.756
CGH	05-025.062	CGH_05-025	Illitic Muscovite	0.501	Kaolinite WX	0.499	79.518
CGH	05-025.063	CGH_05-025	Illitic Muscovite	0.621	Montmorillonite	0.379	47.522
CGH	05-025.064	CGH_05-025	Illitic Muscovite	0.621	Montmorillonite	0.379	60.905
CGH	05-025.065	CGH_05-025	Illitic Muscovite	0.655	Montmorillonite	0.345	52.055
CGH	05-025.066	CGH_05-025	Illitic Muscovite	0.597	Ankerite	0.403	69.997
CGH	05-025.067	CGH_05-025	Illitic Muscovite	0.553	Montmorillonite	0.447	57.453
CGH	05-025.068	CGH_05-025	Illitic Muscovite	0.548	Montmorillonite	0.452	40.823
CGH	05-025.069	CGH_05-025	Muscovite	0.558	Siderite	0.442	120.84
CGH	05-025.070	CGH_05-025	Illitic Muscovite	0.594	Dickite	0.406	95.259
CGH	05-025.071	CGH_05-025	Illitic Muscovite	1	NULL	NULL	94.163
CGH	05-025.072	CGH_05-025	Illitic Muscovite	1	NULL	NULL	65.825
CGH	05-025.073	CGH_05-025	Illitic Muscovite	0.745	Montmorillonite	0.255	38.05
CGH	05-025.074	CGH_05-025	Illitic Muscovite	0.718	Montmorillonite	0.282	52.753
CGH	05-025.075	CGH_05-025	Illitic Muscovite	1	NULL	NULL	72.995
CGH	05-025.076	CGH_05-025	Illitic Muscovite	0.732	Montmorillonite	0.268	92.973
CGH	05-025.077	CGH_05-025	Kaolinite WX	0.524	Illitic Muscovite	0.476	52.039
CGH	05-025.078	CGH_05-025	Illitic Muscovite	0.653	Kaolinite WX	0.347	68.652
CGH	05-025.079	CGH_05-025	Kaolinite WX	0.517	Muscovite	0.483	181.32
CGH	05-025.080	CGH_05-025	Siderite	0.658	Muscovite	0.342	111.82
CGH	05-025.081	CGH_05-025	Muscovite	1	NULL	NULL	143.96
CGH	05-025.082	CGH_05-025	Illitic Muscovite	1	NULL	NULL	55.185
CGH	05-025.083	CGH_05-025	Muscovite	0.648	Siderite	0.352	72
CGH	05-025.084	CGH_05-025	Illitic Muscovite	0.758	Montmorillonite	0.242	46.915
CGH	05-025.085	CGH_05-025	Muscovite	0.516	Ankerite	0.484	67.357
CGH	05-025.086	CGH_05-025	Illitic Muscovite	1	NULL	NULL	90.903
CGH	05-025.087	CGH_05-025	Kaolinite WX	0.57	Illitic Muscovite	0.43	61.627
CGH	05-025.088	CGH_05-025	Illitic Muscovite	0.801	Kaolinite PX	0.199	99.962
CGH	05-025.089	CGH_05-025	Illitic Muscovite	0.746	Kaolinite PX	0.254	114.66
CGH	05-025.090	CGH_05-025	Kaolinite WX	0.563	Illitic Muscovite	0.437	65.379
CGH	05-025.091	CGH_05-025	Kaolinite WX	0.64	Illitic Muscovite	0.36	46.853
CGH	05-025.092	CGH_05-025	Muscovite	1	NULL	NULL	92.484
CGH	05-025.093	CGH_05-025	Muscovite	1	NULL	NULL	234.02
CGH	05-025.094	CGH_05-025	Illitic Muscovite	0.707	Dickite	0.293	131.21
CGH	05-025.095	CGH_05-025	Illitic Muscovite	0.794	Montmorillonite	0.206	48.174
CGH	05-025.096	CGH_05-025	Kaolinite WX	0.677	Illitic Muscovite	0.323	76.175
CGH	05-025.097	CGH_05-025	Muscovite	1	NULL	NULL	399.63
CGH	05-025.098	CGH_05-025	Illitic Muscovite	0.745	Kaolinite WX	0.255	84.105
CGH	05-025.099	CGH_05-025	Muscovite	1	NULL	NULL	117.79
CGH	05-025.100	CGH_05-025	Illitic Muscovite	1	NULL	NULL	106.59
CGH	05-025.101	CGH_05-025	Illitic Muscovite	0.727	Montmorillonite	0.273	78.507
CGH	05-025.102	CGH_05-025	FeMgChlorite	0.627	Illitic Muscovite	0.373	13.945
CGH	05-025.103	CGH_05-025	Illitic Muscovite	0.61	FeMgChlorite	0.39	26.27
CGH	05-025.104	CGH_05-025	Muscovite	0.806	Kaolinite PX	0.194	81.308
CGH	05-025.105	CGH_05-025	Dickite	0.559	Illitic Muscovite	0.441	97.211
CGH	05-039.044	CGH_05_039	Illitic Muscovite	0.644	Montmorillonite	0.356	76.781
CGH	05-039.045	CGH_05_039	Illitic Muscovite	0.61	Montmorillonite	0.39	48.515
CGH	05-039.046	CGH_05_039	Illitic Muscovite	0.661	Montmorillonite	0.339	53.733
CGH	05-039.047	CGH_05_039	Illitic Muscovite	0.713	Montmorillonite	0.287	69.404

CGH	05-039.048	CGH_05_039	Illitic Muscovite	0.677	Montmorillonite	0.323	63.116
CGH	05-039.049	CGH_05_039	Illitic Muscovite	0.662	Montmorillonite	0.338	48.281
CGH	05-039.050	CGH_05_039	Illitic Muscovite	0.599	Montmorillonite	0.401	63.679
CGH	05-039.051	CGH_05_039	Illitic Muscovite	0.669	Montmorillonite	0.331	85.622
CGH	05-039.052	CGH_05_039	Illitic Muscovite	0.559	Montmorillonite	0.441	64.708
CGH	05-039.053	CGH_05_039	Illitic Muscovite	0.555	Montmorillonite	0.445	51.341
CGH	05-039.054	CGH_05_039	Illitic Muscovite	0.602	Montmorillonite	0.398	68.487
CGH	05-039.055	CGH_05_039	Phengite	0.624	Siderite	0.376	86.458
CGH	05-039.056	CGH_05_039	FeMgChlorite	0.659	Montmorillonite	0.341	89.008
CGH	05-039.057	CGH_05_039	Illitic Phengite	0.599	Montmorillonite	0.401	81.498
CGH	05-039.058	CGH_05_039	Muscovite	0.652	Dickite	0.348	360.88
CGH	05-039.059	CGH_05_039	Illitic Muscovite	0.727	Dickite	0.273	173.18
CGH	05-039.060	CGH_05_039	Illitic Muscovite	0.544	Montmorillonite	0.456	70.01
CGH	05-039.061	CGH_05_039	Montmorillonite	0.766	Epidote	0.234	146.8
CGH	05-039.062	CGH_05_039	Montmorillonite	0.52	Ankerite	0.48	54.172
CGH	05-039.063	CGH_05_039	Illitic Muscovite	0.577	Montmorillonite	0.423	86.479
CGH	05-039.064	CGH_05_039	Montmorillonite	0.577	Ankerite	0.423	84.867
CGH	05-039.065	CGH_05_039	Illitic Phengite	0.586	Montmorillonite	0.414	67.159
CGH	05-039.066	CGH_05_039	Dickite	1	NULL	NULL	415.09
CGH	05-039.067	CGH_05_039	Illitic Phengite	0.611	Montmorillonite	0.389	68.328
CGH	05-039.068	CGH_05_039	Montmorillonite	0.53	Illitic Muscovite	0.47	53.103
CGH	05-039.069	CGH_05_039	Illitic Muscovite	0.671	Dickite	0.329	197.94
CGH	05-039.070	CGH_05_039	Illitic Muscovite	0.61	Kaolinite WX	0.39	101.7
CGH	05-039.071	CGH_05_039	Illitic Muscovite	0.522	Montmorillonite	0.478	94.418
CGH	05-039.072	CGH_05_039	Illitic Muscovite	0.556	Montmorillonite	0.444	62.011
CGH	05-039.073	CGH_05_039	FeChlorite	0.629	Nacrite	0.371	56.041
CGH	05-039.074	CGH_05_039	Nacrite	0.677	Illitic Muscovite	0.323	80.177
CGH	05-039.075	CGH_05_039	Illitic Muscovite	0.752	Dolomite	0.248	173.58
CGH	05-039.076	CGH_05_039	Illitic Muscovite	0.791	Montmorillonite	0.209	39.023
CGH	05-039.077	CGH_05_039	FeMgChlorite	0.629	Illitic Muscovite	0.371	41.225
CGH	05-039.078	CGH_05_039	Illitic Muscovite	0.54	Montmorillonite	0.46	41.376
CGH	05-039.079	CGH_05_039	Illitic Muscovite	0.552	Montmorillonite	0.448	88.918
CGH	05-039.080	CGH_05_039	Kaolinite WX	0.553	Illitic Muscovite	0.447	74.142
CGH	05-039.081	CGH_05_039	Illitic Muscovite	0.549	Montmorillonite	0.451	140.35
CGH	05-039.082	CGH_05_039	Illitic Muscovite	0.536	Montmorillonite	0.464	95.814
CGH	05-039.083	CGH_05_039	Montmorillonite	0.572	Illitic Muscovite	0.428	59.814
CGH	05-039.084	CGH_05_039	Muscovite	0.751	Dickite	0.249	183.49
CGH	05-039.085	CGH_05_039	Muscovite	0.738	Dickite	0.262	212.88
CGH	05-039.086	CGH_05_039	Montmorillonite	0.566	Illitic Muscovite	0.434	91.656
CGH	05-039.087	CGH_05_039	Illitic Muscovite	0.73	Montmorillonite	0.27	45.173
CGH	05-039.088	CGH_05_039	Montmorillonite	0.538	Illitic Muscovite	0.462	52.192
CGH	05-039.089	CGH_05_039	Illitic Muscovite	0.712	Montmorillonite	0.288	103.85
CGH	05-039.090	CGH_05_039	Illitic Muscovite	0.696	Montmorillonite	0.304	97.514
CGH	05-039.091	CGH_05_039	Muscovite	1	NULL	NULL	98.44
CGH	05-039.092	CGH_05_039	Kaolinite WX	0.656	Illitic Muscovite	0.344	140.05
CGH	05-039.093	CGH_05_039	FeChlorite	0.534	Illitic Muscovite	0.466	39.884
CGH	05-039.094	CGH_05_039	Illitic Muscovite	0.633	Montmorillonite	0.367	111.32
CGH	05-039.095	CGH_05_039	Illitic Muscovite	0.594	Montmorillonite	0.406	135.43
CGH	05-039.096	CGH_05_039	Illitic Muscovite	0.547	Montmorillonite	0.453	100.87
CGH	05-039.097	CGH_05_039	Illitic Muscovite	0.646	Montmorillonite	0.354	116.95
CGH	05-039.098	CGH_05_039	FeMgChlorite	0.515	Illitic Muscovite	0.485	97.427
CGH	05-039.099	CGH_05_039	FeMgChlorite	0.778	Illitic Muscovite	0.222	46.143
CGH	05-039.100	CGH_05_039	Calcite	1	NULL	NULL	138.18
CGH	05-039.101	CGH_05_039	Illitic Muscovite	0.609	Ankerite	0.391	98.316

CGH	05-039.102	CGH_05_039	Kaolinite WX	0.601	FeMgChlorite	0.399	109.35
CGH	05-039.103	CGH_05_039	MgChlorite	0.675	Illitic Muscovite	0.325	47.498
CGH	05-039.104	CGH_05_039	Illitic Muscovite	1	NULL	NULL	135.54
CGH	05-039.105	CGH_05_039	Illitic Muscovite	0.563	FeMgChlorite	0.437	56.078
CGH	05-039.106	CGH_05_039	FeMgChlorite	0.603	Kaolinite PX	0.397	141.34
CGH	05-039.107	CGH_05_039	FeChlorite	0.59	Calcite	0.41	92.672
CGH	05-039.108	CGH_05_039	FeMgChlorite	0.766	Illitic Muscovite	0.234	29.793
CGH	05-039.109	CGH_05_039	Illitic Muscovite	0.713	Montmorillonite	0.287	80.664
CGH	05-039.110	CGH_05_039	Muscovite	0.595	Ankerite	0.405	262.77
CGH	05-039.111	CGH_05_039	MgChlorite	0.567	Illitic Muscovite	0.433	85.174
CGH	05-039.112	CGH_05_039	FeMgChlorite	0.674	Kaolinite PX	0.326	129.94
CGH	05-039.113	CGH_05_039	Illitic Muscovite	0.553	Kaolinite WX	0.447	214.85
CGH	05-039.114	CGH_05_039	Dolomite	1	NULL	NULL	121.95
CGH	05-039.115	CGH_05_039	Illitic Muscovite	0.578	FeMgChlorite	0.422	86.238
CGH	05-039.116	CGH_05_039	Illitic Muscovite	0.524	MgChlorite	0.476	96.056
CGH	05-039.117	CGH_05_039	Illitic Muscovite	0.714	Montmorillonite	0.286	77.279
CGH	05-039.118	CGH_05_039	Illitic Muscovite	0.671	Montmorillonite	0.329	107.32
CGH	05-039.119	CGH_05_039	Illitic Muscovite	1	NULL	NULL	170.58
CGH	05-039.120	CGH_05_039	Illitic Muscovite	0.52	FeMgChlorite	0.48	88.267
CGH	05-039.121	CGH_05_039	Kaolinite WX	0.696	FeMgChlorite	0.304	56.83
CGH	05-039.122	CGH_05_039	Illitic Muscovite	0.571	Kaolinite WX	0.429	75.385
CGH	05-039.123	CGH_05_039	Illitic Muscovite	0.659	Montmorillonite	0.341	62.381
CGH	05-039.124	CGH_05_039	Illitic Muscovite	0.684	Montmorillonite	0.316	28.335
CGH	05-039.125	CGH_05_039	Illitic Muscovite	0.669	Montmorillonite	0.331	55.416
CGH	05-039.126	CGH_05_039	Illitic Muscovite	1	NULL	NULL	358.48
CGH	05-039.127	CGH_05_039	Kaolinite WX	0.619	Illitic Muscovite	0.381	94.462
CGH	05-039.128	CGH_05_039	Illitic Muscovite	0.56	Dickite	0.44	161.26
CGH	05-039.129	CGH_05_039	FeMgChlorite	0.675	Illitic Muscovite	0.325	28.948
CGH	05-039.130	CGH_05_039	FeMgChlorite	0.662	Montmorillonite	0.338	51.728
CGH	05-039.131	CGH_05_039	Illitic Muscovite	0.701	Montmorillonite	0.299	31.781
CGH	05-039.132	CGH_05_039	Illitic Muscovite	0.587	Montmorillonite	0.413	56.099
CGH	05-039.133	CGH_05_039	Kaolinite WX	0.66	Illitic Muscovite	0.34	49.049
CGH	05-039.134	CGH_05_039	Illitic Muscovite	0.571	Montmorillonite	0.429	64.068
CGH	05-039.135	CGH_05_039	Illitic Muscovite	0.599	Kaolinite WX	0.401	91.096
CGH	05-039.136	CGH_05_039	Illitic Muscovite	0.56	Kaolinite WX	0.44	65.749
CGH	05-039.137	CGH_05_039	Kaolinite WX	0.547	Illitic Muscovite	0.453	50.681
CGH	05-039.138	CGH_05_039	Illitic Muscovite	0.618	Montmorillonite	0.382	113.23
CGH	05-039.139	CGH_05_039	Illitic Muscovite	0.514	Kaolinite WX	0.486	48.455
CGH	05-039.140	CGH_05_039	Illitic Muscovite	0.696	Montmorillonite	0.304	54.416
CGH	05-039.141	CGH_05_039	Illitic Muscovite	0.76	Montmorillonite	0.24	54.72
CGH	05-039.142	CGH_05_039	Illitic Muscovite	0.719	Montmorillonite	0.281	84.604
CGH	05-039.143	CGH_05_039	Illitic Muscovite	0.76	Montmorillonite	0.24	42.205
CGH	05-039.144	CGH_05_039	Illitic Muscovite	1	NULL	NULL	71.345
CGH	05-039.145	CGH_05_039	Ankerite	0.566	Muscovite	0.434	126.37
CGH	05-039.146	CGH_05_039	Illitic Muscovite	0.634	Montmorillonite	0.366	83.319
CGH	05-039.147	CGH_05_039	Illitic Muscovite	0.612	Montmorillonite	0.388	132.32
CGH	05-039.148	CGH_05_039	Kaolinite WX	0.521	Illitic Muscovite	0.479	53.197
CGH	05-039.149	CGH_05_039	Montmorillonite	0.506	Siderite	0.494	54.885
CGH	05-039.150	CGH_05_039	Illitic Muscovite	0.583	Montmorillonite	0.417	83.473
CGH	05-039.151	CGH_05_039	Illitic Muscovite	0.575	Montmorillonite	0.425	43.008
CGH	05-039.152	CGH_05_039	Illitic Muscovite	0.635	Montmorillonite	0.365	37.776
CGH	05-039.153	CGH_05_039	Montmorillonite	0.624	Illitic Paragonite	0.376	74.564
CGH	05-039.154	CGH_05_039	Illitic Muscovite	0.616	Montmorillonite	0.384	28.25
CGH	05-039.155	CGH_05_039	Illitic Muscovite	0.59	Montmorillonite	0.41	69.444

CGH	05-039.156	CGH_05_039	Illitic Muscovite	0.592	Kaolinite WX	0.408	99.517
CGH	05-039.157	CGH_05_039	Illitic Muscovite	0.761	Montmorillonite	0.239	50.454
CGH	05-039.158	CGH_05_039	Illitic Muscovite	0.714	Montmorillonite	0.286	53.147
CGH	05-039.159	CGH_05_039	Muscovite	0.578	Siderite	0.422	67.121
CGH	05-039.160	CGH_05_039	Kaolinite WX	0.641	Illitic Muscovite	0.359	103.79
CGH	05-039.161	CGH_05_039	Illitic Muscovite	0.562	Kaolinite WX	0.438	75.844
CGH	05-039.162	CGH_05_039	Illitic Muscovite	1	NULL	NULL	110.36
CGH	05-039.163	CGH_05_039	Illitic Muscovite	0.75	Montmorillonite	0.25	61.865
CGH	05-039.164	CGH_05_039	Kaolinite WX	0.588	FeMgChlorite	0.412	67.419
CGH	05-039.165	CGH_05_039	Illitic Muscovite	0.62	Kaolinite WX	0.38	94.481
CGH	05-039.166	CGH_05_039	Illitic Muscovite	0.758	Montmorillonite	0.242	71.443
CGH	05-039.167	CGH_05_039	Illitic Muscovite	0.772	Montmorillonite	0.228	53.456
CGH	05-039.168	CGH_05_039	Illitic Muscovite	0.744	Montmorillonite	0.256	41.698
CGH	05-039.169	CGH_05_039	Illitic Muscovite	1	NULL	NULL	102.16
CGH	05-039.170	CGH_05_039	Nacrite	0.614	Montmorillonite	0.386	94.108
CGH	05-039.171	CGH_05_039	Illitic Muscovite	1	NULL	NULL	125.34
CGH	05-039.172	CGH_05_039	Illitic Muscovite	0.758	Montmorillonite	0.242	42.436
CGH	05-039.173	CGH_05_039	Illitic Muscovite	0.68	Kaolinite WX	0.32	68.457
CGH	05-039.174	CGH_05_039	Illitic Muscovite	0.673	Kaolinite WX	0.327	54.754
CGH	05-039.175	CGH_05_039	Illitic Muscovite	0.652	Montmorillonite	0.348	64.215
CGH	05-039.176	CGH_05_039	Illitic Muscovite	0.78	Montmorillonite	0.22	61.601
CGH	05-039.177	CGH_05_039	Illitic Muscovite	1	NULL	NULL	94.058
CGH	05-039.178	CGH_05_039	Ankerite	0.518	Muscovite	0.482	38.638
CGH	05-039.179	CGH_05_039	Illitic Muscovite	1	NULL	NULL	110.66
CGH	05-039.180	CGH_05_039	Illitic Muscovite	1	NULL	NULL	140.9
CGH	05-039.181	CGH_05_039	Muscovite	1	NULL	NULL	263.16
CGH	05-039.182	CGH_05_039	NULL	NULL	NULL	NULL	NULL
CGH	05-039.183	CGH_05_039	Illitic Muscovite	1	NULL	NULL	97.018
CGH	05-039.184	CGH_05_039	Illitic Muscovite	0.591	Ankerite	0.409	60.931
CGH	05-039.185	CGH_05_039	Ankerite	0.597	Muscovite	0.403	61.794
CGH	05-039.186	CGH_05_039	Illitic Muscovite	1	NULL	NULL	148.41
CGH	05-039.187	CGH_05_039	Illitic Muscovite	0.725	Montmorillonite	0.275	45.449
CGH	05-039.188	CGH_05_039	Kaolinite WX	0.738	Illitic Muscovite	0.262	44.612
CGH	05-039.189	CGH_05_039	Kaolinite PX	1	NULL	NULL	378.4
CGH	05-039.190	CGH_05_039	Illitic Muscovite	0.53	Montmorillonite	0.47	49.189
CGH	05-039.191	CGH_05_039	Montmorillonite	0.501	Illitic Muscovite	0.499	68.887
CGH	05-039.192	CGH_05_039	Kaolinite WX	0.564	FeMgChlorite	0.436	125.16
CGH	05-039.193	CGH_05_039	Illitic Muscovite	0.541	Kaolinite WX	0.459	111.64
CGH	05-039.194	CGH_05_039	FeMgChlorite	1	NULL	NULL	97.677
CGH	05-039.195	CGH_05_039	Ankerite	0.514	FeMgChlorite	0.486	43.787
CGH	05-039.196	CGH_05_039	Montmorillonite	0.569	Epidote	0.431	119.6
CGH	05-039.197	CGH_05_039	Illitic Muscovite	1	NULL	NULL	217.03
CGH	05-039.198	CGH_05_039	Montmorillonite	0.524	Illitic Muscovite	0.476	134.1
CGH	05-039.199	CGH_05_039	FeMgChlorite	0.642	Illitic Muscovite	0.358	56.3
CGH	05-039.200	CGH_05_039	Calcite	1	NULL	NULL	46.925
CGH	05-039.201	CGH_05_039	FeChlorite	0.564	Illitic Muscovite	0.436	78.635
CGH	05-039.202	CGH_05_039	FeChlorite	0.563	Illitic Muscovite	0.437	89.178
CGH	05-039.203	CGH_05_039	FeMgChlorite	0.595	Illitic Muscovite	0.405	38.668
CGH	05-039.204	CGH_05_039	Illitic Muscovite	1	NULL	NULL	100.88
CGH	05-039.205	CGH_05_039	Illitic Muscovite	1	NULL	NULL	102.01
CGH	05-039.206	CGH_05_039	FeMgChlorite	0.54	Illitic Muscovite	0.46	38.047
CGH	05-039.207	CGH_05_039	Illitic Muscovite	1	NULL	NULL	141.26
CGH	05-039.208	CGH_05_039	FeChlorite	0.569	Illitic Muscovite	0.431	60.595
CGH	05-039.209	CGH_05_039	Illitic Muscovite	1	NULL	NULL	89.899

CGH	05-039.210	CGH_05_039	Illitic Muscovite	1	NULL	NULL	107.63
CGH	05-039.211	CGH_05_039	Kaolinite WX	0.535	Illitic Muscovite	0.465	150.77
CGH	05-039.212	CGH_05_039	Illitic Muscovite	0.51	Kaolinite PX	0.49	239.28
CGH	05-039.213	CGH_05_039	Illitic Muscovite	1	NULL	NULL	72.416
CGH	05-039.214	CGH_05_039	Illitic Muscovite	0.563	FeMgChlorite	0.437	32.316
CGH	05-039.215	CGH_05_039	Illitic Muscovite	0.524	FeChlorite	0.476	69.434
CGH	05-039.216	CGH_05_039	FeMgChlorite	0.51	Muscovite	0.49	56.64
CGH	05-039.217	CGH_05_039	FeMgChlorite	0.529	Muscovite	0.471	58.037
CGH	05-039.218	CGH_05_039	FeMgChlorite	0.506	Illitic Muscovite	0.494	30.225
CGH	05-039.219	CGH_05_039	Illitic Muscovite	0.692	Montmorillonite	0.308	62.089
CGH	05-039.220	CGH_05_039	Kaolinite WX	0.656	FeMgChlorite	0.344	91.349
CGH	05-039.221	CGH_05_039	Siderite	0.756	Muscovite	0.244	45.809
CGH	05-039.222	CGH_05_039	Siderite	0.753	Muscovite	0.247	50.537
CGH	05-039.223	CGH_05_039	FeMgChlorite	0.601	Illitic Muscovite	0.399	30.632
CGH	05-039.224	CGH_05_039	FeMgChlorite	0.641	Kaolinite PX	0.359	85.492
CGH	05-039.225	CGH_05_039	FeMgChlorite	0.53	Illitic Muscovite	0.47	32.267
CGH	05-040.007	CGH_05_040	FeMgChlorite	0.549	Siderite	0.451	65.34
CGH	05-040.008	CGH_05_040	Kaolinite WX	0.67	Muscovite	0.33	119.12
CGH	05-040.009	CGH_05_040	Kaolinite WX	0.677	Ankerite	0.323	44.06
CGH	05-040.010	CGH_05_040	Kaolinite WX	0.609	Illitic Muscovite	0.391	90.598
CGH	05-040.011	CGH_05_040	NULL	NULL	NULL	NULL	NULL
CGH	05-040.012	CGH_05_040	Illitic Muscovite	0.614	FeMgChlorite	0.386	43.215
CGH	05-040.013	CGH_05_040	FeMgChlorite	0.719	Illitic Muscovite	0.281	31.914
CGH	05-040.014	CGH_05_040	Montmorillonite	0.532	Illitic Muscovite	0.468	97.068
CGH	05-040.015	CGH_05_040	FeMgChlorite	0.655	Illitic Muscovite	0.345	41.262
CGH	05-040.016	CGH_05_040	Illitic Muscovite	0.631	Montmorillonite	0.369	118
CGH	05-040.017	CGH_05_040	FeChlorite	0.545	Montmorillonite	0.455	62.541
CGH	05-040.018	CGH_05_040	Muscovite	0.591	Kaolinite WX	0.409	274.97
CGH	05-040.019	CGH_05_040	FeChlorite	0.782	Calcite	0.218	14.621
CGH	05-040.020	CGH_05_040	FeChlorite	0.624	Siderite	0.376	50.023
CGH	05-040.021	CGH_05_040	Illitic Muscovite	0.589	Montmorillonite	0.411	174.66
CGH	05-040.022	CGH_05_040	Illitic Muscovite	1	NULL	NULL	188.01
CGH	05-040.023	CGH_05_040	Muscovite	0.69	Epidote	0.31	272.23
CGH	05-040.024	CGH_05_040	Montmorillonite	0.517	Illitic Muscovite	0.483	70.661
CGH	05-040.025	CGH_05_040	Illitic Muscovite	0.514	Kaolinite WX	0.486	80.311
CGH	05-040.026	CGH_05_040	Illitic Muscovite	1	NULL	NULL	132.24
CGH	05-040.027	CGH_05_040	Montmorillonite	0.751	Epidote	0.249	164.98
CGH	05-040.028	CGH_05_040	FeMgChlorite	0.509	Kaolinite PX	0.491	150.91
CGH	05-040.029	CGH_05_040	Muscovite	1	NULL	NULL	227.93
CGH	05-040.030	CGH_05_040	Illitic Muscovite	0.642	Kaolinite WX	0.358	181.67
CGH	05-040.031	CGH_05_040	Kaolinite WX	0.673	Illitic Muscovite	0.327	75.248
CGH	05-040.032	CGH_05_040	FeMgChlorite	0.702	Muscovite	0.298	60.433
CGH	05-040.033	CGH_05_040	Illitic Muscovite	0.593	Kaolinite PX	0.407	142.09
CGH	05-040.034	CGH_05_040	FeMgChlorite	0.717	Muscovite	0.283	28.577
CGH	05-040.035	CGH_05_040	FeMgChlorite	0.676	Illitic Muscovite	0.324	34.485
CGH	05-040.036	CGH_05_040	Montmorillonite	0.759	Epidote	0.241	170.11
CGH	05-040.037	CGH_05_040	Illitic Muscovite	0.519	Kaolinite WX	0.481	143.15
CGH	05-040.038	CGH_05_040	FeMgChlorite	0.783	Epidote	0.217	174.53
CGH	05-040.039	CGH_05_040	FeMgChlorite	0.809	Kaolinite PX	0.191	107.65
CGH	05-040.040	CGH_05_040	FeMgChlorite	0.682	Muscovite	0.318	34.008
CGH	05-040.041	CGH_05_040	Muscovite	0.601	Gypsum	0.399	742.4
CGH	05-040.042	CGH_05_040	FeMgChlorite	1	NULL	NULL	63.137
CGH	05-040.043	CGH_05_040	Kaolinite WX	0.553	Illitic Muscovite	0.447	83.989
CGH	05-040.044	CGH_05_040	Kaolinite WX	0.797	Illitic Muscovite	0.203	72.219

CGH	05-040.045	CGH_05_040	Illitic Muscovite	0.537	Kaolinite PX	0.463	291.59
CGH	05-040.046	CGH_05_040	Muscovite	0.6	Epidote	0.4	383.7
CGH	05-040.047	CGH_05_040	Illitic Muscovite	0.614	Kaolinite PX	0.386	229.3
CGH	05-040.048	CGH_05_040	FeChlorite	0.831	Muscovite	0.169	30.315
CGH	05-040.049	CGH_05_040	Illitic Muscovite	0.527	FeMgChlorite	0.473	71.627
CGH	05-040.050	CGH_05_040	FeChlorite	0.79	Illitic Muscovite	0.21	44.51
CGH	05-040.051	CGH_05_040	FeMgChlorite	0.708	Illitic Muscovite	0.292	28.569
CGH	05-040.052	CGH_05_040	Illitic Muscovite	0.659	FeMgChlorite	0.341	100.05
CGH	05-040.053	CGH_05_040	FeMgChlorite	0.613	Illitic Muscovite	0.387	32.558
CGH	05-040.054	CGH_05_040	FeMgChlorite	0.671	Illitic Muscovite	0.329	32.717
CGH	05-040.055	CGH_05_040	Muscovite	1	NULL	NULL	362.62
CGH	05-040.056	CGH_05_040	FeChlorite	0.721	Muscovite	0.279	73.27
CGH	05-040.057	CGH_05_040	Calcite	0.833	IsaYellow	0.167	327.99
CGH	05-040.058	CGH_05_040	FeMgChlorite	0.611	Illitic Muscovite	0.389	29.353
CGH	05-040.059	CGH_05_040	FeMgChlorite	0.639	Muscovite	0.361	92.003
CGH	05-040.060	CGH_05_040	FeMgChlorite	0.717	Muscovite	0.283	44.494
CGH	05-040.061	CGH_05_040	FeMgChlorite	0.762	Muscovite	0.238	22.231
CGH	05-040.062	CGH_05_040	FeChlorite	0.68	Siderite	0.32	58.712
CGH	05-040.063	CGH_05_040	FeMgChlorite	0.515	Illitic Muscovite	0.485	50.178
CGH	05-040.064	CGH_05_040	FeMgChlorite	0.682	Illitic Muscovite	0.318	61.638
CGH	05-040.065	CGH_05_040	Illitic Muscovite	0.631	Montmorillonite	0.369	88.043
CGH	05-040.066	CGH_05_040	Illitic Muscovite	0.797	Dolomite	0.203	171.99
CGH	05-040.067	CGH_05_040	Illitic Muscovite	1	NULL	NULL	136.53
CGH	05-040.068	CGH_05_040	FeChlorite	0.692	Muscovite	0.308	27.424
CGH	05-040.069	CGH_05_040	Muscovite	0.603	Calcite	0.397	105.2
CGH	05-040.070	CGH_05_040	FeMgChlorite	0.606	Illitic Muscovite	0.394	29.719
CGH	05-040.071	CGH_05_040	FeMgChlorite	0.565	Illitic Muscovite	0.435	61.1
CGH	05-040.072	CGH_05_040	Montmorillonite	0.521	Illitic Muscovite	0.479	130.59
CGH	05-040.073	CGH_05_040	FeMgChlorite	1	NULL	NULL	68.306
CGH	05-040.074	CGH_05_040	FeMgChlorite	0.713	Illitic Muscovite	0.287	21.646
CGH	05-040.075	CGH_05_040	FeMgChlorite	0.724	Muscovite	0.276	21.537
CGH	05-040.076	CGH_05_040	Siderite	0.73	Muscovite	0.27	70.741
CGH	05-040.077	CGH_05_040	Illitic Muscovite	0.585	FeMgChlorite	0.415	88.559
CGH	05-040.078	CGH_05_040	Calcite	0.604	Muscovite	0.396	148.37
CGH	05-040.079	CGH_05_040	FeMgChlorite	0.822	Epidote	0.178	117.4
CGH	05-040.080	CGH_05_040	FeMgChlorite	0.572	Illitic Muscovite	0.428	65.191
CGH	05-040.081	CGH_05_040	Illitic Muscovite	1	NULL	NULL	215.93
CGH	05-040.082	CGH_05_040	FeMgChlorite	0.72	Muscovite	0.28	36.28
CGH	05-040.083	CGH_05_040	Montmorillonite	0.679	Ankerite	0.321	99.816
CGH	05-040.084	CGH_05_040	Illitic Muscovite	0.593	Montmorillonite	0.407	110.49
CGH	05-040.085	CGH_05_040	FeMgChlorite	0.815	Muscovite	0.185	51.635
CGH	05-040.086	CGH_05_040	Illitic Muscovite	0.538	MgChlorite	0.462	121.46
CGH	05-040.087	CGH_05_040	Kaolinite WX	0.525	FeMgChlorite	0.475	132.28
CGH	05-040.088	CGH_05_040	MgChlorite	1	NULL	NULL	295.57
CGH	05-040.089	CGH_05_040	FeMgChlorite	0.577	Illitic Muscovite	0.423	53.944
CGH	05-040.090	CGH_05_040	FeMgChlorite	0.774	Illitic Muscovite	0.226	21.865
CGH	05-040.091	CGH_05_040	Phengite	1	NULL	NULL	149.72
CGH	05-040.092	CGH_05_040	FeMgChlorite	0.55	Illitic Muscovite	0.45	80.08
CGH	05-040.093	CGH_05_040	Illitic Phengite	0.563	Montmorillonite	0.437	111.97
CGH	05-040.094	CGH_05_040	Illitic Muscovite	0.714	FeMgChlorite	0.286	92.083
CGH	05-040.095	CGH_05_040	FeMgChlorite	0.781	Illitic Muscovite	0.219	20.049
CGH	05-040.096	CGH_05_040	NULL	NULL	NULL	NULL	NULL
CGH	05-040.097	CGH_05_040	FeMgChlorite	0.703	Phengite	0.297	76.253
CGH	05-040.098	CGH_05_040	FeMgChlorite	0.697	Muscovite	0.303	70.512

CGH	05-040.099	CGH_05_040	FeMgChlorite	0.618	Muscovite	0.382	62.398
CGH	05-040.100	CGH_05_040	FeMgChlorite	0.702	Illitic Muscovite	0.298	106.42
CGH	05-040.101	CGH_05_040	FeMgChlorite	0.572	Illitic Muscovite	0.428	48.789
CGH	05-040.102	CGH_05_040	FeMgChlorite	0.622	Montmorillonite	0.378	84.181
CGH	05-040.103	CGH_05_040	FeMgChlorite	0.615	Montmorillonite	0.385	168.51
CGH	05-040.104	CGH_05_040	FeMgChlorite	0.72	Illitic Muscovite	0.28	55.806
CGH	05-040.105	CGH_05_040	FeMgChlorite	0.737	Illitic Muscovite	0.263	69.489
CGH	05-040.106	CGH_05_040	FeMgChlorite	0.613	Illitic Muscovite	0.387	50.345
CGH	05-040.107	CGH_05_040	Illitic Muscovite	0.516	FeMgChlorite	0.484	70.872
CGH	05-040.108	CGH_05_040	Illitic Muscovite	0.639	Kaolinite PX	0.361	232.46
CGH	05-040.109	CGH_05_040	FeMgChlorite	0.628	Illitic Muscovite	0.372	81.482
CGH	05-040.110	CGH_05_040	FeMgChlorite	0.695	Illitic Muscovite	0.305	72.348
CGH	05-040.111	CGH_05_040	Illitic Muscovite	0.835	Epidote	0.165	192.18
CGH	05-040.112	CGH_05_040	Illitic Muscovite	0.613	Montmorillonite	0.387	139.47
CGH	05-040.113	CGH_05_040	Montmorillonite	0.734	Epidote	0.266	157.02
CGH	05-040.114	CGH_05_040	FeMgChlorite	0.625	Illitic Muscovite	0.375	39.168
CGH	05-040.115	CGH_05_040	FeMgChlorite	0.734	Illitic Muscovite	0.266	11.502
CGH	05-040.116	CGH_05_040	FeMgChlorite	0.8	Illitic Muscovite	0.2	18.07
CGH	05-040.117	CGH_05_040	FeMgChlorite	0.55	Illitic Muscovite	0.45	45.908
CGH	05-040.118	CGH_05_040	Illitic Muscovite	0.538	Calcite	0.462	190.98
CGH	05-040.119	CGH_05_040	FeMgChlorite	1	NULL	NULL	19.765
CGH	05-040.120	CGH_05_040	FeMgChlorite	0.656	Illitic Muscovite	0.344	99.379
CGH	05-040.121	CGH_05_040	FeMgChlorite	0.686	Illitic Muscovite	0.314	73.634
CGH	05-040.122	CGH_05_040	FeMgChlorite	0.632	Illitic Muscovite	0.368	26.316
CGH	05-040.123	CGH_05_040	Montmorillonite	0.576	Illitic Muscovite	0.424	79.708
CGH	05-040.124	CGH_05_040	Montmorillonite	0.566	Illitic Muscovite	0.434	121.44
CGH	05-040.125	CGH_05_040	Montmorillonite	0.646	Illitic Muscovite	0.354	61.048
CGH	05-040.126	CGH_05_040	Illitic Muscovite	0.519	FeMgChlorite	0.481	51.898
CGH	05-040.127	CGH_05_040	FeMgChlorite	0.655	Montmorillonite	0.345	67.03
CGH	05-040.128	CGH_05_040	Illitic Muscovite	0.534	Montmorillonite	0.466	174.17
CGH	05-040.129	CGH_05_040	Montmorillonite	0.532	Illitic Muscovite	0.468	43.443
CGH	05-040.130	CGH_05_040	Kaolinite PX	1	NULL	NULL	333.92
CGH	05-040.131	CGH_05_040	Montmorillonite	0.516	Illitic Muscovite	0.484	96.233
CGH	05-040.132	CGH_05_040	FeChlorite	0.747	Kaolinite PX	0.253	60.069
CGH	05-040.133	CGH_05_040	FeMgChlorite	0.542	Montmorillonite	0.458	76.127
CGH	05-040.134	CGH_05_040	FeChlorite	0.67	Montmorillonite	0.33	32.385
CGH	05-040.135	CGH_05_040	Illitic Muscovite	0.599	Montmorillonite	0.401	46.753
CGH	05-040.136	CGH_05_040	Montmorillonite	0.765	Epidote	0.235	210.68
CGH	05-040.137	CGH_05_040	FeMgChlorite	0.624	Illitic Muscovite	0.376	59.177
CGH	05-040.138	CGH_05_040	FeMgChlorite	0.564	Kaolinite PX	0.436	224.03
CGH	05-040.139	CGH_05_040	Illitic Muscovite	0.511	Kaolinite WX	0.489	256.13
CGH	05-040.140	CGH_05_040	Montmorillonite	0.528	Illitic Muscovite	0.472	158.4
CGH	05-040.141	CGH_05_040	Montmorillonite	0.533	FeMgChlorite	0.467	74.366
CGH	05-040.142	CGH_05_040	Kaolinite WX	0.529	Illitic Muscovite	0.471	202.47
CGH	05-040.143	CGH_05_040	FeChlorite	0.71	Montmorillonite	0.29	26.796
CGH	05-040.144	CGH_05_040	Illitic Muscovite	0.564	Calcite	0.436	164.17
CGH	05-040.145	CGH_05_040	MgChlorite	0.547	Illitic Muscovite	0.453	130.24
CGH	05-040.146	CGH_05_040	Kaolinite PX	0.552	FeMgChlorite	0.448	160.77
CGH	05-040.147	CGH_05_040	Siderite	0.579	Muscovite	0.421	149.85
CGH	05-040.148	CGH_05_040	Montmorillonite	1	NULL	NULL	327.44
CGH	05-040.149	CGH_05_040	Illitic Muscovite	0.57	FeMgChlorite	0.43	119.05
CGH	05-040.150	CGH_05_040	Illitic Muscovite	0.601	FeMgChlorite	0.399	118.09
CGH	05-040.151	CGH_05_040	Calcite	1	NULL	NULL	360.63
CGH	05-040.152	CGH_05_040	Muscovite	1	NULL	NULL	248.56

