

**2011 Assessment Report for
Prospecting, Trenching, Geochemistry,
Geology, and Diamond Drilling**

May 2011 - March 2012

On the

Jasper Property

Victoria Mining Division

**BCGS 092C088
NTS 092C/15E**

UTM Zone 10N 5410500N 383750E

For

Nitinat Minerals Corporation

70 York Street, Suite 1710, Toronto, Ontario M5J1S9

Report written by

Jacques Houle, P.Eng.

Mineral Exploration Consulting

6552 Peregrine Road, Nanaimo, B.C. V9V 1P8

April 3, 2012

**BC Geological Survey
Assessment Report
32906**



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Introduction

Property location, access and physiography

The Jasper Property claims are located in the Victoria Mining Division, west-central Vancouver Island, BC, Canada. The Property is approximately 80 kilometres northwest of Victoria and is centered at latitude 48° 50' and longitude 124° 35' in NTS 092C 15E or BCGS 092C 088. The southern portion of the claims overlies much of the Caycuse River and its tributaries Four Mile Creek and Seven Mile Creek, extend northwards over the height of land to the tributaries of Jasper Creek, and westwards to a no staking reserve along the eastern shore of the Nitinat River.

Steep incised drainages with rugged relief to approximately 300 meters characterize the physiography of the area. Much of the region has been logged in recent years and young second growth forest and logging roads occur over most of the claims. Climatic conditions are temperate with abundant rainfall in fall, winter and spring. Snow is seasonally present on the upper elevations during the period of mid- December to mid-February. Summer conditions can be dry and hot from mid- July to the end of August. Local temporary closures of the woods may occur during times of extreme forest fire danger. Generally, mild West Coast climatic conditions allow for a long exploration field season.

All weather logging road access is from the north via Port Alberni, a distance of approximately 45 kilometres, or from the east via Cowichan Lake (25 kilometres) and Duncan (50 kilometres) with driving times of about 90 minutes from either Port Alberni or Duncan to the Property. The Jasper Creek and Granite logging roads access the northern portion of the Property and Caycuse Main the southern portion. The Jasper and Granite roads have been partially deactivated and helicopter access is currently required to access much of the northern property, including the Jasper Showing. The Pan Showing is located on the Caycuse Main logging road and can be accessed by two wheel drive vehicle except in occasional periods of snow cover during the winter.

Property definition, owner, operator, geology and history

The Jasper Property consists of the Jas 3 legacy mineral claim and nine cell mineral claims that comprise ten contiguous claims which total 6615 hectares (Table 1 - Mineral Tenure Status). The Property is 100% owned and operated by Nitinat Minerals Corporation., Free Miners License No. 232291. The Jasper Property is subject to a purchase agreement dated December 1, 2007 whereby Nitinat acquired 100% interest in the Property from Inspiration in exchange for special warrants. All of the claims are in good standing until August 11, 2015.

The surface rights over the mineral claims of the Jasper Property are held by the B.C. government as crown land. Crown timber licenses over much of the Property are held by various logging companies. Indian Reserves of the Dididaht First Nation and a No Staking Reserve are situated along the mouth of the Nitinat River where it drains Nitinat Lake, immediately northeast of the Property.

Table 1 – Jasper Mineral Claims Tenure Status

Tenure Number	Tenure Type	Owner	Map Number	Good To Date	Status	Area (Ha)
342740	Mineral	232921 (100%)	092C088	2015/aug/11	GOOD	300
546913	Mineral	232921(100%)	092C	2015/aug/11	GOOD	2062.9448
546919	Mineral	232921 (100%)	092C	2015/aug/11	GOOD	531.3654
546921	Mineral	232921 (100%)	092C	2015/aug/11	GOOD	531.5719
546926	Mineral	232921 (100%)	092C	2015/aug/11	GOOD	531.7403
546927	Mineral	232921 (100%)	092C	2015/aug/11	GOOD	531.8616
546929	Mineral	232921 (100%)	092C	2015/aug/11	GOOD	531.9644
546930	Mineral	232921 (100%)	092C	2015/aug/11	GOOD	531.5411
546931	Mineral	232921 (100%)	092C	2015/aug/11	GOOD	531.3264
546932	Mineral	232921 (100%)	092C	2015/aug/11	GOOD	531.1546
Totals	10					6615.471

The Jasper Property is hosted in a belt of rocks mapped as upper Triassic to lower Jurassic Bonanza group. The belt trends southeasterly from Nitinat Lake through Gordon River, south of Cowichan Lake. The Bonanza belt is flanked to the west and east by Paleozoic Sicker Group rocks which host the economically important Myra Falls Massive Sulphide district located approximately 120 kilometres to the northwest, and the Lara Massive Sulphide district located approximately 50 kilometres to the east, respectively.

The Bonanza Group in the vicinity of the Jasper Property consists of a variety of maroon to gray-green, feldspar phyric basalt and andesite flows and dacite and felsic lapilli tuff containing various minor gabbro, andesite and dacite dykes. There is a lack of lithological continuity and distinct marker beds are absent. In the basal part of the sequence, sedimentary rocks are found interbedded with lapilli and crystal tuffs, indicating a sub-aqueous environment. It may be significant that work in 2005-06 by G.T. Nixon of the B.C. Geological Survey (“BCGS”) has proposed this same geological horizon in northern Vancouver Island as a favourable setting for volcanogenic massive sulphide deposits.

Granodiorite Island Intrusion stocks surround the Jasper Property, and are mapped in the northwest and northeast portions of the property. The coeval stocks are regular to elongate in shape with steep sides, and are generally exposed as rounded outcrops. The major lithology is granodiorite to quartz-diorite and most of the stocks are rich in mafic inclusions, particularly in marginal zones where magmatic intrusive breccias are developed.

Numerous RGS anomalies and MINFILE occurrences are found in the Alberni-Cowichan area and both porphyry and VMS styles of mineralization have been reported by BCGS geologists. Porphyry style Cu-Mo occurrences are commonly associated with high level sub-volcanic dykes and sills belonging to the Island Intrusion or Catface intrusive suites. The Lara VMS belt occurs in the eastern portion of the region hosted in rocks mapped as Sicker Group. Massey and Friday (BCGS) note VMS mineral potential where

reported "sulphidic argillites are found interbedded with tuffs" in the basal part of the Bonanza sequence in the Alberni - Cowichan area.

No Property scale geologic map has been compiled for the various MINFILE occurrences from the detailed mapping that has been done on a local scale by various parties over the years. A compilation of this nature goes beyond the scope of this technical report and would best be done by correlation of geologic units and inputting data into a GIS spatial database system.

From historical mapping, the Property geological setting can be described as follows:

The Jasper Property is mainly underlain by mafic to felsic volcanic rocks that have been previously mapped as Bonanza group. The north-central portion of the Property (Jasper showing) is underlain by a northwest trending sequence of intermediate flows and flow breccias that are flanked to the east by mafic flows. Units appear to have a moderate dip to the southwest. A wedge shaped body of felsic volcanic flows overlies the mafic rocks to the east. Felsite dykes intrude the intermediate and mafic volcanics, some of which may be feeders to the younger felsic flows. Often the intermediate and mafic flows and flow breccias are massive and bedding orientation is impossible to determine. Minor thin intercalations of pyritic argillite are present locally within the volcanic sequence.

The central and southern portions of the Property (Tam and Pan Showings) are underlain by mafic and intermediate volcanic sequences. Felsic volcanics occur at higher elevations on the eastern portion of the claims. Local foliation is oriented north-south. Within the alteration zone, protoliths are obliterated in macroscopic outcrop scale and individual units are difficult to correlate and map.

The northeast portions of the Property (Avallin showing) are sequentially underlain by Triassic Vancouver Group rocks consisting of mafic volcanics, tuffs and breccias of the Triassic Karmutsen Formation, limestone of the Quatsino Formation, and black argillites of the Parson Bay Formation. All rocks are highly folded, faulted and intruded by lower Jurassic intermediate to mafic dykes that are coeval with the Bonanza volcanics and by felsite dykes, possibly of the Tertiary Catface sequence.

A late major fault suture cuts Vancouver Island from the mouth of the Carmanah River on the West Coast to Parksville on the East. The Pan and Tam occurrences along Four Mile Creek and the J-Branch Main Showing on Jasper Ridge occur along this major fault structure. A north trending gossanous alteration zone with a strike length greater than four kilometers underlies the Jasper Property along the fault from the Caycuse Creek drainage in the south to the Nitinat Valley in the north. The alteration zone is characterized by moderate to intense argillization and silicification accompanied by ubiquitous pyrite flooding. The alteration zone is generally concordant with the foliation and stratigraphy throughout its strike length. Based on the huge volume of intensely altered rock present, a very major period of hydrothermal activity has taken place along the strike length of the system. The Main Grid area is partially underlain by the intense alteration zone. In the Pan area, ferricrete and locally thick till commonly overlie the alteration zone and have the effect of "masking" residual soil anomalies.

Steeply dipping, cross cutting, north trending fractures, shears and fault gouge zones are prevalent within the alteration zone and form the recessive valley containing Four

Mile Creek. Coincident narrow fault and fracture zones often emanate as a conjugate set at right angles to the main north trending fault system and control second order drainages that are the side creeks of the main Four Mile Creek drainage system. Offsets of all structures are not known as units have not been mapped across structures. Local brittle faulting commonly causes minor offsets to massive sulphide lenses in outcrop at the Jasper Showing.

Approximately thirteen Cu, Zn +/- Pb, Ag, Au sulphide showing areas have been relocated or discovered, and sampled by the Arnex/Inspiration programs carried out between 1994 and 2004 (Birkeland, 2004 ARIS 27657). The two showings of principal interest in the central portion of the Property are the Jasper Showing (MINFILE 092C080) and the Pan Showing (MINFILE 092C088). The Tam Showing (MINFILE 092C081) was also relocated and sampled during this period. In 2007, Inspiration completed geochronology work (Houle, 2008 ARIS 29659) establishing the age of sulphide mineralization at Jasper. In 2008, Inspiration completed a magnetic and electro-magnetic airborne geophysical survey over the Jasper Property (Houle, 2008 ARIS 30452). In 2010, airborne geophysical anomalies were prospected, an additional copper skarn showing was relocated and sampled (Avallin MINFILE 092C 037), and two additional Cu, Zn +/- Zn, Ag, Au sulphide showings were discovered and sampled (Burgert and Houle, 2010 ARIS 31908).

This reports documents all the work completed in 2011, and includes some 2010 data.

List of claims and work completed

From May 19 to June 16, 2011 intermittently, Jacques Houle, P.Eng. assisted by Adrian Houle, prepared for the 2011 trenching program on the Jasper Property. Mechanized trenching by Johel Bros. Contracting Ltd. of Lake Cowichan, B.C. using a Cat 320C backhoe commenced on June 17 and continued until July 23, 2011, including access road brushing and maintenance. Manual trenching, geological mapping and chip sampling of selected mechanically trenched outcrops along with prospecting of selected 2010 soil geochemistry anomalies was completed by Jacques and Adrian Houle intermittently from June 17 to July 19, 2011. Receipt, compilation and interpretation of geochemistry results from the sampling were completed by July 22, 2011.