CGH	05-040.153	CGH_05_040	Montmorillonite	0.504	Illitic Muscovite	0.496	95.061
CGH	05-040.154	CGH_05_040	Illitic Muscovite	0.658	Ankerite	0.342	177.88
CGH	05-040.155	CGH_05_040	Montmorillonite	0.802	Epidote	0.198	101.66
CGH	05-040.156	CGH_05_040	FeMgChlorite	0.616	Montmorillonite	0.384	51.1
CGH	05-040.157	CGH_05_040	FeMgChlorite	0.794	Illitic Muscovite	0.206	26.571
CGH	05-040.158	CGH_05_040	FeChlorite	0.55	Kaolinite WX	0.45	58.593
CGH	05-040.159	CGH_05_040	FeMgChlorite	0.517	Illitic Muscovite	0.483	41.725
CGH	05-040.160	CGH_05_040	Illitic Muscovite	0.519	FeChlorite	0.481	57.927
CGH	05-040.161	CGH_05_040	Illitic Paragonite	0.554	Montmorillonite	0.446	44.802
CGH	05-040.162	CGH_05_040	Illitic Muscovite	0.752	Montmorillonite	0.248	64.038
CGH	05-040.163	CGH_05_040	FeChlorite	0.843	Montmorillonite	0.157	16.046
CGH	05-040.164	CGH_05_040	Montmorillonite	0.522	Illitic Paragonite	0.478	75.844
CGH	05-040.165	CGH_05_040	Illitic Paragonite	0.517	Montmorillonite	0.483	73.812
CGH	05-040.166	CGH_05_040	Montmorillonite	0.568	Illitic Paragonite	0.432	103.67
CGH	05-040.167	CGH_05_040	Kaolinite WX	0.581	FeChlorite	0.419	36.779
CGH	05-040.168	CGH_05_040	Montmorillonite	0.684	Kaolinite PX	0.316	166.14
CGH	05-040.169	CGH_05_040	Illitic Paragonite	0.508	Montmorillonite	0.492	46.488
CGH	05-040.170	CGH_05_040	FeMgChlorite	0.645	Illitic Muscovite	0.355	32.503
CGH	05-040.171	CGH_05_040	FeMgChlorite	0.511	Illitic Muscovite	0.489	78.97
CGH	05-040.172	CGH_05_040	Illitic Muscovite	0.504	FeMgChlorite	0.496	64.826
CGH	05-040.173	CGH_05_040	FeMgChlorite	0.642	Illitic Muscovite	0.358	59.841
CGH	05-040.174	CGH_05_040	FeMgChlorite	0.581	Illitic Muscovite	0.419	37.353
CGH	05-040.175	CGH_05_040	Montmorillonite	0.774	Epidote	0.226	160.19
CGH	05-040.176	CGH_05_040	Illitic Muscovite	0.633	FeMgChlorite	0.367	105.05
CGH	05-040.177	CGH_05_040	MgChlorite	0.545	Illitic Muscovite	0.455	84.713
CGH	05-040.178	CGH_05_040	Nacrite	0.602	FeMgChlorite	0.398	105.49
CGH	05-040.179	CGH_05_040	FeMgChlorite	0.797	Illitic Muscovite	0.203	24.633
CGH	05-040.180	CGH_05_040	FeMgChlorite	0.67	Muscovite	0.33	47.17
CGH	05-040.181	CGH_05_040	Illitic Muscovite	0.57	FeMgChlorite	0.43	137.19
CGH	05-040.182	CGH_05_040	Illitic Muscovite	0.515	FeMgChlorite	0.485	67.887
CGH	05-040.183	CGH_05_040	Muscovite	0.61	FeMgChlorite	0.39	71.679
CGH	05-040.184	CGH_05_040	Illitic Muscovite	0.667	Kaolinite PX	0.333	209.48
CGH	05-040.185	CGH_05_040	Montmorillonite	0.648	Illitic Paragonite	0.352	176.37
CGH	05-040.186	CGH_05_040	Muscovite	0.584	Ankerite	0.416	105.74
CGH	05-040.187	CGH_05_040	Montmorillonite	0.781	Epidote	0.219	91.92
CGH	05-040.188	CGH_05_040	FeMgChlorite	0.632	Nacrite	0.368	124.59
CGH	05-040.189	CGH_05_040	FeMgChlorite	0.626	Montmorillonite	0.374	61.194
CGH	05-040.190	CGH_05_040	Illitic Muscovite	0.648	Ankerite	0.352	64.434
CGH	05-040.191	CGH_05_040	Kaolinite WX	0.585	Ankerite	0.415	55.401
CGH	05-040.192	CGH_05_040	Ankerite	0.686	Kaolinite PX	0.314	78.871
CGH	05-040.193	CGH_05_040	Illitic Muscovite	0.643	Kaolinite WX	0.357	88.59
CGH	05-040.194	CGH_05_040	Kaolinite WX	0.616	Illitic Muscovite	0.384	57.29
CGH	05-040.195	CGH_05_040	Kaolinite WX	1	NULL	NULL	67.585
CGH	05-040.196	CGH_05_040	Illitic Muscovite	0.702	Kaolinite WX	0.298	102.97
CGH	05-040.197	CGH_05_040	Kaolinite WX	0.594	Illitic Muscovite	0.406	131.41
CGH	05-040.198	CGH_05_040	Illitic Muscovite	0.7	Montmorillonite	0.3	42.391
CGH	05-040.199	CGH_05_040	Illitic Muscovite	0.682	Montmorillonite	0.318	82.331
CGH	05-040.200	CGH_05_040	Illitic Muscovite	0.634	Ankerite	0.366	61.069
CGH	05-040.201	CGH_05_040	Illitic Muscovite	0.62	Montmorillonite	0.38	92.407
CGH	05-040.202	CGH_05_040	Montmorillonite	0.811	Epidote	0.189	132.35
CGH	05-040.203	CGH_05_040	Calcite	0.559	Illitic Muscovite	0.441	122.08
CGH	05-040.204	CGH_05_040	Montmorillonite	0.535	Illitic Muscovite	0.465	122.81
CGH	05-040.205	CGH_05_040	Montmorillonite	0.521	Illitic Muscovite	0.479	104.28
CGH	05-040.206	CGH_05_040	Kaolinite WX	0.572	Illitic Muscovite	0.428	140.98

CGH	05-040.207	CGH_05_040	Illitic Muscovite	0.518	Montmorillonite	0.482	92.055
CGH	05-040.208	CGH_05_040	Illitic Phengite	0.629	FeMgChlorite	0.371	50.532
CGH	05-040.209	CGH_05_040	Kaolinite WX	0.552	Illitic Muscovite	0.448	151.21
CGH	05-040.210	CGH_05_040	Kaolinite WX	0.725	Montmorillonite	0.275	31.234
CGH	05-040.211	CGH_05_040	Montmorillonite	0.644	Kaolinite PX	0.356	195.63
CGH	05-040.212	CGH_05_040	Kaolinite WX	0.622	Illitic Muscovite	0.378	69.349
CGH	05-040.213	CGH_05_040	FeMgChlorite	0.55	Illitic Muscovite	0.45	22.932
CGH	05-040.214	CGH_05_040	Illitic Muscovite	0.757	Montmorillonite	0.243	67.905
CGH	05-040.215	CGH_05_040	Illitic Muscovite	0.515	FeMgChlorite	0.485	53.858
CGH	05-040.216	CGH_05_040	Illitic Muscovite	0.69	Montmorillonite	0.31	68.069
CGH	05-040.217	CGH_05_040	Illitic Muscovite	1	NULL	NULL	69.073
CGH	05-040.218	CGH_05_040	Illitic Muscovite	1	NULL	NULL	82.807
CGH	05-040.219	CGH_05_040	Illitic Muscovite	0.774	Montmorillonite	0.226	58.881
CGH	05-040.220	CGH_05_040	Illitic Muscovite	0.624	FeChlorite	0.376	51.318
CGH	05-040.221	CGH_05_040	FeMgChlorite	0.55	Illitic Muscovite	0.45	35.283
CGH	05-040.222	CGH_05_040	FeMgChlorite	0.578	Illitic Muscovite	0.422	33.979
CGH	05-040.223	CGH_05_040	Kaolinite WX	0.695	FeMgChlorite	0.305	86.29
CGH	05-040.224	CGH_05_040	Kaolinite WX	0.68	Illitic Muscovite	0.32	83.694
CGH	05-040.225	CGH_05_040	Illitic Muscovite	0.601	Montmorillonite	0.399	162.11
CGH	05-040.226	CGH_05_040	Illitic Muscovite	0.513	Kaolinite WX	0.487	71.182
CGH	05-040.227	CGH_05_040	Illitic Muscovite	0.543	Kaolinite WX	0.457	160.25
CGH	05-040.228	CGH_05_040	FeMgChlorite	0.576	Illitic Muscovite	0.424	50.82
CGH	05-040.229	CGH_05_040	Kaolinite WX	0.549	Illitic Muscovite	0.451	136.99
CGH	05-040.230	CGH_05_040	Illitic Muscovite	0.607	FeMgChlorite	0.393	46.055
CGH	05-040.231	CGH_05_040	Illitic Muscovite	0.51	FeMgChlorite	0.49	37.523
CGH	05-040.232	CGH_05_040	Illitic Muscovite	0.61	Kaolinite PX	0.39	197.82
CGH	05-040.233	CGH_05_040	Illitic Paragonite	0.585	Montmorillonite	0.415	72.798
CGH	05-040.234	CGH_05_040	Muscovite	1	NULL	NULL	107.87
CGH	05-040.235	CGH_05_040	Illitic Muscovite	1	NULL	NULL	90.859
CGH	05-040.236	CGH_05_040	Illitic Paragonite	0.525	Montmorillonite	0.475	55.906
CGH	05-040.237	CGH_05_040	Illitic Muscovite	0.723	Montmorillonite	0.277	30.648
CGH	05-040.238	CGH_05_040	Kaolinite WX	0.788	Illitic Paragonite	0.212	60.105
CGH	05-040.239	CGH_05_040	Illitic Muscovite	1	NULL	NULL	34.673
CGH	05-040.240	CGH_05_040	Montmorillonite	0.564	Illitic Paragonite	0.436	67.239
CGH	05-040.241	CGH_05_040	Illitic Muscovite	1	NULL	NULL	49.519
CGH	05-040.242	CGH_05_040	Illitic Muscovite	0.572	Calcite	0.428	74.641
CGH	05-040.243	CGH_05_040	Illitic Muscovite	0.7	Montmorillonite	0.3	66.513
CGH	05-040.244	CGH_05_040	Kaolinite WX	0.615	Montmorillonite	0.385	49.558
CGH	05-040.245	CGH_05_040	Illitic Muscovite	0.533	Kaolinite WX	0.467	72.512
CGH	05-040.246	CGH_05_040	Montmorillonite	0.556	Illitic Paragonite	0.444	78.126
CGH	05-040.247	CGH_05_040	Montmorillonite	0.557	Illitic Paragonite	0.443	68.866
CGH	05-040.248	CGH_05_040	Illitic Muscovite	0.752	Montmorillonite	0.248	40.211
CGH	05-040.249	CGH_05_040	Illitic Muscovite	0.804	Montmorillonite	0.196	45.977
CGH	05-040.250	CGH_05_040	Muscovite	1	NULL	NULL	52.917
CGH	05-040.251	CGH_05_040	Illitic Muscovite	0.746	Montmorillonite	0.254	53.442
CGH	05-040.252	CGH_05_040	Illitic Paragonite	0.506	Montmorillonite	0.494	59.931
CGH	05-040.253	CGH_05_040	Illitic Muscovite	0.785	Montmorillonite	0.215	51.029
CGH	05-040.254	CGH_05_040	Kaolinite PX	0.559	Illitic Paragonite	0.441	112.53
CGH	05-040.255	CGH_05_040	Illitic Paragonite	0.504	Montmorillonite	0.496	34.045
CGH	05-040.256	CGH_05_040	Illitic Paragonite	0.529	Montmorillonite	0.471	37.449
CGH	05-040.257	CGH_05_040	Montmorillonite	0.542	Illitic Paragonite	0.458	52.756
CGH	05-040.258	CGH_05_040	Illitic Paragonite	0.502	Montmorillonite	0.498	57.281
CGH	05-040.259	CGH_05_040	Illitic Paragonite	0.503	Montmorillonite	0.497	59.581
CGH	05-040.260	CGH_05_040	Illitic Muscovite	0.768	Montmorillonite	0.232	67.138

CGH	05-040.261	CGH_05_040	Muscovite	0.681	Siderite	0.319	41.44
CGH	05-040.262	CGH_05_040	Muscovite	0.686	Siderite	0.314	40.256
CGH	05-040.263	CGH_05_040	Illitic Muscovite	1	NULL	NULL	84.291
CGH	05-040.264	CGH_05_040	Illitic Muscovite	0.724	Montmorillonite	0.276	57.601
CGH	05-040.265	CGH_05_040	Muscovite	1	NULL	NULL	62.894
CGH	05-040.266	CGH_05_040	Illitic Muscovite	1	NULL	NULL	102.65
CGH	05-040.267	CGH_05_040	Illitic Muscovite	0.654	Siderite	0.346	82.898
CGH	05-040.268	CGH_05_040	Illitic Muscovite	1	NULL	NULL	53.459
CGH	05-040.269	CGH_05_040	Illitic Muscovite	0.735	Kaolinite PX	0.265	123.2
CGH	05-040.270	CGH_05_040	Illitic Muscovite	0.794	Kaolinite PX	0.206	85.455
CGH	05-040.271	CGH_05_040	Illitic Muscovite	1	NULL	NULL	80.114
CGH	05-040.272	CGH_05_040	Illitic Muscovite	0.514	Montmorillonite	0.486	77.33
CGH	05-040.273	CGH_05_040	Illitic Muscovite	0.732	Kaolinite PX	0.268	179.51
CGH	05-040.274	CGH_05_040	Illitic Muscovite	1	NULL	NULL	73.561
CGH	05-040.275	CGH_05_040	Illitic Paragonite	0.515	Montmorillonite	0.485	79.901
CGH	05-040.276	CGH_05_040	Illitic Muscovite	0.744	Montmorillonite	0.256	37.713
CGH	05-040.277	CGH_05_040	Montmorillonite	0.501	Illitic Paragonite	0.499	62.358
CGH	05-040.278	CGH_05_040	Illitic Muscovite	0.724	Montmorillonite	0.276	92.475
CGH	05-040.279	CGH_05_040	Illitic Muscovite	0.688	Montmorillonite	0.312	66.793
CGH	05-040.280	CGH_05_040	Illitic Muscovite	0.696	Montmorillonite	0.304	52.126
CGH	05-040.281	CGH_05_040	Illitic Muscovite	0.744	Magnesium Clays	0.256	64.479
CGH	05-040.282	CGH_05_040	Illitic Muscovite	0.679	Montmorillonite	0.321	40.007
CGH	05-040.283	CGH_05_040	Illitic Muscovite	0.744	Montmorillonite	0.256	43.88
CGH	05-040.284	CGH_05_040	Montmorillonite	0.669	Kaolinite PX	0.331	139.76
CGH	05-040.285	CGH_05_040	Kaolinite WX	0.645	Montmorillonite	0.355	59.986
CGH	05-040.286	CGH_05_040	Montmorillonite	0.535	Illitic Muscovite	0.465	68.242
CGH	05-040.287	CGH_05_040	Kaolinite WX	0.69	Montmorillonite	0.31	51.424
CGH	05-040.288	CGH_05_040	Kaolinite WX	0.755	Illitic Muscovite	0.245	41.898
CGH	05-040.289	CGH_05_040	Kaolinite WX	0.668	Illitic Muscovite	0.332	40.591
CGH	05-040.290	CGH_05_040	Illitic Muscovite	0.637	Montmorillonite	0.363	68.489
CGH	05-040.291	CGH_05_040	Kaolinite WX	0.615	FeMgChlorite	0.385	64.541
CGH	05-040.292	CGH_05_040	Illitic Muscovite	0.566	FeMgChlorite	0.434	42.854
CGH	05-040.293	CGH_05_040	Kaolinite WX	0.658	Illitic Muscovite	0.342	85.861
CGH	05-040.294	CGH_05_040	Illitic Muscovite	0.509	FeMgChlorite	0.491	49.177
CGH	05-040.295	CGH_05_040	Montmorillonite	0.613	Kaolinite PX	0.387	122.13
CGH	05-040.296	CGH_05_040	Kaolinite WX	0.68	Illitic Muscovite	0.32	53.011
CGH	05-040.297	CGH_05_040	Illitic Muscovite	1	NULL	NULL	100.54
CGH	05-040.298	CGH_05_040	Kaolinite WX	0.837	MgChlorite	0.163	21.476
CGH	05-040.299	CGH_05_040	Kaolinite WX	0.718	Illitic Muscovite	0.282	46.287
CGH	05-040.300	CGH_05_040	Kaolinite WX	0.524	Illitic Muscovite	0.476	79.62
CGH	05-040.301	CGH_05_040	Kaolinite WX	0.604	Illitic Muscovite	0.396	113.03
CGH	05-040.302	CGH_05_040	Kaolinite WX	0.687	Illitic Muscovite	0.313	53.291
CGH	05-040.303	CGH_05_040	Kaolinite WX	0.638	Illitic Muscovite	0.362	52.643
CGH	05-040.304	CGH_05_040	Illitic Muscovite	0.649	Montmorillonite	0.351	62.883
CGH	05-040.305	CGH_05_040	Kaolinite WX	1	NULL	NULL	62.477
CGH	05-040.306	CGH_05_040	Illitic Muscovite	0.733	Kaolinite PX	0.267	136.87
CGH	05-040.307	CGH_05_040	Kaolinite PX	0.55	Illitic Muscovite	0.45	206.45
CGH	05-040.308	CGH_05_040	Illitic Muscovite	0.712	Montmorillonite	0.288	54.079
CGH	05-040.309	CGH_05_040	Illitic Muscovite	0.642	Kaolinite WX	0.358	57.972
CGH	05-040.310	CGH_05_040	Illitic Muscovite	0.778	Montmorillonite	0.222	46.094
CGH	05-040.311	CGH_05_040	Illitic Muscovite	0.738	Montmorillonite	0.262	77.128
CGH	05-040.312	CGH_05_040	Illitic Muscovite	0.709	Kaolinite PX	0.291	108.39
CGH	05-040.313	CGH_05_040	Kaolinite WX	0.718	Illitic Muscovite	0.282	80.941
CGH	05-040.314	CGH_05_040	Kaolinite WX	0.8	Illitic Muscovite	0.2	52.092

CGH	05-040.315	CGH_05_040	Muscovite	0.61	Ankerite	0.39	78.718
CGH	05-040.316	CGH_05_040	Kaolinite WX	1	NULL	NULL	64.814
CGH	05-040.317	CGH_05_040	Kaolinite WX	1	NULL	NULL	58.541
CGH	05-040.318	CGH_05_040	Illitic Muscovite	0.768	Ankerite	0.232	80.576
CGH	05-040.319	CGH_05_040	Kaolinite WX	0.555	Illitic Muscovite	0.445	69.168
CGH	05-040.320	CGH_05_040	Kaolinite WX	1	NULL	NULL	77.73
CGH	05-040.321	CGH_05_040	Kaolinite WX	0.658	Illitic Muscovite	0.342	69.129
CGH	05-040.322	CGH_05_040	Illitic Muscovite	0.678	Kaolinite WX	0.322	85.06
CGH	05-040.323	CGH_05_040	Illitic Muscovite	0.671	Kaolinite PX	0.329	126.85
CGH	05-040.324	CGH_05_040	Illitic Muscovite	0.678	Kaolinite PX	0.322	111.95
CGH	05-040.325	CGH_05_040	Illitic Muscovite	0.57	Kaolinite PX	0.43	159.9
CGH	05-040.326	CGH_05_040	Illitic Muscovite	0.532	Kaolinite WX	0.468	65.551
CGH	05-040.327	CGH_05_040	Kaolinite WX	0.7	Montmorillonite	0.3	47.388
CGH	05-040.328	CGH_05_040	Kaolinite WX	1	NULL	NULL	56.899
CGH	05-040.329	CGH_05_040	Kaolinite WX	0.715	Illitic Muscovite	0.285	76.868
CGH	05-040.330	CGH_05_040	Illitic Muscovite	0.72	Kaolinite PX	0.28	70
CGH	05-040.331	CGH_05_040	Illitic Muscovite	0.751	Kaolinite PX	0.249	77.48
CGH	05-040.332	CGH_05_040	Kaolinite WX	0.55	Siderite	0.45	44.635
CGH	05-040.333	CGH_05_040	Kaolinite WX	0.779	Ankerite	0.221	81.113
CGH	05-040.334	CGH_05_040	Kaolinite WX	1	NULL	NULL	47.313
CGH	05-040.335	CGH_05_040	Kaolinite WX	0.815	Illitic Paragonite	0.185	50.929
CGH	05-040.336	CGH_05_040	Kaolinite WX	0.788	Illitic Paragonite	0.212	74.897
CGH	05-040.337	CGH_05_040	Illitic Muscovite	1	NULL	NULL	75.395
CGH	06-096.037	CGH_06-096	Illitic Muscovite	0.649	Montmorillonite	0.351	67.078
CGH	06-096.038	CGH_06-096	Illitic Phengite	0.648	FeMgChlorite	0.352	40.197
CGH	06-096.039	CGH_06-096	Muscovite	1	NULL	NULL	163.52
CGH	06-096.040	CGH_06-096	FeMgChlorite	0.571	Illitic Muscovite	0.429	46.993
CGH	06-096.041	CGH_06-096	Illitic Muscovite	0.503	FeMgChlorite	0.497	33.55
CGH	06-096.042	CGH_06-096	FeMgChlorite	0.51	Illitic Muscovite	0.49	46.752
CGH	06-096.043	CGH_06-096	Montmorillonite	0.694	Epidote	0.306	196.65
CGH	06-096.044	CGH_06-096	MgChlorite	0.584	Muscovite	0.416	122.52
CGH	06-096.045	CGH_06-096	Illitic Muscovite	0.504	FeMgChlorite	0.496	56.258
CGH	06-096.046	CGH_06-096	Montmorillonite	1	NULL	NULL	290.21
CGH	06-096.047	CGH_06-096	FeMgChlorite	0.543	Illitic Muscovite	0.457	95.942
CGH	06-096.048	CGH_06-096	Illitic Muscovite	0.539	FeMgChlorite	0.461	65.962
CGH	06-096.049	CGH_06-096	Illitic Muscovite	0.592	FeMgChlorite	0.408	35.982
CGH	06-096.050	CGH_06-096	Illitic Muscovite	0.538	FeMgChlorite	0.462	36.952
CGH	06-096.051	CGH_06-096	Muscovite	0.568	Kaolinite WX	0.432	128.72
CGH	06-096.052	CGH_06-096	Illitic Muscovite	1	NULL	NULL	62.28
CGH	06-096.053	CGH_06-096	Illitic Muscovite	0.756	Montmorillonite	0.244	68.617
CGH	06-096.054	CGH_06-096	Illitic Muscovite	0.59	Kaolinite WX	0.41	93.581
CGH	06-096.055	CGH_06-096	Illitic Muscovite	0.53	FeMgChlorite	0.47	42.379
CGH	06-096.056	CGH_06-096	Montmorillonite	0.753	Epidote	0.247	221.56
CGH	06-096.057	CGH_06-096	FeMgChlorite	0.539	Illitic Muscovite	0.461	31.746
CGH	06-096.058	CGH_06-096	FeMgChlorite	0.685	Illitic Muscovite	0.315	25.684
CGH	06-096.059	CGH_06-096	Muscovite	1	NULL	NULL	405.94
CGH	06-096.060	CGH_06-096	Illitic Phengite	0.578	Montmorillonite	0.422	58.334
CGH	06-096.061	CGH_06-096	FeMgChlorite	0.789	Muscovite	0.211	22.701
CGH	06-096.062	CGH_06-096	Muscovite	0.582	Siderite	0.418	115.47
CGH	06-096.063	CGH_06-096	MgChlorite	0.515	Illitic Muscovite	0.485	102.76
CGH	06-096.064	CGH_06-096	FeMgChlorite	0.572	Illitic Muscovite	0.428	55.406
CGH	06-096.065	CGH_06-096	Illitic Muscovite	0.691	Montmorillonite	0.309	87.995
CGH	06-096.066	CGH_06-096	NULL	NULL	NULL	NULL	NULL
CGH	06-096.067	CGH_06-096	FeMgChlorite	0.573	Illitic Muscovite	0.427	42.156

CGH	06-096.068	CGH_06-096	Kaolinite WX	0.589	Illitic Muscovite	0.411	116.16
CGH	06-096.069	CGH_06-096	Illitic Muscovite	0.612	FeMgChlorite	0.388	123.43
CGH	06-096.070	CGH_06-096	Illitic Muscovite	0.656	Kaolinite PX	0.344	230.23
CGH	06-096.071	CGH_06-096	FeMgChlorite	0.517	Illitic Muscovite	0.483	33.269
CGH	06-096.072	CGH_06-096	Illitic Muscovite	0.717	Montmorillonite	0.283	79.301
CGH	06-096.073	CGH_06-096	Illitic Muscovite	1	NULL	NULL	61.542
CGH	06-096.074	CGH_06-096	Illitic Muscovite	0.579	FeMgChlorite	0.421	31.059
CGH	06-096.075	CGH_06-096	Illitic Muscovite	1	NULL	NULL	56.678
CGH	06-096.076	CGH_06-096	Illitic Muscovite	0.753	Montmorillonite	0.247	42.356
CGH	06-096.077	CGH_06-096	Illitic Muscovite	0.576	FeMgChlorite	0.424	40.94
CGH	06-096.078	CGH_06-096	Illitic Muscovite	0.58	Montmorillonite	0.42	109.6
CGH	06-096.079	CGH_06-096	Illitic Muscovite	0.729	Montmorillonite	0.271	54.407
CGH	06-096.080	CGH_06-096	Illitic Muscovite	0.525	FeMgChlorite	0.475	37.397
CGH	06-096.081	CGH_06-096	Illitic Muscovite	0.764	Calcite	0.236	112.23
CGH	06-096.082	CGH_06-096	Illitic Muscovite	0.599	FeMgChlorite	0.401	53.46
CGH	06-096.083	CGH_06-096	Montmorillonite	0.602	Illitic Paragonite	0.398	97.747
CGH	06-096.084	CGH_06-096	FeMgChlorite	0.609	Muscovite	0.391	26.959
CGH	06-096.085	CGH_06-096	Illitic Muscovite	0.553	FeMgChlorite	0.447	43.139
CGH	06-096.086	CGH_06-096	Illitic Muscovite	0.609	FeMgChlorite	0.391	44.631
CGH	06-096.087	CGH_06-096	FeMgChlorite	0.516	Illitic Muscovite	0.484	35.723
CGH	06-096.088	CGH_06-096	Illitic Muscovite	0.697	Montmorillonite	0.303	119.79
CGH	06-096.089	CGH_06-096	Illitic Muscovite	0.598	Kaolinite WX	0.402	141.14
CGH	06-096.090	CGH_06-096	Illitic Muscovite	0.547	Montmorillonite	0.453	40.812
CGH	06-096.091	CGH_06-096	Illitic Muscovite	0.595	Montmorillonite	0.405	44.763
CGH	06-096.092	CGH_06-096	Illitic Muscovite	0.567	Montmorillonite	0.433	39.781
CGH	06-096.093	CGH_06-096	Illitic Muscovite	0.581	Montmorillonite	0.419	62.265
CGH	06-096.094	CGH_06-096	Illitic Muscovite	0.602	Montmorillonite	0.398	44.254
CGH	06-096.095	CGH_06-096	Illitic Muscovite	0.681	Montmorillonite	0.319	51.629
CGH	06-096.096	CGH_06-096	Illitic Muscovite	0.683	Ankerite	0.317	92.386
CGH	06-096.097	CGH_06-096	Illitic Muscovite	0.671	Montmorillonite	0.329	50.783
CGH	06-096.098	CGH_06-096	Illitic Muscovite	0.693	Kaolinite PX	0.307	103.05
CGH	06-096.099	CGH_06-096	Illitic Muscovite	0.683	Kaolinite WX	0.317	124.2
CGH	06-096.100	CGH_06-096	Illitic Muscovite	0.595	Montmorillonite	0.405	86.456
CGH	06-096.101	CGH_06-096	Illitic Muscovite	0.699	Montmorillonite	0.301	90.472
CGH	06-096.102	CGH_06-096	Illitic Muscovite	0.635	Montmorillonite	0.365	47.204
CGH	06-096.103	CGH_06-096	Illitic Muscovite	0.691	Montmorillonite	0.309	43.552
CGH	06-096.104	CGH_06-096	Illitic Muscovite	1	NULL	NULL	93.124
CGH	06-096.105	CGH_06-096	Illitic Muscovite	1	NULL	NULL	60.528
CGH	06-096.106	CGH_06-096	Illitic Muscovite	0.676	Montmorillonite	0.324	54.755
CGH	06-096.107	CGH_06-096	Illitic Muscovite	1	NULL	NULL	45.442
CGH	06-096.108	CGH_06-096	Illitic Muscovite	1	NULL	NULL	96.484
CGH	06-096.109	CGH_06-096	Illitic Muscovite	0.619	FeMgChlorite	0.381	33.099
CGH	06-096.110	CGH_06-096	Illitic Muscovite	1	NULL	NULL	94.841
CGH	06-096.111	CGH_06-096	Illitic Muscovite	0.75	Montmorillonite	0.25	48.529
CGH	06-096.112	CGH_06-096	Illitic Muscovite	0.686	Montmorillonite	0.314	63.367
CGH	06-096.113	CGH_06-096	Illitic Muscovite	0.731	Montmorillonite	0.269	41.597
CGH	06-096.114	CGH_06-096	Illitic Muscovite	0.774	Montmorillonite	0.226	52.103
CGH	06-096.115	CGH_06-096	Illitic Muscovite	0.686	Montmorillonite	0.314	65.977
CGH	06-096.116	CGH_06-096	Illitic Muscovite	0.579	FeMgChlorite	0.421	44.33
CGH	06-096.117	CGH_06-096	Illitic Muscovite	0.634	Montmorillonite	0.366	61.4
CGH	06-096.118	CGH_06-096	Illitic Muscovite	0.635	Montmorillonite	0.365	53.676
CGH	06-096.119	CGH_06-096	Illitic Muscovite	0.585	FeMgChlorite	0.415	32.541
CGH	06-096.120	CGH_06-096	Illitic Muscovite	0.615	FeMgChlorite	0.385	47.244
CGH	06-096.121	CGH_06-096	Illitic Muscovite	0.647	FeMgChlorite	0.353	43.922

CGH	06-096.122	CGH_06-096	Illitic Muscovite	0.773	Montmorillonite	0.227	42.607
CGH	06-096.123	CGH_06-096	MgChlorite	0.645	Muscovite	0.355	140.06
CGH	06-096.124	CGH_06-096	Illitic Muscovite	0.701	FeMgChlorite	0.299	81.973
CGH	06-096.125	CGH_06-096	Illitic Muscovite	0.675	Montmorillonite	0.325	120.06
CGH	06-096.126	CGH_06-096	Illitic Muscovite	1	NULL	NULL	90.918
CGH	06-096.127	CGH_06-096	Illitic Muscovite	0.62	Kaolinite WX	0.38	159.2
CGH	06-096.128	CGH_06-096	Illitic Muscovite	0.678	Montmorillonite	0.322	86.203
CGH	06-096.129	CGH_06-096	Illitic Muscovite	0.656	Calcite	0.344	66.792
CGH	06-096.130	CGH_06-096	Illitic Muscovite	0.727	Magnesium Clays	0.273	71.371
CGH	06-096.131	CGH_06-096	Illitic Muscovite	0.555	Montmorillonite	0.445	105.22
CGH	06-096.132	CGH_06-096	Kaolinite WX	0.587	Illitic Muscovite	0.413	56.26
CGH	06-096.133	CGH_06-096	FeMgChlorite	0.56	Illitic Muscovite	0.44	32.177
CGH	06-096.134	CGH_06-096	Illitic Muscovite	1	NULL	NULL	55.728
CGH	06-096.135	CGH_06-096	Illitic Muscovite	0.624	FeMgChlorite	0.376	35.669
CGH	06-096.136	CGH_06-096	Illitic Muscovite	0.57	FeMgChlorite	0.43	29.123
CGH	06-096.137	CGH_06-096	Illitic Muscovite	0.788	Magnesium Clays	0.212	59.393
CGH	06-096.138	CGH_06-096	Illitic Muscovite	0.597	FeMgChlorite	0.403	27.701
CGH	06-096.139	CGH_06-096	Illitic Muscovite	0.558	FeMgChlorite	0.442	33.567
CGH	06-096.140	CGH_06-096	Illitic Muscovite	0.62	FeMgChlorite	0.38	37.355
CGH	06-096.141	CGH_06-096	Illitic Muscovite	1	NULL	NULL	61.876
CGH	06-096.142	CGH_06-096	Illitic Muscovite	0.506	FeMgChlorite	0.494	28.384
CGH	06-096.143	CGH_06-096	FeMgChlorite	0.67	Illitic Muscovite	0.33	37.015
CGH	06-096.144	CGH_06-096	FeMgChlorite	0.542	Illitic Muscovite	0.458	37.466
CGH	06-096.145	CGH_06-096	FeMgChlorite	0.539	Illitic Muscovite	0.461	31.07
CGH	06-096.146	CGH_06-096	Illitic Muscovite	0.628	Calcite	0.372	121.99
CGH	06-096.147	CGH_06-096	FeMgChlorite	0.693	Illitic Muscovite	0.307	23.24
CGH	06-096.148	CGH_06-096	FeMgChlorite	1	NULL	NULL	138.86
CGH	06-096.149	CGH_06-096	FeMgChlorite	0.559	Illitic Muscovite	0.441	70.289
CGH	06-096.150	CGH_06-096	Illitic Muscovite	0.705	Ankerite	0.295	142.68
CGH	06-096.151	CGH_06-096	FeMgChlorite	0.666	Illitic Muscovite	0.334	25.532
CGH	06-096.152	CGH_06-096	Illitic Muscovite	0.626	FeMgChlorite	0.374	44.214
CGH	06-096.153	CGH_06-096	Illitic Muscovite	0.619	Kaolinite WX	0.381	168.2
CGH	06-096.154	CGH_06-096	Illitic Muscovite	0.557	Montmorillonite	0.443	85.118
CGH	06-096.155	CGH_06-096	Illitic Muscovite	0.552	FeMgChlorite	0.448	60.238
CGH	06-096.156	CGH_06-096	Illitic Muscovite	0.546	FeMgChlorite	0.454	58.791
CGH	06-096.157	CGH_06-096	Illitic Muscovite	0.527	FeMgChlorite	0.473	42.222
CGH	06-096.158	CGH_06-096	FeMgChlorite	0.525	Illitic Muscovite	0.475	44.598
CGH	06-096.159	CGH_06-096	Illitic Muscovite	0.527	FeMgChlorite	0.473	55.093
CGH	06-096.160	CGH_06-096	Illitic Muscovite	1	NULL	NULL	70.474
CGH	06-096.161	CGH_06-096	Illitic Muscovite	0.73	Ankerite	0.27	102
CGH	06-096.162	CGH_06-096	Illitic Muscovite	0.617	Montmorillonite	0.383	70.81
CGH	06-096.163	CGH_06-096	Illitic Muscovite	0.56	FeMgChlorite	0.44	61.981
CGH	06-096.164	CGH_06-096	Illitic Muscovite	1	NULL	NULL	210.72
CGH	06-096.165	CGH_06-096	Illitic Muscovite	1	NULL	NULL	186.31
CGH	06-096.166	CGH_06-096	Illitic Muscovite	0.651	Montmorillonite	0.349	119.9
CGH	06-096.167	CGH_06-096	FeMgChlorite	0.659	Illitic Muscovite	0.341	28.47
CGH	06-096.168	CGH_06-096	Illitic Muscovite	0.56	FeMgChlorite	0.44	45.168
CGH	06-096.169	CGH_06-096	Illitic Muscovite	0.728	Montmorillonite	0.272	66.266
CGH	06-096.170	CGH_06-096	Illitic Muscovite	0.642	FeMgChlorite	0.358	43.692
CGH	06-096.171	CGH_06-096	Illitic Muscovite	0.607	MgChlorite	0.393	76.34
CGH	06-096.172	CGH_06-096	Illitic Muscovite	0.593	Montmorillonite	0.407	145.02
CGH	06-096.173	CGH_06-096	Illitic Muscovite	0.523	MgChlorite	0.477	64.122
CGH	06-096.174	CGH_06-096	FeMgChlorite	0.523	Illitic Muscovite	0.477	61.628
CGH	06-096.175	CGH_06-096	FeMgChlorite	0.527	Illitic Muscovite	0.473	113.69