From September 20 to October 5, 2011 intermittently, Jacques Houle prepared for the 2011 diamond drilling program on the Jasper Property. Diamond drilling of the Pan Showing by Claude Lessard of Port Alberni was completed from October 6 to November 1, 2011. Core logging and sampling was completed intermittently by Jacques Houle and Paul Carpenter, respectively, from October 14 to December 9, 2011. Receipt, compilation and interpretation of drill geochemistry results including this report were completed by April 4, 2012. All 2011 work was focused on the south-eastern portion of the Jasper Main Grid, entirely on cell mineral claim 546913, shown in Figures 1, 2a-b.

The prospecting program consisted of visiting and “ground-truthing” four selected sites of multi-element soil geochemistry anomalies located in the eastern portion of the Jasper Main Grid, with data tabulated in Appendix 1. One select rock grab sample (19142) was taken from a narrow quartz-sulphide stringer exposed in outcrop discovered near the site of a 2010 soil anomaly (21231) with elevated values in Au, Ba, Co, Cu, Pb, Zn and S,

but the rock sample yielded only elevated values in Ga (15 ppm). At the other three sites (21127, 21238 and 21072) no causes were found for the soil anomalies. Approximately 0.05 hectares in ten locations were prospected in 2011.

The trenching program consisted of mechanized and manual stripping of four selected known sites (Pan South, Pan North, Upper Camp Creek Road and Log Sort), and manual stripping only of one site (Upper Pan) with highly elevated values of Ag, Cu, Pb and/or Zn obtained in previous outcrop samples. This was followed by geological mapping and representative chip sampling or select grab sampling of the mineralized structures at each of the sites, shown in Figures 3a-d, with data tabulated in Appendix 1 and results presented in Table 2. Approximately 0.015 hectares in four locations were mechanically trenched in 2011 and 12 additional rock samples taken from 5 areas.

During the 2011 prospecting and trenching program, a total of 13 rock samples were taken. Eight of the 13 rock samples taken on the Jasper Property 2011 are best described as select outcrop grab samples, and were taken to help characterize possible mineralization in the outcrop at each location, and should not be considered representative of that mineralization. Five of the rock samples were representative chip samples taken from semi-continuous mineralized exposures in trenched outcrops or road cuts. Rock or sledge hammers, geotools, and/or moils were used to extract all rock samples, which were placed in new poly ore bags fastened with cable ties or other means to prevent spilling, and pre-numbered 3-part sample tags were placed in each bag.

At each rock sample site, samples were taken in duplicate, and one from each of the sample pairs was retained as a duplicate specimen, cut with a rock saw, and inspected and described using a binocular microscope. At each rock sample site, characteristics were recorded on pre-printed, waterproof, loose-leaf sample record forms in field notebooks, and sample numbers were recorded in triplicate: on the forms, on metal tags tied near the sample site and marked with flagging tape, and as waypoint numbers in a hand-held Garmin 60CSx GPS used by each sampler. Sample data was digitally after the field program.

The diamond drilling program targeted the Pan showings, based primarily on the geological mapping completed and chip sampling results obtained earlier in 2011. Three short parallel holes spaced 50 metres apart were designed to test the down-dip projections of the Pan showings east of Caycuse Main Road, with hole locations shown in Figure 3d, and compilations of Ag & Cu, and Pb & Zn data presented in Figures 4a-b. Drill casings were removed from, and labeled fence posts inserted into, each of the three drill collars. Drill collar locations and orientations were measured using a hand-held Garmin 60CSx GPS, and a Brunton compass. Diamond drilling data appears in Appendix 2, and drill intercepts are presented in cross section in Figures 5a-c, and in Table 3. All drill core was logged, sawn, sampled and stored in a secure farm building at Cedar, B.C.

During the 2011 drilling program, 3 holes totaling 162 metres of ATW core were drilled. The core was transported by pickup truck to a temporary core handling facility located in a farm building in Cedar, B.C. where it was geological logged, sawn and sampled, then stacked and stored indoors. All 103 core samples, along with 4 blanks and 3 standards, as well as the 13 rock samples, were transported by Greyhound Bus Parcel Express from Nanaimo, B.C. to Inspectorate Mining and Exploration Service Ltd.'s facility in

Richmond, B.C. where they were received, prepared, and analyzed generally using their 50-4A-UT ICP and Au-1AT-AA methods. Samples exceeding 10,000 ppm (1%) base metals (Cu, Pb or Zn) were re-analyzed for the over-limit elements using the 4A-OR-AA method. In addition, every tenth core sample (12 samples in total) was analyzed for major elements using the WR-FS-ICP method. Duplicate reference rock specimens were microscopically reviewed and described by Jacques Houle, and stored at his home office in Nanaimo, B.C.

Diamond drill core was picked up at the drill site and delivered to the core logging facility by pickup truck, generally two or three times per week. Drill core was divided into sample intervals marked by 2 matching portions of pre-numbered 3-part sample tags which were stapled in the core boxes at the start of each interval. Each interval was inspected visually using a microscope as required and described for colour, structure, lithology and mineralogy, measured for rock quality determination (RQD) and core recovery, and photographed in batches of 3 or 4 consecutive core boxes. The sample intervals, numbers, descriptions, and drill hole location data were recorded into pre-formatted MS Excel spreadsheets using notebook computers, and backed up daily using a USB drive stored in a separate location. Sample tags from the sequence were stapled into the core boxes approximately every 10th sample to mark locations for taking blank, standard, duplicate and whole rock samples.

A core saw was used by a trained sampler to saw all drill core from the 2011 drilling program. Appropriate saw cleaning procedures were followed between each sample, which was placed in a new poly ore bag fastened with a cable tie to prevent spilling, and the appropriate pre-numbered 3-part sample tags from the core box were placed in each bag. Samples marked for duplicate analyses had 2 such consecutive numbered tags inserted into each bag. Pre-packaged blanks and standards kept in secured kraft paper envelopes were placed in new poly ore bags fastened with cable ties, and the appropriate pre-numbered 3-part sample tags from the core boxes were placed in each bag. Blanks and standards were purchased from and prepared by CDN Resource Laboratories Ltd. of Langley, B.C. prior to the drill program.

This technical report was subsequently completed by Jacques Houle intermittently from September 20, 2011 to April 3, 2012. The 2011 cost statement for assessment work programs and the MTO statement of work event for filing the assessment work supported by and described in this technical report appear in Appendix 3.

Technical Data, Interpretation, Conclusions and Recommendations

2011 Rock Sample Geochemistry and Trench Mapping Highlights:

There were no significant visual or geochemistry results obtained from the four soil anomaly sites prospected in 2011, including from the one rock sample taken. These soil anomalies remain unexplained. However, elevated rock geochemistry values and potentially significant results were obtained from all five sites trenched sites, summarized in Table 2 below.

Table 2 – 2011 Jasper Trench Sampling Geochemistry Results

Target	Sample Type	Width (m)	Length (m)	Au g/t	Ag g/t	Cu %	Pb %	Zn %
Upper Camp Creek Road	select grab	1	1	0.207	61.45	8.15%	0.01%	0.02%
	select grab	0.5	1	0.121	7.88	0.09%	0.01%	0.05%
	select grab	0.15	1	0.019	3.04	0.34%	0.01%	0.01%
	select grab	0.75	1	0.041	34.4	8.38%	0.01%	0.02%
Pan North	select grab	0.5	1	0.136	48.20	7.34%	0.14%	16.00%
	select grab	0.5	1	0.047	7.15	1.18%	0.01%	4.21%
Upper Pan	select grab	0.5	2	0.214	34.49	5.93%	0.04%	0.11%
Pan South	continuous representative chips	1.25	6	0.042	17.68	0.95%	20.07%	9.61%
		0.9		0.087	6.68	0.27%	0.52%	3.71%
		0.5		0.072	7.75	0.39%	6.71%	9.11%
Log Sort	continuous representative chips	2	2	0.035	2.50	0.64%	0.01%	0.05%
		2		0.055	3.10	0.43%	0.06%	0.06%

The Upper Camp Creek Road Target consist of several steeply-dipping, narrow (0.1-1.0 m. thick) quartz-sulphide veins containing pods and stringers of pyrite, chalcopyrite and bornite hosted by altered volcanic rocks exposed in blasted and mechanically trenched outcrops along logging roads. The Log Sort Target consists of a gently north-dipping, 2 m. thick zone of siliceous, sulphidic and chloritic volcanic breccia containing varying amounts of pyrite, chalcopyrite and malachite exposed over 2 m. length in a mechanically trenched outcrop. Neither was considered a high priority drilling target.

The Pan North Target consists of fault-bound segments of gently west-dipping to flat-lying semi-massive sulphides containing pyrite, chalcopyrite, sphalerite, and bornite hosted by sericitic and siliceous volcanics, exposed in blasted and mechanically trenched outcrops along logging roads. The Upper Pan Target consists of chloritic and sulphidic volcanics containing pyrite and chalcopyrite in a 0.5 m. thick steeply west-dipping shear zone, exposed over 2 m. in a hand-trenched outcrop. The Pan South Target consists of a gently northwest-dipping, 0.5 – 1.25 m. thick quartz-calcite-sericite-sulphide vein containing pyrite, chalcopyrite, sphalerite and galena hosted by chloritic volcanics and exposed over 6 m. in a mechanically trenched outcrop along the Caycuse Main logging road. Three representative chip samples taken across the vein structure averaged 0.063 ppm gold, 12.07 ppm silver, 0.61% copper, 10.91% lead and 7.51% zinc over 0.9 m. thickness. The three Pan targets together were considered a priority target for diamond drilling initially by three 50-100 m. steep, east-trending holes at 50 m. spacing from the Caycuse Main Road.

2011 Diamond Drilling Highlights:

All three drill holes appear to have adequately tested the Pan Target within the capability of the drilling equipment used for the program, summarized in Table 3 below:

Table 3 – 2011 Jasper Diamond Drill Intercepts

Hole Number	From	To	Interval (m)	Au g/t	Ag g/t	Cu %	Pb %	Zn %
11-JAS-01	0.0	7.6	7.6	0.017	0.93	0.043	0.186	0.265
Including	3.0	4.6	1.5	0.018	1.63	0.871	0.585	0.741
And	10.7	12.2	1.5	0.024	2.68	0.024	0.679	1.214
Including	11.3	11.4	0.15	0.051	9.57	0.160	6.330	11.570
11-JAS-02	13.7	21.3	7.6	0.014	0.50	0.023	0.076	0.217
Including	13.7	18.3	4.6	0.019	0.61	0.031	0.079	0.256
And	19.8	21.3	1.5	0.006	0.42	0.013	0.142	0.294
11-JAS-03	1.2	14.0	12.8	0.010	0.44	0.014	0.003	0.146
Including	7.9	9.8	1.9	0.006	0.37	0.011	0.003	0.456

The drill intercepts are hosted by intermediate tuffaceous volcanics and locally by intermediate porphyritic intrusives, with variable quartz-sulphide-calcite-epidote stringers and veins. Many stringers and veins occur along two main core angle orientations, one at low and one at high angles to the core axis. All drill core appears silicified and is sulphidic throughout, with sulphides averaging about 3% mainly fine grained pyrite, with fine to medium grained sphalerite, galena and chalcopyrite. Base metal sulphides occur as zoned clusters locally within quartz-sulphide-calcite-epidote stringers and veins, decreasing in content down-hole.

The highest grade and greatest number of intercepts were achieved in drill hole 11-JAS-01, which is the southern-most of the three holes, and is closest to the Pan South Showing, where high grade base metal mineralization is exposed in trenched outcrops. Three representative chip samples taken from the trenched outcrops in 2011 averaged 0.063 g/t gold, 12.07 g/t silver, 0.61% copper, 10.91% lead and 7.51% zinc over 0.9 m. width. The shallow high grade intercept in drill hole 11-JAS-01 containing 0.15 m. @ 0.051 g/t gold, 9.57 g/t silver, 0.160% copper, 6.33% lead and 11.57% zinc is similar in style, mineralogy and grade to the trench samples, and is probably the same structure.

Conclusions and Recommendations:

The trench samples and drill intercepts achieved at the Pan Target in 2011 are probably not of economic significance themselves, but may represent hydrothermally remobilized base metal mineralization of either the Polymetallic Veins Ag-Pb-Zn+/-Au (BC Mineral Deposit Profile I05), Epithermal Au-Ag-Cu High Sulphidation, or Cu+/-Ag Quartz Veins (I06) that may be spatially related to possibly more significant deposits of either the Noranda/ Kuroko massive Cu-Pb-Zn (G06) or the Porphyry Cu-Mo-Au (L04) types. The large and intense hydrothermal alteration zone containing structures with high grade polymetallic sulphide mineralization, and pervasive pyrite mineralization, remain encouraging as a potential site for economic mineral deposits.

The Jasper Property requires additional focused exploration work at and around the other known showings on the property, and possibly at depth below the Pan Showing as well. This includes more trenching, mapping, sampling and shallow drilling programs, as

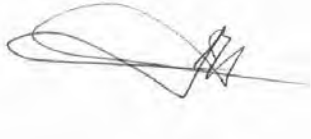
well as some deeper stratigraphic drilling. The possibility of expanding these showings and discovering additional base metal mineralization on the Property remains excellent. A proposed work program for the Jasper Property appears in Table 4 below.

Table 4 – Proposed Work Program for the Jasper Property

Item	Units	Unit Cost	Scheduling	Program Cost
GIS data compilation	10 days for 2 specialists	\$2,000 per day	Spring	\$ 20,000
Project planning	10 days for 1 geologist	\$1,000 per day	Spring	\$ 10,000
Prospecting	15 days for 2 geol., 2 prospectors	\$4,000 per day	Summer	\$ 60,000
Access trails	5 days backhoe	\$5,000 per day	Fall	\$ 25,000
Trench/map/sample	10 days backhoe, geol., assistant	\$7,500 per day	Fall	\$ 75,000
Diamond Drilling	2,000 metres	\$200 per metre	Fall	\$ 400,000
Compilation, Reports	10 days for 2 geologists	\$1,500 per day	Winter	\$ 15,000
Contingency	approximately 6%			\$ 45,000
Totals				\$ 650,000

Additional work programs may be recommended conditional upon results.

Respectfully submitted by:



Jacques Houle, P.Eng.



Author's Qualifications

I, Jacques Houle, P.Eng. do hereby certify that:

I am currently self-employed as a consulting geologist by:
Jacques Houle, P.Eng. Mineral Exploration Consulting
6552 Peregrine Road, Nanaimo, British Columbia, Canada V9V 1P8

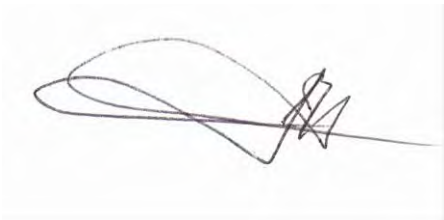
I graduated with a Bachelor's of Applied Science degree in Geological Engineering with specialization in Mineral Exploration from the University of Toronto in 1978.

I am a member in good standing with the Association of Professional Engineers and Geoscientists of British Columbia, the Society of Economic Geologists, the Association for Mineral Exploration British Columbia, and the Vancouver Island Exploration Group; I am also a member of the Technical Advisory Committee for Geoscience B.C., and of the advisory committee for the Earth Science Department of Vancouver Island University.

I have worked as a geologist for 34 years since graduating from university, including 5 years as a mine geologist in underground gold and silver mines, 15 years as an exploration manager, 3 years as a government geologist and 9 years as a mineral exploration consultant.

I previously worked on the Jasper Property in 2004, 2009 and 2010, and I am independent of Nitinat Minerals Corporation.

Dated this 3rd day of April, 2012.



Signature of Co-author

Jacques Houle, P.Eng
Print name of Co-author



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B. C. Ministry of Energy, Mines and Petroleum Resources websites:

Assessment Reports

<http://www.empr.gov.bc.ca/Mining/Geoscience/ARIS/Pages/default.aspx>

Landowner Notification

<http://www.empr.gov.bc.ca/Titles/MineralTitles/Admin/Notices/Pages/LandownerNotification.aspx>

MapPlace

<http://www.empr.gov.bc.ca/Mining/Geoscience/MapPlace/Pages/default.aspx>

Mineral Deposit Profiles

<http://www.empr.gov.bc.ca/Mining/Geoscience/MineralDepositProfiles/Pages/default.aspx>

MINFILE

<http://www.em.gov.bc.ca/Mining/Geolsurv/Minfile/>

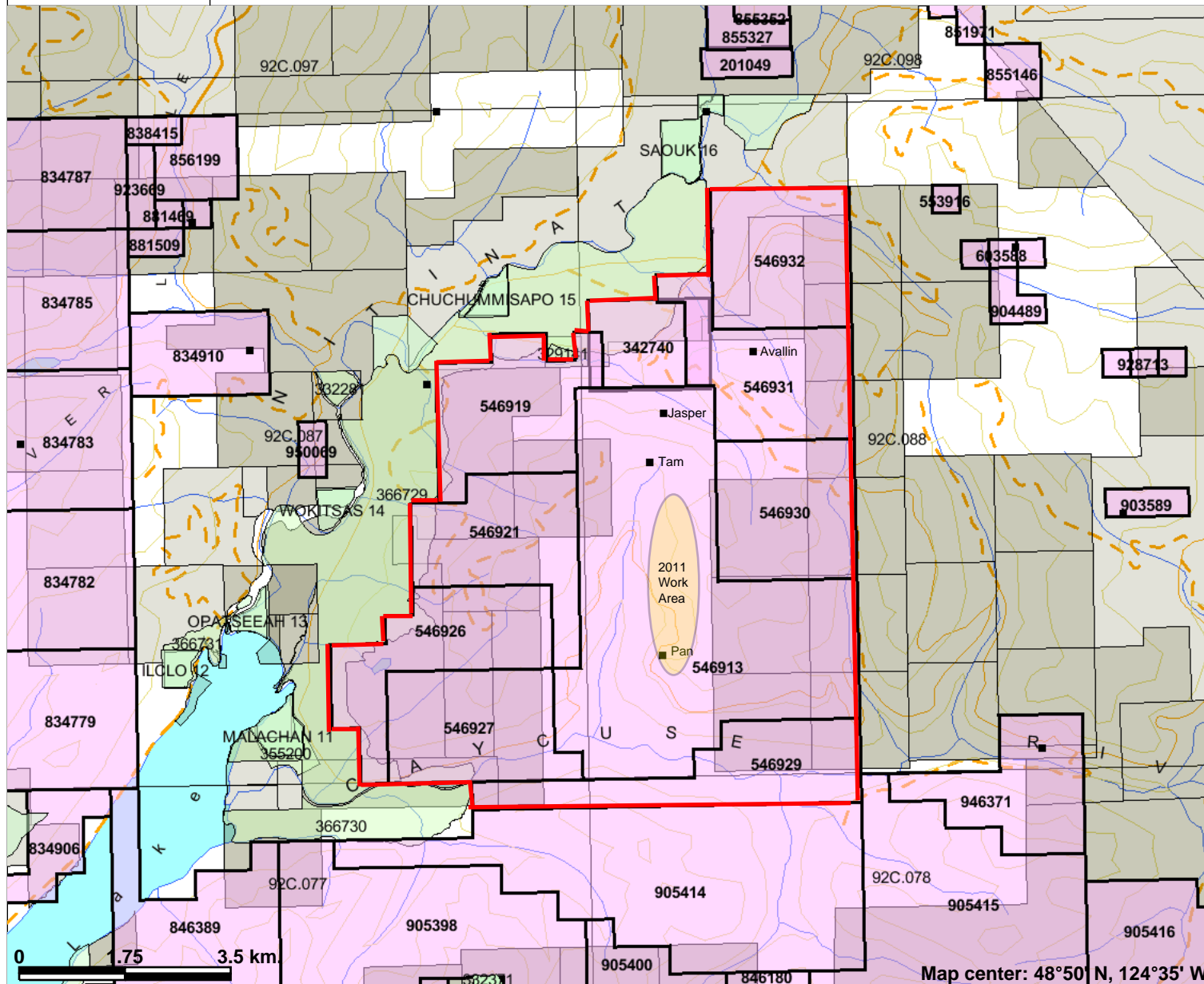
Ministry Publications

<http://www.empr.gov.bc.ca/Mining/Geoscience/PublicationsCatalogue/Pages/default.aspx>

Mineral Titles Online

<https://www.mtonline.gov.bc.ca/mtov/home.do>

Jasper Property Showing 2011 Work Area



Legend

MINFILE Status

- ✚ Producer
- ✚ Past Producer
- ✚ Developed Prospect
- All others

Mineral Reserves (current)

- Placer Claim Designation
- Placer Lease Designation
- No Staking Reserve
- Conditional Reserve
- Release Required Reserve
- Surface Restriction
- Recreation Area
- Others

Mineral Tenure (current)

- Mineral Claim
- Mineral Lease

Other Land Categories

- Indian Reserves
- National Parks
- Conservancy Areas
- Parks
- Federal Transfer Lands
- First Nations Treaty Related Lands
- Survey Parcels
- BCGS Grid

Contours (1:250K)