CGH	06-096.176	CGH_06-096	Illitic Muscovite	0.517	FeMgChlorite	0.483	93.748
CGH	06-096.177	CGH_06-096	Illitic Muscovite	0.541	Montmorillonite	0.459	150.49
CGH	06-096.178	CGH_06-096	FeMgChlorite	0.613	Illitic Muscovite	0.387	84.087
CGH	06-096.179	CGH_06-096	FeMgChlorite	0.665	Illitic Muscovite	0.335	37.121
CGH	06-096.180	CGH_06-096	Illitic Muscovite	0.638	MgChlorite	0.362	101.86
CGH	06-096.181	CGH_06-096	FeMgChlorite	0.52	Illitic Muscovite	0.48	58.564
CGH	06-096.182	CGH_06-096	FeMgChlorite	0.611	Illitic Muscovite	0.389	35.55
CGH	06-096.183	CGH_06-096	FeMgChlorite	0.654	Calcite	0.346	74.984
CGH	06-096.184	CGH_06-096	FeMgChlorite	0.733	Illitic Muscovite	0.267	22.057
CGH	06-096.185	CGH_06-096	FeMgChlorite	0.834	Illitic Muscovite	0.166	27.132
CGH	06-096.186	CGH_06-096	Illitic Muscovite	1	NULL	NULL	81.526
CGH	06-096.187	CGH_06-096	Illitic Muscovite	0.555	FeMgChlorite	0.445	39.223
CGH	06-096.188	CGH_06-096	Illitic Muscovite	0.601	FeMgChlorite	0.399	42.989
CGH	06-096.189	CGH_06-096	FeMgChlorite	0.598	Illitic Muscovite	0.402	31.288
CGH	06-096.190	CGH_06-096	Illitic Muscovite	1	NULL	NULL	106.52
CGH	06-096.191	CGH_06-096	Illitic Muscovite	0.624	Kaolinite WX	0.376	85.559
CGH	06-096.192	CGH_06-096	Illitic Muscovite	0.657	Kaolinite WX	0.343	89.051
CGH	06-096.193	CGH_06-096	Illitic Muscovite	1	NULL	NULL	49.789
CGH	06-096.194	CGH_06-096	Illitic Muscovite	0.68	Montmorillonite	0.32	45.351
CGH	06-096.199	CGH_06-096	Illitic Muscovite	0.627	Montmorillonite	0.373	86.676
CGH	06-096.200	CGH_06-096	Illitic Muscovite	0.69	Montmorillonite	0.31	98.01
CGH	06-096.201	CGH_06-096	Illitic Muscovite	1	NULL	NULL	109.78
CGH	06-096.202	CGH_06-096	Illitic Muscovite	0.55	FeMgChlorite	0.45	31.562
CGH	06-096.203	CGH_06-096	Illitic Muscovite	0.547	FeMgChlorite	0.453	39.521
CGH	06-096.204	CGH_06-096	Illitic Muscovite	1	NULL	NULL	133.17
CGH	06-096.205	CGH_06-096	Illitic Muscovite	0.737	Montmorillonite	0.263	60.029
CGH	06-096.206	CGH_06-096	Illitic Muscovite	0.696	Montmorillonite	0.304	87.19
CGH	06-096.207	CGH_06-096	Illitic Muscovite	0.586	FeMgChlorite	0.414	50.341
CGH	06-096.208	CGH_06-096	Illitic Muscovite	0.583	Montmorillonite	0.417	78.735
CGH	06-096.209	CGH_06-096	Illitic Muscovite	0.76	Montmorillonite	0.24	66.566
CGH	06-096.210	CGH_06-096	Illitic Muscovite	0.763	Montmorillonite	0.237	73.182
CGH	06-096.211	CGH_06-096	Illitic Muscovite	0.678	Montmorillonite	0.322	90.23
CGH	06-096.212	CGH_06-096	Illitic Muscovite	0.515	FeMgChlorite	0.485	28.558
CGH	06-096.213	CGH_06-096	Illitic Muscovite	0.542	FeMgChlorite	0.458	39.495
CGH	06-096.214	CGH_06-096	Illitic Muscovite	0.557	FeMgChlorite	0.443	111.29
CGH	06-096.215	CGH_06-096	Illitic Muscovite	0.578	Montmorillonite	0.422	84.311
CGH	06-096.216	CGH_06-096	Illitic Muscovite	0.625	Montmorillonite	0.375	68.324
CGH	06-096.217	CGH_06-096	Illitic Muscovite	0.522	Montmorillonite	0.478	47.506
CGH	06-096.218	CGH_06-096	Illitic Muscovite	0.59	Nacrite	0.41	96.338
CGH	06-096.219	CGH_06-096	Illitic Muscovite	0.65	Montmorillonite	0.35	77.958
CGH	06-096.220	CGH_06-096	Illitic Muscovite	0.608	Montmorillonite	0.392	123.78
CGH	06-096.221	CGH_06-096	Illitic Muscovite	0.624	Montmorillonite	0.376	71.788
CGH	06-096.222	CGH_06-096	Illitic Muscovite	1	NULL	NULL	134.73
CGH	06-096.223	CGH_06-096	FeMgChlorite	0.518	Illitic Muscovite	0.482	35.439
CGH	06-096.224	CGH_06-096	Illitic Muscovite	0.62	FeMgChlorite	0.38	50.858
CGH	06-096.225	CGH_06-096	Illitic Muscovite	0.781	Montmorillonite	0.219	59.125
CGH	06-096.226	CGH_06-096	Illitic Muscovite	0.612	FeChlorite	0.388	75.326
CGH	06-096.227	CGH_06-096	FeChlorite	0.755	Illitic Muscovite	0.245	42.238
CGH	06-096.228	CGH_06-096	Illitic Muscovite	0.611	FeMgChlorite	0.389	40.328
CGH	06-096.229	CGH_06-096	Illitic Muscovite	1	NULL	NULL	108.78
CGH	06-096.230	CGH_06-096	FeMgChlorite	0.542	Illitic Muscovite	0.458	27.487
CGH	06-096.231	CGH_06-096	Illitic Muscovite	0.607	FeMgChlorite	0.393	34.859
CGH	06-096.232	CGH_06-096	Illitic Muscovite	0.783	Calcite	0.217	84.791
CGH	06-096.233	CGH_06-096	Illitic Muscovite	0.5	FeMgChlorite	0.5	40.368

CGH	06-096.234	CGH_06-096	Illitic Muscovite	0.714	Montmorillonite	0.286	92.686
CGH	06-096.235	CGH_06-096	Illitic Muscovite	1	NULL	NULL	62.925
CGH	06-096.236	CGH_06-096	Illitic Muscovite	0.722	Montmorillonite	0.278	76.174
CGH	06-096.237	CGH_06-096	Illitic Muscovite	0.677	Montmorillonite	0.323	89.817
CGH	06-096.238	CGH_06-096	Illitic Muscovite	0.557	Montmorillonite	0.443	87.726
CGH	06-096.239	CGH_06-096	Illitic Muscovite	0.591	Kaolinite PX	0.409	164.72
CGH	06-096.240	CGH_06-096	Montmorillonite	0.609	Kaolinite PX	0.391	133.7
CGH	06-096.241	CGH_06-096	Illitic Muscovite	0.589	Montmorillonite	0.411	100.87
CGH	06-096.242	CGH_06-096	FeMgChlorite	0.549	Illitic Muscovite	0.451	30.058
CGH	06-096.243	CGH_06-096	FeMgChlorite	0.537	Illitic Muscovite	0.463	47.418
CGH	06-096.244	CGH_06-096	Muscovite	0.845	Epidote	0.155	129.73
CGH	06-096.245	CGH_06-096	Illitic Muscovite	0.545	Montmorillonite	0.455	101.04
CGH	06-096.246	CGH_06-096	Muscovite	0.764	Ankerite	0.236	98.593
CGH	06-096.247	CGH_06-096	Illitic Phengite	0.633	Montmorillonite	0.367	86.766
CGH	06-096.248	CGH_06-096	FeMgChlorite	0.513	Illitic Muscovite	0.487	42.5
CGH	06-096.249	CGH_06-096	Illitic Muscovite	0.582	Kaolinite PX	0.418	155.31
CGH	06-096.250	CGH_06-096	Illitic Muscovite	0.517	FeMgChlorite	0.483	41.634
CGH	06-096.251	CGH_06-096	Illitic Muscovite	0.624	FeMgChlorite	0.376	49.659
CGH	06-096.252	CGH_06-096	FeMgChlorite	0.669	Muscovite	0.331	16.736
CGH	06-096.253	CGH_06-096	Illitic Muscovite	0.835	Calcite	0.165	62.075
CGH	06-096.254	CGH_06-096	Illitic Muscovite	0.739	Calcite	0.261	120.84
CGH	06-096.255	CGH_06-096	Illitic Muscovite	0.609	FeChlorite	0.391	72.928
CGH	06-096.256	CGH_06-096	Illitic Muscovite	0.639	FeChlorite	0.361	64.425
CGH	06-108.009	CGH_06_108	FeChlorite	0.691	Montmorillonite	0.309	30.154
CGH	06-108.010	CGH_06_108	Illitic Muscovite	0.588	Montmorillonite	0.412	157.87
CGH	06-108.011	CGH_06_108	Illitic Muscovite	0.573	Montmorillonite	0.427	138.48
CGH	06-108.012	CGH_06_108	Muscovite	0.566	Kaolinite WX	0.434	134.49
CGH	06-108.013	CGH_06_108	FeMgChlorite	0.563	Illitic Muscovite	0.437	67.917
CGH	06-108.014	CGH_06_108	Illitic Muscovite	0.586	Montmorillonite	0.414	150.86
CGH	06-108.015	CGH_06_108	Kaolinite WX	0.745	Ankerite	0.255	19.289
CGH	06-108.016	CGH_06_108	Kaolinite WX	0.741	Illitic Muscovite	0.259	110.32
CGH	06-108.017	CGH_06_108	NULL	NULL	NULL	NULL	NULL
CGH	06-108.018	CGH_06_108	Kaolinite WX	0.599	Illitic Muscovite	0.401	108.58
CGH	06-108.019	CGH_06_108	Illitic Muscovite	0.686	Kaolinite PX	0.314	221.98
CGH	06-108.020	CGH_06_108	FeMgChlorite	0.671	Illitic Muscovite	0.329	33.56
CGH	06-108.021	CGH_06_108	FeMgChlorite	0.702	Illitic Muscovite	0.298	42.044
CGH	06-108.022	CGH_06_108	Kaolinite WX	0.584	FeMgChlorite	0.416	77.749
CGH	06-108.023	CGH_06_108	Kaolinite WX	0.633	FeMgChlorite	0.367	63.786
CGH	06-108.024	CGH_06_108	Kaolinite WX	0.807	Epidote	0.193	140.15
CGH	06-108.025	CGH_06_108	Kaolinite WX	0.683	Montmorillonite	0.317	56.845
CGH	06-108.026	CGH_06_108	Kaolinite WX	0.616	Illitic Muscovite	0.384	99.22
CGH	06-108.027	CGH_06_108	Kaolinite WX	0.725	Illitic Muscovite	0.275	105.19
CGH	06-108.028	CGH_06_108	Illitic Muscovite	0.503	FeMgChlorite	0.497	40.869
CGH	06-108.029	CGH_06_108	Illitic Muscovite	0.55	FeMgChlorite	0.45	120.21
CGH	06-108.030	CGH_06_108	FeMgChlorite	0.506	Kaolinite PX	0.494	114.25
CGH	06-108.031	CGH_06_108	Illitic Muscovite	0.524	Kaolinite WX	0.476	137.71
CGH	06-108.032	CGH_06_108	FeMgChlorite	0.618	Muscovite	0.382	21.65
CGH	06-108.033	CGH_06_108	FeMgChlorite	0.651	Illitic Muscovite	0.349	34.084
CGH	06-108.034	CGH_06_108	FeMgChlorite	0.683	Muscovite	0.317	26.571
CGH	06-108.035	CGH_06_108	Gypsum	1	NULL	NULL	301.79
CGH	06-108.036	CGH_06_108	Kaolinite WX	0.829	Gypsum	0.171	349.83
CGH	06-108.037	CGH_06_108	Montmorillonite	0.822	Epidote	0.178	120.86
CGH	06-108.038	CGH_06_108	FeMgChlorite	0.608	Illitic Muscovite	0.392	25.262
CGH	06-108.039	CGH_06_108	FeMgChlorite	0.611	Illitic Muscovite	0.389	23.706

CGH	06-108.040	CGH_06_108	Kaolinite WX	0.575	Montmorillonite	0.425	90.255
CGH	06-108.041	CGH_06_108	FeMgChlorite	0.725	Muscovite	0.275	27.696
CGH	06-108.042	CGH_06_108	FeMgChlorite	0.743	Illitic Muscovite	0.257	22.321
CGH	06-108.043	CGH_06_108	FeMgChlorite	0.667	Muscovite	0.333	50.418
CGH	06-108.044	CGH_06_108	FeChlorite	0.642	Kaolinite PX	0.358	88.841
CGH	06-108.045	CGH_06_108	Kaolinite PX	0.619	Epidote	0.381	396.96
CGH	06-108.046	CGH_06_108	FeChlorite	0.684	Calcite	0.316	57.211
CGH	06-108.047	CGH_06_108	FeMgChlorite	0.572	Illitic Muscovite	0.428	75.766
CGH	06-108.048	CGH_06_108	FeMgChlorite	0.706	Illitic Muscovite	0.294	26.048
CGH	06-108.049	CGH_06_108	FeMgChlorite	0.656	Illitic Muscovite	0.344	35.765
CGH	06-108.050	CGH_06_108	FeMgChlorite	0.65	Illitic Muscovite	0.35	29.801
CGH	06-108.051	CGH_06_108	Kaolinite WX	0.513	Illitic Muscovite	0.487	98.884
CGH	06-108.052	CGH_06_108	Kaolinite WX	0.515	Illitic Muscovite	0.485	114.94
CGH	06-108.053	CGH_06_108	Muscovite	1	NULL	NULL	205.66
CGH	06-108.054	CGH_06_108	FeChlorite	0.621	Calcite	0.379	63.093
CGH	06-108.055	CGH_06_108	FeMgChlorite	0.635	Illitic Muscovite	0.365	36.681
CGH	06-108.056	CGH_06_108	FeChlorite	0.687	Kaolinite PX	0.313	88.431
CGH	06-108.057	CGH_06_108	Calcite	0.541	Muscovite	0.459	95.472
CGH	06-108.058	CGH_06_108	Illitic Muscovite	0.514	Kaolinite PX	0.486	245.8
CGH	06-108.059	CGH_06_108	Illitic Muscovite	0.661	Kaolinite PX	0.339	194.52
CGH	06-108.060	CGH_06_108	Muscovite	0.569	Siderite	0.431	92.665
CGH	06-108.061	CGH_06_108	Illitic Muscovite	0.636	Kaolinite PX	0.364	176.59
CGH	06-108.062	CGH_06_108	FeMgChlorite	0.699	Illitic Muscovite	0.301	24.17
CGH	06-108.063	CGH_06_108	FeChlorite	0.747	Kaolinite PX	0.253	67.972
CGH	06-108.064	CGH_06_108	Illitic Muscovite	0.506	Montmorillonite	0.494	149.89
CGH	06-108.065	CGH_06_108	Montmorillonite	0.502	Illitic Muscovite	0.498	135.89
CGH	06-108.066	CGH_06_108	Montmorillonite	0.749	Epidote	0.251	166.82
CGH	06-108.067	CGH_06_108	Calcite	0.711	Muscovite	0.289	117.32
CGH	06-108.068	CGH_06_108	Kaolinite WX	1	NULL	NULL	143.31
CGH	06-108.069	CGH_06_108	FeMgChlorite	0.557	Illitic Muscovite	0.443	82.936
CGH	06-108.070	CGH_06_108	Illitic Muscovite	0.541	Calcite	0.459	114.07
CGH	06-108.071	CGH_06_108	Illitic Muscovite	0.547	Calcite	0.453	116.94
CGH	06-108.072	CGH_06_108	Illitic Muscovite	0.54	Calcite	0.46	115.22
CGH	06-108.073	CGH_06_108	Illitic Muscovite	0.54	Calcite	0.46	108.26
CGH	06-108.074	CGH_06_108	FeMgChlorite	0.827	Kaolinite PX	0.173	69.416
CGH	06-108.075	CGH_06_108	FeMgChlorite	0.735	Kaolinite PX	0.265	74.908
CGH	06-108.076	CGH_06_108	Ankerite	0.588	Muscovite	0.412	155.58
CGH	06-108.077	CGH_06_108	FeMgChlorite	0.735	Muscovite	0.265	38.02
CGH	06-108.078	CGH_06_108	Kaolinite PX	0.708	Epidote	0.292	523.08
CGH	06-108.079	CGH_06_108	Montmorillonite	0.611	Epidote	0.389	522.13
CGH	06-108.080	CGH_06_108	Calcite	1	NULL	NULL	77.09
CGH	06-108.081	CGH_06_108	FeChlorite	0.605	Ankerite	0.395	68.445
CGH	06-108.082	CGH_06_108	FeChlorite	1	NULL	NULL	122.18
CGH	06-108.083	CGH_06_108	Kaolinite PX	0.619	Calcite	0.381	226.27
CGH	06-108.084	CGH_06_108	FeChlorite	0.806	Calcite	0.194	43.035
CGH	06-108.085	CGH_06_108	Calcite	0.518	FeChlorite	0.482	46.783
CGH	06-108.086	CGH_06_108	Kaolinite WX	0.684	Illitic Muscovite	0.316	75.117
CGH	06-108.087	CGH_06_108	Illitic Muscovite	0.52	Montmorillonite	0.48	72.359
CGH	06-108.088	CGH_06_108	Kaolinite WX	0.752	Illitic Muscovite	0.248	86.549
CGH	06-108.089	CGH_06_108	FeChlorite	1	NULL	NULL	58.974
CGH	06-108.090	CGH_06_108	Kaolinite WX	0.585	Muscovite	0.415	153.37
CGH	06-108.091	CGH_06_108	FeMgChlorite	0.692	Kaolinite PX	0.308	50.94
CGH	06-108.092	CGH_06_108	FeMgChlorite	0.801	Illitic Muscovite	0.199	15.964
CGH	06-108.093	CGH_06_108	FeMgChlorite	0.631	Illitic Muscovite	0.369	70.789

CGH	06-108.094	CGH_06_108	FeMgChlorite	0.515	Kaolinite PX	0.485	138.6
CGH	06-108.095	CGH_06_108	Kaolinite WX	0.524	FeMgChlorite	0.476	77.643
CGH	06-108.096	CGH_06_108	NULL	NULL	NULL	NULL	NULL
CGH	06-108.097	CGH_06_108	Illitic Muscovite	0.522	FeMgChlorite	0.478	50.667
CGH	06-108.098	CGH_06_108	Montmorillonite	0.713	Epidote	0.287	209.37
CGH	06-108.099	CGH_06_108	Illitic Muscovite	0.512	MgChlorite	0.488	87.903
CGH	06-108.100	CGH_06_108	Illitic Muscovite	0.523	Montmorillonite	0.477	80.077
CGH	06-108.101	CGH_06_108	NULL	NULL	NULL	NULL	NULL
CGH	06-108.102	CGH_06_108	FeMgChlorite	1	NULL	NULL	37.745
CGH	06-108.103	CGH_06_108	FeMgChlorite	1	NULL	NULL	64.218
CGH	06-108.104	CGH_06_108	Illitic Muscovite	0.538	MgChlorite	0.462	107.57
CGH	06-108.105	CGH_06_108	Illitic Muscovite	0.556	Ankerite	0.444	135.53
CGH	06-108.106	CGH_06_108	Calcite	0.586	Kaolinite PX	0.414	140.03
CGH	06-108.107	CGH_06_108	FeMgChlorite	0.769	Illitic Muscovite	0.231	45.705
CGH	06-108.108	CGH_06_108	MgChlorite	0.706	Kaolinite PX	0.294	231.67
CGH	06-108.109	CGH_06_108	FeMgChlorite	0.737	Kaolinite PX	0.263	116.95
CGH	06-108.110	CGH_06_108	Montmorillonite	0.701	Epidote	0.299	195.43
CGH	06-108.111	CGH_06_108	Calcite	1	NULL	NULL	61.019
CGH	06-108.112	CGH_06_108	FeMgChlorite	0.789	Muscovite	0.211	23.779
CGH	06-108.113	CGH_06_108	FeMgChlorite	0.624	Illitic Muscovite	0.376	39.856
CGH	06-108.114	CGH_06_108	FeMgChlorite	0.524	Illitic Muscovite	0.476	36.431
CGH	06-108.115	CGH_06_108	FeMgChlorite	0.739	Illitic Muscovite	0.261	24.11
CGH	06-108.116	CGH_06_108	FeMgChlorite	0.741	Illitic Muscovite	0.259	63.456
CGH	06-108.117	CGH_06_108	FeMgChlorite	0.593	Illitic Muscovite	0.407	90.591
CGH	06-108.118	CGH_06_108	FeMgChlorite	0.692	Kaolinite PX	0.308	45.643
CGH	06-108.119	CGH_06_108	FeMgChlorite	0.803	Illitic Muscovite	0.197	16.142
CGH	06-108.120	CGH_06_108	FeMgChlorite	0.731	Illitic Muscovite	0.269	24.481
CGH	06-108.121	CGH_06_108	FeChlorite	1	NULL	NULL	28.109
CGH	06-108.122	CGH_06_108	FeMgChlorite	0.791	Illitic Muscovite	0.209	28.058
CGH	06-108.123	CGH_06_108	FeMgChlorite	0.606	Illitic Muscovite	0.394	21.964
CGH	06-108.124	CGH_06_108	FeMgChlorite	0.709	Illitic Muscovite	0.291	23.412
CGH	06-108.125	CGH_06_108	FeMgChlorite	0.617	Muscovite	0.383	18.874
CGH	06-108.126	CGH_06_108	FeMgChlorite	0.6	Illitic Muscovite	0.4	57.333
CGH	06-108.127	CGH_06_108	Illitic Muscovite	0.63	Ankerite	0.37	127.35
CGH	06-108.128	CGH_06_108	Illitic Muscovite	0.537	FeMgChlorite	0.463	30.371
CGH	06-108.129	CGH_06_108	FeMgChlorite	0.76	Illitic Muscovite	0.24	59.137
CGH	06-108.130	CGH_06_108	FeMgChlorite	0.656	Illitic Muscovite	0.344	54.526
CGH	06-108.131	CGH_06_108	FeChlorite	0.664	Ankerite	0.336	53.224
CGH	06-108.132	CGH_06_108	FeMgChlorite	0.709	Illitic Muscovite	0.291	19.827
CGH	06-108.133	CGH_06_108	Montmorillonite	0.564	FeMgChlorite	0.436	91.873
CGH	06-108.134	CGH_06_108	Montmorillonite	0.572	FeMgChlorite	0.428	86.208
CGH	06-108.135	CGH_06_108	FeMgChlorite	0.525	Illitic Muscovite	0.475	91.47
CGH	06-108.136	CGH_06_108	Kaolinite WX	0.553	Illitic Muscovite	0.447	122.94
CGH	06-108.137	CGH_06_108	Calcite	0.573	Muscovite	0.427	150.87
CGH	06-108.138	CGH_06_108	FeMgChlorite	0.683	Illitic Muscovite	0.317	55.865
CGH	06-108.139	CGH_06_108	FeMgChlorite	0.605	Illitic Muscovite	0.395	56.667
CGH	06-108.140	CGH_06_108	Calcite	1	NULL	NULL	48.156
CGH	06-108.141	CGH_06_108	FeMgChlorite	0.763	Illitic Muscovite	0.237	26.388
CGH	06-108.142	CGH_06_108	Montmorillonite	0.733	Epidote	0.267	165.35
CGH	06-108.143	CGH_06_108	FeMgChlorite	0.67	Illitic Muscovite	0.33	45.822
CGH	06-108.144	CGH_06_108	Illitic Muscovite	0.749	Epidote	0.251	160.14
CGH	06-108.145	CGH_06_108	FeMgChlorite	0.762	Illitic Muscovite	0.238	24.95
CGH	06-108.146	CGH_06_108	FeMgChlorite	0.657	Muscovite	0.343	54.256
CGH	06-108.147	CGH_06_108	FeChlorite	0.735	Calcite	0.265	73.053

CGH	06-108.148	CGH_06_108	FeMgChlorite	0.555	Illitic Muscovite	0.445	64.06
CGH	06-108.149	CGH_06_108	Calcite	0.557	Montmorillonite	0.443	50.702
CGH	06-108.150	CGH_06_108	FeMgChlorite	0.785	Muscovite	0.215	61.935
CGH	06-108.151	CGH_06_108	FeMgChlorite	0.762	Muscovite	0.238	41.121
CGH	06-108.152	CGH_06_108	FeChlorite	0.587	Calcite	0.413	93.758
CGH	06-108.153	CGH_06_108	Illitic Phengite	0.6	Calcite	0.4	160.61
CGH	06-108.154	CGH_06_108	FeMgChlorite	0.66	Illitic Muscovite	0.34	33.078
CGH	06-108.155	CGH_06_108	FeMgChlorite	0.789	Muscovite	0.211	23.728
CGH	06-108.156	CGH_06_108	FeMgChlorite	0.833	Muscovite	0.167	49.84
CGH	06-108.157	CGH_06_108	Montmorillonite	0.784	Epidote	0.216	163
CGH	06-108.158	CGH_06_108	FeChlorite	0.533	Montmorillonite	0.467	56.542
CGH	06-108.159	CGH_06_108	Montmorillonite	0.647	Epidote	0.353	177.08
CGH	06-108.160	CGH_06_108	FeMgChlorite	0.817	Epidote	0.183	148.86
CGH	06-108.161	CGH_06_108	Montmorillonite	0.689	Epidote	0.311	134.72
CGH	06-108.162	CGH_06_108	FeMgChlorite	0.752	Illitic Muscovite	0.248	17.988
CGH	06-108.163	CGH_06_108	FeMgChlorite	0.616	Illitic Muscovite	0.384	58.759
CGH	06-108.164	CGH_06_108	Montmorillonite	0.747	Epidote	0.253	174.94
CGH	06-108.165	CGH_06_108	Illitic Muscovite	0.51	Montmorillonite	0.49	135.57
CGH	06-108.166	CGH_06_108	Kaolinite PX	0.527	FeMgChlorite	0.473	91.63
CGH	06-108.167	CGH_06_108	Muscovite	0.626	Ankerite	0.374	124.6
CGH	06-108.168	CGH_06_108	Montmorillonite	0.714	Epidote	0.286	140.48
CGH	06-108.169	CGH_06_108	FeMgChlorite	0.751	Illitic Muscovite	0.249	96.197
CGH	06-108.170	CGH_06_108	FeMgChlorite	0.635	Illitic Muscovite	0.365	45.649
CGH	06-108.171	CGH_06_108	Illitic Muscovite	0.611	FeMgChlorite	0.389	91.729
CGH	06-108.172	CGH_06_108	Illitic Muscovite	0.612	FeMgChlorite	0.388	91.365
CGH	06-108.173	CGH_06_108	Montmorillonite	0.682	Illitic Phengite	0.318	165.32
CGH	06-108.174	CGH_06_108	FeMgChlorite	0.639	Illitic Muscovite	0.361	31.924
CGH	06-108.175	CGH_06_108	Illitic Muscovite	0.631	Montmorillonite	0.369	99.791
CGH	06-108.176	CGH_06_108	FeMgChlorite	0.719	Illitic Muscovite	0.281	43.953
CGH	06-108.177	CGH_06_108	FeMgChlorite	0.538	Illitic Muscovite	0.462	34.019
CGH	06-108.178	CGH_06_108	Montmorillonite	0.553	Illitic Muscovite	0.447	85.984
CGH	06-108.179	CGH_06_108	FeMgChlorite	0.57	Illitic Muscovite	0.43	65.014
CGH	06-108.180	CGH_06_108	Montmorillonite	0.511	Epidote	0.489	260.27
CGH	06-108.181	CGH_06_108	FeMgChlorite	0.702	Muscovite	0.298	23.917
CGH	06-108.182	CGH_06_108	FeMgChlorite	1	NULL	NULL	19.389
CGH	06-108.183	CGH_06_108	FeMgChlorite	0.7	Illitic Muscovite	0.3	22.531
CGH	06-108.184	CGH_06_108	FeMgChlorite	0.664	Illitic Muscovite	0.336	30.656
CGH	06-108.185	CGH_06_108	FeMgChlorite	0.592	Illitic Muscovite	0.408	39.764
CGH	06-108.186	CGH_06_108	FeMgChlorite	0.814	Illitic Muscovite	0.186	15.999
CGH	06-108.187	CGH_06_108	FeChlorite	1	NULL	NULL	16.439
CGH	06-108.188	CGH_06_108	Montmorillonite	0.542	Illitic Muscovite	0.458	117.98
CGH	06-108.189	CGH_06_108	Illitic Muscovite	0.64	Calcite	0.36	86.758
CGH	06-108.190	CGH_06_108	Illitic Paragonite	0.571	Montmorillonite	0.429	73.072
CGH	06-108.191	CGH_06_108	FeMgChlorite	0.793	Epidote	0.207	104.1
CGH	06-108.192	CGH_06_108	Illitic Muscovite	0.532	Montmorillonite	0.468	94.874
CGH	06-108.193	CGH_06_108	Montmorillonite	0.722	Epidote	0.278	149.5
CGH	06-108.194	CGH_06_108	FeMgChlorite	0.674	Illitic Muscovite	0.326	57.014
CGH	06-108.195	CGH_06_108	FeMgChlorite	0.536	Illitic Muscovite	0.464	40.626
CGH	06-108.196	CGH_06_108	FeMgChlorite	0.714	Muscovite	0.286	61.607
CGH	06-108.197	CGH_06_108	Illitic Muscovite	0.774	Calcite	0.226	100.59
CGH	06-108.198	CGH_06_108	FeMgChlorite	0.709	Illitic Muscovite	0.291	29.502
CGH	06-108.199	CGH_06_108	FeMgChlorite	0.676	Illitic Muscovite	0.324	31.821
CGH	06-108.200	CGH_06_108	FeMgChlorite	0.671	Illitic Muscovite	0.329	60.474
CGH	06-108.201	CGH_06_108	FeMgChlorite	0.658	Illitic Muscovite	0.342	53.962

CGH	06-108.202	CGH_06_108	FeMgChlorite	0.602	Illitic Muscovite	0.398	29.78
CGH	06-108.203	CGH_06_108	FeMgChlorite	0.758	Illitic Muscovite	0.242	45.171
CGH	06-108.204	CGH_06_108	FeMgChlorite	0.654	Illitic Muscovite	0.346	89.68
CGH	06-108.205	CGH_06_108	Illitic Muscovite	0.698	Epidote	0.302	177.79
CGH	06-108.206	CGH_06_108	Montmorillonite	0.513	Illitic Muscovite	0.487	104.51
CGH	06-108.207	CGH_06_108	FeMgChlorite	0.753	Montmorillonite	0.247	117.91
CGH	06-108.208	CGH_06_108	Illitic Phengite	0.662	Montmorillonite	0.338	75.29
CGH	06-108.209	CGH_06_108	Illitic Muscovite	1	NULL	NULL	198.67
CGH	06-108.210	CGH_06_108	Illitic Muscovite	0.526	Montmorillonite	0.474	71.188
CGH	06-108.211	CGH_06_108	Muscovite	0.826	Epidote	0.174	136.76
CGH	06-108.212	CGH_06_108	FeChlorite	0.534	Montmorillonite	0.466	46.851
CGH	06-108.213	CGH_06_108	MgChlorite	0.709	Epidote	0.291	279.47
CGH	06-108.214	CGH_06_108	Illitic Muscovite	1	NULL	NULL	148.29
CGH	06-108.215	CGH_06_108	FeMgChlorite	0.682	Illitic Muscovite	0.318	49.78
CGH	06-108.216	CGH_06_108	Illitic Muscovite	0.616	Montmorillonite	0.384	89.594
CGH	06-108.217	CGH_06_108	FeMgChlorite	0.732	Muscovite	0.268	25.285
CGH	06-108.218	CGH_06_108	FeMgChlorite	0.562	Muscovite	0.438	119.93
CGH	06-108.219	CGH_06_108	FeMgChlorite	0.819	Illitic Muscovite	0.181	20.993
CGH	06-108.220	CGH_06_108	FeChlorite	1	NULL	NULL	18.936
CGH	06-108.221	CGH_06_108	FeChlorite	1	NULL	NULL	38.068
CGH	06-108.222	CGH_06_108	Illitic Muscovite	0.51	FeMgChlorite	0.49	62.814
CGH	06-108.223	CGH_06_108	FeMgChlorite	0.69	Illitic Muscovite	0.31	25.218
CGH	06-108.224	CGH_06_108	FeMgChlorite	0.595	Illitic Muscovite	0.405	60.878
CGH	06-108.225	CGH_06_108	Montmorillonite	0.83	Epidote	0.17	139.65
CGH	06-108.226	CGH_06_108	FeChlorite	0.511	Montmorillonite	0.489	59.64
CGH	06-108.227	CGH_06_108	FeMgChlorite	1	NULL	NULL	83.66
CGH	06-108.228	CGH_06_108	FeMgChlorite	0.732	Epidote	0.268	218.51
CGH	06-108.229	CGH_06_108	FeMgChlorite	0.699	Muscovite	0.301	25.95
CGH	06-108.230	CGH_06_108	Montmorillonite	0.745	Epidote	0.255	161.74
CGH	06-108.231	CGH_06_108	Montmorillonite	0.685	Epidote	0.315	174.8
CGH	06-108.232	CGH_06_108	FeMgChlorite	0.508	Illitic Muscovite	0.492	95.666
CGH	06-108.233	CGH_06_108	FeMgChlorite	0.753	Muscovite	0.247	53.689
CGH	06-108.234	CGH_06_108	Illitic Muscovite	0.702	Nacrite	0.298	167.64
CGH	06-108.235	CGH_06_108	FeMgChlorite	0.648	Illitic Muscovite	0.352	53.964
CGH	06-108.236	CGH_06_108	FeMgChlorite	0.765	Muscovite	0.235	65.313
CGH	06-108.237	CGH_06_108	Calcite	0.774	Muscovite	0.226	52.269
CGH	06-108.238	CGH_06_108	FeMgChlorite	0.701	Illitic Muscovite	0.299	42.307
CGH	06-108.239	CGH_06_108	Illitic Muscovite	0.614	FeMgChlorite	0.386	32.021
CGH	06-108.240	CGH_06_108	Illitic Muscovite	0.596	Montmorillonite	0.404	122.3
CGH	06-108.241	CGH_06_108	FeMgChlorite	0.567	Illitic Muscovite	0.433	81.599
CGH	06-108.242	CGH_06_108	FeMgChlorite	0.824	Muscovite	0.176	38.523
CGH	06-108.243	CGH_06_108	FeMgChlorite	0.759	Illitic Muscovite	0.241	51.637
CGH	06-108.244	CGH_06_108	FeMgChlorite	0.758	Muscovite	0.242	49.117
CGH	06-108.245	CGH_06_108	FeMgChlorite	1	NULL	NULL	143.38
CGH	06-108.246	CGH_06_108	FeMgChlorite	1	NULL	NULL	59.462
CGH	06-108.247	CGH_06_108	FeMgChlorite	1	NULL	NULL	60.952
CGH	06-108.248	CGH_06_108	FeMgChlorite	0.782	Illitic Muscovite	0.218	40.626
CGH	06-108.249	CGH_06_108	FeMgChlorite	0.766	Illitic Muscovite	0.234	45.296
CGH	06-108.250	CGH_06_108	FeMgChlorite	0.594	Illitic Muscovite	0.406	35.897
CGH	06-108.251	CGH_06_108	Kaolinite PX	0.539	Illitic Muscovite	0.461	244.14
CGH	06-108.252	CGH_06_108	Montmorillonite	0.751	Epidote	0.249	179.64
CGH	06-108.253	CGH_06_108	FeMgChlorite	0.7	Illitic Muscovite	0.3	26.041
CGH	06-108.254	CGH_06_108	FeMgChlorite	0.643	Illitic Muscovite	0.357	35.31
CGH	06-108.255	CGH_06_108	FeMgChlorite	0.571	Illitic Muscovite	0.429	28.096

CGH	06-108.256	CGH_06_108	FeMgChlorite	0.69	Illitic Muscovite	0.31	28.186
CGH	06-108.257	CGH_06_108	FeMgChlorite	0.662	Muscovite	0.338	23.568
CGH	06-108.258	CGH_06_108	FeMgChlorite	0.513	Illitic Muscovite	0.487	61.229
CGH	06-108.259	CGH_06_108	FeMgChlorite	0.561	Illitic Muscovite	0.439	38.299
CGH	06-108.260	CGH_06_108	FeMgChlorite	0.718	Muscovite	0.282	28.655
CGH	06-108.261	CGH_06_108	FeMgChlorite	0.52	Illitic Muscovite	0.48	74.116
CGH	06-108.262	CGH_06_108	Calcite	0.545	Muscovite	0.455	125.52
CGH	06-108.263	CGH_06_108	FeMgChlorite	0.59	Illitic Muscovite	0.41	36.065
CGH	06-108.264	CGH_06_108	FeMgChlorite	0.564	Illitic Muscovite	0.436	40.969
CGH	06-108.265	CGH_06_108	Illitic Muscovite	0.522	FeMgChlorite	0.478	63.746
CGH	06-108.266	CGH_06_108	FeMgChlorite	0.745	Muscovite	0.255	14.813
CGH	06-108.267	CGH_06_108	FeMgChlorite	0.594	Montmorillonite	0.406	75.593
CGH	06-108.268	CGH_06_108	FeMgChlorite	0.669	Illitic Muscovite	0.331	31.174
CGH	06-108.269	CGH_06_108	FeChlorite	0.597	Montmorillonite	0.403	62.869
CGH	06-108.270	CGH_06_108	FeMgChlorite	0.637	Muscovite	0.363	69.866
CGH	06-108.271	CGH_06_108	FeMgChlorite	0.532	Illitic Muscovite	0.468	93.652
CGH	06-108.272	CGH_06_108	FeMgChlorite	0.661	Illitic Muscovite	0.339	64.853
CGH	06-108.273	CGH_06_108	FeMgChlorite	0.793	Epidote	0.207	142.73
CGH	06-108.274	CGH_06_108	FeMgChlorite	0.593	Illitic Muscovite	0.407	36.114
CGH	06-108.275	CGH_06_108	FeMgChlorite	0.505	Illitic Phengite	0.495	68.664
CGH	06-108.276	CGH_06_108	FeMgChlorite	0.531	Illitic Muscovite	0.469	109.69
CGH	06-108.277	CGH_06_108	FeMgChlorite	0.622	Illitic Muscovite	0.378	49.88
CGH	06-108.278	CGH_06_108	FeMgChlorite	0.566	Illitic Muscovite	0.434	48.937
CGH	06-108.279	CGH_06_108	Illitic Muscovite	0.647	Montmorillonite	0.353	61.395
CGH	06-108.280	CGH_06_108	Illitic Muscovite	0.699	Montmorillonite	0.301	104.71
CGH	06-108.281	CGH_06_108	Illitic Muscovite	0.819	Calcite	0.181	111.4
CGH	06-108.282	CGH_06_108	FeMgChlorite	0.521	Illitic Muscovite	0.479	51.002
CGH	06-108.283	CGH_06_108	FeMgChlorite	0.524	Illitic Muscovite	0.476	45.522
CGH	06-108.284	CGH_06_108	FeMgChlorite	0.516	Illitic Muscovite	0.484	55.576
CGH	06-108.285	CGH_06_108	FeMgChlorite	0.517	Illitic Muscovite	0.483	47.698
CGH	06-108.286	CGH_06_108	Illitic Muscovite	1	NULL	NULL	122.84
CGH	06-108.287	CGH_06_108	Illitic Muscovite	0.752	Ankerite	0.248	93.291
CGH	06-108.288	CGH_06_108	Illitic Muscovite	1	NULL	NULL	93.713
CGH	06-108.289	CGH_06_108	Illitic Muscovite	0.534	FeMgChlorite	0.466	109.41
CGH	06-108.290	CGH_06_108	FeMgChlorite	0.513	Illitic Muscovite	0.487	47.481
CGH	06-108.291	CGH_06_108	Illitic Muscovite	0.678	Montmorillonite	0.322	85.633
CGH	06-108.292	CGH_06_108	FeMgChlorite	0.589	Illitic Phengite	0.411	25.375
CGH	06-108.293	CGH_06_108	Muscovite	0.751	Gypsum	0.249	54.947
CGH	06-108.294	CGH_06_108	Muscovite	1	NULL	NULL	80.272
CGH	06-108.295	CGH_06_108	Illitic Muscovite	0.806	Calcite	0.194	64.299
CGH	06-108.296	CGH_06_108	Illitic Muscovite	1	NULL	NULL	170.87
CGH	06-108.297	CGH_06_108	FeMgChlorite	0.616	Illitic Muscovite	0.384	26.471
CGH	06-108.298	CGH_06_108	Illitic Muscovite	0.744	Montmorillonite	0.256	41.608
CGH	06-108.299	CGH_06_108	Illitic Muscovite	0.709	Montmorillonite	0.291	64.388
CGH	06-108.300	CGH_06_108	FeMgChlorite	0.517	Illitic Muscovite	0.483	49.128
CGH	06-108.301	CGH_06_108	FeMgChlorite	0.622	Illitic Muscovite	0.378	36.844
CGH	06-108.302	CGH_06_108	Calcite	0.536	Illitic Muscovite	0.464	160.36
CGH	06-108.303	CGH_06_108	FeMgChlorite	0.572	Illitic Muscovite	0.428	33.453
CGH	06-108.304	CGH_06_108	Illitic Muscovite	0.697	Montmorillonite	0.303	101.16
CGH	06-108.305	CGH_06_108	Illitic Muscovite	0.667	Montmorillonite	0.333	54.174
CGH	06-108.306	CGH_06_108	FeMgChlorite	0.524	Illitic Muscovite	0.476	53.982
CGH	06-108.307	CGH_06_108	Illitic Muscovite	1	NULL	NULL	160.43
CGH	06-108.308	CGH_06_108	FeMgChlorite	0.8	Illitic Muscovite	0.2	30.001
CGH	06-108.309	CGH_06_108	FeMgChlorite	0.572	Muscovite	0.428	47.709

CGH	06-108.310	CGH_06_108	FeMgChlorite	1	NULL	NULL	40.462
CGH	06-108.311	CGH_06_108	FeChlorite	1	NULL	NULL	133.41
CGH	06-108.312	CGH_06_108	Illitic Muscovite	0.623	Montmorillonite	0.377	35.892
CGH	06-108.313	CGH_06_108	Illitic Paragonite	0.505	Montmorillonite	0.495	68.357
CGH	06-108.314	CGH_06_108	FeChlorite	0.562	Illitic Muscovite	0.438	71.005
CGH	06-108.315	CGH_06_108	FeMgChlorite	0.64	Muscovite	0.36	22.987
CGH	06-108.316	CGH_06_108	FeMgChlorite	0.612	Illitic Muscovite	0.388	34.506
CGH	06-108.317	CGH_06_108	FeMgChlorite	0.635	Muscovite	0.365	32.651
CGH	06-108.318	CGH_06_108	FeMgChlorite	0.626	Illitic Muscovite	0.374	38.431
CGH	06-108.319	CGH_06_108	FeMgChlorite	0.616	Illitic Muscovite	0.384	132.42
CGH	06-108.320	CGH_06_108	FeChlorite	0.555	Muscovite	0.445	50.401
CGH	06-108.321	CGH_06_108	FeChlorite	1	NULL	NULL	26.889
CGH	06-108.322	CGH_06_108	FeChlorite	0.643	Calcite	0.357	127.06
CGH	06-108.323	CGH_06_108	Montmorillonite	0.594	Epidote	0.406	331.79
CGH	06-108.324	CGH_06_108	FeMgChlorite	0.609	Muscovite	0.391	89.275
CGH	06-108.325	CGH_06_108	FeChlorite	1	NULL	NULL	192.02
CGH	06-108.326	CGH_06_108	FeChlorite	0.599	Calcite	0.401	90.961
CGH	06-108.327	CGH_06_108	FeMgChlorite	0.805	Calcite	0.195	64.309
CGH	06-108.328	CGH_06_108	NULL	NULL	NULL	NULL	NULL
CGH	06-108.329	CGH_06_108	FeMgChlorite	0.507	Illitic Muscovite	0.493	77.439
CGH	06-108.330	CGH_06_108	FeMgChlorite	0.558	Illitic Muscovite	0.442	97.435
CGH	06-108.331	CGH_06_108	FeMgChlorite	0.726	Illitic Muscovite	0.274	73.1
CGH	06-108.332	CGH_06_108	FeMgChlorite	0.743	Muscovite	0.257	51.932
CGH	06-108.333	CGH_06_108	FeMgChlorite	0.724	Muscovite	0.276	52.425
CGH	06-108.334	CGH_06_108	FeMgChlorite	0.558	Illitic Muscovite	0.442	45.206
CGH	06-108.335	CGH_06_108	Muscovite	1	NULL	NULL	234.69
CGH	06-108.336	CGH_06_108	FeMgChlorite	0.778	Muscovite	0.222	56.192
CGH	06-108.337	CGH_06_108	FeChlorite	0.695	Muscovite	0.305	94.701
CGH	06-108.338	CGH_06_108	FeMgChlorite	0.776	Muscovite	0.224	48.399
CGH	06-108.339	CGH_06_108	NULL	NULL	NULL	NULL	NULL
CGH	06-108.340	CGH_06_108	FeMgChlorite	0.848	Illitic Muscovite	0.152	32.773
CGH	06-108.341	CGH_06_108	FeMgChlorite	0.716	Muscovite	0.284	90.044
CGH	06-108.342	CGH_06_108	FeMgChlorite	1	NULL	NULL	93.124
CGH	06-108.343	CGH_06_108	Illitic Muscovite	0.674	Montmorillonite	0.326	61.778
CGH	06-108.344	CGH_06_108	Illitic Muscovite	0.56	Montmorillonite	0.44	68.253
CGH	06-108.345	CGH_06_108	FeMgChlorite	0.787	Illitic Muscovite	0.213	46.299
CGH	06-108.346	CGH_06_108	FeMgChlorite	0.519	Illitic Muscovite	0.481	58.865
CGH	06-108.347	CGH_06_108	FeMgChlorite	0.517	Illitic Muscovite	0.483	58.729
CGH	06-108.348	CGH_06_108	Illitic Muscovite	0.505	FeMgChlorite	0.495	48.87
CGH	06-108.349	CGH_06_108	Illitic Muscovite	0.691	Kaolinite PX	0.309	128.67
CGH	06-108.350	CGH_06_108	Illitic Muscovite	0.543	Montmorillonite	0.457	89.512
CGH	06-108.351	CGH_06_108	Illitic Muscovite	0.64	Montmorillonite	0.36	88.328
CGH	06-108.352	CGH_06_108	Illitic Muscovite	0.602	Montmorillonite	0.398	59.439
CGH	06-108.353	CGH_06_108	Siderite	0.531	Illitic Muscovite	0.469	53.59
CGH	06-108.354	CGH_06_108	Kaolinite WX	0.512	Illitic Muscovite	0.488	168.64
CGH	06-108.355	CGH_06_108	Illitic Muscovite	0.631	Kaolinite PX	0.369	193.82
CGH	06-108.356	CGH_06_108	Illitic Muscovite	0.645	Kaolinite WX	0.355	74.683
CGH	06-108.357	CGH_06_108	Montmorillonite	0.52	Kaolinite WX	0.48	87.931
CGH	06-108.358	CGH_06_108	Illitic Muscovite	0.552	Nacrite	0.448	108.11
CGH	06-108.359	CGH_06_108	Illitic Muscovite	0.64	Kaolinite WX	0.36	82.317
CGH	06-108.360	CGH_06_108	Illitic Muscovite	0.57	Kaolinite PX	0.43	200.27
CGH	06-108.361	CGH_06_108	Illitic Muscovite	0.662	Montmorillonite	0.338	74.82
CGH	06-108.362	CGH_06_108	Siderite	0.614	Muscovite	0.386	35.918
CGH	06-108.363	CGH_06_108	Dolomite	0.659	Muscovite	0.341	185.28

CGH	06-108.364	CGH_06_108	Illitic Muscovite	0.715	Dolomite	0.285	108.87
CGH	06-108.365	CGH_06_108	Illitic Muscovite	1	NULL	NULL	80.2
CGH	06-108.366	CGH_06_108	Muscovite	1	NULL	NULL	399.9
CGH	06-108.367	CGH_06_108	NULL	NULL	NULL	NULL	NULL
CGH	06-108.368	CGH_06_108	Illitic Muscovite	0.738	Montmorillonite	0.262	72.954
CGH	06-108.369	CGH_06_108	Kaolinite WX	0.792	Illitic Paragonite	0.208	65.215
CGH	06-108.370	CGH_06_108	Illitic Muscovite	0.725	Dickite	0.275	147
CGH	06-108.371	CGH_06_108	Illitic Muscovite	0.62	Montmorillonite	0.38	37.05
CGH	06-108.372	CGH_06_108	Illitic Muscovite	0.621	Dickite	0.379	91.388
CGH	06-108.373	CGH_06_108	Dickite	0.628	Illitic Muscovite	0.372	112.45
CGH	06-108.374	CGH_06_108	Illitic Muscovite	0.61	Montmorillonite	0.39	55.894
CGH	06-108.375	CGH_06_108	Aspectral	1	NULL	NULL	479.25
CGH	06-108.376	CGH_06_108	NULL	NULL	NULL	NULL	NULL
CGH	06-108.377	CGH_06_108	NULL	NULL	NULL	NULL	NULL
CGH	06-108.378	CGH_06_108	Illitic Muscovite	1	NULL	NULL	103.27
CGH	06-108.379	CGH_06_108	Muscovite	1	NULL	NULL	445.49
CGH	06-108.380	CGH_06_108	Muscovite	0.642	Kaolinite WX	0.358	75.103
CGH	06-108.381	CGH_06_108	Illitic Muscovite	0.503	Kaolinite WX	0.497	129.88
CGH	06-108.382	CGH_06_108	Siderite	0.781	Dickite	0.219	34.929
CGH	06-108.383	CGH_06_108	Siderite	0.503	Dickite	0.497	84.327
CGH	06-108.384	CGH_06_108	Illitic Muscovite	0.824	Montmorillonite	0.176	34.345
CGH	06-108.385	CGH_06_108	Illitic Muscovite	0.64	Montmorillonite	0.36	51.898
CGH	06-108.386	CGH_06_108	FeChlorite	0.514	Illitic Muscovite	0.486	66.238
CGH	06-108.387	CGH_06_108	Illitic Muscovite	0.511	Montmorillonite	0.489	119.39
CGH	06-108.388	CGH_06_108	Illitic Muscovite	0.522	Montmorillonite	0.478	35.119
CGH	06-108.389	CGH_06_108	FeChlorite	0.656	Illitic Muscovite	0.344	45.46
CGH	06-108.390	CGH_06_108	Illitic Muscovite	0.587	Montmorillonite	0.413	51.885
CGH	06-108.391	CGH_06_108	Illitic Muscovite	1	NULL	NULL	223.75
CGH	06-108.392	CGH_06_108	NULL	NULL	NULL	NULL	NULL
CGH	06-108.393	CGH_06_108	Diaspore	1	NULL	NULL	260.61
CGH	06-108.394	CGH_06_108	Dolomite	1	NULL	NULL	156.62
CGH	06-108.395	CGH_06_108	Muscovite	0.652	Siderite	0.348	77.947
CGH	06-108.396	CGH_06_108	Muscovite	1	NULL	NULL	102.08
CGH	06-108.397	CGH_06_108	Illitic Muscovite	0.522	Kaolinite WX	0.478	64.264
CGH	06-108.398	CGH_06_108	Dickite	1	NULL	NULL	95.626
CGH	06-108.399	CGH_06_108	Dickite	0.557	Kaolinite WX	0.443	24.538
CGH	06-108.400	CGH_06_108	Dickite	0.684	Siderite	0.316	45.884
CGH	06-108.401	CGH_06_108	Dickite	0.653	Muscovite	0.347	136.63
CGH	06-108.402	CGH_06_108	Nacrite	0.582	Kaolinite WX	0.418	57.5
CGH	06-108.403	CGH_06_108	Illitic Muscovite	0.619	Montmorillonite	0.381	121.82
CGH	06-108.404	CGH_06_108	FeMgChlorite	0.639	Illitic Muscovite	0.361	41.343
CGH	06-108.405	CGH_06_108	FeMgChlorite	0.548	Illitic Muscovite	0.452	38.171
CGH	06-108.406	CGH_06_108	FeMgChlorite	0.5	Illitic Muscovite	0.5	31.282
CGH	06-108.407	CGH_06_108	Illitic Muscovite	1	NULL	NULL	48.43
CGH	06-108.408	CGH_06_108	Illitic Muscovite	0.533	FeMgChlorite	0.467	59.375
CGH	06-108.409	CGH_06_108	FeMgChlorite	0.502	Illitic Muscovite	0.498	61.957
CGH	06-108.410	CGH_06_108	Illitic Muscovite	0.683	Montmorillonite	0.317	83.074
CGH	06-108.411	CGH_06_108	Illitic Muscovite	0.627	Kaolinite PX	0.373	179.78
CGH	06-108.412	CGH_06_108	Illitic Muscovite	0.599	Montmorillonite	0.401	68.291
CGH	06-108.413	CGH_06_108	Illitic Muscovite	0.613	Montmorillonite	0.387	68.747
CGH	06-108.414	CGH_06_108	Montmorillonite	0.74	Epidote	0.26	183.41
CGH	06-108.415	CGH_06_108	NULL	NULL	NULL	NULL	NULL
CGH	06-108.416	CGH_06_108	Illitic Muscovite	0.689	Dolomite	0.311	137.42
CGH	06-108.417	CGH_06_108	Illitic Muscovite	1	NULL	NULL	74.426

CGH	06-108.418	CGH_06_108	Illitic Muscovite	1	NULL	NULL	64.97
CGH	06-108.419	CGH_06_108	Kaolinite WX	0.574	Illitic Muscovite	0.426	89.289
CGH	06-108.420	CGH_06_108	Montmorillonite	0.562	Kaolinite WX	0.438	106.83
CGH	06-108.421	CGH_06_108	Ankerite	0.664	Illitic Muscovite	0.336	76.83
CGH	06-108.422	CGH_06_108	Ankerite	0.535	Kaolinite WX	0.465	66.872
CGH	06-108.423	CGH_06_108	Ankerite	0.751	Illitic Muscovite	0.249	50.317
CGH	06-108.424	CGH_06_108	Illitic Muscovite	0.721	Montmorillonite	0.279	40.15
CGH	06-108.425	CGH_06_108	Illitic Muscovite	0.727	Montmorillonite	0.273	38.782
CGH	06-108.426	CGH_06_108	Illitic Muscovite	0.694	Montmorillonite	0.306	61.589
CGH	06-108.427	CGH_06_108	Kaolinite WX	0.846	Illitic Paragonite	0.154	57.926
CGH	06-108.428	CGH_06_108	Muscovite	0.772	Tourmaline	0.228	542.72
CGH	06-108.429	CGH_06_108	Illitic Muscovite	0.538	Ankerite	0.462	68.902
CGH	06-108.430	CGH_06_108	Illitic Muscovite	0.63	Montmorillonite	0.37	40.309
CGH	06-108.431	CGH_06_108	Kaolinite WX	0.703	Illitic Muscovite	0.297	61.677
CGH	06-108.432	CGH_06_108	Illitic Muscovite	1	NULL	NULL	92.414
CGH	06-108.433	CGH_06_108	Illitic Muscovite	0.593	Siderite	0.407	66.986
CGH	06-108.434	CGH_06_108	Illitic Muscovite	0.594	Siderite	0.406	70.638
CGH	06-108.435	CGH_06_108	Illitic Muscovite	1	NULL	NULL	81.762
CGH	06-108.436	CGH_06_108	Kaolinite WX	0.685	Illitic Muscovite	0.315	61.921
CGH	06-108.437	CGH_06_108	Muscovite	1	NULL	NULL	245.86
CGH	06-108.438	CGH_06_108	Illitic Muscovite	0.635	Kaolinite WX	0.365	66.288
CGH	06-130.029	CGH_06_130	Muscovite	1	NULL	NULL	89.454
CGH	06-130.030	CGH_06_130	Illitic Muscovite	0.763	Montmorillonite	0.237	36.818
CGH	06-130.031	CGH_06_130	Illitic Muscovite	0.78	Montmorillonite	0.22	35.077
CGH	06-130.032	CGH_06_130	Muscovite	1	NULL	NULL	61.98
CGH	06-130.033	CGH_06_130	Illitic Muscovite	1	NULL	NULL	55.293
CGH	06-130.034	CGH_06_130	Illitic Muscovite	1	NULL	NULL	29.557
CGH	06-130.035	CGH_06_130	Illitic Muscovite	1	NULL	NULL	72.437
CGH	06-130.036	CGH_06_130	Ankerite	1	NULL	NULL	61.567
CGH	06-130.037	CGH_06_130	Illitic Muscovite	0.738	Montmorillonite	0.262	38.098
CGH	06-130.038	CGH_06_130	Illitic Muscovite	0.759	Montmorillonite	0.241	45.553
CGH	06-130.039	CGH_06_130	Illitic Muscovite	0.624	Siderite	0.376	64.215
CGH	06-130.040	CGH_06_130	Muscovite	0.697	Siderite	0.303	86.697
CGH	06-130.041	CGH_06_130	Illitic Muscovite	0.806	Montmorillonite	0.194	46.889
CGH	06-130.042	CGH_06_130	Illitic Muscovite	0.759	Montmorillonite	0.241	43.686
CGH	06-130.043	CGH_06_130	Illitic Muscovite	1	NULL	NULL	52.548
CGH	06-130.044	CGH_06_130	Muscovite	1	NULL	NULL	72.548
CGH	06-130.045	CGH_06_130	Illitic Muscovite	0.758	Montmorillonite	0.242	40.718
CGH	06-130.046	CGH_06_130	Illitic Muscovite	0.705	Montmorillonite	0.295	51.893
CGH	06-130.047	CGH_06_130	Illitic Muscovite	0.706	Montmorillonite	0.294	73.496
CGH	06-130.048	CGH_06_130	Illitic Muscovite	0.794	Montmorillonite	0.206	45.763
CGH	06-130.049	CGH_06_130	Illitic Muscovite	0.777	Montmorillonite	0.223	50.112
CGH	06-130.050	CGH_06_130	Muscovite	1	NULL	NULL	56.915
CGH	06-130.051	CGH_06_130	Muscovite	1	NULL	NULL	57.207
CGH	06-130.052	CGH_06_130	Illitic Muscovite	0.806	Montmorillonite	0.194	42.455
CGH	06-130.053	CGH_06_130	Muscovite	1	NULL	NULL	77.159
CGH	06-130.054	CGH_06_130	Illitic Muscovite	1	NULL	NULL	84.216
CGH	06-130.055	CGH_06_130	Illitic Muscovite	0.776	Montmorillonite	0.224	36.83
CGH	06-130.056	CGH_06_130	Illitic Muscovite	0.755	Montmorillonite	0.245	31.889
CGH	06-130.057	CGH_06_130	Illitic Muscovite	0.779	Montmorillonite	0.221	44.102
CGH	06-130.058	CGH_06_130	Illitic Muscovite	0.686	Montmorillonite	0.314	48.616
CGH	06-130.059	CGH_06_130	Illitic Muscovite	1	NULL	NULL	54.813
CGH	06-130.060	CGH_06_130	Illitic Muscovite	0.814	Montmorillonite	0.186	36.087
CGH	06-130.061	CGH_06_130	Illitic Muscovite	0.81	Montmorillonite	0.19	43.554

CGH	06-130.062	CGH_06_130	Illitic Muscovite	1	NULL	NULL	79.847
CGH	06-130.063	CGH_06_130	Illitic Muscovite	0.773	Montmorillonite	0.227	38.39
CGH	06-130.064	CGH_06_130	Illitic Muscovite	0.784	Montmorillonite	0.216	50.313
CGH	06-130.065	CGH_06_130	Illitic Muscovite	0.743	Montmorillonite	0.257	41.361
CGH	06-130.066	CGH_06_130	Illitic Muscovite	1	NULL	NULL	94.749
CGH	06-130.067	CGH_06_130	Illitic Muscovite	0.757	Montmorillonite	0.243	51.66
CGH	06-130.068	CGH_06_130	Illitic Muscovite	1	NULL	NULL	73.318
CGH	06-130.069	CGH_06_130	Illitic Muscovite	0.775	Montmorillonite	0.225	60.038
CGH	06-130.070	CGH_06_130	Muscovite	0.832	Gypsum	0.168	83.019
CGH	06-130.071	CGH_06_130	Illitic Muscovite	1	NULL	NULL	55.136
CGH	06-130.072	CGH_06_130	Illitic Muscovite	0.806	Montmorillonite	0.194	35.781
CGH	06-130.073	CGH_06_130	Illitic Muscovite	1	NULL	NULL	86.235
CGH	06-130.074	CGH_06_130	Illitic Muscovite	1	NULL	NULL	133.69
CGH	06-130.075	CGH_06_130	Illitic Muscovite	1	NULL	NULL	50.176
CGH	06-130.076	CGH_06_130	Illitic Muscovite	1	NULL	NULL	45.166
CGH	06-130.077	CGH_06_130	Illitic Muscovite	0.803	Montmorillonite	0.197	34.006
CGH	06-130.078	CGH_06_130	Illitic Muscovite	1	NULL	NULL	84.809
CGH	06-130.079	CGH_06_130	Illitic Muscovite	1	NULL	NULL	109.96
CGH	06-130.080	CGH_06_130	Illitic Muscovite	0.72	Montmorillonite	0.28	64.386
CGH	06-130.081	CGH_06_130	Illitic Muscovite	0.668	Montmorillonite	0.332	53.245
CGH	06-130.082	CGH_06_130	Illitic Muscovite	0.75	Montmorillonite	0.25	61.174
CGH	06-130.083	CGH_06_130	Illitic Muscovite	0.752	Montmorillonite	0.248	59.573
CGH	06-130.084	CGH_06_130	Muscovite	1	NULL	NULL	166.44
CGH	06-130.085	CGH_06_130	Illitic Muscovite	0.748	Montmorillonite	0.252	68.149
CGH	06-130.086	CGH_06_130	Illitic Muscovite	0.705	Montmorillonite	0.295	34.367
CGH	06-130.087	CGH_06_130	Illitic Muscovite	0.704	Montmorillonite	0.296	59.398
CGH	06-130.088	CGH_06_130	Illitic Muscovite	0.741	Montmorillonite	0.259	65.083
CGH	06-130.089	CGH_06_130	Illitic Muscovite	1	NULL	NULL	91.631
CGH	06-130.090	CGH_06_130	Illitic Paragonite	0.584	Montmorillonite	0.416	101.15
CGH	06-130.091	CGH_06_130	NULL	NULL	NULL	NULL	NULL
CGH	06-130.092	CGH_06_130	Illitic Muscovite	0.757	Montmorillonite	0.243	41.2
CGH	06-130.093	CGH_06_130	Muscovite	1	NULL	NULL	86.109
CGH	06-130.094	CGH_06_130	Illitic Muscovite	1	NULL	NULL	104.1
CGH	06-130.095	CGH_06_130	Illitic Muscovite	1	NULL	NULL	69.249
CGH	06-130.096	CGH_06_130	Muscovite	1	NULL	NULL	70.545
CGH	06-130.097	CGH_06_130	Illitic Muscovite	1	NULL	NULL	92.225
CGH	06-130.098	CGH_06_130	Muscovite	1	NULL	NULL	80.802
CGH	06-130.099	CGH_06_130	Illitic Muscovite	1	NULL	NULL	103.31
CGH	06-130.100	CGH_06_130	Illitic Muscovite	0.726	Montmorillonite	0.274	43.397
CGH	06-130.101	CGH_06_130	Illitic Muscovite	1	NULL	NULL	81.445
CGH	06-130.102	CGH_06_130	Muscovite	1	NULL	NULL	64.612
CGH	06-130.103	CGH_06_130	Illitic Muscovite	1	NULL	NULL	139.84
CGH	06-130.104	CGH_06_130	Illitic Muscovite	1	NULL	NULL	131.85
CGH	06-130.105	CGH_06_130	Muscovite	1	NULL	NULL	126.16
CGH	06-130.106	CGH_06_130	Illitic Muscovite	0.736	Montmorillonite	0.264	87.089
CGH	06-130.107	CGH_06_130	Illitic Muscovite	1	NULL	NULL	92.16
CGH	06-130.108	CGH_06_130	Siderite	0.639	Muscovite	0.361	28.338
CGH	06-130.109	CGH_06_130	Illitic Muscovite	0.792	Magnesium Clays	0.208	57.333
CGH	06-130.110	CGH_06_130	Illitic Muscovite	0.762	Montmorillonite	0.238	56.467
CGH	06-130.111	CGH_06_130	Illitic Muscovite	0.63	Montmorillonite	0.37	48.212
CGH	06-130.112	CGH_06_130	Illitic Muscovite	0.572	Montmorillonite	0.428	66.874
CGH	06-130.113	CGH_06_130	Illitic Muscovite	1	NULL	NULL	85.842
CGH	06-130.114	CGH_06_130	Illitic Muscovite	1	NULL	NULL	87.788
CGH	06-130.115	CGH_06_130	Illitic Muscovite	0.748	Montmorillonite	0.252	57.359

CGH	06-130.116	CGH_06_130	Illitic Muscovite	0.673	Siderite	0.327	57.677
CGH	06-130.117	CGH_06_130	Illitic Muscovite	0.709	Montmorillonite	0.291	56.31
CGH	06-130.118	CGH_06_130	Illitic Muscovite	0.721	Montmorillonite	0.279	82.246
CGH	06-130.119	CGH_06_130	Illitic Muscovite	1	NULL	NULL	87.221
CGH	06-130.120	CGH_06_130	Illitic Muscovite	0.741	Montmorillonite	0.259	87.515
CGH	06-130.121	CGH_06_130	Illitic Muscovite	0.671	Montmorillonite	0.329	44.266
CGH	06-130.122	CGH_06_130	Illitic Muscovite	0.727	Montmorillonite	0.273	65.005
CGH	06-130.123	CGH_06_130	Illitic Muscovite	1	NULL	NULL	115.36
CGH	06-130.124	CGH_06_130	Illitic Muscovite	1	NULL	NULL	108.48
CGH	06-130.125	CGH_06_130	Illitic Muscovite	0.697	Montmorillonite	0.303	73.806
CGH	06-130.126	CGH_06_130	Illitic Muscovite	0.701	Montmorillonite	0.299	64.305
CGH	06-130.127	CGH_06_130	Illitic Muscovite	0.729	Montmorillonite	0.271	65.291
CGH	06-130.128	CGH_06_130	Illitic Muscovite	0.652	Montmorillonite	0.348	48.448
CGH	06-130.129	CGH_06_130	Montmorillonite	0.529	Illitic Paragonite	0.471	66.717
CGH	06-130.130	CGH_06_130	Illitic Muscovite	0.695	Montmorillonite	0.305	49.527
CGH	06-130.131	CGH_06_130	Muscovite	1	NULL	NULL	112.82
CGH	06-130.132	CGH_06_130	Illitic Muscovite	1	NULL	NULL	91.571
CGH	06-130.133	CGH_06_130	Illitic Muscovite	1	NULL	NULL	127.2
CGH	06-130.134	CGH_06_130	Illitic Muscovite	0.584	Montmorillonite	0.416	42.937
CGH	06-130.135	CGH_06_130	Illitic Muscovite	0.723	Montmorillonite	0.277	79.398
CGH	06-130.136	CGH_06_130	Illitic Muscovite	0.823	Dolomite	0.177	64.954
CGH	06-130.137	CGH_06_130	Illitic Muscovite	0.684	Montmorillonite	0.316	64.105
CGH	06-130.138	CGH_06_130	Illitic Muscovite	0.659	Montmorillonite	0.341	57.175
CGH	06-130.139	CGH_06_130	Illitic Muscovite	0.542	Ankerite	0.458	50.317
CGH	06-130.140	CGH_06_130	Illitic Muscovite	0.714	Montmorillonite	0.286	49.751
CGH	06-130.141	CGH_06_130	Illitic Muscovite	0.783	Magnesium Clays	0.217	64.704
CGH	06-130.142	CGH_06_130	Montmorillonite	0.509	Illitic Paragonite	0.491	64.021
CGH	06-130.143	CGH_06_130	Illitic Muscovite	0.739	Montmorillonite	0.261	73.09
CGH	06-130.144	CGH_06_130	Montmorillonite	0.517	Illitic Paragonite	0.483	100.82
CGH	06-130.145	CGH_06_130	Montmorillonite	0.536	Illitic Paragonite	0.464	56.308
CGH	06-130.146	CGH_06_130	Illitic Muscovite	0.753	Montmorillonite	0.247	53.647
CGH	06-130.147	CGH_06_130	Illitic Muscovite	0.699	Montmorillonite	0.301	50.817
CGH	06-130.148	CGH_06_130	Illitic Muscovite	0.709	Montmorillonite	0.291	49.338
CGH	06-130.149	CGH_06_130	Illitic Muscovite	0.762	Montmorillonite	0.238	65.964
CGH	06-130.150	CGH_06_130	Illitic Muscovite	1	NULL	NULL	87.348
CGH	06-130.151	CGH_06_130	Illitic Muscovite	1	NULL	NULL	100.73
CGH	06-130.152	CGH_06_130	Illitic Muscovite	1	NULL	NULL	69.093
CGH	06-130.153	CGH_06_130	Muscovite	0.549	Kaolinite WX	0.451	83.786
CGH	06-130.154	CGH_06_130	Illitic Muscovite	1	NULL	NULL	101.03
CGH	06-130.155	CGH_06_130	Illitic Muscovite	0.698	Montmorillonite	0.302	43.996
CGH	06-130.156	CGH_06_130	Illitic Muscovite	0.703	Montmorillonite	0.297	86.264
CGH	06-130.157	CGH_06_130	Illitic Muscovite	0.748	Montmorillonite	0.252	63.892
CGH	06-130.158	CGH_06_130	Illitic Muscovite	0.679	Montmorillonite	0.321	54.929
CGH	06-130.159	CGH_06_130	Illitic Muscovite	1	NULL	NULL	128.41
CGH	06-130.160	CGH_06_130	Illitic Muscovite	0.687	Montmorillonite	0.313	66.576
CGH	06-130.161	CGH_06_130	Montmorillonite	0.515	Illitic Paragonite	0.485	99.238
CGH	06-130.162	CGH_06_130	Illitic Muscovite	0.744	Montmorillonite	0.256	77.32
CGH	06-130.163	CGH_06_130	Montmorillonite	0.501	Illitic Paragonite	0.499	78.52
CGH	06-130.164	CGH_06_130	Illitic Muscovite	1	NULL	NULL	82.862
CGH	06-130.165	CGH_06_130	Illitic Muscovite	1	NULL	NULL	87.047
CGH	06-130.166	CGH_06_130	Illitic Muscovite	1	NULL	NULL	86.475
CGH	06-130.167	CGH_06_130	Muscovite	1	NULL	NULL	385.77
CGH	06-130.168	CGH_06_130	Illitic Muscovite	0.738	Montmorillonite	0.262	52.398
CGH	06-130.169	CGH_06_130	Illitic Muscovite	1	NULL	NULL	74.955

CGH	06-130.170	CGH_06_130	Illitic Muscovite	0.772	Montmorillonite	0.228	58.082
CGH	06-130.171	CGH_06_130	Illitic Muscovite	0.751	Montmorillonite	0.249	62.413
CGH	06-130.172	CGH_06_130	Illitic Muscovite	0.662	Montmorillonite	0.338	50.428
CGH	06-130.173	CGH_06_130	Illitic Muscovite	0.724	Montmorillonite	0.276	51.486
CGH	06-130.174	CGH_06_130	Illitic Muscovite	1	NULL	NULL	97.816
CGH	06-130.175	CGH_06_130	Illitic Muscovite	0.739	Montmorillonite	0.261	70.569
CGH	06-130.176	CGH_06_130	Illitic Muscovite	0.733	Montmorillonite	0.267	45.026
CGH	06-130.177	CGH_06_130	Illitic Muscovite	1	NULL	NULL	205.65
CGH	06-130.178	CGH_06_130	Illitic Muscovite	1	NULL	NULL	92.679
CGH	06-130.179	CGH_06_130	Illitic Muscovite	1	NULL	NULL	99.133
CGH	06-130.180	CGH_06_130	Illitic Muscovite	1	NULL	NULL	132.74
CGH	06-130.181	CGH_06_130	Illitic Muscovite	1	NULL	NULL	110.94
CGH	06-130.182	CGH_06_130	Illitic Paragonite	0.504	Montmorillonite	0.496	66.585
CGH	06-130.183	CGH_06_130	Illitic Muscovite	0.764	Montmorillonite	0.236	49.818
CGH	06-130.184	CGH_06_130	Illitic Muscovite	1	NULL	NULL	197.15
CGH	06-130.185	CGH_06_130	Muscovite	1	NULL	NULL	80.683
CGH	06-130.186	CGH_06_130	Siderite	0.545	Muscovite	0.455	80.904
CGH	06-130.187	CGH_06_130	Siderite	0.542	Muscovite	0.458	95.251
CGH	06-130.188	CGH_06_130	Diaspore	0.637	Ankerite	0.363	124.73
CGH	06-130.189	CGH_06_130	Illitic Muscovite	0.589	Siderite	0.411	55.715
CGH	06-130.190	CGH_06_130	Illitic Muscovite	0.662	Montmorillonite	0.338	49.337
CGH	06-130.191	CGH_06_130	Illitic Muscovite	0.57	Montmorillonite	0.43	95.176
CGH	06-130.192	CGH_06_130	Illitic Muscovite	0.564	Montmorillonite	0.436	77.126
CGH	06-130.193	CGH_06_130	Illitic Muscovite	0.675	Montmorillonite	0.325	80.088
CGH	06-130.194	CGH_06_130	Illitic Muscovite	1	NULL	NULL	140.64
CGH	06-130.195	CGH_06_130	Illitic Muscovite	0.702	Montmorillonite	0.298	73.188
CGH	06-130.196	CGH_06_130	Illitic Muscovite	0.642	Montmorillonite	0.358	71.983
CGH	06-130.197	CGH_06_130	Illitic Muscovite	0.724	Calcite	0.276	108.4
CGH	06-130.198	CGH_06_130	Illitic Muscovite	0.685	Montmorillonite	0.315	87.075
CGH	06-130.199	CGH_06_130	Illitic Muscovite	1	NULL	NULL	65.878
CGH	06-130.200	CGH_06_130	Illitic Muscovite	0.765	Montmorillonite	0.235	55.069
CGH	06-130.201	CGH_06_130	Muscovite	1	NULL	NULL	215.86
CGH	06-130.202	CGH_06_130	Kaolinite PX	1	NULL	NULL	541.79
CGH	06-130.203	CGH_06_130	Illitic Muscovite	1	NULL	NULL	89.286
CGH	06-130.204	CGH_06_130	Muscovite	1	NULL	NULL	345.49
CGH	06-130.205	CGH_06_130	Illitic Muscovite	0.793	Dolomite	0.207	139.89
CGH	06-130.206	CGH_06_130	NULL	NULL	NULL	NULL	NULL
CGH	06-130.207	CGH_06_130	Illitic Muscovite	0.669	Montmorillonite	0.331	45.857
CGH	06-130.208	CGH_06_130	Siderite	0.546	Muscovite	0.454	138.91
CGH	06-130.209	CGH_06_130	Illitic Muscovite	1	NULL	NULL	99.671
CGH	06-130.210	CGH_06_130	Illitic Muscovite	0.668	Montmorillonite	0.332	59.184
CGH	06-130.211	CGH_06_130	Illitic Muscovite	0.656	Montmorillonite	0.344	54.648
CGH	06-130.212	CGH_06_130	Illitic Muscovite	0.743	Kaolinite PX	0.257	130.93
CGH	06-130.213	CGH_06_130	Muscovite	1	NULL	NULL	236.31
CGH	06-130.214	CGH_06_130	Muscovite	1	NULL	NULL	115.09
CGH	06-130.215	CGH_06_130	Muscovite	0.603	Siderite	0.397	79.509
CGH	06-130.216	CGH_06_130	Kaolinite PX	1	NULL	NULL	390.39
CGH	06-130.217	CGH_06_130	Illitic Muscovite	0.696	Montmorillonite	0.304	65.623
CGH	06-130.218	CGH_06_130	Illitic Muscovite	0.67	Montmorillonite	0.33	64.362
CGH	06-130.219	CGH_06_130	Illitic Muscovite	0.677	Montmorillonite	0.323	67.966
CGH	06-130.220	CGH_06_130	Illitic Muscovite	0.68	Montmorillonite	0.32	55.66
CGH	06-130.221	CGH_06_130	Illitic Muscovite	0.635	Montmorillonite	0.365	119.43
CGH	06-130.222	CGH_06_130	Siderite	0.783	Montmorillonite	0.217	66.928
CGH	06-130.223	CGH_06_130	Kaolinite PX	1	NULL	NULL	167.19