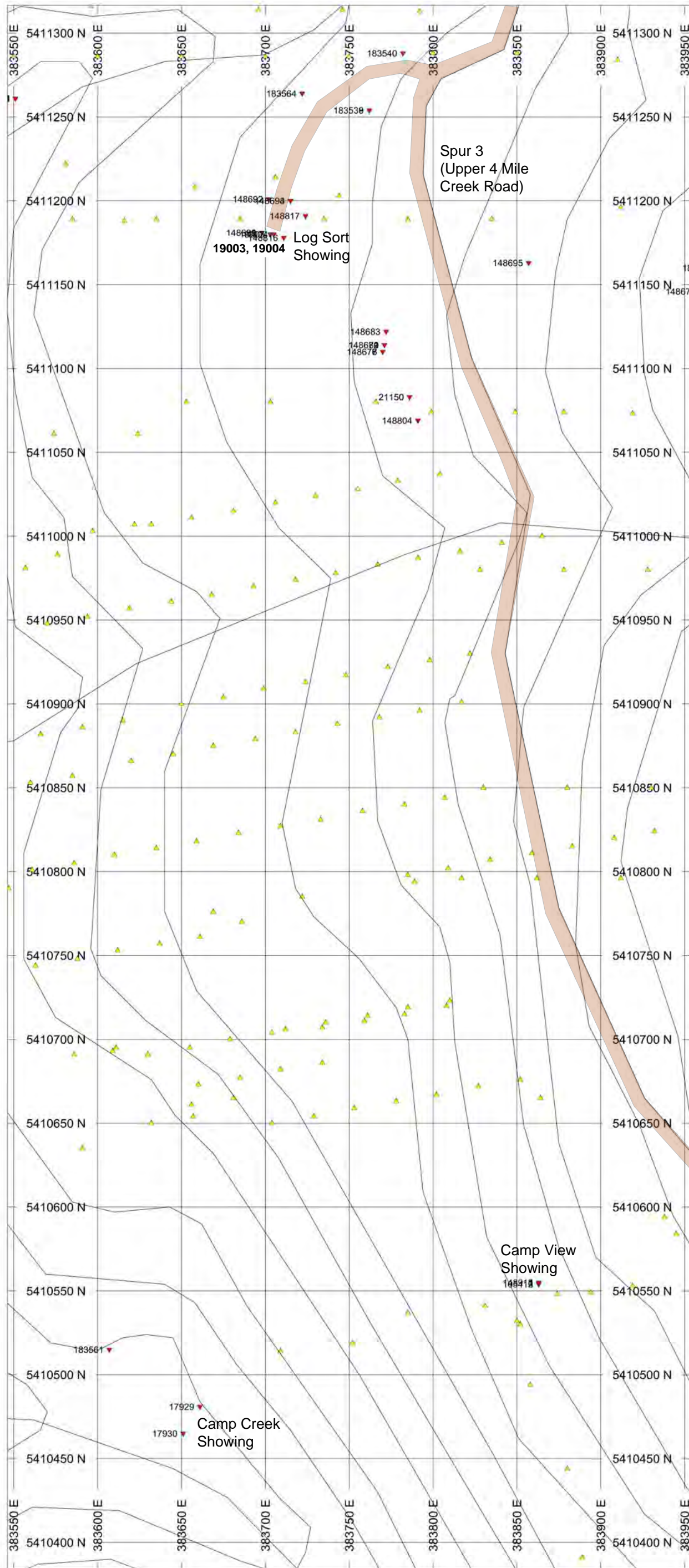
- Contour - Index
- Contour - Intermediate
- Area of Exclusion
- Area of Indefinite Contours

Map center: 48°50' N, 124°35' W

Scale: 1:100,000

This map is a user generated static output from an Internet mapping site and is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.

Figure 1

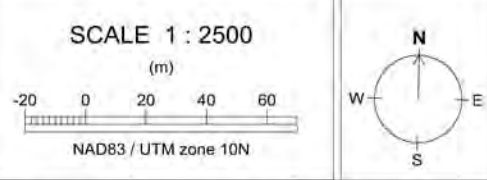


HOLES PLOTTED
 TOTAL 0

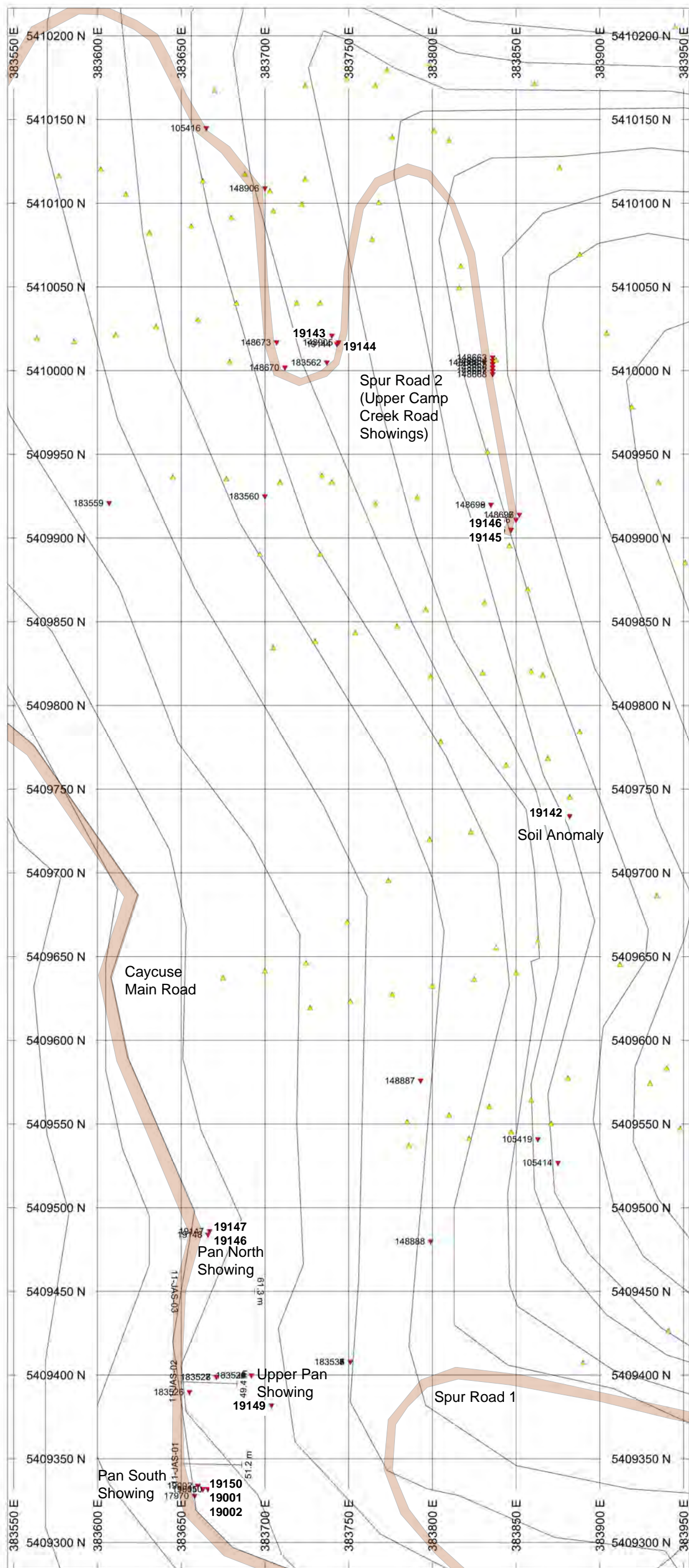
- ▲ 2004-2010 Soil Sample Location
- ▼ 2004-2011 Rock Sample Location and Number (2011 Sample Numbers in Bold)

Figure 2a

PLAN SPECS:
 REF. PT. E, N 383800 m 5411000 m
 EXTENTS 407.3 m 933 m



Nitinat Minerals Corporation
 Jasper Property
 Main Grid North
 2011 Sampling



HOLES PLOTTED

TOTAL 3

11-JAS-01 11-JAS-02 11-JAS-03

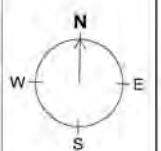
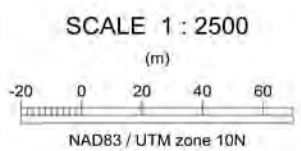
▲ 2004-2010 Soil Sample Location

▼ 2004-2011 Rock Sample Location and Number (2011 Sample Numbers in Bold)

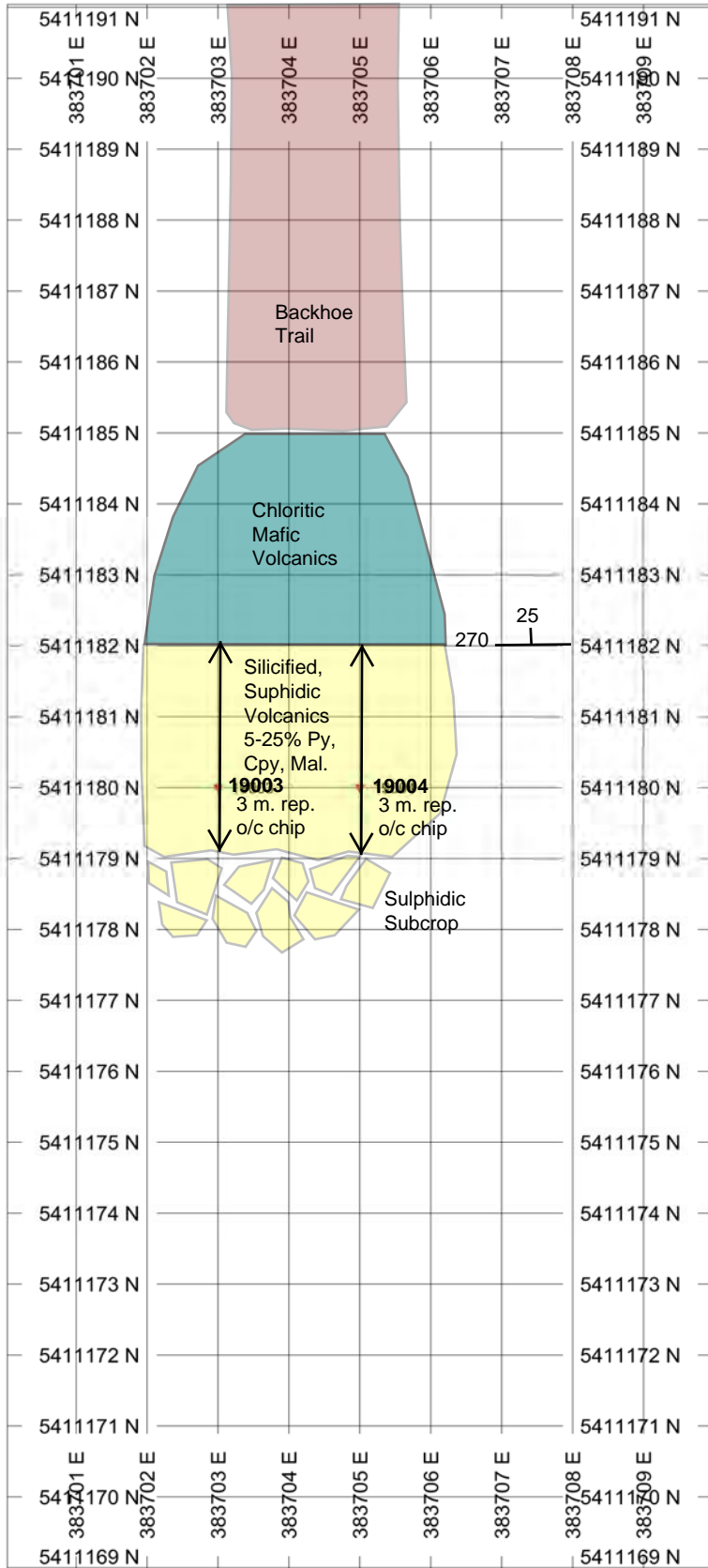
Figure 2b

PLAN SPECS:

REF. PT. E, N 383800 m 5410000 m
EXTENTS 407.3 m 933 m



Nitinat Minerals Corporation
Jasper Property
Main Grid South
2011 Sampling and Drilling



HOLES PLOTTED

TOTAL 0

▼ 2004-2011 Rock Sample Location and Number
(2011 Sample Numbers in Bold)

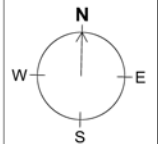
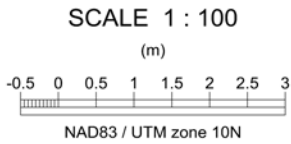
Figure 3a

No data plotted

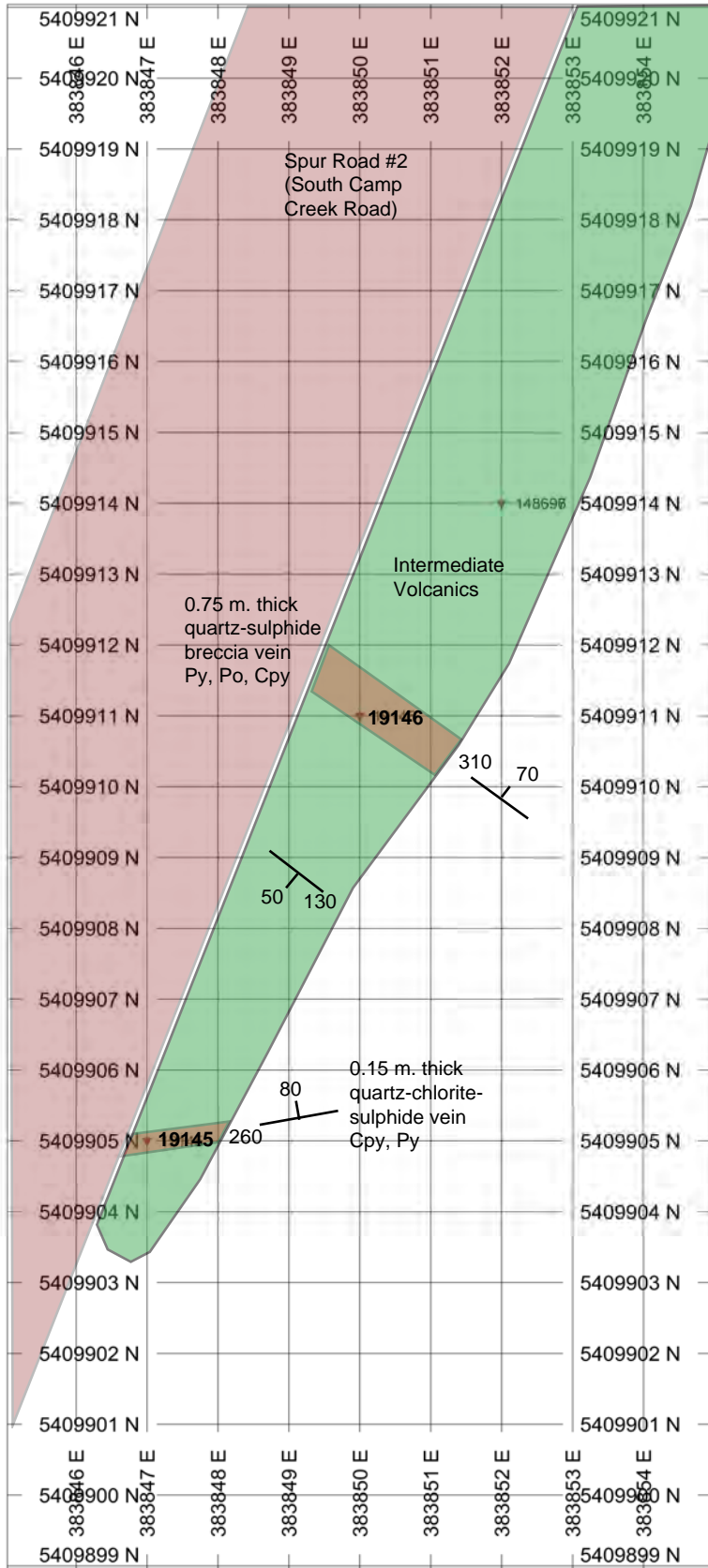
Rock Codes
AGS41P
Sample_ LIR TEXT
#

PLAN SPECS:

REF. PT. E, N 383700 m 5411000 m
EXTENTS 9.94 m 22.08 m



Nitinat Minerals Corporation
Jasper Property
Log Sort Area
2011 Sampling



HOLES PLOTTED

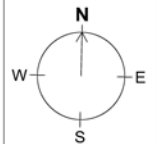
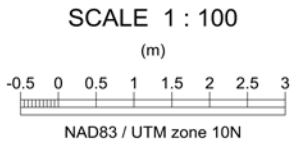
TOTAL 0

▼ 2004-2011 Rock Sample
Location and Number

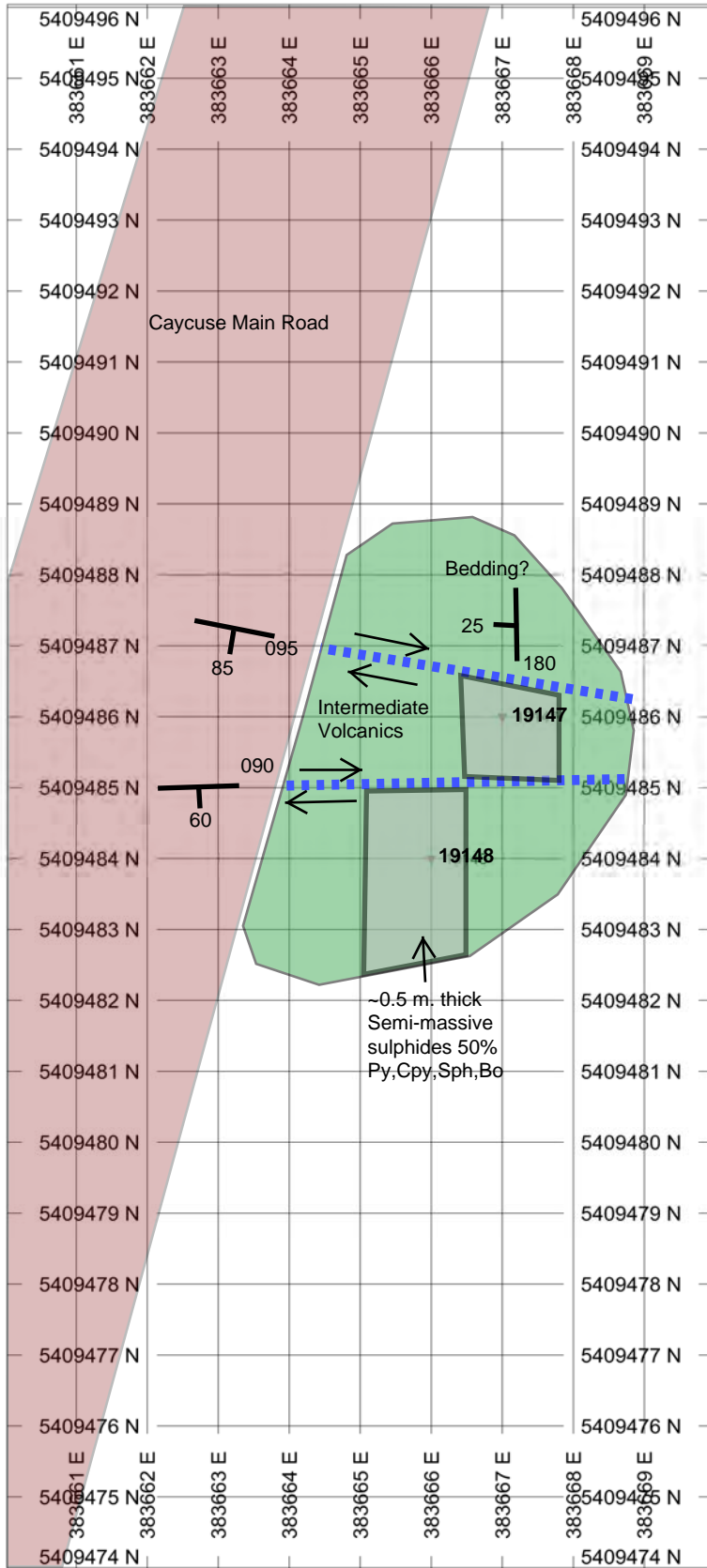
Figure 3b

PLAN SPECS:

REF. PT. E, N	383900 m	5410000 m
EXTENTS	9.94 m	22.08 m



Nitinat Minerals Corporation
Jasper Property
Spur Road #2 Area
2011 Sampling



HOLES PLOTTED

TOTAL 0

▼ 2004-2011 Rock Sample Location and Number (2011 Sample Numbers in Bold)

Figure 3c

No data plotted

Rock Codes
AGS41F
Sample_ L/R TEXT
#

PLAN SPECS:

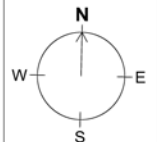
REF. PT. E, N 383700 m 5409000 m
EXTENTS 9.94 m 22.08 m

SCALE 1 : 100

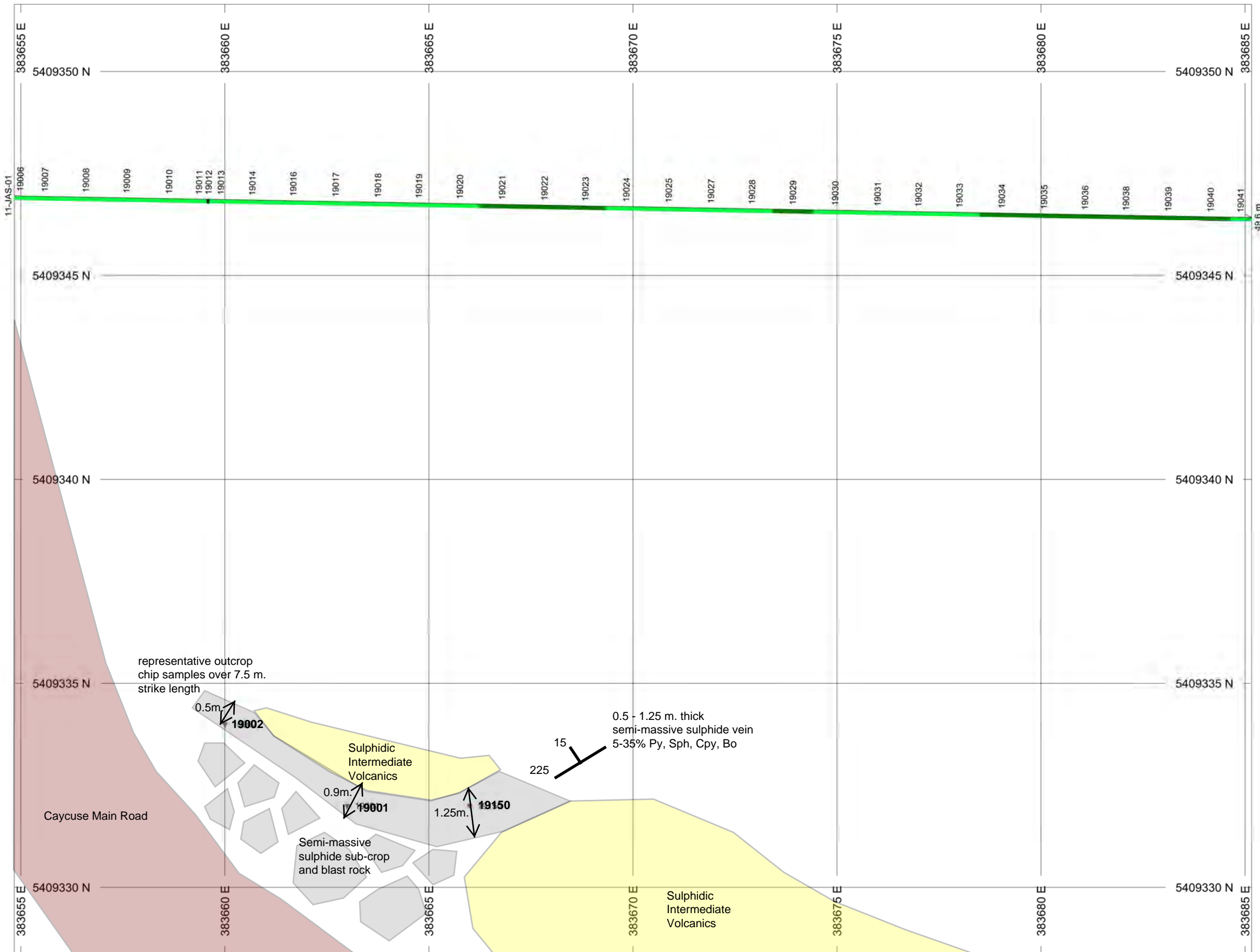
(m)



NAD83 / UTM zone 10N



Nitinat Minerals Corporation
Jasper Property
Pan North Area
2011 Sampling



HOLES PLOTTED

TOTAL 1
11-JAS-01

Figure 3d

▼ 2004 - 2011 Rock Sample Location and Number
(2011 Samples shown in bold)

ROCK CODES	PAT	LABEL	DESCRIPTION
Rock_Codes		Sv	Sulphide Vein
		Vib	Brecciated Intermediate Volcanic
		Vit	Tuffaceous Intermediate Volcanic

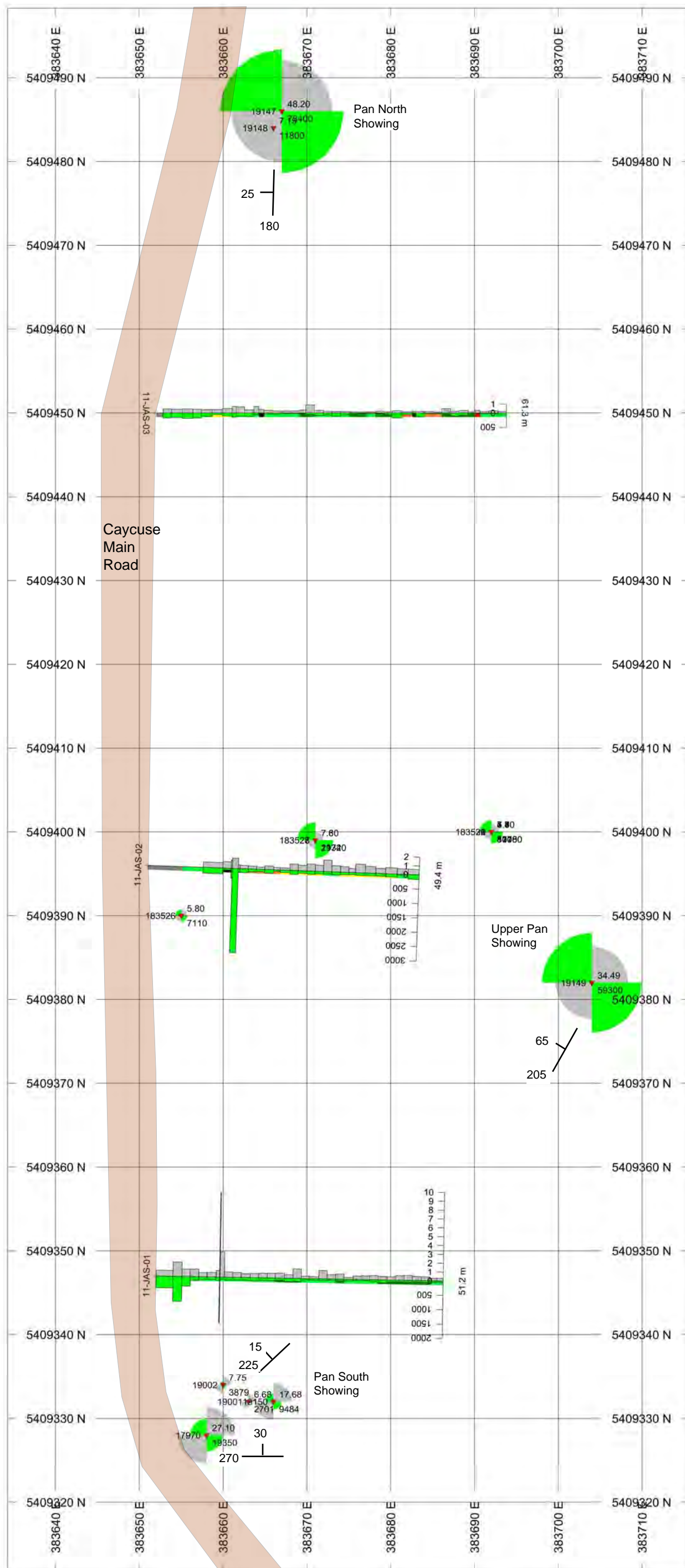
ASSAYS	L/R	TEXT
Sample	R	

PLAN SPECS:

REF. PT. E, N	383700 m	5409000 m
EXTENTS	30.32 m	23.29 m



Nitinat Minerals Corporation
Jasper Property
Pan South Area
2011 Sampling and Drilling



HOLES PLOTTED

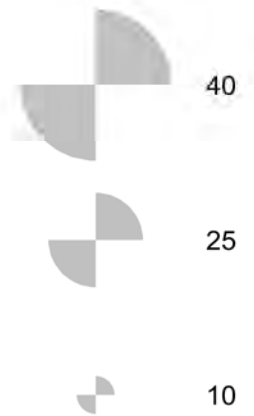
TOTAL 3

11-JAS-01 11-JAS-02 11-JAS-03

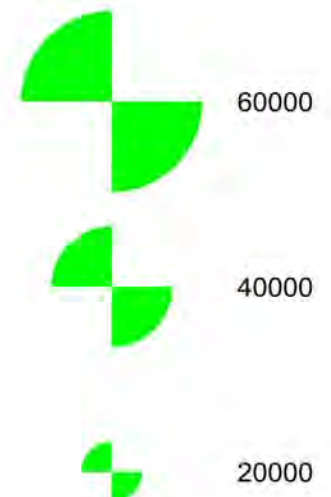
Rock Sample Number Silver (Ag) ppm
 ▼ Copper (Cu) ppm

Figure 4a

Ag ppm in Rocks



Cu ppm in Rocks

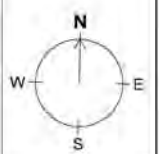


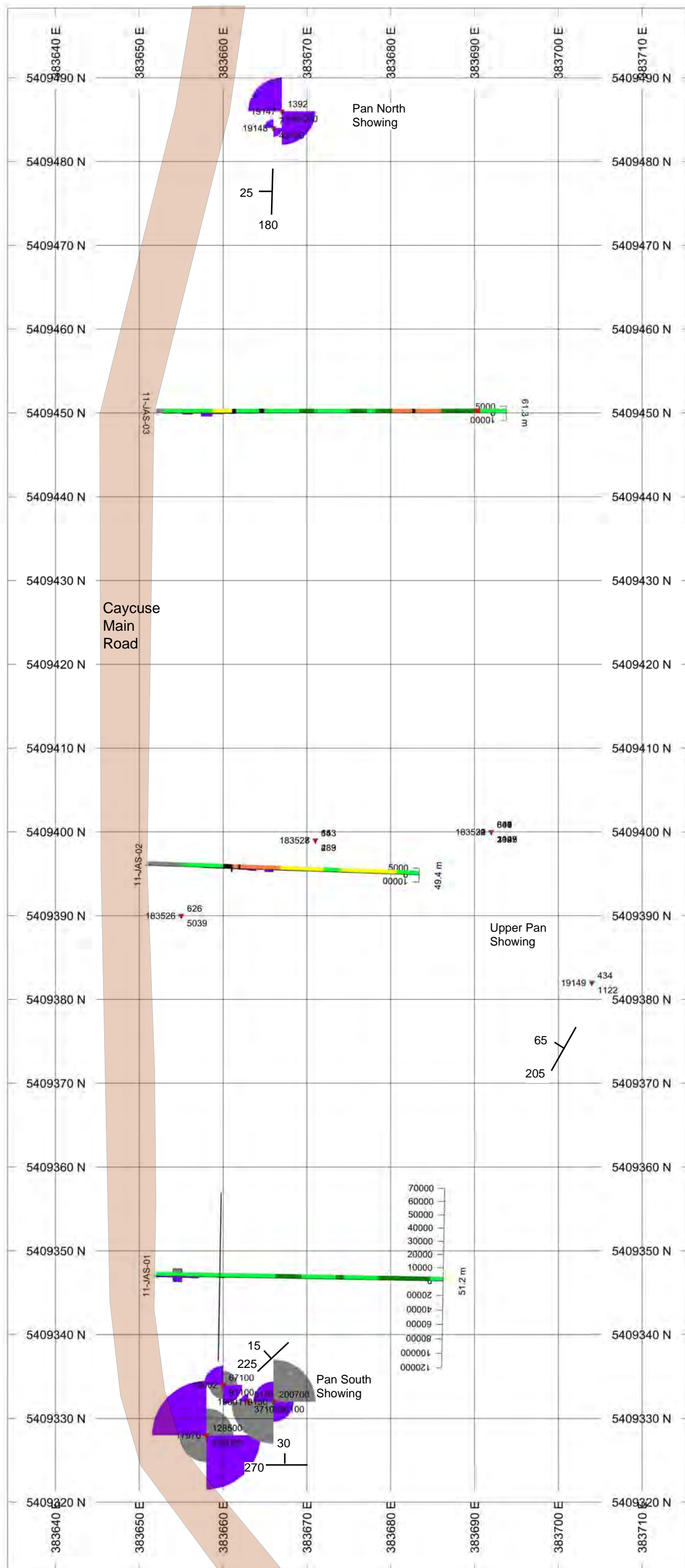
BAR GRAPHS
 Ag_gpt L/R COL
 Cu_ppm L COL