CGH	06-130.224	CGH_06_130	Illitic Muscovite	0.725	Montmorillonite	0.275	61.42
CGH	06-130.225	CGH_06_130	Illitic Muscovite	0.703	Kaolinite PX	0.297	184.87
CGH	06-130.226	CGH_06_130	Muscovite	1	NULL	NULL	226.96
CGH	06-130.227	CGH_06_130	Illitic Muscovite	0.685	Montmorillonite	0.315	52.876
CGH	06-130.228	CGH_06_130	Illitic Muscovite	1	NULL	NULL	93.914
CGH	06-130.229	CGH_06_130	Illitic Muscovite	0.74	Montmorillonite	0.26	53.444
CGH	06-130.230	CGH_06_130	Illitic Muscovite	0.704	Montmorillonite	0.296	91.031
CGH	06-130.231	CGH_06_130	Illitic Muscovite	0.651	Montmorillonite	0.349	87.25
CGH	06-130.232	CGH_06_130	Illitic Muscovite	0.683	Montmorillonite	0.317	69.435
CGH	06-130.233	CGH_06_130	Illitic Muscovite	1	NULL	NULL	220.74
CGH	06-130.234	CGH_06_130	Illitic Muscovite	1	NULL	NULL	100.51
CGH	06-130.235	CGH_06_130	Illitic Muscovite	1	NULL	NULL	98.204
CGH	06-130.236	CGH_06_130	Illitic Muscovite	0.658	Montmorillonite	0.342	40.398
CGH	06-130.237	CGH_06_130	NULL	NULL	NULL	NULL	NULL
CGH	06-130.238	CGH_06_130	Illitic Muscovite	0.536	Montmorillonite	0.464	107.68
CGH	06-130.239	CGH_06_130	Illitic Muscovite	0.652	Montmorillonite	0.348	50.254
CGH	06-130.240	CGH_06_130	Kaolinite WX	0.597	Illitic Muscovite	0.403	65.153
CGH	06-130.241	CGH_06_130	Illitic Muscovite	0.631	Montmorillonite	0.369	57.378
CGH	06-130.242	CGH_06_130	Illitic Muscovite	0.651	Montmorillonite	0.349	39.458
CGH	06-130.243	CGH_06_130	Illitic Muscovite	0.566	Kaolinite WX	0.434	91.707
CGH	06-130.244	CGH_06_130	Illitic Muscovite	0.654	Montmorillonite	0.346	35.673
CGH	06-130.245	CGH_06_130	Illitic Muscovite	0.718	Montmorillonite	0.282	97.776
CGH	06-130.246	CGH_06_130	Illitic Muscovite	1	NULL	NULL	212.1
CGH	06-130.247	CGH_06_130	Muscovite	1	NULL	NULL	170.09
CGH	06-130.248	CGH_06_130	Muscovite	0.831	Gypsum	0.169	193.86
CGH	06-130.249	CGH_06_130	NULL	NULL	NULL	NULL	NULL
CGH	06-130.250	CGH_06_130	Muscovite	0.841	Gypsum	0.159	219.36
CGH	06-130.251	CGH_06_130	Illitic Muscovite	0.711	Montmorillonite	0.289	45.013
CGH	06-130.252	CGH_06_130	Muscovite	1	NULL	NULL	180.43
CGH	06-130.253	CGH_06_130	Muscovite	1	NULL	NULL	124.16
CGH	06-130.254	CGH_06_130	Muscovite	1	NULL	NULL	354.41
CGH	06-130.255	CGH_06_130	Illitic Muscovite	0.553	Montmorillonite	0.447	95.292
CGH	06-130.256	CGH_06_130	FeMgChlorite	0.535	Illitic Muscovite	0.465	65.03
CGH	06-130.257	CGH_06_130	Kaolinite WX	0.561	Illitic Muscovite	0.439	65.85
CGH	06-130.258	CGH_06_130	Ankerite	0.708	Kaolinite PX	0.292	104.71
CGH	06-130.259	CGH_06_130	Siderite	0.6	Muscovite	0.4	83.72
CGH	06-130.260	CGH_06_130	Illitic Muscovite	0.627	Montmorillonite	0.373	78.961
CGH	06-130.261	CGH_06_130	Illitic Muscovite	0.536	Montmorillonite	0.464	63.114
CGH	06-130.262	CGH_06_130	Illitic Muscovite	0.595	Montmorillonite	0.405	64.424
CGH	06-130.263	CGH_06_130	Illitic Muscovite	0.621	FeMgChlorite	0.379	52.166
CGH	06-130.264	CGH_06_130	Illitic Muscovite	0.678	Montmorillonite	0.322	63.184
CGH	06-130.265	CGH_06_130	Illitic Muscovite	0.748	Magnesium Clays	0.252	76.023
CGH	06-130.266	CGH_06_130	Illitic Muscovite	0.688	Kaolinite WX	0.312	71.875
CGH	06-130.267	CGH_06_130	Illitic Muscovite	0.544	Montmorillonite	0.456	209.23
CGH	06-130.268	CGH_06_130	Illitic Muscovite	0.684	Montmorillonite	0.316	48.362
CGH	06-130.269	CGH_06_130	Illitic Muscovite	0.53	FeMgChlorite	0.47	48.708
CGH	06-130.270	CGH_06_130	Illitic Muscovite	0.711	Kaolinite PX	0.289	133.97
CGH	06-130.271	CGH_06_130	Illitic Muscovite	0.709	Kaolinite PX	0.291	180.34
CGH	06-130.272	CGH_06_130	Illitic Muscovite	0.69	Kaolinite PX	0.31	148.77
CGH	06-130.273	CGH_06_130	Illitic Muscovite	0.69	Kaolinite PX	0.31	146.16
CGH	06-130.274	CGH_06_130	Illitic Muscovite	0.7	Montmorillonite	0.3	76.171
CGH	06-130.275	CGH_06_130	Illitic Muscovite	0.598	Montmorillonite	0.402	87.706
CGH	06-130.276	CGH_06_130	Illitic Muscovite	0.608	Montmorillonite	0.392	151.07
CGH	06-130.277	CGH_06_130	Illitic Muscovite	0.561	FeMgChlorite	0.439	73.136

CGH	06-130.278	CGH_06_130	Illitic Muscovite	0.698	Montmorillonite	0.302	54.737
CGH	06-130.279	CGH_06_130	Illitic Muscovite	0.645	Montmorillonite	0.355	40.763
CGH	06-130.280	CGH_06_130	Illitic Muscovite	0.732	Montmorillonite	0.268	57.702
CGH	06-130.281	CGH_06_130	Illitic Muscovite	0.654	Montmorillonite	0.346	114.92
CGH	06-130.282	CGH_06_130	Illitic Muscovite	1	NULL	NULL	72.692
CGH	06-130.283	CGH_06_130	Illitic Muscovite	0.609	Montmorillonite	0.391	87.802
CGH	06-130.284	CGH_06_130	Kaolinite WX	0.61	Illitic Muscovite	0.39	114.21
CGH	06-133.043	CGH_06-133	Illitic Muscovite	0.711	Montmorillonite	0.289	38.985
CGH	06-133.044	CGH_06-133	Illitic Muscovite	0.749	Montmorillonite	0.251	52.652
CGH	06-133.045	CGH_06-133	Illitic Muscovite	0.767	Montmorillonite	0.233	43.194
CGH	06-133.046	CGH_06-133	Illitic Muscovite	0.812	Ankerite	0.188	59.504
CGH	06-133.047	CGH_06-133	Illitic Muscovite	0.668	Montmorillonite	0.332	44.59
CGH	06-133.048	CGH_06-133	Kaolinite WX	0.553	Illitic Muscovite	0.447	38.048
CGH	06-133.049	CGH_06-133	Illitic Muscovite	0.756	Montmorillonite	0.244	34.03
CGH	06-133.050	CGH_06-133	Illitic Muscovite	0.751	Montmorillonite	0.249	46.029
CGH	06-133.051	CGH_06-133	Muscovite	0.632	Siderite	0.368	132.3
CGH	06-133.052	CGH_06-133	Illitic Muscovite	0.534	Kaolinite WX	0.466	53.111
CGH	06-133.053	CGH_06-133	Illitic Muscovite	0.8	Kaolinite PX	0.2	79.39
CGH	06-133.054	CGH_06-133	Illitic Muscovite	0.719	Montmorillonite	0.281	74.569
CGH	06-133.055	CGH_06-133	Illitic Muscovite	0.555	Kaolinite WX	0.445	42.38
CGH	06-133.056	CGH_06-133	Illitic Muscovite	1	NULL	NULL	57.536
CGH	06-133.057	CGH_06-133	Illitic Muscovite	1	NULL	NULL	51.109
CGH	06-133.058	CGH_06-133	Illitic Muscovite	0.673	Montmorillonite	0.327	39.129
CGH	06-133.059	CGH_06-133	Kaolinite WX	0.705	Illitic Muscovite	0.295	38.142
CGH	06-133.060	CGH_06-133	Kaolinite WX	0.666	Illitic Muscovite	0.334	44.171
CGH	06-133.061	CGH_06-133	Illitic Muscovite	1	NULL	NULL	89.735
CGH	06-133.062	CGH_06-133	Illitic Muscovite	0.725	Kaolinite PX	0.275	137.57
CGH	06-133.063	CGH_06-133	Illitic Muscovite	0.529	Kaolinite WX	0.471	63.109
CGH	06-133.064	CGH_06-133	Kaolinite PX	0.675	Paragonite	0.325	207.4
CGH	06-133.065	CGH_06-133	Illitic Muscovite	0.72	Magnesium Clays	0.28	105.13
CGH	06-133.066	CGH_06-133	Kaolinite WX	0.674	Illitic Muscovite	0.326	87.58
CGH	06-133.067	CGH_06-133	Illitic Muscovite	0.607	Montmorillonite	0.393	69.542
CGH	06-133.068	CGH_06-133	Kaolinite WX	0.551	Illitic Muscovite	0.449	74.023
CGH	06-133.069	CGH_06-133	Illitic Muscovite	0.672	Montmorillonite	0.328	81.445
CGH	06-133.070	CGH_06-133	FeChlorite	0.55	Illitic Muscovite	0.45	59.004
CGH	06-133.071	CGH_06-133	Illitic Muscovite	0.603	Montmorillonite	0.397	44.88
CGH	06-133.072	CGH_06-133	Illitic Muscovite	0.616	Montmorillonite	0.384	66.093
CGH	06-133.073	CGH_06-133	Illitic Muscovite	0.741	Montmorillonite	0.259	49.396
CGH	06-133.074	CGH_06-133	Illitic Muscovite	0.589	FeMgChlorite	0.411	48.942
CGH	06-133.075	CGH_06-133	FeMgChlorite	0.707	Illitic Muscovite	0.293	44.88
CGH	06-133.076	CGH_06-133	Muscovite	1	NULL	NULL	174.49
CGH	06-133.077	CGH_06-133	Illitic Muscovite	0.653	Montmorillonite	0.347	60.627
CGH	06-133.078	CGH_06-133	Illitic Muscovite	0.704	Montmorillonite	0.296	57.104
CGH	06-133.079	CGH_06-133	Illitic Muscovite	1	NULL	NULL	50.858
CGH	06-133.080	CGH_06-133	FeMgChlorite	0.579	Illitic Muscovite	0.421	24.639
CGH	06-133.081	CGH_06-133	NULL	NULL	NULL	NULL	NULL
CGH	06-133.082	CGH_06-133	Illitic Muscovite	0.629	Ankerite	0.371	76.211
CGH	06-133.083	CGH_06-133	Muscovite	1	NULL	NULL	56.32
CGH	06-133.084	CGH_06-133	Illitic Muscovite	0.675	Montmorillonite	0.325	50.885
CGH	06-133.085	CGH_06-133	Illitic Muscovite	0.769	Ankerite	0.231	79.596
CGH	06-133.086	CGH_06-133	Illitic Muscovite	0.66	Montmorillonite	0.34	43.731
CGH	06-133.087	CGH_06-133	Illitic Muscovite	0.626	Montmorillonite	0.374	84.737
CGH	06-133.088	CGH_06-133	Illitic Muscovite	0.711	Montmorillonite	0.289	42.3
CGH	06-133.089	CGH_06-133	Illitic Muscovite	0.747	Montmorillonite	0.253	42.209

CGH	06-133.090	CGH_06-133	Illitic Muscovite	0.755	Montmorillonite	0.245	51.499
CGH	06-133.091	CGH_06-133	Illitic Muscovite	0.664	Montmorillonite	0.336	35.735
CGH	06-133.092	CGH_06-133	Illitic Muscovite	0.711	Montmorillonite	0.289	57.755
CGH	06-133.093	CGH_06-133	Illitic Muscovite	0.686	Montmorillonite	0.314	50.414
CGH	06-133.094	CGH_06-133	Kaolinite WX	0.575	Illitic Muscovite	0.425	87.524
CGH	06-133.095	CGH_06-133	Illitic Muscovite	0.727	Montmorillonite	0.273	78.673
CGH	06-133.096	CGH_06-133	Illitic Muscovite	1	NULL	NULL	113.74
CGH	06-133.097	CGH_06-133	Illitic Muscovite	0.622	Montmorillonite	0.378	69.756
CGH	06-133.098	CGH_06-133	Illitic Muscovite	0.596	FeMgChlorite	0.404	54.357
CGH	06-133.099	CGH_06-133	Illitic Muscovite	0.626	Kaolinite WX	0.374	92.765
CGH	06-133.100	CGH_06-133	Kaolinite WX	0.671	Illitic Muscovite	0.329	85.202
CGH	06-133.101	CGH_06-133	Illitic Muscovite	0.617	FeMgChlorite	0.383	39.726
CGH	06-133.102	CGH_06-133	Illitic Muscovite	1	NULL	NULL	91.547
CGH	06-133.103	CGH_06-133	Illitic Muscovite	1	NULL	NULL	118.57
CGH	06-133.104	CGH_06-133	Illitic Muscovite	0.714	Montmorillonite	0.286	75.311
CGH	06-133.105	CGH_06-133	Illitic Muscovite	0.764	Montmorillonite	0.236	68.695
CGH	06-133.106	CGH_06-133	Illitic Muscovite	0.733	Montmorillonite	0.267	63.806
CGH	07-143.052	CGH_07_143	Phengite	0.595	Gypsum	0.405	335.87
CGH	07-143.053	CGH_07_143	FeChlorite	0.655	Montmorillonite	0.345	63.562
CGH	07-143.054	CGH_07_143	FeChlorite	0.671	Illitic Muscovite	0.329	38.229
CGH	07-143.055	CGH_07_143	FeMgChlorite	0.648	Illitic Muscovite	0.352	44.565
CGH	07-143.056	CGH_07_143	Illitic Phengite	0.531	Montmorillonite	0.469	138.35
CGH	07-143.057	CGH_07_143	Illitic Muscovite	1	NULL	NULL	258.85
CGH	07-143.058	CGH_07_143	Illitic Phengite	0.637	Montmorillonite	0.363	124.03
CGH	07-143.059	CGH_07_143	Illitic Muscovite	0.578	Montmorillonite	0.422	224.02
CGH	07-143.060	CGH_07_143	FeMgChlorite	0.829	Illitic Muscovite	0.171	24.215
CGH	07-143.061	CGH_07_143	FeMgChlorite	0.767	Muscovite	0.233	40.846
CGH	07-143.062	CGH_07_143	FeMgChlorite	0.577	Illitic Muscovite	0.423	88.829
CGH	07-143.067	CGH_07_143	FeMgChlorite	0.593	Illitic Muscovite	0.407	33.875
CGH	07-143.068	CGH_07_143	Illitic Muscovite	1	NULL	NULL	242.09
CGH	07-143.069	CGH_07_143	Illitic Muscovite	0.567	Montmorillonite	0.433	235.69
CGH	07-143.070	CGH_07_143	Illitic Muscovite	0.621	FeMgChlorite	0.379	138.02
CGH	07-143.071	CGH_07_143	Nacrite	0.552	Illitic Muscovite	0.448	120.34
CGH	07-143.072	CGH_07_143	Illitic Muscovite	0.635	Kaolinite WX	0.365	127.21
CGH	07-143.073	CGH_07_143	Illitic Muscovite	1	NULL	NULL	167.14
CGH	07-143.074	CGH_07_143	Illitic Muscovite	0.513	Montmorillonite	0.487	71.878
CGH	07-143.075	CGH_07_143	MgChlorite	0.556	Illitic Muscovite	0.444	116.18
CGH	07-143.076	CGH_07_143	Montmorillonite	0.736	Epidote	0.264	183.28
CGH	07-143.077	CGH_07_143	FeMgChlorite	0.54	Kaolinite PX	0.46	228.23
CGH	07-143.078	CGH_07_143	MgChlorite	0.504	Illitic Muscovite	0.496	132.7
CGH	07-143.079	CGH_07_143	FeMgChlorite	0.689	Muscovite	0.311	46.932
CGH	07-143.080	CGH_07_143	FeMgChlorite	0.687	Phengite	0.313	42.296
CGH	07-143.081	CGH_07_143	Calcite	1	NULL	NULL	180.32
CGH	07-143.082	CGH_07_143	FeMgChlorite	0.734	Muscovite	0.266	43.118
CGH	07-143.083	CGH_07_143	MgChlorite	0.64	Muscovite	0.36	196.23
CGH	07-143.084	CGH_07_143	FeMgChlorite	1	NULL	NULL	95.9
CGH	07-143.085	CGH_07_143	Ankerite	0.536	Montmorillonite	0.464	158.77
CGH	07-143.086	CGH_07_143	FeChlorite	1	NULL	NULL	18.813
CGH	07-143.087	CGH_07_143	Muscovite	1	NULL	NULL	396.01
CGH	07-143.088	CGH_07_143	MgChlorite	0.595	Muscovite	0.405	113.46
CGH	07-143.089	CGH_07_143	Montmorillonite	0.818	Epidote	0.182	108.26
CGH	07-143.090	CGH_07_143	Illitic Muscovite	1	NULL	NULL	204.2
CGH	07-143.091	CGH_07_143	Illitic Muscovite	0.5	Montmorillonite	0.5	113.52
CGH	07-143.092	CGH_07_143	Illitic Muscovite	0.601	FeChlorite	0.399	74.691

CGH	07-143.093	CGH_07_143	Montmorillonite	0.624	Kaolinite PX	0.376	217.76
CGH	07-143.094	CGH_07_143	FeMgChlorite	0.659	Illitic Muscovite	0.341	31.71
CGH	07-143.095	CGH_07_143	Illitic Muscovite	1	NULL	NULL	129.5
CGH	07-143.096	CGH_07_143	MgChlorite	0.643	Phengite	0.357	99.217
CGH	07-143.097	CGH_07_143	FeMgChlorite	0.688	Muscovite	0.312	84.71
CGH	07-143.098	CGH_07_143	Illitic Muscovite	1	NULL	NULL	248.53
CGH	07-143.099	CGH_07_143	FeMgChlorite	0.62	Muscovite	0.38	31.802
CGH	07-143.100	CGH_07_143	Montmorillonite	0.525	Illitic Muscovite	0.475	101.79
CGH	07-143.101	CGH_07_143	FeChlorite	0.535	Montmorillonite	0.465	90.773
CGH	07-143.102	CGH_07_143	Kaolinite PX	1	NULL	NULL	356.08
CGH	07-143.103	CGH_07_143	Illitic Muscovite	0.604	Dickite	0.396	159.55
CGH	07-143.104	CGH_07_143	Montmorillonite	0.561	Dickite	0.439	160.04
CGH	07-143.105	CGH_07_143	Illitic Muscovite	0.553	Montmorillonite	0.447	54.2
CGH	07-143.106	CGH_07_143	Ankerite	0.541	Illitic Muscovite	0.459	60.277
CGH	07-143.107	CGH_07_143	Illitic Muscovite	0.717	Montmorillonite	0.283	101.01
CGH	07-143.108	CGH_07_143	Illitic Muscovite	0.532	Montmorillonite	0.468	165.27
CGH	07-143.109	CGH_07_143	Illitic Phengite	0.667	Montmorillonite	0.333	97.763
CGH	07-143.110	CGH_07_143	Illitic Phengite	1	NULL	NULL	85.063
CGH	07-143.111	CGH_07_143	Illitic Muscovite	1	NULL	NULL	117.31
CGH	07-143.112	CGH_07_143	Illitic Muscovite	0.791	Calcite	0.209	95.035
CGH	07-143.113	CGH_07_143	Montmorillonite	0.658	Kaolinite PX	0.342	186.23
CGH	07-143.114	CGH_07_143	Illitic Muscovite	0.735	Ankerite	0.265	108.83
CGH	07-143.115	CGH_07_143	NULL	NULL	NULL	NULL	NULL
CGH	07-143.116	CGH_07_143	NULL	NULL	NULL	NULL	NULL
CGH	07-143.117	CGH_07_143	NULL	NULL	NULL	NULL	NULL
CGH	07-143.118	CGH_07_143	Calcite	0.566	Muscovite	0.434	167.25
CGH	07-143.119	CGH_07_143	Muscovite	1	NULL	NULL	115.76
CGH	07-143.120	CGH_07_143	Illitic Muscovite	0.614	Montmorillonite	0.386	142.38
CGH	07-143.121	CGH_07_143	Calcite	0.569	Muscovite	0.431	65.675
CGH	07-143.122	CGH_07_143	Kaolinite WX	0.609	Illitic Muscovite	0.391	49.968
CGH	07-143.123	CGH_07_143	Illitic Muscovite	0.658	Montmorillonite	0.342	55.326
CGH	07-143.124	CGH_07_143	Dickite	0.647	Montmorillonite	0.353	109.7
CGH	07-143.125	CGH_07_143	Illitic Muscovite	0.553	Montmorillonite	0.447	124.71
CGH	07-143.126	CGH_07_143	FeChlorite	0.527	Illitic Muscovite	0.473	42.61
CGH	07-143.127	CGH_07_143	Illitic Phengite	0.755	Montmorillonite	0.245	49.146
CGH	07-143.128	CGH_07_143	Ankerite	0.715	Muscovite	0.285	38.847
CGH	07-143.129	CGH_07_143	FeMgChlorite	0.521	Illitic Muscovite	0.479	114.58
CGH	07-143.130	CGH_07_143	FeMgChlorite	0.723	Illitic Muscovite	0.277	45.861
CGH	07-143.131	CGH_07_143	FeMgChlorite	0.797	Illitic Muscovite	0.203	44.49
CGH	07-143.132	CGH_07_143	FeMgChlorite	0.673	Illitic Phengite	0.327	58.388
CGH	07-143.133	CGH_07_143	MgChlorite	0.68	Illitic Muscovite	0.32	121.3
CGH	07-143.134	CGH_07_143	FeMgChlorite	0.625	Kaolinite PX	0.375	113.79
CGH	07-143.135	CGH_07_143	FeChlorite	0.697	Calcite	0.303	89.446
CGH	07-143.136	CGH_07_143	FeMgChlorite	0.713	Illitic Phengite	0.287	49.528
CGH	07-143.137	CGH_07_143	FeMgChlorite	0.591	Illitic Muscovite	0.409	102.13
CGH	07-143.138	CGH_07_143	FeMgChlorite	0.763	Illitic Muscovite	0.237	60.06
CGH	07-143.139	CGH_07_143	FeMgChlorite	0.544	Kaolinite PX	0.456	223.62
CGH	07-143.140	CGH_07_143	FeMgChlorite	0.612	Illitic Muscovite	0.388	59.415
CGH	07-143.141	CGH_07_143	Illitic Muscovite	0.695	Montmorillonite	0.305	70.685
CGH	07-143.142	CGH_07_143	Illitic Muscovite	0.74	Montmorillonite	0.26	53.842
CGH	07-143.143	CGH_07_143	Illitic Muscovite	0.576	Montmorillonite	0.424	46.089
CGH	07-143.144	CGH_07_143	Illitic Muscovite	1	NULL	NULL	98.186
CGH	07-143.145	CGH_07_143	Kaolinite WX	0.574	Illitic Muscovite	0.426	60.524
CGH	07-143.146	CGH_07_143	Illitic Muscovite	0.553	Siderite	0.447	74.627

CGH	07-143.147	CGH_07_143	Kaolinite PX	0.608	Illitic Muscovite	0.392	183.14
CGH	07-143.148	CGH_07_143	Illitic Muscovite	0.632	Kaolinite PX	0.368	132.84
CGH	07-143.149	CGH_07_143	Dickite	0.58	Illitic Muscovite	0.42	122.16
CGH	07-143.150	CGH_07_143	Illitic Muscovite	0.742	Dickite	0.258	161.57
CGH	07-143.151	CGH_07_143	Kaolinite WX	0.706	Illitic Paragonite	0.294	75.792
CGH	07-143.152	CGH_07_143	Illitic Muscovite	0.546	Kaolinite WX	0.454	76.301
CGH	07-143.153	CGH_07_143	Illitic Muscovite	0.665	Montmorillonite	0.335	65.195
CGH	07-143.154	CGH_07_143	Kaolinite WX	0.611	Illitic Muscovite	0.389	58.251
CGH	07-143.155	CGH_07_143	Illitic Muscovite	0.693	Dickite	0.307	92.5
CGH	07-143.156	CGH_07_143	Illitic Muscovite	1	NULL	NULL	112.61
CGH	07-143.157	CGH_07_143	Kaolinite PX	0.637	Illitic Paragonite	0.363	191.48
CGH	07-143.158	CGH_07_143	Kaolinite WX	0.807	Illitic Paragonite	0.193	96.308
CGH	07-143.159	CGH_07_143	Montmorillonite	0.551	Illitic Paragonite	0.449	132.33
CGH	07-143.160	CGH_07_143	Illitic Muscovite	0.593	Montmorillonite	0.407	52.429
CGH	07-147.066	CGH_07-147	Kaolinite WX	0.578	Illitic Muscovite	0.422	118.31
CGH	07-147.067	CGH_07-147	Kaolinite PX	0.506	Montmorillonite	0.494	197.16
CGH	07-147.068	CGH_07-147	Illitic Muscovite	0.606	Dickite	0.394	114.19
CGH	07-147.069	CGH_07-147	Illitic Muscovite	0.641	Kaolinite PX	0.359	170.02
CGH	07-147.070	CGH_07-147	Illitic Muscovite	0.526	Montmorillonite	0.474	133.05
CGH	07-147.071	CGH_07-147	Illitic Phengite	0.522	Montmorillonite	0.478	94.813
CGH	07-147.072	CGH_07-147	Illitic Muscovite	0.557	Montmorillonite	0.443	47.761
CGH	07-147.073	CGH_07-147	Ankerite	0.551	Kaolinite WX	0.449	61.614
CGH	07-147.074	CGH_07-147	Kaolinite WX	0.705	Illitic Muscovite	0.295	38.362
CGH	07-147.075	CGH_07-147	Illitic Muscovite	0.581	Kaolinite WX	0.419	87.742
CGH	07-147.076	CGH_07-147	Kaolinite PX	0.502	Illitic Muscovite	0.498	226.84
CGH	07-147.077	CGH_07-147	Kaolinite PX	1	NULL	NULL	283.75
CGH	07-147.078	CGH_07-147	Illitic Muscovite	0.639	Montmorillonite	0.361	129.93
CGH	07-147.079	CGH_07-147	FeMgChlorite	0.727	Muscovite	0.273	26.207
CGH	07-147.080	CGH_07-147	Illitic Muscovite	0.524	Kaolinite WX	0.476	117.31
CGH	07-147.081	CGH_07-147	Nacrite	0.692	Illitic Muscovite	0.308	45.291
CGH	07-147.082	CGH_07-147	Illitic Muscovite	0.642	Kaolinite WX	0.358	114.67
CGH	07-147.083	CGH_07-147	Kaolinite WX	0.683	Montmorillonite	0.317	49.351
CGH	07-147.084	CGH_07-147	Illitic Muscovite	0.671	Montmorillonite	0.329	68.88
CGH	07-147.085	CGH_07-147	Kaolinite WX	0.502	Illitic Muscovite	0.498	92.016
CGH	07-147.086	CGH_07-147	Kaolinite WX	0.546	Illitic Muscovite	0.454	78.933
CGH	07-147.087	CGH_07-147	Illitic Muscovite	0.628	Kaolinite WX	0.372	73.072
CGH	07-147.088	CGH_07-147	Illitic Muscovite	0.701	Montmorillonite	0.299	38.27
CGH	07-147.089	CGH_07-147	Illitic Muscovite	0.631	Montmorillonite	0.369	77.169
CGH	07-147.090	CGH_07-147	Illitic Muscovite	0.772	Kaolinite WX	0.228	55.176
CGH	07-147.091	CGH_07-147	Kaolinite WX	0.634	Illitic Muscovite	0.366	53.789
CGH	07-147.092	CGH_07-147	Kaolinite WX	0.69	Illitic Muscovite	0.31	45.951
CGH	07-147.093	CGH_07-147	Kaolinite WX	0.686	Illitic Muscovite	0.314	44.68
CGH	07-147.094	CGH_07-147	Illitic Muscovite	0.631	Ankerite	0.369	71.281
CGH	07-147.095	CGH_07-147	Illitic Muscovite	0.696	Montmorillonite	0.304	52.344
CGH	07-147.096	CGH_07-147	Illitic Muscovite	0.672	Kaolinite WX	0.328	69.314
CGH	07-147.097	CGH_07-147	Illitic Muscovite	0.701	Montmorillonite	0.299	63.369
CGH	07-173.018	CGH_07-173	Montmorillonite	0.503	Illitic Muscovite	0.497	62.582
CGH	07-173.019	CGH_07-173	Montmorillonite	0.643	Kaolinite PX	0.357	130.53
CGH	07-173.020	CGH_07-173	Illitic Muscovite	0.583	FeMgChlorite	0.417	108.81
CGH	07-173.021	CGH_07-173	Kaolinite WX	0.539	Illitic Muscovite	0.461	66.758
CGH	07-173.022	CGH_07-173	Illitic Muscovite	0.783	Kaolinite PX	0.217	105.52
CGH	07-173.023	CGH_07-173	Illitic Muscovite	0.695	Montmorillonite	0.305	95.82
CGH	07-173.024	CGH_07-173	Illitic Muscovite	0.529	FeMgChlorite	0.471	53.628
CGH	07-173.025	CGH_07-173	Illitic Muscovite	0.513	FeMgChlorite	0.487	37.329

CGH	07-173.026	CGH_07-173	Illitic Muscovite	0.51	FeMgChlorite	0.49	78.844
CGH	07-173.027	CGH_07-173	Kaolinite WX	0.517	Illitic Muscovite	0.483	90.209
CGH	07-173.028	CGH_07-173	FeMgChlorite	0.693	Illitic Muscovite	0.307	45.944
CGH	07-173.029	CGH_07-173	Illitic Muscovite	0.6	Kaolinite WX	0.4	73.073
CGH	07-173.030	CGH_07-173	Illitic Muscovite	0.669	Montmorillonite	0.331	88.695
CGH	07-173.031	CGH_07-173	FeMgChlorite	0.575	Illitic Muscovite	0.425	51.213
CGH	07-173.032	CGH_07-173	Montmorillonite	0.544	Illitic Muscovite	0.456	160.68
CGH	07-173.033	CGH_07-173	Kaolinite WX	0.627	Montmorillonite	0.373	59.287
CGH	07-173.034	CGH_07-173	FeMgChlorite	0.525	Illitic Muscovite	0.475	62.138
CGH	07-173.035	CGH_07-173	Illitic Muscovite	0.628	FeChlorite	0.372	45.257
CGH	07-173.036	CGH_07-173	Illitic Muscovite	0.686	Montmorillonite	0.314	86.316
CGH	07-173.037	CGH_07-173	FeMgChlorite	0.594	Muscovite	0.406	22.366
CGH	07-173.038	CGH_07-173	Siderite	0.654	Phengite	0.346	36.321
CGH	07-173.039	CGH_07-173	Muscovite	1	NULL	NULL	215.72
CGH	07-173.040	CGH_07-173	FeMgChlorite	0.536	Montmorillonite	0.464	93.16
CGH	07-173.041	CGH_07-173	Illitic Muscovite	0.517	Kaolinite WX	0.483	90.781
CGH	07-173.042	CGH_07-173	Illitic Muscovite	0.525	FeMgChlorite	0.475	47.383
CGH	07-173.043	CGH_07-173	Montmorillonite	0.615	Kaolinite PX	0.385	148.2
CGH	07-173.044	CGH_07-173	Illitic Muscovite	0.547	FeMgChlorite	0.453	48.883
CGH	07-173.045	CGH_07-173	Illitic Muscovite	0.634	Montmorillonite	0.366	95.597
CGH	07-173.046	CGH_07-173	Muscovite	0.573	Palygorskite	0.427	141.03
CGH	07-173.047	CGH_07-173	Muscovite	0.713	Ankerite	0.287	162.83
CGH	07-173.048	CGH_07-173	Illitic Muscovite	0.573	Montmorillonite	0.427	139.6
CGH	07-173.049	CGH_07-173	FeMgChlorite	0.501	Illitic Muscovite	0.499	30.95
CGH	07-173.050	CGH_07-173	Illitic Muscovite	0.508	FeMgChlorite	0.492	45.81
CGH	07-173.051	CGH_07-173	Montmorillonite	0.501	Illitic Muscovite	0.499	103.11
CGH	07-173.052	CGH_07-173	FeMgChlorite	0.652	Illitic Muscovite	0.348	36.447
CGH	07-173.053	CGH_07-173	Ankerite	0.702	Muscovite	0.298	121.08
CGH	07-173.054	CGH_07-173	Illitic Muscovite	0.59	Kaolinite PX	0.41	180.1
CGH	07-173.055	CGH_07-173	Montmorillonite	0.811	Epidote	0.189	105.73
CGH	07-173.056	CGH_07-173	Kaolinite WX	0.518	Illitic Muscovite	0.482	129.93
CGH	07-173.057	CGH_07-173	FeMgChlorite	0.647	Montmorillonite	0.353	78.605
CGH	07-173.058	CGH_07-173	Illitic Muscovite	0.637	Calcite	0.363	106.78
CGH	07-173.059	CGH_07-173	Illitic Muscovite	0.509	Kaolinite WX	0.491	116.99
CGH	07-173.060	CGH_07-173	Montmorillonite	0.542	Kaolinite WX	0.458	115.25
CGH	07-173.061	CGH_07-173	Montmorillonite	0.501	Kaolinite WX	0.499	95.909
CGH	07-173.062	CGH_07-173	FeMgChlorite	0.533	Kaolinite PX	0.467	144.91
CGH	07-173.063	CGH_07-173	Kaolinite WX	0.529	Illitic Muscovite	0.471	123.99
CGH	07-173.064	CGH_07-173	Kaolinite WX	0.518	Illitic Muscovite	0.482	161.02
CGH	07-173.065	CGH_07-173	Illitic Muscovite	0.684	Kaolinite PX	0.316	196.91
CGH	07-173.066	CGH_07-173	Montmorillonite	0.647	Kaolinite PX	0.353	139.91
CGH	07-173.067	CGH_07-173	Montmorillonite	0.71	Epidote	0.29	151.58
CGH	07-173.068	CGH_07-173	FeMgChlorite	0.537	Illitic Muscovite	0.463	41.545
CGH	07-173.069	CGH_07-173	Kaolinite WX	0.642	Montmorillonite	0.358	80.659
CGH	07-173.070	CGH_07-173	Montmorillonite	0.584	Kaolinite PX	0.416	164.75
CGH	07-173.071	CGH_07-173	Illitic Muscovite	0.597	Kaolinite WX	0.403	190.85
CGH	07-173.072	CGH_07-173	FeChlorite	0.793	Illitic Muscovite	0.207	28.617
CGH	07-173.073	CGH_07-173	Kaolinite WX	0.538	Illitic Muscovite	0.462	154.92
CGH	07-173.074	CGH_07-173	Illitic Muscovite	0.525	Montmorillonite	0.475	123.94
CGH	07-173.075	CGH_07-173	FeMgChlorite	0.817	Kaolinite PX	0.183	48.311
CGH	07-173.076	CGH_07-173	Montmorillonite	0.569	Kaolinite WX	0.431	107.09
CGH	07-173.077	CGH_07-173	Illitic Muscovite	0.67	Magnesium Clays	0.33	113.65
CGH	07-173.078	CGH_07-173	Montmorillonite	0.502	Kaolinite WX	0.498	94.16
CGH	07-173.079	CGH_07-173	Montmorillonite	0.718	Epidote	0.282	128.48

CGH	07-173.080	CGH_07-173	Illitic Muscovite	0.521	Kaolinite WX	0.479	169.86
CGH	07-173.081	CGH_07-173	Illitic Muscovite	0.53	Kaolinite WX	0.47	144.07
CGH	07-173.082	CGH_07-173	FeMgChlorite	0.677	Illitic Muscovite	0.323	25.492
CGH	07-173.083	CGH_07-173	Illitic Muscovite	0.648	Calcite	0.352	82.955
CGH	07-173.084	CGH_07-173	FeChlorite	0.687	Illitic Muscovite	0.313	42.238
CGH	07-173.085	CGH_07-173	Illitic Muscovite	0.519	FeMgChlorite	0.481	45.75
CGH	07-173.086	CGH_07-173	Illitic Muscovite	0.551	Kaolinite WX	0.449	153
CGH	07-173.087	CGH_07-173	FeChlorite	0.664	Kaolinite PX	0.336	75.248
CGH	07-173.088	CGH_07-173	Illitic Muscovite	0.645	Montmorillonite	0.355	122.01
CGH	07-173.089	CGH_07-173	Illitic Muscovite	0.589	Montmorillonite	0.411	77.709
CGH	07-173.090	CGH_07-173	FeChlorite	0.632	Montmorillonite	0.368	41.227
CGH	07-173.091	CGH_07-173	Illitic Muscovite	0.503	FeMgChlorite	0.497	63.716
CGH	07-173.092	CGH_07-173	Kaolinite WX	0.633	Montmorillonite	0.367	97.319
CGH	07-173.093	CGH_07-173	Montmorillonite	0.588	FeMgChlorite	0.412	82.52
CGH	07-173.094	CGH_07-173	Illitic Muscovite	0.515	Kaolinite WX	0.485	146.35
CGH	07-173.095	CGH_07-173	FeMgChlorite	0.61	Montmorillonite	0.39	43.714
CGH	07-173.096	CGH_07-173	Kaolinite PX	0.567	FeMgChlorite	0.433	135.6
CGH	07-173.097	CGH_07-173	Illitic Muscovite	0.625	Kaolinite PX	0.375	155.65
CGH	07-173.098	CGH_07-173	Illitic Muscovite	0.573	Montmorillonite	0.427	171.31
CGH	07-173.099	CGH_07-173	Illitic Muscovite	0.705	Montmorillonite	0.295	59.437
CGH	07-173.100	CGH_07-173	Illitic Muscovite	1	NULL	NULL	160.54
CGH	07-173.101	CGH_07-173	Kaolinite WX	0.671	Montmorillonite	0.329	51.446
CGH	07-173.102	CGH_07-173	Illitic Muscovite	0.678	Montmorillonite	0.322	39.567
CGH	07-173.103	CGH_07-173	Illitic Muscovite	0.605	Kaolinite PX	0.395	122.79
CGH	07-173.104	CGH_07-173	Illitic Muscovite	0.501	Kaolinite WX	0.499	104.54
CGH	07-173.105	CGH_07-173	Illitic Muscovite	0.622	Montmorillonite	0.378	48.715
CGH	07-173.106	CGH_07-173	Illitic Muscovite	0.643	Kaolinite PX	0.357	174.16
CGH	07-173.107	CGH_07-173	Illitic Muscovite	0.716	Montmorillonite	0.284	78.529
CGH	07-173.108	CGH_07-173	Illitic Muscovite	0.656	Dickite	0.344	123.8
CGH	07-173.109	CGH_07-173	Illitic Muscovite	0.512	Montmorillonite	0.488	45.436
CGH	07-173.110	CGH_07-173	FeChlorite	0.653	Kaolinite PX	0.347	92.011
CGH	07-173.111	CGH_07-173	Illitic Muscovite	0.596	Montmorillonite	0.404	43.184
CGH	07-173.112	CGH_07-173	Illitic Muscovite	0.729	Magnesium Clays	0.271	78.734
CGH	07-173.113	CGH_07-173	Kaolinite WX	0.622	Illitic Muscovite	0.378	96.492
CGH	07-173.114	CGH_07-173	Illitic Muscovite	0.551	Montmorillonite	0.449	59.483
CGH	07-173.115	CGH_07-173	Illitic Muscovite	0.751	Kaolinite PX	0.249	164.03
CGH	07-173.116	CGH_07-173	Illitic Muscovite	0.66	Montmorillonite	0.34	71.196
CGH	07-173.117	CGH_07-173	Montmorillonite	0.537	Illitic Muscovite	0.463	72.784
CGH	07-173.118	CGH_07-173	Illitic Muscovite	0.525	Montmorillonite	0.475	90.753
CGH	07-173.119	CGH_07-173	Illitic Muscovite	0.691	Ankerite	0.309	108.44
CGH	07-173.120	CGH_07-173	Illitic Muscovite	0.606	Montmorillonite	0.394	49.225
CGH	07-173.121	CGH_07-173	Kaolinite PX	1	NULL	NULL	278.81
CGH	07-173.122	CGH_07-173	Illitic Muscovite	0.545	Montmorillonite	0.455	77.558
CGH	07-173.123	CGH_07-173	Illitic Muscovite	0.61	Montmorillonite	0.39	54.583
CGH	07-173.124	CGH_07-173	Kaolinite WX	0.761	Illitic Muscovite	0.239	48.098
CGH	07-173.125	CGH_07-173	Illitic Muscovite	0.64	Kaolinite PX	0.36	126.32
CGH	07-173.126	CGH_07-173	Illitic Muscovite	0.62	Montmorillonite	0.38	48.225
CGH	07-173.127	CGH_07-173	Illitic Paragonite	0.506	Montmorillonite	0.494	96.885
CGH	07-173.128	CGH_07-173	Illitic Muscovite	0.665	Montmorillonite	0.335	60.179
CGH	07-173.129	CGH_07-173	Montmorillonite	0.594	Dickite	0.406	111.17
CGH	07-173.130	CGH_07-173	Montmorillonite	0.615	Illitic Paragonite	0.385	88.289
CGH	07-173.131	CGH_07-173	Illitic Muscovite	0.752	Montmorillonite	0.248	47.589
CGH	07-173.132	CGH_07-173	Muscovite	0.533	Siderite	0.467	51.107
CGH	07-173.133	CGH_07-173	Illitic Muscovite	1	NULL	NULL	71.577

CGH	07-173.135	CGH_07-173	Muscovite	0.524	Dickite	0.476	370.64
CGH	07-173.137	CGH_07-173	Muscovite	0.636	Siderite	0.364	67.195
CGH	07-173.139	CGH_07-173	Illitic Muscovite	1	NULL	NULL	58.034
CGH	07-173.140	CGH_07-173	Muscovite	1	NULL	NULL	64.604
CGH	07-175.005	CGH_07-175	FeChlorite	0.723	Kaolinite PX	0.277	64.942
CGH	07-175.006	CGH_07-175	Montmorillonite	0.807	Epidote	0.193	120.71
CGH	07-175.007	CGH_07-175	Kaolinite WX	1	NULL	NULL	90.737
CGH	07-175.008	CGH_07-175	Montmorillonite	0.582	Illitic Muscovite	0.418	119.93
CGH	07-175.009	CGH_07-175	FeChlorite	0.745	Montmorillonite	0.255	42.828
CGH	07-175.010	CGH_07-175	Montmorillonite	0.768	Epidote	0.232	238.05
CGH	07-175.011	CGH_07-175	Montmorillonite	0.664	Ankerite	0.336	105.41
CGH	07-175.012	CGH_07-175	Montmorillonite	0.526	Epidote	0.474	393.41
CGH	07-175.013	CGH_07-175	FeMgChlorite	0.748	Illitic Muscovite	0.252	42.423
CGH	07-175.014	CGH_07-175	FeMgChlorite	0.788	Illitic Muscovite	0.212	37.913
CGH	07-175.015	CGH_07-175	FeMgChlorite	0.678	Illitic Muscovite	0.322	28.844
CGH	07-175.016	CGH_07-175	FeMgChlorite	0.781	Muscovite	0.219	71.583
CGH	07-175.017	CGH_07-175	MgChlorite	0.67	Epidote	0.33	257.54
CGH	07-175.018	CGH_07-175	FeMgChlorite	0.676	Illitic Muscovite	0.324	77.377
CGH	07-175.019	CGH_07-175	MgChlorite	0.71	Paragonite	0.29	157.94
CGH	07-175.020	CGH_07-175	FeMgChlorite	0.631	Illitic Muscovite	0.369	67.432
CGH	07-175.021	CGH_07-175	FeMgChlorite	0.722	Illitic Muscovite	0.278	40.441
CGH	07-175.022	CGH_07-175	Montmorillonite	0.773	Epidote	0.227	186.75
CGH	07-175.023	CGH_07-175	FeMgChlorite	0.747	Illitic Muscovite	0.253	34.257
CGH	07-175.024	CGH_07-175	FeMgChlorite	0.648	Illitic Muscovite	0.352	36.953
CGH	07-175.025	CGH_07-175	FeMgChlorite	0.65	Illitic Muscovite	0.35	34.526
CGH	07-175.026	CGH_07-175	Illitic Muscovite	0.587	Montmorillonite	0.413	110.71
CGH	07-175.027	CGH_07-175	Illitic Muscovite	1	NULL	NULL	249.72
CGH	07-175.028	CGH_07-175	FeMgChlorite	0.814	Muscovite	0.186	23.44
CGH	07-175.029	CGH_07-175	MgChlorite	0.538	Illitic Muscovite	0.462	99.538
CGH	07-175.030	CGH_07-175	Calcite	0.725	Epidote	0.275	322.62
CGH	07-175.031	CGH_07-175	FeMgChlorite	0.673	Illitic Muscovite	0.327	31.157
CGH	07-175.032	CGH_07-175	Illitic Muscovite	0.567	Kaolinite PX	0.433	239.88
CGH	07-175.033	CGH_07-175	Illitic Muscovite	1	NULL	NULL	106.5
CGH	07-175.034	CGH_07-175	FeMgChlorite	0.669	Muscovite	0.331	88.966
CGH	07-175.035	CGH_07-175	FeMgChlorite	0.637	Illitic Muscovite	0.363	54.518
CGH	07-175.036	CGH_07-175	FeMgChlorite	0.699	Illitic Muscovite	0.301	64.153
CGH	07-175.037	CGH_07-175	FeChlorite	0.738	Calcite	0.262	70.751
CGH	07-175.038	CGH_07-175	MgChlorite	0.635	Illitic Muscovite	0.365	90.687
CGH	07-175.039	CGH_07-175	FeMgChlorite	0.591	Illitic Muscovite	0.409	48.666
CGH	07-175.040	CGH_07-175	Epidote	1	NULL	NULL	80.106
CGH	07-175.041	CGH_07-175	Illitic Muscovite	0.562	MgChlorite	0.438	152.56
CGH	07-175.042	CGH_07-175	Montmorillonite	0.776	Epidote	0.224	157.78
CGH	07-175.043	CGH_07-175	Illitic Muscovite	0.544	Calcite	0.456	102.42
CGH	07-175.044	CGH_07-175	FeChlorite	0.828	Montmorillonite	0.172	25.013
CGH	07-175.045	CGH_07-175	Muscovite	1	NULL	NULL	139.58
CGH	07-175.046	CGH_07-175	Kaolinite WX	0.642	FeMgChlorite	0.358	81.589
CGH	07-175.047	CGH_07-175	FeMgChlorite	0.503	Kaolinite WX	0.497	40.298
CGH	07-175.048	CGH_07-175	Kaolinite WX	0.569	Ankerite	0.431	120.99
CGH	07-175.049	CGH_07-175	Kaolinite PX	0.561	FeMgChlorite	0.439	125.98
CGH	07-175.050	CGH_07-175	Kaolinite WX	0.732	Illitic Muscovite	0.268	72.192
CGH	07-196.033	CGH_07-196	Montmorillonite	0.667	Epidote	0.333	289.66
CGH	07-196.034	CGH_07-196	Montmorillonite	0.668	Ankerite	0.332	121.17
CGH	07-196.035	CGH_07-196	Illitic Muscovite	0.559	Kaolinite PX	0.441	153.28
CGH	07-196.036	CGH_07-196	Kaolinite WX	0.567	FeMgChlorite	0.433	53.903

CGH	07-196.037	CGH_07-196	FeMgChlorite	0.704	Illitic Muscovite	0.296	49.998
CGH	07-196.038	CGH_07-196	Illitic Muscovite	0.609	Kaolinite WX	0.391	65.909
CGH	07-196.039	CGH_07-196	Nacrite	0.635	Kaolinite WX	0.365	56.991
CGH	07-196.040	CGH_07-196	FeMgChlorite	0.665	Kaolinite WX	0.335	81.648
CGH	07-196.041	CGH_07-196	Kaolinite WX	0.633	Illitic Muscovite	0.367	40.45
CGH	07-196.042	CGH_07-196	Illitic Muscovite	0.599	Kaolinite WX	0.401	56.1
CGH	07-196.043	CGH_07-196	Illitic Muscovite	0.596	Kaolinite WX	0.404	48.225
CGH	07-196.044	CGH_07-196	Illitic Muscovite	0.582	Kaolinite WX	0.418	55.832
CGH	07-196.045	CGH_07-196	Dickite	0.513	Kaolinite WX	0.487	161.61
CGH	07-196.046	CGH_07-196	Illitic Muscovite	0.764	Kaolinite PX	0.236	119.16
CGH	07-196.047	CGH_07-196	Muscovite	0.627	Ankerite	0.373	69.43
CGH	07-196.048	CGH_07-196	Illitic Muscovite	1	NULL	NULL	79.822
CGH	07-196.049	CGH_07-196	Illitic Muscovite	0.705	Montmorillonite	0.295	55.302
CGH	07-196.050	CGH_07-196	Illitic Muscovite	1	NULL	NULL	123.65
CGH	07-196.051	CGH_07-196	Illitic Muscovite	0.692	Montmorillonite	0.308	45.147
CGH	07-196.052	CGH_07-196	Illitic Muscovite	0.846	Kaolinite PX	0.154	69.764
CGH	07-196.053	CGH_07-196	Illitic Muscovite	0.577	Kaolinite WX	0.423	64.525
CGH	07-196.054	CGH_07-196	Illitic Muscovite	0.768	Kaolinite PX	0.232	84.747
CGH	07-196.055	CGH_07-196	Kaolinite WX	0.658	Illitic Muscovite	0.342	75.272
CGH	07-196.056	CGH_07-196	Muscovite	0.75	Kaolinite PX	0.25	144.1
CGH	07-196.057	CGH_07-196	Kaolinite WX	0.505	Illitic Muscovite	0.495	71.087
CGH	07-196.058	CGH_07-196	Illitic Muscovite	0.609	Kaolinite WX	0.391	86.881
CGH	07-196.059	CGH_07-196	Kaolinite WX	0.582	Illitic Muscovite	0.418	83.302
CGH	07-196.060	CGH_07-196	Illitic Muscovite	0.543	Siderite	0.457	53.595
CGH	07-196.061	CGH_07-196	Illitic Muscovite	0.669	Montmorillonite	0.331	58.267
CGH	07-196.062	CGH_07-196	Kaolinite WX	0.814	Illitic Paragonite	0.186	56.631
CGH	07-196.063	CGH_07-196	Kaolinite WX	0.53	Illitic Muscovite	0.47	69.241
CGH	07-196.064	CGH_07-196	Kaolinite WX	0.602	Illitic Muscovite	0.398	48.323
CGH	07-196.065	CGH_07-196	Kaolinite WX	0.826	Montmorillonite	0.174	37.541
CGH	07-196.066	CGH_07-196	Kaolinite WX	0.657	Illitic Muscovite	0.343	56.117
CGH	07-196.067	CGH_07-196	Illitic Muscovite	0.579	Kaolinite WX	0.421	41.621
CGH	07-196.068	CGH_07-196	Illitic Muscovite	1	NULL	NULL	69.085
CGH	07-196.069	CGH_07-196	Illitic Muscovite	0.637	Siderite	0.363	50.631
CGH	07-196.070	CGH_07-196	Illitic Muscovite	0.605	Siderite	0.395	43.922
CGH	07-196.071	CGH_07-196	Illitic Paragonite	0.505	Montmorillonite	0.495	76.666
CGH	07-196.072	CGH_07-196	Illitic Muscovite	1	NULL	NULL	75.977
CGH	07-196.073	CGH_07-196	Illitic Muscovite	0.752	Magnesium Clays	0.248	69.043
CGH	07-196.074	CGH_07-196	Illitic Muscovite	0.71	Ankerite	0.29	54.524
CGH	07-196.075	CGH_07-196	FeMgChlorite	0.669	Illitic Muscovite	0.331	16.752
CGH	07-196.076	CGH_07-196	FeMgChlorite	1	NULL	NULL	49.58
CGH	07-196.077	CGH_07-196	Kaolinite WX	0.616	Montmorillonite	0.384	63.526
CGH	07-196.078	CGH_07-196	FeMgChlorite	0.737	Kaolinite PX	0.263	80.57
CGH	07-196.079	CGH_07-196	Kaolinite WX	0.639	Siderite	0.361	52.804
CGH	07-196.080	CGH_07-196	FeMgChlorite	1	NULL	NULL	126.87
CGH	07-196.081	CGH_07-196	FeMgChlorite	1	NULL	NULL	20.525
CGH	07-196.082	CGH_07-196	Illitic Muscovite	0.757	Ankerite	0.243	67.074
CGH	07-196.083	CGH_07-196	Illitic Muscovite	1	NULL	NULL	141.7
CGH	07-196.084	CGH_07-196	Illitic Muscovite	0.707	Ankerite	0.293	83.969
CGH	07-196.085	CGH_07-196	Illitic Muscovite	0.71	Montmorillonite	0.29	106.19
CGH	07-196.086	CGH_07-196	Calcite	0.701	Muscovite	0.299	89.34
CGH	07-196.087	CGH_07-196	Illitic Muscovite	0.687	Montmorillonite	0.313	78.882
CGH	07-196.088	CGH_07-196	FeMgChlorite	0.669	Illitic Muscovite	0.331	55.626
CGH	07-196.089	CGH_07-196	Illitic Muscovite	1	NULL	NULL	84.811
CGH	07-196.090	CGH_07-196	Illitic Muscovite	1	NULL	NULL	104.18

CGH	07-196.091	CGH_07-196	Illitic Muscovite	0.646	Siderite	0.354	47.294
CGH	07-196.092	CGH_07-196	Illitic Muscovite	1	NULL	NULL	95.386
CGH	07-196.093	CGH_07-196	Illitic Muscovite	1	NULL	NULL	68.744
CGH	07-196.094	CGH_07-196	Illitic Muscovite	0.638	Siderite	0.362	31.647
CGH	07-196.095	CGH_07-196	Illitic Muscovite	1	NULL	NULL	80.813
CGH	07-196.096	CGH_07-196	Dickite	0.649	Illitic Muscovite	0.351	99.272
CGH	07-196.097	CGH_07-196	Illitic Muscovite	0.548	Kaolinite WX	0.452	98.266
CGH	07-196.098	CGH_07-196	Illitic Muscovite	0.721	Montmorillonite	0.279	48.296
CGH	07-196.099	CGH_07-196	Kaolinite WX	0.564	Montmorillonite	0.436	79.654
CGH	07-196.100	CGH_07-196	Illitic Muscovite	0.642	Kaolinite WX	0.358	92.075
CGH	07-196.101	CGH_07-196	Illitic Muscovite	1	NULL	NULL	86.025
CGH	07-196.102	CGH_07-196	Illitic Muscovite	0.844	Ankerite	0.156	46.192
CGH	07-196.103	CGH_07-196	Illitic Muscovite	1	NULL	NULL	81.362
CGH	07-196.104	CGH_07-196	Illitic Muscovite	0.801	Ankerite	0.199	66.381
CGH	07-196.105	CGH_07-196	Illitic Muscovite	0.741	Dickite	0.259	67.553
CGH	07-196.106	CGH_07-196	Kaolinite WX	0.695	Muscovite	0.305	99.55
CGH	07-196.107	CGH_07-196	Kaolinite WX	0.755	Illitic Paragonite	0.245	94.028
CGH	07-196.108	CGH_07-196	Illitic Muscovite	0.634	Dickite	0.366	226.53
CGH	07-196.109	CGH_07-196	Kaolinite WX	0.672	Illitic Muscovite	0.328	66.089
CGH	07-196.110	CGH_07-196	Illitic Muscovite	0.767	Kaolinite PX	0.233	88.453
CGH	07-196.111	CGH_07-196	FeMgChlorite	0.739	Illitic Muscovite	0.261	25.585
CGH	07-196.112	CGH_07-196	Kaolinite WX	0.521	Nacrite	0.479	135.96
CGH	07-196.113	CGH_07-196	FeMgChlorite	0.707	Illitic Muscovite	0.293	32.955
CGH	07-196.114	CGH_07-196	Montmorillonite	0.633	Illitic Paragonite	0.367	94.338
CGH	07-196.115	CGH_07-196	Illitic Muscovite	0.75	Ankerite	0.25	56.419
CGH	07-196.116	CGH_07-196	FeMgChlorite	0.825	Illitic Muscovite	0.175	13.769
CGH	07-196.117	CGH_07-196	FeMgChlorite	0.801	Kaolinite PX	0.199	62.659
CGH	07-196.118	CGH_07-196	FeMgChlorite	0.715	Montmorillonite	0.285	39.934
CGH	07-196.119	CGH_07-196	Illitic Muscovite	0.603	FeMgChlorite	0.397	62.015
CGH	07-196.120	CGH_07-196	FeMgChlorite	0.52	Illitic Muscovite	0.48	64.95
CGH	07-196.121	CGH_07-196	Montmorillonite	0.584	Ankerite	0.416	91.385
CGH	07-196.122	CGH_07-196	Calcite	0.659	Muscovite	0.341	118.85
CGH	07-196.123	CGH_07-196	Ankerite	0.805	Montmorillonite	0.195	24.137
CGH	07-196.124	CGH_07-196	Illitic Muscovite	0.669	Montmorillonite	0.331	54.713
CGH	07-196.125	CGH_07-196	FeMgChlorite	0.714	Illitic Muscovite	0.286	20.434
CGH	07-196.126	CGH_07-196	FeMgChlorite	0.557	Illitic Muscovite	0.443	59.539
CGH	07-196.127	CGH_07-196	Illitic Muscovite	0.818	Ankerite	0.182	51.761
CGH	07-196.128	CGH_07-196	Illitic Muscovite	0.741	Ankerite	0.259	90.227
CGH	07-196.129	CGH_07-196	FeMgChlorite	0.622	Ankerite	0.378	83.541
CGH	07-196.130	CGH_07-196	FeChlorite	0.634	Montmorillonite	0.366	35.745
CGH	07-196.131	CGH_07-196	Ankerite	0.639	Hornblende	0.361	105.85
CGH	07-196.132	CGH_07-196	FeMgChlorite	0.668	Ankerite	0.332	83.057
CGH	07-196.133	CGH_07-196	FeMgChlorite	0.799	Illitic Muscovite	0.201	39.595
CGH	07-196.134	CGH_07-196	FeMgChlorite	0.683	Muscovite	0.317	31.887
CGH	07-196.135	CGH_07-196	Illitic Muscovite	0.588	FeMgChlorite	0.412	49.48
CGH	07-196.136	CGH_07-196	FeMgChlorite	0.576	Muscovite	0.424	49.473
CGH	07-196.137	CGH_07-196	FeMgChlorite	1	NULL	NULL	40.067
CGH	07-196.138	CGH_07-196	FeMgChlorite	0.752	Calcite	0.248	44.052
CGH	07-196.139	CGH_07-196	FeMgChlorite	0.718	Illitic Phengite	0.282	44.055
CGH	07-196.140	CGH_07-196	FeMgChlorite	0.549	Illitic Muscovite	0.451	34.326
CGH	07-196.141	CGH_07-196	FeMgChlorite	1	NULL	NULL	44.328
CGH	07-196.142	CGH_07-196	FeMgChlorite	0.771	Ankerite	0.229	62.78
CGH	07-196.143	CGH_07-196	FeMgChlorite	0.787	Montmorillonite	0.213	35.177
CGH	07-196.144	CGH_07-196	MgChlorite	1	NULL	NULL	168.18

CGH	07-196.145	CGH_07-196	FeMgChlorite	0.838	Montmorillonite	0.162	51.31
CGH	07-196.146	CGH_07-196	MgChlorite	0.823	Epidote	0.177	104.08
CGH	07-196.147	CGH_07-196	FeMgChlorite	1	NULL	NULL	143.97
CGH	07-196.148	CGH_07-196	FeMgChlorite	0.679	Magnesium Clays	0.321	100.42
CGH	07-196.149	CGH_07-196	MgChlorite	0.764	Epidote	0.236	194.52
CGH	07-196.150	CGH_07-196	FeMgChlorite	1	NULL	NULL	23.255
CGH	07-196.151	CGH_07-196	FeMgChlorite	0.831	Illitic Muscovite	0.169	15.861
CGH	07-196.152	CGH_07-196	Illitic Muscovite	0.571	FeMgChlorite	0.429	46.42
CGH	07-196.153	CGH_07-196	FeMgChlorite	0.684	Illitic Phengite	0.316	19.356
CGH	07-196.154	CGH_07-196	FeMgChlorite	0.695	Illitic Muscovite	0.305	22.971
CGH	07-196.155	CGH_07-196	FeMgChlorite	0.672	Calcite	0.328	29.837
CGH	07-196.156	CGH_07-196	Illitic Muscovite	0.545	FeMgChlorite	0.455	45.748
CGH	07-196.157	CGH_07-196	Illitic Muscovite	0.793	Montmorillonite	0.207	47.078
CGH	07-196.158	CGH_07-196	Illitic Muscovite	1	NULL	NULL	81.77
CGH	07-196.159	CGH_07-196	Illitic Muscovite	0.775	Ankerite	0.225	50.365
CGH	07-196.160	CGH_07-196	Muscovite	0.665	Calcite	0.335	104.93
CGH	07-196.161	CGH_07-196	Illitic Muscovite	1	NULL	NULL	84.341
CGH	07-196.162	CGH_07-196	Illitic Muscovite	0.82	Calcite	0.18	81.725
CGH	07-196.163	CGH_07-196	Illitic Muscovite	1	NULL	NULL	80.096
CGH	07-196.164	CGH_07-196	Kaolinite WX	0.597	Montmorillonite	0.403	57.171
CGH	07-196.165	CGH_07-196	FeMgChlorite	0.849	Illitic Phengite	0.151	12.141
CGH	07-196.166	CGH_07-196	FeMgChlorite	0.69	Illitic Muscovite	0.31	42.806
CGH	07-196.167	CGH_07-196	FeMgChlorite	0.656	Illitic Muscovite	0.344	24.842
CGH	07-196.168	CGH_07-196	Kaolinite WX	0.503	Illitic Muscovite	0.497	151.69
CGH	07-196.169	CGH_07-196	Illitic Muscovite	1	NULL	NULL	101.26
CGH	07-196.170	CGH_07-196	Illitic Muscovite	1	NULL	NULL	76.213
CGH	07-196.171	CGH_07-196	Illitic Muscovite	0.676	Montmorillonite	0.324	87.978
CGH	07-196.172	CGH_07-196	Kaolinite PX	0.678	Epidote	0.322	401.51
CGH	07-196.173	CGH_07-196	Kaolinite WX	1	NULL	NULL	74.729
CGH	07-196.174	CGH_07-196	Illitic Muscovite	0.637	Montmorillonite	0.363	41.31
CGH	07-196.175	CGH_07-196	FeChlorite	0.655	Montmorillonite	0.345	41.361
CGH	07-196.176	CGH_07-196	Montmorillonite	0.788	Epidote	0.212	162.89
CGH	07-196.177	CGH_07-196	Illitic Muscovite	0.829	Calcite	0.171	99.312
CGH	07-196.178	CGH_07-196	Illitic Muscovite	0.777	Ankerite	0.223	77.497
CGH	07-196.179	CGH_07-196	Ankerite	0.611	Muscovite	0.389	62.548
CGH	07-196.180	CGH_07-196	Illitic Muscovite	0.66	Montmorillonite	0.34	59.299
CGH	07-196.181	CGH_07-196	Montmorillonite	0.506	Illitic Muscovite	0.494	72.954
CGH	07-196.182	CGH_07-196	FeChlorite	0.591	Illitic Muscovite	0.409	54.179
CGH	07-196.183	CGH_07-196	Illitic Muscovite	1	NULL	NULL	104.92
CGH	07-196.184	CGH_07-196	Illitic Phengite	1	NULL	NULL	168.29
CGH	07-196.185	CGH_07-196	Illitic Muscovite	0.553	Kaolinite WX	0.447	82.682
CGH	07-196.186	CGH_07-196	Illitic Muscovite	0.616	Montmorillonite	0.384	75.599
CGH	07-196.187	CGH_07-196	Illitic Muscovite	0.643	Montmorillonite	0.357	37.042
CGH	07-196.188	CGH_07-196	Illitic Muscovite	0.69	Montmorillonite	0.31	36.524
CGH	07-196.189	CGH_07-196	Illitic Muscovite	0.684	Kaolinite WX	0.316	94.488
CGH	07-196.190	CGH_07-196	Illitic Muscovite	0.645	Montmorillonite	0.355	91.355
CGH	07-196.191	CGH_07-196	Illitic Muscovite	0.575	Montmorillonite	0.425	43.212
CGH	07-196.192	CGH_07-196	Illitic Paragonite	0.565	Montmorillonite	0.435	74.871
CGH	07-196.193	CGH_07-196	Illitic Paragonite	0.592	Montmorillonite	0.408	63.82
CGH	07-196.194	CGH_07-196	Illitic Muscovite	0.662	Montmorillonite	0.338	43.53
CGH	07-196.195	CGH_07-196	Illitic Muscovite	0.672	Montmorillonite	0.328	45.569
CGH	07-196.196	CGH_07-196	Illitic Muscovite	0.745	Montmorillonite	0.255	60.789
CGH	07-196.197	CGH_07-196	Illitic Muscovite	0.666	Montmorillonite	0.334	40.24
CGH	07-196.198	CGH_07-196	Kaolinite WX	0.719	Illitic Muscovite	0.281	80.49

CGH	07-196.199	CGH_07-196	Illitic Muscovite	1	NULL	NULL	65.834
CGH	07-196.200	CGH_07-196	Illitic Muscovite	0.672	Montmorillonite	0.328	53.226
CGH	07-196.201	CGH_07-196	Illitic Muscovite	0.633	FeMgChlorite	0.367	48.19
CGH	07-196.202	CGH_07-196	Illitic Muscovite	0.669	Calcite	0.331	109.65
CGH	07-196.203	CGH_07-196	Illitic Muscovite	0.788	Magnesium Clays	0.212	64.927
CGH	07-196.204	CGH_07-196	Illitic Muscovite	0.722	Montmorillonite	0.278	54.784
CGH	07-196.205	CGH_07-196	Kaolinite WX	0.552	Illitic Muscovite	0.448	132.03
CGH	07-196.206	CGH_07-196	Illitic Muscovite	0.699	Montmorillonite	0.301	40.898
CGH	07-196.207	CGH_07-196	Illitic Muscovite	0.751	Montmorillonite	0.249	52.292
CGH	07-196.208	CGH_07-196	Illitic Muscovite	0.763	Magnesium Clays	0.237	53.687
CGH	07-196.209	CGH_07-196	Illitic Muscovite	0.651	Montmorillonite	0.349	41.517
CGH	07-196.210	CGH_07-196	Illitic Muscovite	0.65	Kaolinite WX	0.35	60.335
CGH	07-196.211	CGH_07-196	Illitic Muscovite	1	NULL	NULL	67.57
CGH	07-196.212	CGH_07-196	Illitic Muscovite	1	NULL	NULL	64.532
CGH	07-196.213	CGH_07-196	Illitic Muscovite	1	NULL	NULL	63.206
CGH	07-196.214	CGH_07-196	Illitic Muscovite	0.691	Montmorillonite	0.309	45.855
CGH	07-196.215	CGH_07-196	Illitic Muscovite	0.611	Kaolinite WX	0.389	50.973
CGH	07-196.216	CGH_07-196	Illitic Muscovite	0.718	Montmorillonite	0.282	72.255
CGH	07-196.217	CGH_07-196	Illitic Muscovite	0.687	Montmorillonite	0.313	59.629
CGH	07-196.218	CGH_07-196	Illitic Muscovite	0.742	Montmorillonite	0.258	62.442
CGH	07-196.219	CGH_07-196	Illitic Muscovite	0.636	Kaolinite WX	0.364	115.24
CGH	07-196.220	CGH_07-196	Illitic Muscovite	0.539	FeMgChlorite	0.461	31.316
CGH	07-196.221	CGH_07-196	FeMgChlorite	0.579	Illitic Muscovite	0.421	35.792
CGH	07-196.222	CGH_07-196	Illitic Muscovite	0.632	FeMgChlorite	0.368	86.342
CGH	07-196.223	CGH_07-196	Illitic Muscovite	0.748	Montmorillonite	0.252	42.941
CGH	07-196.224	CGH_07-196	Kaolinite WX	0.561	FeMgChlorite	0.439	53.326
CGH	07-196.225	CGH_07-196	FeMgChlorite	0.512	Illitic Muscovite	0.488	30.063
CGH	07-196.226	CGH_07-196	Nacrite	0.589	Illitic Muscovite	0.411	126.64
CGH	07-196.227	CGH_07-196	FeMgChlorite	0.654	Illitic Muscovite	0.346	58.214
CGH	07-196.228	CGH_07-196	Illitic Muscovite	1	NULL	NULL	60.583
CGH	07-196.229	CGH_07-196	Illitic Muscovite	0.676	FeMgChlorite	0.324	86.849
CGH	07-196.230	CGH_07-196	Kaolinite WX	0.512	Illitic Muscovite	0.488	131.46
CGH	07-196.231	CGH_07-196	Illitic Muscovite	0.598	FeMgChlorite	0.402	40.52
CGH	07-196.232	CGH_07-196	Illitic Muscovite	0.649	FeMgChlorite	0.351	35.146
CGH	07-196.233	CGH_07-196	Illitic Muscovite	0.704	Montmorillonite	0.296	35.624
CGH	07-196.234	CGH_07-196	Illitic Muscovite	0.615	Montmorillonite	0.385	54.796
CGH	07-196.235	CGH_07-196	Illitic Muscovite	0.707	Montmorillonite	0.293	49.43
CGH	07-196.236	CGH_07-196	Illitic Muscovite	0.716	Montmorillonite	0.284	35.726
CGH	07-196.237	CGH_07-196	FeMgChlorite	0.628	Illitic Muscovite	0.372	29.532
CGH	07-196.238	CGH_07-196	FeMgChlorite	0.512	Illitic Muscovite	0.488	31.406
CGH	07-196.239	CGH_07-196	FeMgChlorite	0.563	Illitic Muscovite	0.437	44.608
CGH	07-196.240	CGH_07-196	Illitic Muscovite	0.727	Montmorillonite	0.273	38.993
CGH	07-196.241	CGH_07-196	Illitic Muscovite	0.772	Montmorillonite	0.228	66.474
CGH	07-196.242	CGH_07-196	Illitic Muscovite	0.504	FeMgChlorite	0.496	35.304
CGH	07-196.243	CGH_07-196	Illitic Muscovite	0.777	Magnesium Clays	0.223	64.671
CGH	07-196.244	CGH_07-196	Illitic Muscovite	0.564	FeMgChlorite	0.436	36.145
CGH	07-196.245	CGH_07-196	Illitic Muscovite	0.578	FeMgChlorite	0.422	41.618
CGH	07-196.246	CGH_07-196	Illitic Muscovite	0.608	FeMgChlorite	0.392	34.279
CGH	07-196.247	CGH_07-196	Illitic Muscovite	0.77	Montmorillonite	0.23	41.591
CGH	07-196.248	CGH_07-196	Illitic Paragonite	0.587	Montmorillonite	0.413	70.391
CGH	07-196.249	CGH_07-196	Illitic Paragonite	0.548	Montmorillonite	0.452	95.117
CGH	07-196.250	CGH_07-196	Illitic Muscovite	0.641	Montmorillonite	0.359	44.816
CGH	07-196.251	CGH_07-196	Illitic Muscovite	1	NULL	NULL	101.85
CGH	07-196.252	CGH_07-196	Illitic Muscovite	1	NULL	NULL	99.339

CGH	07-196.253	CGH_07-196	Illitic Muscovite	0.509	FeMgChlorite	0.491	32.565
CGH	07-196.254	CGH_07-196	Illitic Muscovite	0.52	FeMgChlorite	0.48	43.67
CGH	07-196.255	CGH_07-196	FeMgChlorite	0.702	Illitic Muscovite	0.298	40.909
CGH	07-196.256	CGH_07-196	Illitic Muscovite	0.675	FeMgChlorite	0.325	31.906
CGH	07-196.257	CGH_07-196	Illitic Muscovite	0.756	Magnesium Clays	0.244	64.139
CGH	07-196.258	CGH_07-196	Illitic Muscovite	0.508	FeMgChlorite	0.492	36.754
CGH	07-196.259	CGH_07-196	Illitic Muscovite	1	NULL	NULL	56.45
CGH	07-196.260	CGH_07-196	Illitic Muscovite	0.635	FeMgChlorite	0.365	76.336
CGH	07-196.261	CGH_07-196	Illitic Muscovite	0.69	Montmorillonite	0.31	106.72
CGH	07-196.262	CGH_07-196	FeMgChlorite	0.515	Illitic Muscovite	0.485	41.462
CGH	07-196.263	CGH_07-196	Illitic Muscovite	0.598	FeMgChlorite	0.402	56.127
CGH	07-196.264	CGH_07-196	Illitic Muscovite	0.535	FeMgChlorite	0.465	30.796
CGH	07-196.265	CGH_07-196	Illitic Muscovite	1	NULL	NULL	53.787
CGH	07-196.266	CGH_07-196	Illitic Muscovite	0.691	Montmorillonite	0.309	79.926
CGH	07-196.267	CGH_07-196	Illitic Muscovite	0.573	FeMgChlorite	0.427	43.377
CGH	07-196.268	CGH_07-196	Illitic Muscovite	0.702	Montmorillonite	0.298	67.536
CGH	07-212.025	CGH_07_212	Illitic Muscovite	0.503	Montmorillonite	0.497	151.76
CGH	07-212.025a	CGH_07_212	Montmorillonite	0.82	Epidote	0.18	159.12
CGH	07-212.026	CGH_07_212	Montmorillonite	0.801	Epidote	0.199	262.89
CGH	07-212.027	CGH_07_212	Montmorillonite	0.554	Illitic Muscovite	0.446	174.89
CGH	07-212.028	CGH_07_212	Montmorillonite	0.772	Epidote	0.228	145.41
CGH	07-212.029	CGH_07_212	Illitic Muscovite	0.594	Montmorillonite	0.406	109.18
CGH	07-212.030	CGH_07_212	Muscovite	1	NULL	NULL	318.76
CGH	07-212.031	CGH_07_212	Kaolinite WX	0.82	Illitic Muscovite	0.18	42.805
CGH	07-212.032	CGH_07_212	Calcite	1	NULL	NULL	347.26
CGH	07-212.033	CGH_07_212	FeMgChlorite	0.711	Montmorillonite	0.289	96.379
CGH	07-212.034	CGH_07_212	Montmorillonite	0.751	Epidote	0.249	167.02
CGH	07-212.035	CGH_07_212	Paragonite	0.597	Montmorillonite	0.403	147.55
CGH	07-212.036	CGH_07_212	Ankerite	0.778	Montmorillonite	0.222	35.883
CGH	07-212.037	CGH_07_212	Muscovite	0.595	Ankerite	0.405	129.23
CGH	07-212.038	CGH_07_212	MgChlorite	0.689	Muscovite	0.311	149.15
CGH	07-212.039	CGH_07_212	MgChlorite	0.617	Muscovite	0.383	83.347
CGH	07-212.040	CGH_07_212	Muscovite	0.519	Ankerite	0.481	236.29
CGH	07-212.041	CGH_07_212	FeMgChlorite	1	NULL	NULL	98.717
CGH	07-212.042	CGH_07_212	MgChlorite	1	NULL	NULL	255.19
CGH	07-212.043	CGH_07_212	Calcite	0.686	Montmorillonite	0.314	155.85
CGH	07-212.044	CGH_07_212	Illitic Muscovite	0.592	Calcite	0.408	137.27
CGH	07-212.045	CGH_07_212	Montmorillonite	0.524	Illitic Muscovite	0.476	123.98
CGH	07-212.046	CGH_07_212	FeMgChlorite	0.509	Kaolinite PX	0.491	162.19
CGH	07-212.047	CGH_07_212	MgChlorite	0.661	Illitic Muscovite	0.339	64.112
CGH	07-212.048	CGH_07_212	Kaolinite WX	0.744	Nacrite	0.256	63.327
CGH	07-212.049	CGH_07_212	Muscovite	0.792	Gypsum	0.208	223.18
CGH	07-212.050	CGH_07_212	Illitic Muscovite	0.521	Montmorillonite	0.479	64.65
CGH	07-212.051	CGH_07_212	Illitic Muscovite	0.605	Kaolinite WX	0.395	56.981
CGH	07-212.052	CGH_07_212	Illitic Muscovite	1	NULL	NULL	132.75
CGH	07-212.053	CGH_07_212	Kaolinite WX	0.735	Illitic Muscovite	0.265	49.976
CGH	07-212.054	CGH_07_212	Kaolinite WX	0.773	Illitic Muscovite	0.227	54.949
CGH	07-212.055	CGH_07_212	Siderite	0.636	Muscovite	0.364	40.969
CGH	07-212.056	CGH_07_212	Ankerite	0.547	Muscovite	0.453	102.97
CGH	07-212.057	CGH_07_212	Ankerite	0.721	Muscovite	0.279	80.911
CGH	07-212.058	CGH_07_212	Ankerite	1	NULL	NULL	103.12
CGH	07-212.059	CGH_07_212	Illitic Muscovite	0.748	Montmorillonite	0.252	45.735
CGH	07-212.060	CGH_07_212	Kaolinite WX	0.686	Illitic Muscovite	0.314	68.116
CGH	07-212.061	CGH_07_212	Kaolinite WX	0.549	Illitic Muscovite	0.451	106.71

CGH	07-212.062	CGH_07_212	Illitic Muscovite	0.662	Montmorillonite	0.338	122.94
CGH	07-212.063	CGH_07_212	Montmorillonite	0.593	Illitic Muscovite	0.407	75.674
CGH	07-212.064	CGH_07_212	Illitic Muscovite	1	NULL	NULL	227.44
CGH	07-212.065	CGH_07_212	Illitic Muscovite	0.557	Montmorillonite	0.443	189.9
CGH	07-212.066	CGH_07_212	Montmorillonite	0.738	Epidote	0.262	225.88
CGH	07-212.067	CGH_07_212	Montmorillonite	0.523	Illitic Muscovite	0.477	109.98
CGH	07-212.068	CGH_07_212	NULL	NULL	NULL	NULL	NULL
CGH	07-212.069	CGH_07_212	Siderite	1	NULL	NULL	275.97
CGH	07-212.070	CGH_07_212	Calcite	1	NULL	NULL	220.76
CGH	07-212.071	CGH_07_212	Talc	0.584	Dolomite	0.416	191.51
CGH	07-212.072	CGH_07_212	Kaolinite WX	0.526	Illitic Muscovite	0.474	115.33
CGH	07-212.073	CGH_07_212	Talc	0.658	Dolomite	0.342	353.57
CGH	07-212.074	CGH_07_212	Illitic Muscovite	0.699	Kaolinite PX	0.301	209.85
CGH	07-212.075	CGH_07_212	Kaolinite WX	0.647	Montmorillonite	0.353	63.329
CGH	07-212.076	CGH_07_212	Illitic Muscovite	0.592	Montmorillonite	0.408	143.86
CGH	07-212.077	CGH_07_212	Illitic Muscovite	0.749	Ankerite	0.251	117.7
CGH	07-212.078	CGH_07_212	Montmorillonite	0.583	Illitic Muscovite	0.417	80.508
CGH	07-212.079	CGH_07_212	Montmorillonite	0.666	Illitic Phengite	0.334	173.92
CGH	07-212.080	CGH_07_212	Illitic Muscovite	0.823	Epidote	0.177	158.07
CGH	07-212.081	CGH_07_212	Illitic Muscovite	0.703	Kaolinite WX	0.297	173.38
CGH	07-212.082	CGH_07_212	Montmorillonite	0.616	Illitic Muscovite	0.384	75.782
CGH	07-212.083	CGH_07_212	Montmorillonite	0.553	Illitic Muscovite	0.447	74.027
CGH	07-212.084	CGH_07_212	Montmorillonite	0.509	Siderite	0.491	57.61
CGH	07-212.085	CGH_07_212	Siderite	0.505	Montmorillonite	0.495	45.519
CGH	07-212.086	CGH_07_212	Illitic Muscovite	0.596	Kaolinite PX	0.404	248.65
CGH	07-212.087	CGH_07_212	Montmorillonite	0.599	Ankerite	0.401	67.752
CGH	07-212.088	CGH_07_212	Illitic Muscovite	0.655	Kaolinite WX	0.345	243.83
CGH	07-212.089	CGH_07_212	Montmorillonite	1	NULL	NULL	133.45
CGH	07-212.090	CGH_07_212	Kaolinite WX	0.654	Illitic Muscovite	0.346	126.42
CGH	07-212.091	CGH_07_212	Illitic Muscovite	0.526	Montmorillonite	0.474	111
CGH	07-212.092	CGH_07_212	Illitic Muscovite	1	NULL	NULL	61.235
CGH	07-212.093	CGH_07_212	Montmorillonite	0.553	Illitic Muscovite	0.447	184.73
CGH	07-212.094	CGH_07_212	Illitic Muscovite	1	NULL	NULL	150.08
CGH	07-212.095	CGH_07_212	Illitic Muscovite	1	NULL	NULL	67.884
CGH	07-212.096	CGH_07_212	Illitic Muscovite	0.51	MgChlorite	0.49	166.68
CGH	07-212.097	CGH_07_212	Illitic Muscovite	0.598	Kaolinite PX	0.402	232.12
CGH	07-212.098	CGH_07_212	Illitic Muscovite	0.695	Montmorillonite	0.305	72.279
CGH	07-212.099	CGH_07_212	Illitic Muscovite	1	NULL	NULL	139.15
CGH	07-212.100	CGH_07_212	Illitic Muscovite	0.502	Montmorillonite	0.498	93.331
CGH	07-212.101	CGH_07_212	Illitic Muscovite	0.571	Kaolinite WX	0.429	125.9
CGH	07-212.102	CGH_07_212	Montmorillonite	0.51	Kaolinite WX	0.49	80.575
CGH	07-212.103	CGH_07_212	Kaolinite WX	0.783	Illitic Muscovite	0.217	44.15
CGH	07-212.104	CGH_07_212	Kaolinite WX	0.768	Illitic Muscovite	0.232	46.715
CGH	07-212.105	CGH_07_212	Kaolinite WX	0.824	Nacrite	0.176	45.333
CGH	07-212.106	CGH_07_212	Illitic Muscovite	0.709	Montmorillonite	0.291	43.836
CGH	07-212.107	CGH_07_212	Illitic Muscovite	0.701	Dickite	0.299	103.46
CGH	07-212.108	CGH_07_212	Illitic Muscovite	0.52	FeMgChlorite	0.48	47.144
CGH	07-212.109	CGH_07_212	Illitic Muscovite	0.694	Kaolinite WX	0.306	137.56
CGH	07-212.110	CGH_07_212	FeChlorite	0.662	Illitic Muscovite	0.338	28.138
CGH	07-212.111	CGH_07_212	FeMgChlorite	0.544	Illitic Muscovite	0.456	39.959
CGH	07-212.112	CGH_07_212	Illitic Muscovite	0.527	FeChlorite	0.473	42.046
CGH	07-212.113	CGH_07_212	Illitic Muscovite	0.628	Montmorillonite	0.372	57.025
CGH	07-212.114	CGH_07_212	Illitic Muscovite	0.702	Montmorillonite	0.298	53.81
CGH	07-212.115	CGH_07_212	Illitic Muscovite	0.672	Montmorillonite	0.328	86.279

CGH	07-212.116	CGH_07_212	Muscovite	1	NULL	NULL	228.67
CGH	07-212.117	CGH_07_212	Ankerite	1	NULL	NULL	48.2
CGH	07-212.118	CGH_07_212	Illitic Muscovite	0.6	Kaolinite WX	0.4	77.963
CGH	07-212.119	CGH_07_212	Illitic Muscovite	0.667	Montmorillonite	0.333	71.965
CGH	07-212.120	CGH_07_212	Kaolinite WX	0.568	Illitic Muscovite	0.432	66.677
CGH	07-212.121	CGH_07_212	Kaolinite WX	1	NULL	NULL	104.49
CGH	07-212.122	CGH_07_212	Kaolinite WX	0.616	Illitic Muscovite	0.384	42.372
CGH	07-212.123	CGH_07_212	Illitic Muscovite	0.543	Kaolinite WX	0.457	46.105
CGH	07-212.124	CGH_07_212	Illitic Muscovite	0.559	Montmorillonite	0.441	119.45
CGH	07-212.125	CGH_07_212	Ankerite	0.689	Muscovite	0.311	81.507
CGH	07-212.126	CGH_07_212	Muscovite	0.56	FeChlorite	0.44	88.17
CGH	07-212.127	CGH_07_212	Illitic Muscovite	0.645	Kaolinite PX	0.355	183.41
CGH	07-212.128	CGH_07_212	Kaolinite WX	0.533	Illitic Muscovite	0.467	140.38
CGH	07-212.129	CGH_07_212	Kaolinite WX	0.733	Muscovite	0.267	112.1
CGH	07-212.130	CGH_07_212	Ankerite	0.813	Kaolinite PX	0.187	59.081
CGH	07-212.131	CGH_07_212	Illitic Muscovite	0.534	Montmorillonite	0.466	71.346
CGH	07-212.132	CGH_07_212	Illitic Muscovite	0.616	Kaolinite WX	0.384	65.942
CGH	07-212.133	CGH_07_212	Illitic Muscovite	0.599	Dickite	0.401	86.054
CGH	07-212.134	CGH_07_212	Illitic Muscovite	0.714	Kaolinite PX	0.286	81.829
CGH	07-212.135	CGH_07_212	Aspectral	1	NULL	NULL	1000
CGH	07-212.136	CGH_07_212	Illitic Muscovite	0.625	Kaolinite WX	0.375	92.67
CGH	07-212.137	CGH_07_212	Kaolinite WX	0.517	Illitic Muscovite	0.483	79.364
CGH	07-212.138	CGH_07_212	Illitic Muscovite	0.663	Montmorillonite	0.337	59.556
CGH	07-212.139	CGH_07_212	Ankerite	0.625	Kaolinite WX	0.375	41.095
CGH	07-212.140	CGH_07_212	Kaolinite WX	0.517	Illitic Muscovite	0.483	79.859
CGH	07-212.141	CGH_07_212	Illitic Muscovite	0.566	Dickite	0.434	116.01
CGH	07-212.142	CGH_07_212	Kaolinite WX	0.692	Illitic Muscovite	0.308	104.69
CGH	07-212.143	CGH_07_212	Illitic Muscovite	0.522	Dickite	0.478	138.38
CGH	07-212.144	CGH_07_212	Muscovite	0.55	Ankerite	0.45	38.075
CGH	07-212.145	CGH_07_212	Dickite	0.661	Illitic Muscovite	0.339	157.65
CGH	07-212.146	CGH_07_212	Muscovite	0.517	Ankerite	0.483	32.427
CGH	07-212.147	CGH_07_212	Illitic Muscovite	0.582	Kaolinite WX	0.418	93.003
CGH	07-212.148	CGH_07_212	Illitic Muscovite	1	NULL	NULL	71.787
CGH	07-212.149	CGH_07_212	Illitic Muscovite	1	NULL	NULL	71.476
CGH	07-212.150	CGH_07_212	Kaolinite WX	0.556	Illitic Muscovite	0.444	71.338
CGH	07-212.151	CGH_07_212	FeChlorite	0.698	Dickite	0.302	55.801
CGH	07-212.152	CGH_07_212	FeChlorite	0.64	Muscovite	0.36	105.18
CGH	07-212.153	CGH_07_212	Illitic Muscovite	1	NULL	NULL	143.1
CGH	07-212.154	CGH_07_212	Calcite	0.618	FeChlorite	0.382	35.186
CGH	07-212.155	CGH_07_212	Montmorillonite	0.528	Illitic Muscovite	0.472	49.696
CGH	07-212.156	CGH_07_212	Illitic Muscovite	0.688	Ankerite	0.312	99.97
CGH	07-212.157	CGH_07_212	Illitic Muscovite	0.692	Ankerite	0.308	102.9
CGH	07-212.158	CGH_07_212	Illitic Muscovite	0.555	Montmorillonite	0.445	66.79
CGH	07-212.159	CGH_07_212	FeChlorite	0.608	Illitic Muscovite	0.392	24.973
CGH	07-212.160	CGH_07_212	Montmorillonite	0.562	Illitic Muscovite	0.438	57.402
CGH	07-212.161	CGH_07_212	Illitic Muscovite	0.563	Montmorillonite	0.437	184.33
CGH	07-212.162	CGH_07_212	Illitic Muscovite	0.603	Kaolinite WX	0.397	106.14
CGH	07-212.163	CGH_07_212	Illitic Muscovite	0.694	Montmorillonite	0.306	80.016
CGH	07-212.164	CGH_07_212	Illitic Muscovite	0.567	Montmorillonite	0.433	213.85
CGH	07-212.165	CGH_07_212	Muscovite	0.695	Dolomite	0.305	200.15
CGH	07-212.166	CGH_07_212	Illitic Muscovite	0.589	Montmorillonite	0.411	30.375
CGH	07-212.167	CGH_07_212	Illitic Muscovite	0.578	Kaolinite WX	0.422	71.903
CGH	07-212.168	CGH_07_212	Illitic Muscovite	0.702	Montmorillonite	0.298	113.35
CGH	07-212.169	CGH_07_212	Dickite	0.511	Montmorillonite	0.489	120.14

CGH	07-212.170	CGH_07_212	Calcite	0.643	Muscovite	0.357	81.437
CGH	07-212.171	CGH_07_212	Illitic Muscovite	0.625	Montmorillonite	0.375	72.968
CGH	07-212.172	CGH_07_212	Illitic Muscovite	0.699	Montmorillonite	0.301	74.668
CGH	07-212.173	CGH_07_212	Illitic Paragonite	0.508	Montmorillonite	0.492	65.682
CGH	07-212.174	CGH_07_212	Illitic Phengite	0.573	Montmorillonite	0.427	67.975
CGH	07-212.175	CGH_07_212	Illitic Muscovite	0.561	Montmorillonite	0.439	128.62
CGH	07-212.176	CGH_07_212	Illitic Muscovite	0.548	Montmorillonite	0.452	119.92
CGH	07-212.177	CGH_07_212	Illitic Phengite	0.675	Montmorillonite	0.325	74.57
CGH	07-212.178	CGH_07_212	Montmorillonite	0.67	Epidote	0.33	204.03
CGH	07-212.179	CGH_07_212	Ankerite	0.579	Montmorillonite	0.421	99.121
CGH	07-212.180	CGH_07_212	Illitic Muscovite	0.711	Ankerite	0.289	129.87
CGH	07-212.181	CGH_07_212	Illitic Muscovite	0.507	Calcite	0.493	141.6
CGH	07-212.182	CGH_07_212	Ankerite	0.543	Montmorillonite	0.457	84.823
CGH	07-212.183	CGH_07_212	Illitic Muscovite	0.515	Montmorillonite	0.485	62.447
CGH	07-212.184	CGH_07_212	Illitic Muscovite	0.623	Montmorillonite	0.377	185.23
CGH	07-212.185	CGH_07_212	Illitic Muscovite	0.579	Siderite	0.421	105.85
CGH	07-212.186	CGH_07_212	Illitic Muscovite	0.791	Dolomite	0.209	192.1
CGH	07-212.187	CGH_07_212	FeMgChlorite	0.706	Illitic Muscovite	0.294	69.689
CGH	07-212.188	CGH_07_212	Illitic Muscovite	0.506	Kaolinite WX	0.494	169.77
CGH	07-212.189	CGH_07_212	Montmorillonite	0.546	Ankerite	0.454	81.878
CGH	07-212.190	CGH_07_212	Illitic Muscovite	0.744	Kaolinite PX	0.256	195.14
CGH	07-212.191	CGH_07_212	Illitic Muscovite	0.588	Kaolinite PX	0.412	338.2
CGH	07-212.192	CGH_07_212	Kaolinite WX	0.542	Illitic Muscovite	0.458	91.982
CGH	07-212.193	CGH_07_212	Montmorillonite	0.64	Ankerite	0.36	103.24
CGH	07-212.194	CGH_07_212	Ankerite	0.823	Montmorillonite	0.177	29.878
CGH	07-212.195	CGH_07_212	Illitic Phengite	0.66	Montmorillonite	0.34	140.38
CGH	07-212.196	CGH_07_212	Illitic Phengite	0.612	Montmorillonite	0.388	111.55
CGH	07-212.197	CGH_07_212	Illitic Phengite	0.543	Kaolinite WX	0.457	115.89
CGH	07-212.198	CGH_07_212	Illitic Muscovite	0.662	Montmorillonite	0.338	131.21
CGH	07-212.199	CGH_07_212	FeMgChlorite	1	NULL	NULL	85.072
CGH	07-212.200	CGH_07_212	Montmorillonite	0.61	Epidote	0.39	269.14
CGH	07-212.201	CGH_07_212	Illitic Muscovite	1	NULL	NULL	259.99
CGH	07-212.202	CGH_07_212	MgChlorite	0.639	Illitic Muscovite	0.361	144.55
CGH	07-212.203	CGH_07_212	Illitic Muscovite	1	NULL	NULL	347.8
CGH	07-212.204	CGH_07_212	FeMgChlorite	0.609	Illitic Phengite	0.391	46.698
CGH	07-212.205	CGH_07_212	FeMgChlorite	0.513	Illitic Phengite	0.487	53.593
CGH	07-212.206	CGH_07_212	Montmorillonite	0.771	Epidote	0.229	192.11
CGH	07-212.207	CGH_07_212	Montmorillonite	0.509	Illitic Paragonite	0.491	74.255
CGH	07-212.208	CGH_07_212	Illitic Muscovite	0.524	Montmorillonite	0.476	73.061
CGH	07-212.209	CGH_07_212	Montmorillonite	0.545	Kaolinite PX	0.455	151.72
CGH	07-212.210	CGH_07_212	Illitic Muscovite	0.64	Montmorillonite	0.36	85.182
CGH	07-212.211	CGH_07_212	Siderite	0.772	Muscovite	0.228	66.369
CGH	07-212.212	CGH_07_212	Illitic Muscovite	0.653	Kaolinite WX	0.347	79.932
CGH	07-212.213	CGH_07_212	Kaolinite WX	0.685	Montmorillonite	0.315	41.311
CGH	07-212.214	CGH_07_212	Kaolinite PX	0.595	Ankerite	0.405	177.83
CGH	07-212.215	CGH_07_212	Illitic Muscovite	0.657	Montmorillonite	0.343	47.998
CGH	07-212.216	CGH_07_212	Kaolinite WX	0.599	Montmorillonite	0.401	50.663
CGH	07-212.217	CGH_07_212	Illitic Muscovite	0.593	Kaolinite WX	0.407	84.036
CGH	07-212.218	CGH_07_212	Kaolinite PX	0.593	Ankerite	0.407	237.5
CGH	07-212.219	CGH_07_212	Ankerite	0.625	Kaolinite PX	0.375	115.25
CGH	07-212.220	CGH_07_212	Kaolinite WX	0.636	Montmorillonite	0.364	59.629
CGH	07-212.221	CGH_07_212	Kaolinite WX	0.541	Illitic Muscovite	0.459	110.71
CGH	07-212.222	CGH_07_212	Illitic Muscovite	0.536	Kaolinite PX	0.464	266.03
CGH	07-212.223	CGH_07_212	Montmorillonite	0.52	Illitic Muscovite	0.48	40.063

CGH	07-212.224	CGH_07_212	Illitic Muscovite	0.511	Kaolinite WX	0.489	193.34
CGH	07-212.225	CGH_07_212	Illitic Muscovite	0.646	Kaolinite WX	0.354	129.95
CGH	07-212.226	CGH_07_212	Illitic Muscovite	0.621	Kaolinite WX	0.379	103.95
CGH	07-212.227	CGH_07_212	Kaolinite WX	0.52	Illitic Muscovite	0.48	69.415
CGH	07-212.228	CGH_07_212	Montmorillonite	0.731	Illitic Paragonite	0.269	88.235
CGH	07-212.229	CGH_07_212	Illitic Muscovite	0.651	Kaolinite WX	0.349	89.183
CGH	07-212.230	CGH_07_212	Illitic Muscovite	0.59	Montmorillonite	0.41	94.282
CGH	07-212.231	CGH_07_212	Illitic Muscovite	0.542	Kaolinite WX	0.458	75.974
CGH	07-212.232	CGH_07_212	Illitic Muscovite	0.637	Dickite	0.363	126.08
CGH	07-212.233	CGH_07_212	Illitic Muscovite	0.619	Dickite	0.381	125.2
CGH	07-212.234	CGH_07_212	Illitic Muscovite	0.581	Kaolinite WX	0.419	120.45
CGH	07-212.235	CGH_07_212	Kaolinite WX	0.552	Illitic Muscovite	0.448	135.32
CGH	07-212.236	CGH_07_212	Kaolinite WX	0.553	Illitic Muscovite	0.447	123.27
CGH	07-212.237	CGH_07_212	Nacrite	0.751	Kaolinite WX	0.249	67.808
CGH	07-212.238	CGH_07_212	Kaolinite PX	0.514	Ankerite	0.486	122.77
CGH	07-212.239	CGH_07_212	Kaolinite WX	0.605	Illitic Muscovite	0.395	88.082
CGH	07-212.240	CGH_07_212	Kaolinite WX	0.537	Montmorillonite	0.463	76.006
CGH	07-212.241	CGH_07_212	Muscovite	1	NULL	NULL	106.91
CGH	07-212.242	CGH_07_212	Ankerite	0.677	Montmorillonite	0.323	48.621
CGH	07-212.243	CGH_07_212	Illitic Muscovite	0.58	Calcite	0.42	60.189
CGH	07-212.244	CGH_07_212	Kaolinite WX	0.634	Illitic Muscovite	0.366	55.552
CGH	07-212.245	CGH_07_212	Siderite	0.582	Muscovite	0.418	84.792
CGH	07-212.246	CGH_07_212	Kaolinite WX	0.573	Illitic Muscovite	0.427	77.417
CGH	07-212.247	CGH_07_212	Kaolinite WX	0.593	Illitic Muscovite	0.407	54.023
CGH	07-212.248	CGH_07_212	Kaolinite WX	0.59	Illitic Muscovite	0.41	55.583
CGH	07-212.249	CGH_07_212	Kaolinite WX	0.639	Montmorillonite	0.361	67.622
CGH	07-212.250	CGH_07_212	Kaolinite WX	0.649	Illitic Muscovite	0.351	61.532
CGH	07-212.251	CGH_07_212	Illitic Muscovite	0.677	Kaolinite WX	0.323	77.979
CGH	07-212.252	CGH_07_212	Illitic Muscovite	0.66	Kaolinite PX	0.34	157.96
CGH	07-212.253	CGH_07_212	Illitic Muscovite	0.664	Kaolinite WX	0.336	115.96
CGH	07-212.254	CGH_07_212	Illitic Muscovite	0.636	Kaolinite WX	0.364	115.5
CGH	07-212.255	CGH_07_212	Ankerite	0.618	Muscovite	0.382	86.872
CGH	07-212.256	CGH_07_212	Muscovite	1	NULL	NULL	245.03
CGH	07-214.007	CGH_07_214	Illitic Muscovite	1	NULL	NULL	297.14
CGH	07-214.007a	CGH_07_214	Muscovite	0.516	Dickite	0.484	280.12
CGH	07-214.008	CGH_07_214	Montmorillonite	0.523	Illitic Muscovite	0.477	104.8
CGH	07-214.009	CGH_07_214	Illitic Muscovite	0.576	Montmorillonite	0.424	182.53
CGH	07-214.010	CGH_07_214	Kaolinite WX	0.7	Montmorillonite	0.3	60.821
CGH	07-214.011	CGH_07_214	Montmorillonite	0.687	Calcite	0.313	96.791
CGH	07-214.012	CGH_07_214	Montmorillonite	0.528	Epidote	0.472	348.24
CGH	07-214.013	CGH_07_214	FeMgChlorite	0.609	Illitic Phengite	0.391	56.988
CGH	07-214.014	CGH_07_214	Montmorillonite	0.681	Epidote	0.319	273.42
CGH	07-214.015	CGH_07_214	FeMgChlorite	0.505	Illitic Muscovite	0.495	95.431
CGH	07-214.016	CGH_07_214	Illitic Muscovite	0.55	Montmorillonite	0.45	175.32
CGH	07-214.017	CGH_07_214	Illitic Phengite	0.831	Dolomite	0.169	113.88
CGH	07-214.018	CGH_07_214	MgChlorite	0.599	Illitic Muscovite	0.401	170.86
CGH	07-214.019	CGH_07_214	Illitic Muscovite	0.526	Kaolinite PX	0.474	319.2
CGH	07-214.020	CGH_07_214	Siderite	0.519	Montmorillonite	0.481	55.484
CGH	07-214.021	CGH_07_214	Siderite	0.534	Montmorillonite	0.466	108.68
CGH	07-214.022	CGH_07_214	Illitic Muscovite	0.65	Ankerite	0.35	123.19
CGH	07-214.023	CGH_07_214	Illitic Muscovite	0.818	Epidote	0.182	213.78
CGH	07-214.024	CGH_07_214	Montmorillonite	0.707	Epidote	0.293	146.92
CGH	07-214.025	CGH_07_214	Illitic Muscovite	0.566	FeMgChlorite	0.434	143.98
CGH	07-214.026	CGH_07_214	FeMgChlorite	0.727	Muscovite	0.273	15.659

CGH	07-214.027	CGH_07_214	Illitic Muscovite	0.67	Montmorillonite	0.33	83.397
CGH	07-214.028	CGH_07_214	Illitic Muscovite	0.638	Kaolinite PX	0.362	255.36
CGH	07-214.029	CGH_07_214	Illitic Muscovite	0.548	Montmorillonite	0.452	110.9
CGH	07-214.030	CGH_07_214	FeMgChlorite	0.842	Kaolinite PX	0.158	74.715
CGH	07-214.031	CGH_07_214	Ankerite	0.563	Muscovite	0.437	59.643
CGH	07-214.032	CGH_07_214	Illitic Muscovite	0.532	FeChlorite	0.468	50.9
CGH	07-214.033	CGH_07_214	Illitic Muscovite	0.708	Montmorillonite	0.292	68.557
CGH	07-214.034	CGH_07_214	Illitic Muscovite	0.524	FeChlorite	0.476	67.621
CGH	07-214.035	CGH_07_214	Montmorillonite	0.702	Epidote	0.298	166.6
CGH	07-214.036	CGH_07_214	Illitic Muscovite	0.715	Epidote	0.285	364.74
CGH	07-214.037	CGH_07_214	Montmorillonite	0.664	Kaolinite PX	0.336	154.03
CGH	07-214.038	CGH_07_214	Kaolinite WX	0.55	Illitic Muscovite	0.45	151.53
CGH	07-214.039	CGH_07_214	Kaolinite WX	0.59	Illitic Muscovite	0.41	90.922
CGH	07-214.040	CGH_07_214	Montmorillonite	0.599	Epidote	0.401	448.49
CGH	07-214.041	CGH_07_214	FeMgChlorite	0.515	Illitic Muscovite	0.485	180.04
CGH	07-214.042	CGH_07_214	Siderite	0.556	Muscovite	0.444	97.286
CGH	07-214.043	CGH_07_214	Montmorillonite	0.786	Epidote	0.214	172.33
CGH	07-214.044	CGH_07_214	Illitic Muscovite	0.567	Montmorillonite	0.433	154.56
CGH	07-214.045	CGH_07_214	Illitic Muscovite	0.545	Montmorillonite	0.455	129.09
CGH	07-214.046	CGH_07_214	Montmorillonite	0.84	Epidote	0.16	92.932
CGH	07-214.047	CGH_07_214	Montmorillonite	0.645	Kaolinite PX	0.355	186.81
CGH	07-214.048	CGH_07_214	Illitic Muscovite	0.56	Kaolinite PX	0.44	248.87
CGH	07-214.049	CGH_07_214	Montmorillonite	0.727	Epidote	0.273	257.52
CGH	07-214.050	CGH_07_214	Montmorillonite	0.804	Epidote	0.196	203.18
CGH	07-214.051	CGH_07_214	Montmorillonite	0.613	Epidote	0.387	201.57
CGH	07-214.052	CGH_07_214	Illitic Muscovite	0.812	Epidote	0.188	186.95
CGH	07-214.053	CGH_07_214	Illitic Muscovite	0.643	Kaolinite PX	0.357	273.85
CGH	07-214.054	CGH_07_214	Kaolinite WX	1	NULL	NULL	330.84
CGH	07-214.055	CGH_07_214	Montmorillonite	0.798	Epidote	0.202	166.92
CGH	07-214.056	CGH_07_214	NULL	NULL	NULL	NULL	NULL
CGH	07-214.057	CGH_07_214	FeMgChlorite	0.534	Kaolinite PX	0.466	236.02
CGH	07-214.058	CGH_07_214	Montmorillonite	0.583	Ankerite	0.417	158.99
CGH	07-214.059	CGH_07_214	Illitic Muscovite	0.556	Kaolinite WX	0.444	399.45
CGH	07-214.060	CGH_07_214	Montmorillonite	1	NULL	NULL	462.97
CGH	07-214.061	CGH_07_214	Illitic Muscovite	1	NULL	NULL	413.1
CGH	07-214.062	CGH_07_214	Illitic Muscovite	1	NULL	NULL	427.24
CGH	07-214.063	CGH_07_214	Montmorillonite	0.753	Epidote	0.247	152.3
CGH	07-214.064	CGH_07_214	NULL	NULL	NULL	NULL	NULL
CGH	07-214.065	CGH_07_214	Kaolinite WX	1	NULL	NULL	408.73
CGH	07-214.066	CGH_07_214	Kaolinite WX	0.599	Montmorillonite	0.401	106.61
CGH	07-214.067	CGH_07_214	Illitic Muscovite	0.514	Montmorillonite	0.486	103.59
CGH	07-214.068	CGH_07_214	Kaolinite WX	0.518	Illitic Muscovite	0.482	130.06
CGH	07-214.069	CGH_07_214	FeChlorite	0.585	Illitic Muscovite	0.415	70.806
CGH	07-214.070	CGH_07_214	FeMgChlorite	0.612	Illitic Muscovite	0.388	51.444
CGH	07-214.071	CGH_07_214	Wood	1	NULL	NULL	53.144
CGH	07-214.072	CGH_07_214	Illitic Muscovite	0.503	FeMgChlorite	0.497	136.09
CGH	07-214.073	CGH_07_214	Montmorillonite	0.678	Ankerite	0.322	131.78
CGH	07-214.074	CGH_07_214	Illitic Phengite	0.663	Montmorillonite	0.337	95.122
CGH	07-214.075	CGH_07_214	Illitic Phengite	0.594	Montmorillonite	0.406	166.82
CGH	07-214.076	CGH_07_214	NULL	NULL	NULL	NULL	NULL
CGH	07-214.077	CGH_07_214	Montmorillonite	1	NULL	NULL	169.83
CGH	07-214.078	CGH_07_214	Muscovite	1	NULL	NULL	93.554
CGH	07-214.079	CGH_07_214	Muscovite	1	NULL	NULL	108.65
CGH	07-214.080	CGH_07_214	Muscovite	1	NULL	NULL	190.43

CGH	07-214.081	CGH_07_214	Muscovite	1	NULL	NULL	188.26
CGH	07-214.082	CGH_07_214	Illitic Muscovite	1	NULL	NULL	222.96
CGH	07-214.083	CGH_07_214	Illitic Muscovite	0.578	Montmorillonite	0.422	155.53
CGH	07-214.084	CGH_07_214	Montmorillonite	0.543	Illitic Muscovite	0.457	222.87
CGH	07-214.085	CGH_07_214	Montmorillonite	0.769	Epidote	0.231	303.79
CGH	07-214.086	CGH_07_214	Illitic Muscovite	0.539	MgChlorite	0.461	124.57
CGH	07-214.087	CGH_07_214	FeMgChlorite	0.598	Montmorillonite	0.402	90.785
CGH	07-214.088	CGH_07_214	NULL	NULL	NULL	NULL	NULL
CGH	07-214.089	CGH_07_214	NULL	NULL	NULL	NULL	NULL
CGH	07-214.090	CGH_07_214	MgChlorite	1	NULL	NULL	228.05
CGH	07-214.091	CGH_07_214	NULL	NULL	NULL	NULL	NULL
CGH	07-214.092	CGH_07_214	FeMgChlorite	1	NULL	NULL	166.77
CGH	07-214.093	CGH_07_214	FeChlorite	0.677	Nacrite	0.323	109.5
CGH	07-214.094	CGH_07_214	Muscovite	0.634	Ankerite	0.366	213.17
CGH	07-214.095	CGH_07_214	Illitic Muscovite	0.531	Montmorillonite	0.469	216.34
CGH	07-214.096	CGH_07_214	MgChlorite	0.654	Muscovite	0.346	152.37
CGH	07-214.097	CGH_07_214	NULL	NULL	NULL	NULL	NULL
CGH	07-214.098	CGH_07_214	Muscovite	0.65	Epidote	0.35	513.69
CGH	07-214.099	CGH_07_214	Aspectral	1	NULL	NULL	1000
CGH	07-214.100	CGH_07_214	NULL	NULL	NULL	NULL	NULL
CGH	07-214.101	CGH_07_214	Illitic Paragonite	0.511	Montmorillonite	0.489	134.9
CGH	07-214.102	CGH_07_214	Ankerite	0.531	Montmorillonite	0.469	125.37
CGH	07-214.103	CGH_07_214	FeMgChlorite	0.578	Illitic Muscovite	0.422	74.175
CGH	07-214.104	CGH_07_214	Kaolinite PX	1	NULL	NULL	309.49
CGH	07-214.105	CGH_07_214	Illitic Muscovite	0.629	Kaolinite PX	0.371	356.4
CGH	07-214.106	CGH_07_214	FeMgChlorite	0.805	Muscovite	0.195	42.121
CGH	07-214.107	CGH_07_214	Illitic Muscovite	0.576	Kaolinite WX	0.424	137.26
CGH	07-214.108	CGH_07_214	Illitic Muscovite	0.521	Kaolinite WX	0.479	108.63
CGH	07-214.109	CGH_07_214	FeChlorite	0.618	Montmorillonite	0.382	54.642
CGH	07-214.110	CGH_07_214	Illitic Muscovite	0.561	Montmorillonite	0.439	192.28
CGH	07-214.111	CGH_07_214	Ankerite	0.788	Muscovite	0.212	77.856
CGH	07-214.112	CGH_07_214	Kaolinite WX	0.655	Montmorillonite	0.345	105.42
CGH	07-214.113	CGH_07_214	Montmorillonite	0.723	Epidote	0.277	184.36
CGH	07-214.114	CGH_07_214	Illitic Muscovite	0.501	FeChlorite	0.499	52.264
CGH	07-214.115	CGH_07_214	Illitic Muscovite	0.769	Dickite	0.231	211
CGH	07-214.116	CGH_07_214	Illitic Muscovite	0.521	FeMgChlorite	0.479	103.13
CGH	07-214.117	CGH_07_214	Illitic Muscovite	0.54	FeMgChlorite	0.46	72.362
CGH	07-214.118	CGH_07_214	Kaolinite WX	0.778	Illitic Muscovite	0.222	52.138
CGH	07-214.119	CGH_07_214	Kaolinite WX	0.668	Illitic Muscovite	0.332	101.98
CGH	07-214.120	CGH_07_214	Illitic Muscovite	0.581	Montmorillonite	0.419	184.59
CGH	07-214.121	CGH_07_214	Montmorillonite	0.55	Illitic Paragonite	0.45	66.364
CGH	07-214.122	CGH_07_214	Illitic Muscovite	0.536	Kaolinite PX	0.464	153.58
CGH	07-214.123	CGH_07_214	Ankerite	1	NULL	NULL	45.403
CGH	07-214.124	CGH_07_214	Kaolinite PX	0.54	Illitic Muscovite	0.46	275.84
CGH	07-214.125	CGH_07_214	Montmorillonite	0.587	Kaolinite WX	0.413	78.926
CGH	07-214.126	CGH_07_214	Ankerite	0.716	Muscovite	0.284	31.29
CGH	07-214.127	CGH_07_214	Ankerite	0.722	Muscovite	0.278	33.596
CGH	07-214.128	CGH_07_214	Muscovite	1	NULL	NULL	225.17
CGH	07-214.129	CGH_07_214	Illitic Muscovite	0.633	Kaolinite WX	0.367	119.36
CGH	07-214.130	CGH_07_214	Illitic Muscovite	0.504	Montmorillonite	0.496	54.229
CGH	07-214.131	CGH_07_214	Illitic Muscovite	0.612	Kaolinite PX	0.388	146.06
CGH	07-214.132	CGH_07_214	Montmorillonite	0.539	Illitic Muscovite	0.461	101.29
CGH	07-214.133	CGH_07_214	Montmorillonite	0.501	Illitic Muscovite	0.499	56.126
CGH	07-214.134	CGH_07_214	Illitic Muscovite	0.63	Kaolinite PX	0.37	329.27

CGH	07-214.135	CGH_07_214	Illitic Muscovite	0.603	Montmorillonite	0.397	98.625
CGH	07-214.136	CGH_07_214	Illitic Muscovite	0.502	Montmorillonite	0.498	44.126
CGH	07-214.137	CGH_07_214	Illitic Muscovite	0.715	Montmorillonite	0.285	98.549
CGH	07-214.138	CGH_07_214	Illitic Muscovite	0.648	FeMgChlorite	0.352	55.3
CGH	07-214.139	CGH_07_214	Illitic Muscovite	0.636	Montmorillonite	0.364	52.757
CGH	07-214.140	CGH_07_214	Illitic Muscovite	0.758	Montmorillonite	0.242	56.666
CGH	07-214.141	CGH_07_214	Illitic Muscovite	0.633	Montmorillonite	0.367	46.248
CGH	07-214.142	CGH_07_214	Montmorillonite	0.561	Illitic Paragonite	0.439	80.815
CGH	07-214.143	CGH_07_214	Montmorillonite	0.563	Illitic Paragonite	0.437	87.959
CGH	07-214.144	CGH_07_214	Illitic Muscovite	0.575	Kaolinite WX	0.425	102
CGH	07-214.145	CGH_07_214	Illitic Muscovite	1	NULL	NULL	88.184
CGH	07-214.146	CGH_07_214	Illitic Muscovite	0.656	Montmorillonite	0.344	109.66
CGH	07-214.147	CGH_07_214	Illitic Muscovite	0.657	Montmorillonite	0.343	51.425
CGH	07-214.148	CGH_07_214	Illitic Muscovite	0.727	Kaolinite PX	0.273	98.341
CGH	07-214.149	CGH_07_214	Illitic Muscovite	0.546	Montmorillonite	0.454	119.41
CGH	07-214.150	CGH_07_214	Illitic Muscovite	0.696	Montmorillonite	0.304	101.45
CGH	07-214.151	CGH_07_214	Illitic Muscovite	0.819	Dickite	0.181	85.256
CGH	07-214.152	CGH_07_214	Illitic Muscovite	0.527	Kaolinite WX	0.473	120.85
CGH	07-214.153	CGH_07_214	Illitic Muscovite	0.666	Montmorillonite	0.334	98.237
CGH	07-214.154	CGH_07_214	Illitic Muscovite	0.689	Montmorillonite	0.311	56.32
CGH	07-214.155	CGH_07_214	Montmorillonite	0.614	Illitic Paragonite	0.386	279.15
CGH	07-214.156	CGH_07_214	Ankerite	0.513	Muscovite	0.487	77.22
CGH	07-214.157	CGH_07_214	Illitic Muscovite	1	NULL	NULL	139.91
CGH	07-214.158	CGH_07_214	Illitic Muscovite	0.602	Montmorillonite	0.398	187.51
CGH	07-214.159	CGH_07_214	FeChlorite	0.675	Illitic Muscovite	0.325	44.882
CGH	07-214.160	CGH_07_214	NULL	NULL	NULL	NULL	NULL
CGH	07-214.161	CGH_07_214	FeMgChlorite	0.744	Illitic Muscovite	0.256	53.338
CGH	07-214.162	CGH_07_214	FeChlorite	0.636	Illitic Muscovite	0.364	51.52
CGH	07-214.163	CGH_07_214	Illitic Paragonite	0.513	Montmorillonite	0.487	73.592
CGH	07-214.164	CGH_07_214	Muscovite	1	NULL	NULL	120
CGH	07-214.165	CGH_07_214	Illitic Muscovite	0.662	FeMgChlorite	0.338	40.641
CGH	07-214.166	CGH_07_214	Illitic Muscovite	1	NULL	NULL	74.173
CGH	07-214.167	CGH_07_214	Illitic Muscovite	0.648	Montmorillonite	0.352	64.899
CGH	07-214.168	CGH_07_214	FeChlorite	0.508	Illitic Muscovite	0.492	58.243
CGH	07-214.169	CGH_07_214	Illitic Muscovite	0.556	FeChlorite	0.444	46.486
CGH	07-214.170	CGH_07_214	FeMgChlorite	0.558	Illitic Muscovite	0.442	53.476
CGH	07-214.171	CGH_07_214	Illitic Muscovite	0.611	FeChlorite	0.389	68.18
CGH	07-214.172	CGH_07_214	FeChlorite	0.507	Illitic Muscovite	0.493	58.981
CGH	07-214.173	CGH_07_214	Illitic Muscovite	0.696	Montmorillonite	0.304	57.516
CGH	07-214.174	CGH_07_214	Illitic Muscovite	0.638	Montmorillonite	0.362	55.909
CGH	07-214.175	CGH_07_214	Illitic Muscovite	1	NULL	NULL	174.34
CGH	07-214.176	CGH_07_214	FeMgChlorite	0.512	Illitic Muscovite	0.488	83.501
CGH	07-214.177	CGH_07_214	Illitic Muscovite	1	NULL	NULL	169.69
CGH	07-214.178	CGH_07_214	FeMgChlorite	0.582	Illitic Muscovite	0.418	55.734
CGH	07-214.179	CGH_07_214	Montmorillonite	0.55	Illitic Muscovite	0.45	65.539
CGH	07-214.180	CGH_07_214	Illitic Muscovite	0.664	Montmorillonite	0.336	67.661
CGH	07-214.181	CGH_07_214	Illitic Muscovite	0.572	Montmorillonite	0.428	32.119
CGH	07-214.182	CGH_07_214	Illitic Muscovite	0.714	Montmorillonite	0.286	101.95
CGH	07-214.183	CGH_07_214	FeChlorite	0.537	Illitic Muscovite	0.463	52.873
CGH	07-214.184	CGH_07_214	FeChlorite	0.637	Dickite	0.363	91.598
CGH	07-214.185	CGH_07_214	FeChlorite	0.672	Illitic Muscovite	0.328	66.854
CGH	07-214.186	CGH_07_214	Illitic Muscovite	0.689	Kaolinite PX	0.311	179.57
CGH	07-214.187	CGH_07_214	Illitic Muscovite	0.766	Montmorillonite	0.234	71.065
CGH	07-214.188	CGH_07_214	Illitic Muscovite	0.734	Kaolinite PX	0.266	108.4

CGH	07-214.189	CGH_07_214	Illitic Muscovite	0.632	Kaolinite WX	0.368	76.091
CGH	07-214.190	CGH_07_214	Dickite	0.594	Illitic Muscovite	0.406	92.718
CGH	07-214.191	CGH_07_214	Illitic Muscovite	0.671	Montmorillonite	0.329	50.429
CGH	07-214.192	CGH_07_214	Illitic Muscovite	0.753	Montmorillonite	0.247	58.655
CGH	07-214.193	CGH_07_214	Muscovite	0.744	Ankerite	0.256	104.5
CGH	07-214.194	CGH_07_214	Illitic Muscovite	0.745	Montmorillonite	0.255	43.149
CGH	07-214.195	CGH_07_214	Illitic Muscovite	0.587	Calcite	0.413	143.1
CGH	07-214.196	CGH_07_214	Illitic Muscovite	0.757	Montmorillonite	0.243	51.982
CGH	07-214.197	CGH_07_214	Illitic Muscovite	0.798	Montmorillonite	0.202	52.237
CGH	07-214.198	CGH_07_214	Illitic Muscovite	1	NULL	NULL	225.64
CGH	07-214.199	CGH_07_214	Illitic Muscovite	0.659	Montmorillonite	0.341	44.263
CGH	07-214.200	CGH_07_214	Illitic Muscovite	1	NULL	NULL	124.18
CGH	07-214.201	CGH_07_214	Illitic Muscovite	0.716	Montmorillonite	0.284	57.435
CGH	07-214.202	CGH_07_214	Illitic Muscovite	0.718	Montmorillonite	0.282	37.396
CGH	07-214.203	CGH_07_214	Illitic Muscovite	0.647	Montmorillonite	0.353	45.576
CGH	07-214.204	CGH_07_214	Illitic Muscovite	0.64	Montmorillonite	0.36	56.569
CGH	07-214.205	CGH_07_214	Illitic Muscovite	0.765	Montmorillonite	0.235	66.595
CGH	07-214.206	CGH_07_214	Illitic Muscovite	0.659	Montmorillonite	0.341	56.361
CGH	07-214.207	CGH_07_214	Montmorillonite	0.542	Illitic Muscovite	0.458	82.991
CGH	07-214.208	CGH_07_214	Illitic Muscovite	0.506	Montmorillonite	0.494	43.784
CGH	07-214.209	CGH_07_214	Illitic Muscovite	0.537	Montmorillonite	0.463	48.885
CGH	07-214.210	CGH_07_214	Illitic Muscovite	0.63	Montmorillonite	0.37	88.032
CGH	07-214.211	CGH_07_214	Illitic Muscovite	0.62	Montmorillonite	0.38	56.63
CGH	07-214.212	CGH_07_214	Illitic Muscovite	0.558	Montmorillonite	0.442	58.723
CGH	07-214.213	CGH_07_214	Illitic Muscovite	0.597	Montmorillonite	0.403	56.741
CGH	07-214.214	CGH_07_214	Illitic Muscovite	0.697	Ankerite	0.303	112.71
CGH	07-214.215	CGH_07_214	Illitic Muscovite	0.764	Montmorillonite	0.236	60.63
CGH	07-214.216	CGH_07_214	Illitic Muscovite	0.763	Montmorillonite	0.237	63.78
CGH	07-216.014	CGH_07-216	Illitic Muscovite	0.745	Ankerite	0.255	85.216
CGH	07-216.015	CGH_07-216	FeMgChlorite	0.692	Calcite	0.308	25.534
CGH	07-216.017	CGH_07-216	Illitic Muscovite	1	NULL	NULL	214.19
CGH	07-216.018	CGH_07-216	Montmorillonite	0.555	Illitic Muscovite	0.445	115.73
CGH	07-216.019	CGH_07-216	Illitic Muscovite	0.685	Montmorillonite	0.315	67.251
CGH	07-216.020	CGH_07-216	Kaolinite PX	1	NULL	NULL	131.95
CGH	07-216.021	CGH_07-216	Illitic Muscovite	0.586	Kaolinite PX	0.414	195.67
CGH	07-216.022	CGH_07-216	Illitic Muscovite	1	NULL	NULL	478.34
CGH	07-216.023	CGH_07-216	Illitic Muscovite	0.676	Montmorillonite	0.324	116.46
CGH	07-216.024	CGH_07-216	Calcite	1	NULL	NULL	56.88
CGH	07-216.025	CGH_07-216	FeMgChlorite	0.681	Illitic Muscovite	0.319	77.797
CGH	07-216.026	CGH_07-216	Illitic Muscovite	0.625	Montmorillonite	0.375	95.395
CGH	07-216.027	CGH_07-216	Illitic Muscovite	0.566	Montmorillonite	0.434	101.44
CGH	07-216.029	CGH_07-216	Muscovite	0.725	Ankerite	0.275	105.98
CGH	07-216.031	CGH_07-216	Montmorillonite	0.772	Epidote	0.228	269.97
CGH	07-216.032	CGH_07-216	NULL	NULL	NULL	NULL	NULL
CGH	07-216.033	CGH_07-216	FeMgChlorite	0.61	Illitic Phengite	0.39	52.189
CGH	07-216.034	CGH_07-216	Montmorillonite	0.615	Illitic Muscovite	0.385	83.873
CGH	07-216.035	CGH_07-216	FeMgChlorite	0.666	Illitic Phengite	0.334	37.388
CGH	07-216.036	CGH_07-216	Illitic Phengite	0.653	Montmorillonite	0.347	146.73
CGH	07-216.039	CGH_07-216	Kaolinite WX	0.556	Illitic Muscovite	0.444	146.84
CGH	07-216.041	CGH_07-216	Illitic Muscovite	0.536	FeMgChlorite	0.464	34.134
CGH	07-216.042	CGH_07-216	Illitic Muscovite	0.626	Ankerite	0.374	49.817
CGH	07-216.043	CGH_07-216	Montmorillonite	0.517	Illitic Muscovite	0.483	68.744
CGH	07-216.047	CGH_07-216	Illitic Muscovite	1	NULL	NULL	121.21
CGH	07-216.049	CGH_07-216	Illitic Muscovite	0.515	Montmorillonite	0.485	127.98

CGH	07-216.050	CGH_07-216	Montmorillonite	0.776	Epidote	0.224	129.2
CGH	07-216.051	CGH_07-216	Illitic Muscovite	0.584	Montmorillonite	0.416	180.1
CGH	07-216.052	CGH_07-216	Montmorillonite	0.523	Illitic Muscovite	0.477	50.752
CGH	07-216.053	CGH_07-216	Illitic Muscovite	0.535	Montmorillonite	0.465	122.18
CGH	07-216.056	CGH_07-216	FeMgChlorite	0.626	Muscovite	0.374	181.29
CGH	07-216.057	CGH_07-216	Illitic Muscovite	0.644	Montmorillonite	0.356	143.34
CGH	07-216.058	CGH_07-216	Montmorillonite	0.816	Epidote	0.184	120.13
CGH	07-216.059	CGH_07-216	Kaolinite WX	0.697	Montmorillonite	0.303	51.405
CGH	07-216.060	CGH_07-216	Kaolinite WX	0.556	Montmorillonite	0.444	78.244
CGH	07-216.061	CGH_07-216	Illitic Muscovite	0.554	Kaolinite PX	0.446	125.69
CGH	07-216.064	CGH_07-216	Illitic Muscovite	0.542	Montmorillonite	0.458	51.389
CGH	07-216.067	CGH_07-216	Montmorillonite	0.798	Epidote	0.202	127.45
CGH	07-216.068	CGH_07-216	Dickite	1	NULL	NULL	112.52
CGH	07-216.071	CGH_07-216	Illitic Muscovite	0.61	Dickite	0.39	205.42
CGH	07-216.072	CGH_07-216	FeChlorite	0.553	Illitic Muscovite	0.447	43.898
CGH	07-216.073	CGH_07-216	Montmorillonite	0.508	Illitic Muscovite	0.492	80.785
CGH	07-216.074	CGH_07-216	FeMgChlorite	0.846	Kaolinite PX	0.154	32.699
CGH	07-216.075	CGH_07-216	Montmorillonite	0.526	Illitic Muscovite	0.474	96.985
CGH	07-216.077	CGH_07-216	Montmorillonite	0.562	Illitic Muscovite	0.438	78.433
CGH	07-216.078	CGH_07-216	Illitic Muscovite	0.623	Kaolinite WX	0.377	160.01
CGH	07-216.079	CGH_07-216	Illitic Muscovite	0.683	Montmorillonite	0.317	64.113
CGH	07-216.080	CGH_07-216	Illitic Muscovite	0.638	Montmorillonite	0.362	44.385
CGH	07-216.081	CGH_07-216	Illitic Muscovite	0.514	Montmorillonite	0.486	43.834
CGH	07-216.083	CGH_07-216	Illitic Muscovite	0.564	Montmorillonite	0.436	90.997
CGH	07-216.084	CGH_07-216	Illitic Muscovite	0.554	Montmorillonite	0.446	70.7
CGH	07-216.085	CGH_07-216	Illitic Muscovite	0.777	Dolomite	0.223	105.67
CGH	07-216.086	CGH_07-216	Illitic Muscovite	0.72	Montmorillonite	0.28	100.73
CGH	07-216.089	CGH_07-216	Illitic Muscovite	1	NULL	NULL	152.19
CGH	07-216.090	CGH_07-216	Muscovite	1	NULL	NULL	111.81
CGH	07-216.091	CGH_07-216	Ankerite	1	NULL	NULL	52.294
CGH	07-216.093	CGH_07-216	Illitic Muscovite	0.544	Montmorillonite	0.456	122.92
CGH	07-216.094	CGH_07-216	Illitic Muscovite	0.591	Nacrite	0.409	107.36
CGH	07-216.096	CGH_07-216	Montmorillonite	0.505	Illitic Muscovite	0.495	153.71
CGH	07-216.097	CGH_07-216	Illitic Muscovite	0.644	FeMgChlorite	0.356	72.706
CGH	07-216.098	CGH_07-216	Dickite	0.515	Illitic Muscovite	0.485	107.99
CGH	07-216.099	CGH_07-216	Dickite	0.579	Illitic Muscovite	0.421	64.987
CGH	07-216.101	CGH_07-216	Illitic Muscovite	1	NULL	NULL	82.452
CGH	07-216.104	CGH_07-216	Illitic Muscovite	1	NULL	NULL	88.945
CGH	07-216.105	CGH_07-216	MgChlorite	0.741	Illitic Muscovite	0.259	79.149
CGH	07-216.106	CGH_07-216	FeChlorite	0.688	Montmorillonite	0.312	93.682
CGH	07-216.110	CGH_07-216	Illitic Muscovite	0.636	Montmorillonite	0.364	49.399
CGH	07-216.111	CGH_07-216	Kaolinite WX	0.673	Montmorillonite	0.327	44.476
CGH	07-216.112	CGH_07-216	Muscovite	0.773	Gypsum	0.227	272.76
CGH	07-216.114	CGH_07-216	Illitic Muscovite	0.584	Kaolinite WX	0.416	87.185
CGH	07-216.115	CGH_07-216	FeChlorite	0.546	Kaolinite WX	0.454	60.445
CGH	07-216.116	CGH_07-216	FeChlorite	0.557	Calcite	0.443	45.968
CGH	07-216.117	CGH_07-216	Illitic Muscovite	0.646	Kaolinite WX	0.354	68.893
CGH	07-216.119	CGH_07-216	Muscovite	0.559	Calcite	0.441	220.08
CGH	07-216.121	CGH_07-216	FeChlorite	0.718	Illitic Muscovite	0.282	26.22
CGH	07-216.124	CGH_07-216	Kaolinite WX	0.529	Illitic Muscovite	0.471	58.129
CGH	07-216.125	CGH_07-216	FeChlorite	0.537	Montmorillonite	0.463	63.891
CGH	07-216.126	CGH_07-216	Illitic Muscovite	0.816	Calcite	0.184	52.681
CGH	07-216.127	CGH_07-216	Illitic Muscovite	1	NULL	NULL	108.43
CGH	07-216.128	CGH_07-216	Illitic Muscovite	0.735	Dickite	0.265	100.81

CGH	07-216.129	CGH_07-216	Illitic Muscovite	0.593	Kaolinite WX	0.407	89.711
CGH	07-216.131	CGH_07-216	Illitic Phengite	0.588	FeChlorite	0.412	59.412
CGH	07-216.133	CGH_07-216	Ankerite	0.5	Dickite	0.5	120.83
CGH	07-216.135	CGH_07-216	Illitic Muscovite	0.661	Calcite	0.339	145.72
CGH	07-216.137	CGH_07-216	Illitic Phengite	0.57	Montmorillonite	0.43	114.09
CGH	07-216.139	CGH_07-216	Kaolinite PX	1	NULL	NULL	200.61
CGH	07-216.141	CGH_07-216	Illitic Muscovite	0.728	Calcite	0.272	187.81
CGH	07-216.142	CGH_07-216	FeMgChlorite	0.59	Illitic Phengite	0.41	29.967
CGH	07-216.144	CGH_07-216	Illitic Muscovite	1	NULL	NULL	261.09
CGH	07-216.145	CGH_07-216	Montmorillonite	0.625	Dickite	0.375	263.66
CGH	07-216.146	CGH_07-216	Illitic Muscovite	0.641	Montmorillonite	0.359	81.617
CGH	07-216.147	CGH_07-216	Dickite	0.656	Illitic Muscovite	0.344	108.03
CGH	07-216.150	CGH_07-216	Illitic Muscovite	0.645	Kaolinite PX	0.355	120.53
CGH	07-216.152	CGH_07-216	Montmorillonite	0.793	Epidote	0.207	126.22
CGH	07-216.153	CGH_07-216	Montmorillonite	0.512	Illitic Muscovite	0.488	86.801
CGH	07-216.154	CGH_07-216	Ankerite	0.692	Nacrite	0.308	50.901
CGH	07-216.157	CGH_07-216	Illitic Muscovite	1	NULL	NULL	190.75
CGH	07-216.159	CGH_07-216	FeMgChlorite	0.775	Illitic Muscovite	0.225	58.076
CGH	07-216.161	CGH_07-216	FeMgChlorite	0.638	Illitic Muscovite	0.362	29.639
CGH	07-216.162	CGH_07-216	FeMgChlorite	0.55	Illitic Phengite	0.45	64.819
CGH	07-216.163	CGH_07-216	Illitic Phengite	0.515	FeMgChlorite	0.485	30.336
CGH	07-216.164	CGH_07-216	FeMgChlorite	0.662	Illitic Muscovite	0.338	42.747
CGH	07-216.165	CGH_07-216	Kaolinite WX	1	NULL	NULL	36.887
CGH	07-216.166	CGH_07-216	FeMgChlorite	0.672	Kaolinite PX	0.328	85.386
CGH	07-216.167	CGH_07-216	Kaolinite WX	0.543	Montmorillonite	0.457	73.242
CGH	07-216.170	CGH_07-216	Illitic Muscovite	0.591	Montmorillonite	0.409	75.654
CGH	07-216.171	CGH_07-216	FeChlorite	0.592	Illitic Muscovite	0.408	50.907
CGH	07-216.172	CGH_07-216	NULL	NULL	NULL	NULL	NULL
CGH	07-216.173	CGH_07-216	Dickite	0.658	Illitic Muscovite	0.342	77.014
CGH	07-216.174	CGH_07-216	FeChlorite	0.659	Dickite	0.341	68.62
CGH	07-216.176	CGH_07-216	Kaolinite WX	0.844	Illitic Paragonite	0.156	66.323
CGH	07-216.177	CGH_07-216	Montmorillonite	0.56	Illitic Paragonite	0.44	58.771
CGH	07-216.179	CGH_07-216	Illitic Muscovite	0.726	Dolomite	0.274	163.03
CGH	07-216.180	CGH_07-216	Illitic Muscovite	0.664	Ankerite	0.336	113.38
CGH	07-216.181	CGH_07-216	FeMgChlorite	0.718	Montmorillonite	0.282	63.148
CGH	07-216.184	CGH_07-216	FeMgChlorite	0.543	Muscovite	0.457	161.37
CGH	07-216.186	CGH_07-216	Illitic Muscovite	0.58	Kaolinite WX	0.42	88.673
CGH	07-216.191	CGH_07-216	Illitic Muscovite	0.516	Kaolinite WX	0.484	79.149

Sample	EAST	NORTH	Sericite	Chlorite	Dickite	Epidote	Kaolinite	Carbonate	Smectite	Mineral_Groups_1	Mineral_Groups_2	Min1 sTSAS	Min2 sTSAS	Wt1 sTSAS	Wt2 sTSAS	hqd1900	sericite_ w2200	sericite_ width2200	w2200	hqd2200	Sericite_ w2350	sericite crystalinity	width2200	w2250	hqd_2250	w2350	hqd2350	Mean_2180/2164	Area_1900	Fe2+_Slope	Proportion_Smectite
EE1009.00	426525	6391988				Epidote			Smectite	Smectite-Epidote		Montmorillonite	Epidote	0.553	0.447	0.0406			2214.3	0.0315			32.55	2253.35	0.0311	2340.92	0.0546	0.995	2.004	0.266	0.0952
EE1009.00	426525	6391988		Chlorite						Chlorite		MgChlorite	NULL	1		0.1			2228.12	0.0326			35.639	2251.59	0.0735	2327.84	0.123	0.995	5.431	0.192	0.223
EE1009.00	426385	6391921		Chlorite				Carbonate		Kaolinite-Chlorite		FeChlorite	Ankerite	0.726	0.274	0.138								2256.22	0.165	2340.3	0.217	0.997	6.386	0.188	0.355
EE1009.00	426331	6391889		Chlorite						Chlorite		FeMgChlorite	NULL	1		0.191								2257.06	0.175	2344.93	0.235	1	5.268	0.161	0.426
EE1009.00	426331	6391889		Chlorite						Chlorite		FeMgChlorite	NULL	1		0.0722								2255.12	0.0674	2335.04	0.113	0.993	3.762	0.14	0.185
EE1009.00	426275	6391800	Sericite			Epidote				Sericite-Epidote	Sericite	Muscovite	Epidote	0.513	0.487	0.184	2212.28	39.95	2212.28	0.107	0.234	0.291	39.95	2254.7	0.149	2339.03	0.234	0.967	10.981	0.46	0.418
EE1009.00	426241	6391777	Sericite					Carbonate		Sericite-Carbonate	Illite	Ankerite	Illitic Muscovite	0.652	0.348	0.262	2206.11	33.274	2206.11	0.168	0.281	0.43	33.274			2335.96	0.281	0.945	15.649	0.384	0.543
EE1009.00	426201	6391718	Sericite							Sericite	Illite	Illitic Muscovite	NULL	1		0.098	2208.59	32.798	2208.59	0.0902	0.0886	0.188	32.798	2246.29	0.0604	2340.16	0.0886	0.971	4.66	0.135	0.188
EE1009.00	426108	6391519	Sericite			Epidote				Sericite-Epidote	Sericite	Muscovite	Epidote	0.833	0.167	0.0744	2199.97	31.543	2199.97	0.101	0.0751	0.175	31.543	2242.15	0.0278	2343.15	0.0751	0.962	3.722	0.239	0.175
EE1009.01	426070	6391524	Sericite						Smectite	Sericite-Smectite	Illite-Smectite	Illitic Muscovite	Montmorillonite	0.673	0.327	0.255	2203.18	31.855	2203.18	0.191	0.111	0.445	31.855			2342.32	0.111	0.927	13.775	0.2	0.445
EE1009.01	425979	6391236	Sericite						Smectite	Sericite-Smectite		Montmorillonite	Illitic Paragonite	0.667	0.333	0.309	2205.48	33.666	2205.48	0.175	0.0866	0.484	33.666			2346.65	0.0866	0.924	16.926	0.377	0.484
EE1009.01	425963	6391096	Sericite	Chlorite						Sericite-Chlorite		FeMgChlorite	Illitic Muscovite	0.67	0.33	0.288	2204	30.277	2204	0.184	0.173	0.472	30.277	2254.65	0.142	2348.32	0.173	0.933	16.438	0.196	0.472
EE1009.01	425953	6390970	Sericite	Chlorite						Sericite-Chlorite		FeMgChlorite	Illitic Muscovite	0.635	0.365	0.159	2205.4	34.319	2205.4	0.107	0.119	0.266	34.319	2251.55	0.0889	2343.62	0.119	0.963	8.601	0.236	0.279
EE1009.01	425953	6390970		Chlorite						Chlorite		FeMgChlorite	NULL	1		0.0698								2252.99	0.0652	2335.11	0.119	0.997	3.616	0.191	0.188
EE1009.01	425904	6390892						Carbonate	Smectite	Carbonate-Smectite		Siderite	Montmorillonite	0.801	0.199	0.14			2208.8	0.0647			28			2328.86	0.125	0.985	8.218	0.444	0.265
EE1009.01	425838	6390833				Epidote	Kaolinite			Kaolinite-Epidote	Kaolinite	Kaolinite PX	Epidote	0.749	0.251	0.103			2208.75	0.0762			26.859			2329.9	0.0303	0.989	5.925	0.45	0.179
EE1009.01	425743	6390796		Chlorite					Smectite	Chlorite-Smectite		FeMgChlorite	Palygorskite	0.787	0.213	0.325								2255.06	0.104	2328.32	0.151	1	18.714	0.38	0.477
EE1009.01	425743	6390796		Chlorite		Epidote				Chlorite-Epidote		FeMgChlorite	Epidote	0.849	0.151	0.138								2252.89	0.199	2332.34	0.253	0.999	7.167	0.165	0.39
EE1009.02	425635	6390580					Kaolinite		Carbonate	Kaolinite-Carbonate		Siderite	Kaolinite WX	0.512	0.488				2208.65	0.124			25.696		0.00537	2332.34	0.0772	1.002		0.611	
EE1009.02	425670	6390350	Sericite	Chlorite						Sericite-Chlorite		FeMgChlorite	Muscovite	0.835	0.165	0.0894	2205.77	34.316	2205.77	0.0341	0.133	0.123	34.316	2254.5	0.0695	2338.55	0.133	0.992	4.81	0.269	0.222
EE1009.02	425670	6390350		Chlorite					Smectite	Chlorite-Smectite		FeMgChlorite	Palygorskite	0.697	0.303	0.236			2202.37	0.0329			32.714	2256.36	0.0971	2336.01	0.119	0.996	12.739	0.147	0.355
EE1009.02	425701	6390276		Chlorite						Chlorite		FeMgChlorite	Hornblende	0.721	0.279	0.245			2200.49	0.0234			26.317	2255.97	0.0531	2329.05	0.129	0.997	13.234	0.288	0.374
EE1009.02	425276	6389703	Sericite	Chlorite						Sericite-Chlorite		FeMgChlorite	Muscovite	0.745	0.255	0.303	2200.9	28.806	2200.9	0.115	0.198	0.418	28.806	2256.21	0.113	2339.1	0.198	0.963	17.508	0.323	0.501
EE1009.02	426257	6392494	Sericite					Carbonate		Sericite-Carbonate	Sericite	Muscovite	Siderite	0.616	0.384	0.128	2198.38	31.837	2198.38	0.114	0.0735	0.242	31.837	2241.58	0.0216	2335.39	0.0735	0.956	6.85	0.322	
EE1009.02	426320	6392653		Chlorite					Smectite	Chlorite-Smectite		FeMgChlorite	Montmorillonite	0.728	0.272	0.138			2227.91	0.0255			32.985	2250.66	0.0481	2328.12	0.0834	0.992	7.446	0.238	0.222
EE1009.02	426320	6392653	Sericite	Chlorite						Sericite-Chlorite		FeMgChlorite	Muscovite	0.723	0.277	0.16	2201.81	29.984	2201.81	0.0678		0.228	29.984	2254.42	0.0688			0.979	8.07	0.186	
EE1009.03	426463	6392764						Carbonate	Smectite	Carbonate-Smectite		Siderite	Montmorillonite	0.708	0.292	0.174			2198.97	0.0347			29.716	2254.34	0.0334	2331.23	0.0696	0.987	9.461	0.576	0.243
EE1009.03	426948	6392711	Sericite			Epidote				Sericite-Epidote	Sericite	Muscovite	Epidote	0.693	0.307	0.168	2199.92	30.852	2199.92	0.1	0.122	0.268	30.852	2252.4	0.0376	2337.44	0.122	0.962	9.224	0.336	0.29
EE1009.03	426948	6392711		Chlorite						Chlorite		FeMgChlorite	Hornblende	0.779	0.221	0.217								2253.64	0.259	2331.16	0.298	0.999	12.142	0.206	0.516
EE1009.03	427122	6392738				Epidote				Epidote		Epidote	NULL	1		0.138								2255.5	0.425	2341.88	0.667	0.972	7.358	0.34	
EE1009.03	427122	6392738		Chlorite		Epidote				Chlorite-Epidote		FeMgChlorite	Epidote	0.7	0.3	0.147								2257.06	0.272	2341.11	0.44	0.969	8.354	0.516	0.587
EE1009.03	427615	6392908		Chlorite						Chlorite		FeMgChlorite	NULL	1		0.0915								2254.04	0.0963	2332.8	0.122	0.993	5.057	0.216	0.214
EE1009.03	427894	6393092	Sericite	Chlorite						Sericite-Chlorite		FeMgChlorite	Muscovite	0.749	0.251	0.182	2207.67	35.557	2207.67	0.0906	0.161	0.273	35.557	2252.21	0.112	2340.83	0.161	0.975	10.427	0.403	0.344
EE1009.03	427916	6392840		Chlorite						Chlorite		FeMgChlorite	NULL	1		0.0968								2257.22	0.131	2344.07	0.157	0.999	5.235	0.217	0.254
EE1009.03	428109	6392445				Epidote				Epidote		Wood	Epidote	0.509	0.491	0.14			2195.42	0.0205			25.696	2257.5	0.0632	2342.71	0.111	0.995	7.268	0.239	0.251
EE1009.03	428142	6392428	Sericite	Chlorite						Sericite-Chlorite		FeMgChlorite	Muscovite	0.698	0.302	0.0757	2201.68	27.875	2201.68	0.0703	0.105	0.146	27.875	2252.28	0.0594	2341.67	0.105	0.977	4.157	0.179	0.181
EE1009.04	428142	6392428	Sericite	Chlorite						Sericite-Chlorite		FeChlorite	Muscovite	0.531	0.469	0.0707	2214.47	34.078	2214.47	0.0695	0.0644	0.14	34.078	2251.14	0.0603	2345.01	0.0644	0.983	3.593	0.21	0.14
EE1009.04	428186	6392419		Chlorite						Chlorite		MgChlorite	NULL	1		0.167								2249.92	0.188	2327.52	0.249	0.999	8.268	0.262	0.416
EE1009.04	428312	6392371	Sericite	Chlorite						Sericite-Chlorite		FeMgChlorite	Muscovite	0.725	0.275	0.139					0.128			2253.33	0.117	2337.08	0.128	0.986	7.822	0.554	0.267
EE1009.04	428456	6392246	Sericite	Chlorite						Sericite-Chlorite		MgChlorite	Paragonite	0.634	0.366	0.167	2201.78	30.101	2201.78	0.0748	0.121	0.242	30.101	2249.59	0.0378	2330.16	0.121	0.972	8.882	0.173	0.289
EE1009.04	428456	6392246	Sericite	Chlorite						Sericite-Chlorite	Sericite	Muscovite	MgChlorite	0.533	0.467	0.141	2204.7	32.522	2204.7	0.108	0.106	0.25	32.522	2248.58	0.0452	2325.82	0.106	0.966	7.653	0.285	0.25
EE1009.04	428511	6392214	Sericite	Chlorite						Sericite-Chlorite		FeMgChlorite	Muscovite	0.64	0.36	0.139	2201.07	29.63	2201.07	0.0977	0.144	0.236	29.63	2252.46	0.0915	2338.24	0.144	0.963	7.2	0.203	0.283
EE1009.04	428094	6392018	Sericite	Chlorite						Sericite-Chlorite		FeMgChlorite	Illitic Muscovite	0.706	0.294	0.199	2204.04	32.568	2204.04	0.109	0.154	0.308	32.568	2253.49	0.105	2338.48	0.154	0.964	10.98	0.19	0.354
EE1009.04	428094	6391947	Sericite	Chlorite						Sericite-Chlorite	Sericite	Muscovite	FeMgChlorite	0.552	0.448	0.179	2206.98	31.303	2206.98	0.11	0.0682	0.29	31.303	2242.93	0.0514	2348.34	0.0682	0.964	10.077	0.372	0.29
EE1009.04	428094	6391947		Chlorite						Chlorite		FeChlorite	NULL	1		0.05								2259.61	0.14	2350.44	0.142	0.995		0.256	
EE1009.05	428070	6391847		Chlorite				Carbonate		Kaolinite-Chlorite		FeChlorite	Ankerite	0.744	0.256	0.112			2214.47	0.0367			35.8	2256.14	0.0773	2344.98	0.0785	0.991	5.97	0.255	0.19
EE1009.05	428070	6391847	Sericite							Sericite	Illite	Illitic Muscovite	NULL	1		0.162	2206.04	32.222	2206.04	0.222	0.131	0.384	32.222			2345.95	0.131	0.923	8.359	0.204	0.384
EE1009.05	428429	6391652		Chlorite		Epidote				Chlorite-Epidote		FeMgChlorite	Epidote	0.801	0.199	0.105								2254.94	0.107	2337.86	0.202	0.999	4.423	0.205	0.307
EE1009.05	428420	6391400	Sericite	Chlorite						Sericite-Chlorite		FeMgChlorite	Phengite	0.798	0.202	0.156					0.178			2253.33	0.133	2340.04	0.178	0.994	4.707	0.143	0.334
EE1009.05	428735	6391288		Chlorite						Chlorite		FeMgChlorite	Phlogopite	0.8	0.2	0.0971								2253.07	0.0596	2336.41	0.118	0.997	1.366	0.103	0.215
EE1009.05	428735	6391288	Sericite							Sericite	Illite	Illitic Muscovite	NULL	1		0.208	2210.44	34.943	2210.44	0.25	0.147	0.459	34.943			2344.73	0.147	0.927	11.126	0.402	0.459
EE1009.05	428809	6390884		Chlorite						Chlorite		MgChlorite	NULL	1		0.0494								2252.84	0.0576	2330.38	0.0978	0.995	2.639	0.218	0.147
EE1009.05	428809	6390884	Sericite							Sericite	Sericite	Muscovite	DryVegetation	0.568	0.432	0.182	2199.78	31.99	2199.78	0.0803	0.0678	0.262	31.99	2256.54	0.0149	2346.08	0.0678	0.972	9.856	0.442	0.262
EE1009.05	427530	6390999				Epidote			Smectite	Smectite-Epidote		Montmorillonite	Epidote	0.675	0.325	0.0817			2204.24	0.0545			33.435	2251.09	0.0353	2341.64	0.0627	0.981	3.926	0.27	0.144
EE1009.05	426992	6391243	Sericite	Chlorite						Sericite-Chlorite	Illite-Chlorite	Illitic Muscovite	FeMgChlorite	0.62	0.38	0.198	2203.69	31.913	2203.69	0.208	0.131	0.406	31.913	2242.16	0.0985	2345.94	0.131	0.921	10.684	0.233	0.406
EE1009.06	426992	6391243								Biotite		Phlogopite	NULL	1		0.0196			2200.76	0.0191			28.189	2250.14	0.019	2338.33	0.0716	0.994	0.38	0.122	0.0912
EE1009.06	426821	6391220	Sericite	Chlorite						Sericite-Chlorite		FeMgChlorite	Illitic Muscovite	0.574	0.426	0.146	2203.9	33.263	2203.9	0.117	0.112	0.263	33.263	2251.26	0.0816	2339.44	0.112	0.96	7.901	0.206	0.263
EE1009.06	426405	6391930	Sericite	Chlorite						Sericite-Chlorite		FeMgChlorite	Muscovite	0.621	0.379	0.0669	2202.16	26.636	2202.16	0.039	0.0719	0.106	26.636	2254	0.0325	2336.36	0.0719	0.986	3.113	0.128	0.139
EE1009.06	426524	6391985	Sericite	Chlorite						Sericite-Chlorite		FeMgChlorite	Muscovite	0.658	0.342	0.091	2203.66	32.487	2203.66	0.0757	0.109	0.167	32.487	2251.51	0.0566	2337.65	0.109	0.976	4.616	0.183	0.2
EE1009.06	426510	6391973	Sericite	Chlorite						Sericite-Chlorite		FeMgChlorite	Muscovite	0.561	0.439	0.0681	2201.43	29.561	2201.43	0.0633	0.0675	0.131	29.561	2246.85	0.0363	2334.2	0.0675	0.976	3.634	0.172	0.136
EE1009.06	426510	6391973	Sericite							Sericite	Sericite	Muscovite	NULL	1		0.161	2200.38	30.974	2200.38	0.133	0.0671	0.293	30.974	2243.78	0.0383	2344.42	0.0671	0.951	8.635	0.22	
EE1009.06	426455	6391973	Sericite	Chlorite						Sericite-Chlorite		FeMgChlorite	Illitic Muscovite	0.57	0.43	0.175	2206.17	29.047	2206.17	0.105	0.105	0.28	29.047	2246.92	0.0529	2342.11	0.105	0.965	9.315	0.253	0.28
EE1009.06	426451	6391953	Sericite							Sericite	Sericite	Muscovite	NULL	1		0.0952	2201.51	32.646	2201.51	0.0765	0.0264	0.172	32.646			2340.59	0.0264	0.97	5.458	0.521	0.172
EE1009.06	426450	6391954	Sericite	Chlorite						Sericite-Chlorite	Illite-Chlorite	Illitic Muscovite	FeMgChlorite	0.602	0.398	0.317	2201.86	33.124	2201.86	0.238	0.128	0.554	33.124	2249.95	0.0803	2346.19	0.128	0.901	17.615	0.472	0.554
EE1009.06	426435	6391944	Sericite	Chlorite						Sericite-Chlorite		FeMgChlorite	Muscovite	0.816	0.184	0.113	2203.27	32.792	2203.27	0.0582	0.144	0.171	32.792	2254.45	0.105	2342.94	0.144	0.98	6.317	0.128	0.257
EE1009.07	426435	6391944		Chlorite		Epidote				Chlorite-Epidote		FeMgChlorite	Epidote	0.82	0.18	0.0701								2254.5	0.117	2337.53	0.191	0.998	3.891	0.21	0.261
EE1009.07	426412	6391936		Chlorite						Chlorite		FeMgChlorite	NULL	1		0.246								2252.8	0.146	2329.64	0.166	0.99	13.842	0.27	0.411
EE1009.07	426412	6391935	Sericite	Chlorite						Sericite-Chlorite		FeMgChlorite	Muscovite	0.603	0.397	0.106	2199.01	27.069	2199.01	0.0885	0.111	0.194	27.069	2253.59	0.0559	2343.39	0.111	0.97	5.702	0.211	0.216
EE1009.07	426412	6391935							Carbonate	Carbonate		Siderite	DryVegetation	0.554	0.446	0.221			2198.96	0.0167			28.223			2324.35	0.0832	0.994	11.902	0.523	0.304
EE1009.07	426380	6391929	Sericite			Epidote				Sericite-Epidote	Sericite	Muscovite	Epidote	0.699	0.301	0.141	2203.07	31.879	2203.07	0.0944	0.113	0.236	31.879	2251.25	0.0634	2343.84	0.113	0.968	7.883	0.361	0.254
EE1009.07	426375	6391919		Chlorite		Epidote				Chlorite-Epidote		FeMgChlorite	Epidote	0.798	0.202	0.199								2253.65	0.2	2339.05	0.324	0.994	11.384	0.342	0.523
EE1009.07	426334	6391887	Sericite	Chlorite						Sericite-Chlorite		FeMgChlorite	Muscovite	0.633	0.367	0.113	2210.13	35.012	2210.13	0.125	0.142	0.238	35.012	2252.54	0.102	2342.15	0.142	0.964	5.816	0.209	0.255

Field Chip Samples taken for Spectral Analysis during 2010 Field Season