ROCK CODES	PAT	LABEL	DESCRIPTION
Rock_Codes	CA	CA	Casing
	lip	lip	Intermediate Intrusive
	Qv	Qv	Quartz Vein
	Sit	Sit	Sulphidic Intermediate Tuff
	Sv	Sv	Sulphide Vein
	Vib	Vib	Brecciated Intermediate Volcanic
	Vit	Vit	Tuffaceous Intermediate Volcanic

PLAN SPECS:

REF. PT. E, N 383700 m 5409000 m
 EXTENTS 81.45 m 186.6 m





HOLES PLOTTED

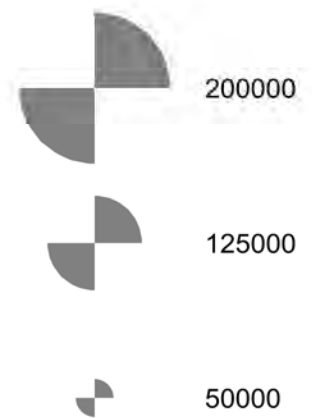
TOTAL 3

11-JAS-01 11-JAS-02 11-JAS-03

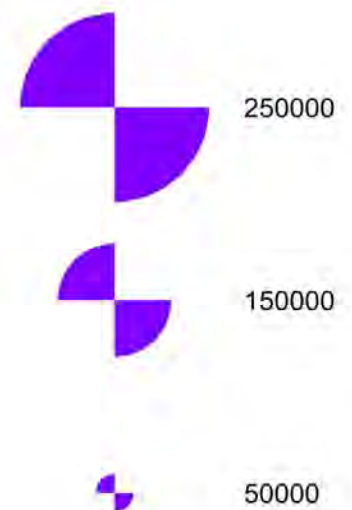
Rock Sample Number Lead (Pb) ppm
 ▼ Zinc (Zn) ppm

Figure 4b

Pb ppm in Rocks



Zn ppm in Rocks



BAR GRAPHS

Pb_ppm R COL
 Zn_ppm L COL

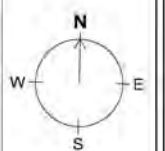
ROCK CODES

Rock_Codes	PAT	LABEL	DESCRIPTION
	CA		Casing
	lip		Intermediate Intrusive
			Porphyry
	Qv		Quartz Vein
	Sit		Sulphidic Intermediate Tuff
	Sv		Sulphide Vein
	Vib		Brecciated Intermediate Volcanic
	Vit		Tuffaceous Intermediate Volcanic

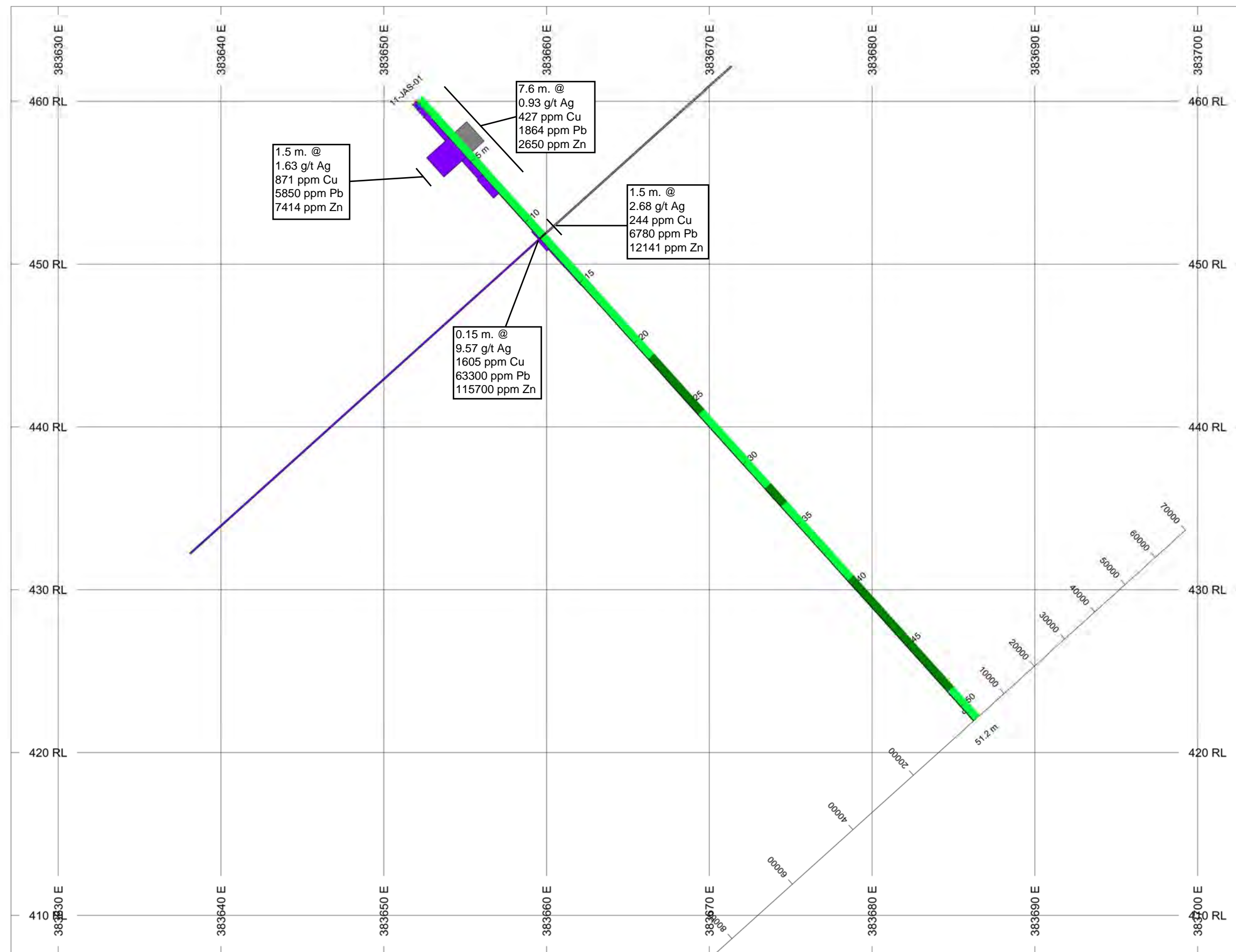
PLAN SPECS:

REF. PT. E, N 383700 m 5409000 m
 EXTENTS 81.45 m 186.6 m

SCALE 1 : 500



Nitinat Minerals Corporation
Jasper Property
 Pan Area Lead & Zinc Values
 2011 Sampling and Drilling



HOLES PLOTTED

TOTAL 1

11-JAS-01

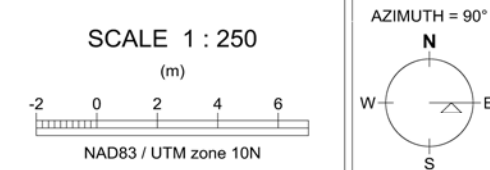
Figure 5a

BAR GRAPHS	L/R	COL
Pb_ppm	R	Grey
Zn_ppm	L	Purple

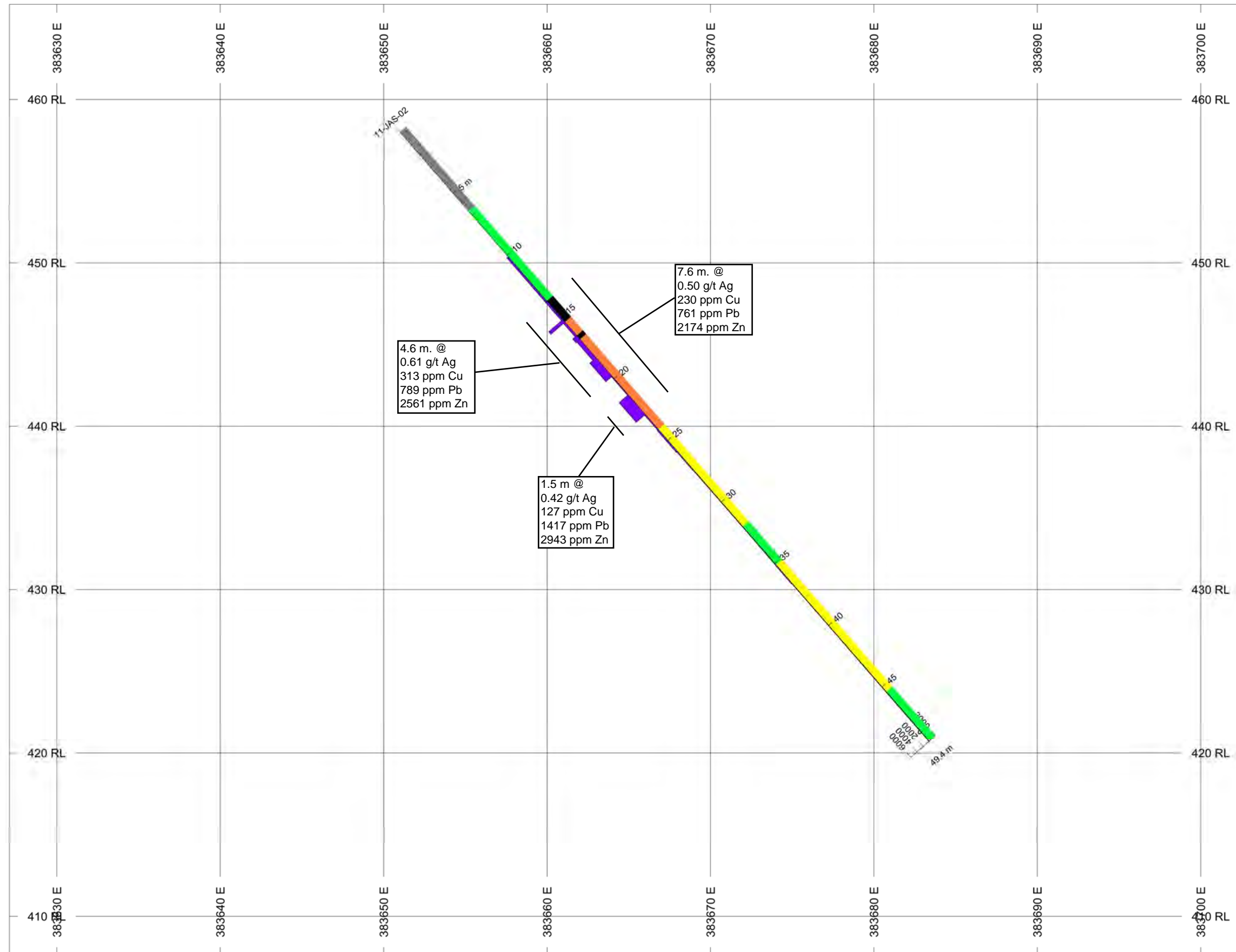
ROCK CODES	PAT	LABEL	DESCRIPTION
Rock_Codes	Black	Sv	Sulphide Vein
	Green	Vib	Brecciated Intermediate Volcanic
	Light Green	Vii	Tuffaceous Intermediate Volcanic

SECTION SPECS:

REF. PT. E, N	383665 m	5409350 m
EXTENTS	75.8 m	58.23 m
SECTION TOP, BOT	465.8 m	407.6 m
TOLERANCE +/-	12.5 m	



Nitinat Minerals Corporation
Jasper Property
 2011 Pan Area Drilling
 Section 5409350North



HOLES PLOTTED

TOTAL 1

11-JAS-02

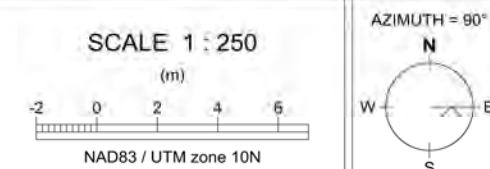
Figure 5b

BAR GRAPHS		L/R	COL
Pb_ppm	R		
Zn_ppm	L		

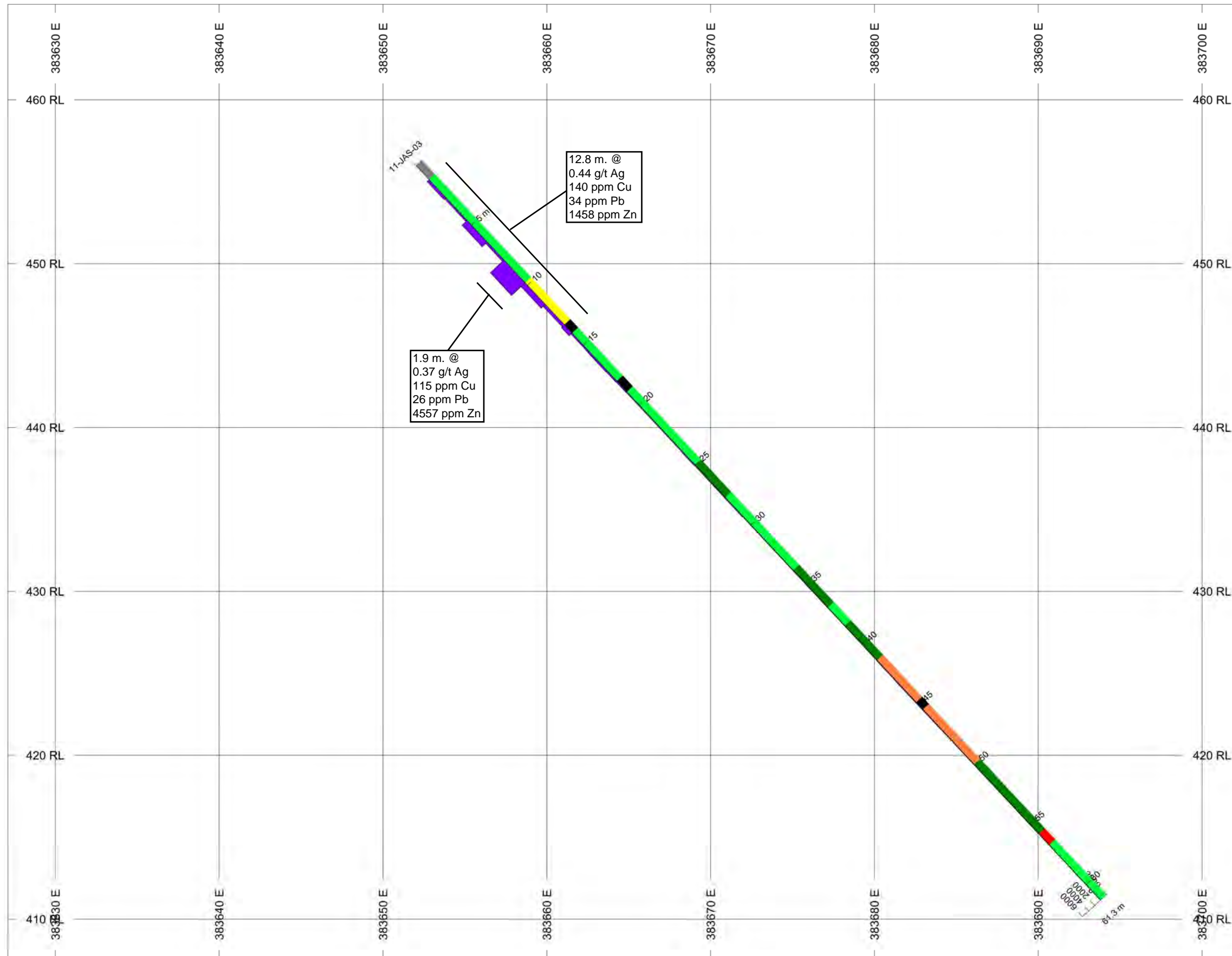
ROCK CODES	PAT	LABEL	DESCRIPTION
Rock_Codes		CA	Casing
		lip	Intermediate Intrusive
		Sit	Sulphidic Intermediate Tuff
		Sv	Sulphide Vein
		Vit	Tuffaceous Intermediate
			Volcanic

SECTION SPECS:

REF. PT. E, N	383665 m	5409400 m
EXTENTS	75.8 m	58.23 m
SECTION TOP, BOT	465.8 m	407.6 m
TOLERANCE +/-	12.5 m	



Nitinat Minerals Corporation
Jasper Property
 2011 Pan Area Drilling
 Section 5409400North



HOLES PLOTTED

TOTAL 1

11-JAS-03

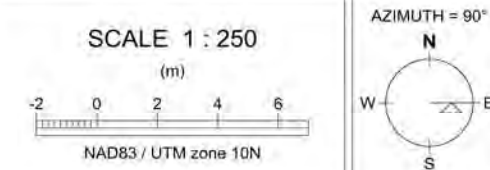
Figure 5c

BAR GRAPHS		L/R	COL
Pb_ppm	R		
Zn_ppm	L		

ROCK CODES	PAT	LABEL	DESCRIPTION
Rock_Codes		CA	Casing
		lip	Intermediate Intrusive Porphyry
		Qv	Quartz Vein
		Sit	Sulphidic Intermediate Tuff
		Sv	Sulphide Vein
		Vib	Brecciated Intermediate Volcanic
		Vit	Tuffaceous Intermediate Volcanic

SECTION SPECS:

REF. PT. E, N	383665 m	5409450 m
EXTENTS	75.8 m	58.23 m
SECTION TOP, BOT	465.8 m	407.6 m
TOLERANCE +/-	12.5 m	



Nitinat Minerals Corporation
Jasper Property
 2011 Pan Area Drilling
 Section 5409450North

2011 Jasper Assessment Report

Appendix 1 – Sample Data

2010&2011 GPS Locations for Jasper Project

Waypoint	Date	Taken By	Property	Location	Details	UTM Zone	Easting	Northing	Elevation
Helipad 2	10-Aug-10	Houle, J.	Jasper	North part of property	potential helicopter landing site at road junction	10N	385080	5412667	596
Cpy & Mal	12-Aug-10	Houle, J.	Jasper	east-flowing creek in grid area	0.1 m. angular cobble containing 3% Cpy, 5% Malachite	10N	383288	5410748	402
105405	12-Aug-10	Houle, J.	Jasper	grid area	2004 sample site	10N	383384	5410694	388
105460	12-Aug-10	Houle, J.	Jasper	grid area	2004 sample site	10N	383396	5410743	393
105477	12-Aug-10	Houle, J.	Jasper	grid area	2004 sample site	10N	383406	541894	411
105483	12-Aug-10	Houle, J.	Jasper	grid area	2004 sample site	10N	383425	5410866	406
Helipad	12-Aug-10	Houle, J.	Jasper	Caycuse Main	potential helicopter landing site along wide and steep portion of road	10N	383526	5408312	451
Washout	12-Aug-10	Houle, J.	Jasper	Caycuse Main	washout at south side of wooden culvert approx. 3m wide x 1m x 1	10N	384053	5408793	450
148567	18-Aug-10	Stirling, R.	Jasper	Lower road south grid	2004 rock sample site	10N	383763	5410063	559
148568	18-Aug-10	Stirling, R.	Jasper	Lower road south grid	2004 rock sample site	10N	383763	5410078	558
148580 Af	18-Aug-10	Stirling, R.	Jasper	Lower road south grid	2004 rock sample site	10N	383716	5410095	540
Spur Below Jas	13-Aug-10	Houle, J.	Jasper	north of grid area	overgrown road between 2 road systems	10N	383573	5411516	537
East End Spur	13-Aug-10	Houle, J.	Jasper	north of grid area	east end of overgrown road between 2 road systems	10N	383689	5411516	546
183533	13-Aug-10	Houle, J.	Jasper	grid area	2004 sample site	10N	383709	5409388	462
187532	13-Aug-10	Houle, J.	Jasper	grid area	2004 sample site	10N	383676	5409386	457
210449	13-Aug-10	Houle, J.	Jasper	grid area	2004 sample site	10N	383678	5409403	443
364654	13-Aug-10	Houle, J.	Jasper	grid area	2008 sample site	10N	383650	5409330	446
148567	18-Aug-10	Stirling, R.	Jasper	Lower road south grid	2004 rock sample site	10N	383763	5410063	559
148568	18-Aug-10	Stirling, R.	Jasper	Lower road south grid	2004 rock sample site	10N	383763	5410078	558
148580 Af	18-Aug-10	Stirling, R.	Jasper	Lower road south grid	2004 rock sample site	10N	383716	5410095	540
Jasper Camp	29-Sep-10	Houle, J.	Jasper	2004 Camp Site		10N	383447	5410518	374

2010&2011 Anomaly Ground Truthings for Jasper Project					
Anomaly No.	Date	Visited by	Property	Location	Details
10770A	8-Dec-09	Houle, J. & Houle, A.	Jasper	near decommissioned logging road and north-flowing creek	0.1 m. thick quartz vein @ 095/35 between 10770A and 10780A rock sample 8801
10780A	8-Dec-09	Houle, J. & Houle, A.	Jasper	near decommissioned logging road and north-flowing creek	0.1 m. thick quartz vein @ 095/35 between 10770A and 10780A rock sample 8801
10780B	8-Dec-09	Houle, J. & Houle, A.	Jasper	west of decommissioned logging road and north-flowing creek	no visible cause of anomaly
10770A	8-Dec-09	Houle, J. & Houle, A.	Jasper	west of decommissioned logging road and north-flowing creek	no visible cause of anomaly
10770B	8-Dec-09	Houle, J. & Houle, A.	Jasper	west of decommissioned logging road and north-flowing creek	no visible cause of anomaly
10690B	10-Aug-10	Carpenter, P. & Houle, J.	Jasper	Between and parallel to 2 decommissioned logging roads across 30 deg. Slope	Angular float up to 0.25 m. diameter consisting of diorite or quartz diorite with 10-15% magnetite; no outcrop at site
10700A	10-Aug-10	Carpenter, P. & Houle, J.	Jasper	Between and parallel to 2 decommissioned logging roads across 25 deg. Slope	Abundant small float 0.05 m. diameter consisting of diorite/quartz diorite with 10-15% magnetite; no outcrop at site
10720A	10-Aug-10	Carpenter, P. & Houle, J.	Jasper	Between and parallel to 2 decommissioned logging roads across 35 deg. Slope	Angular float up to 0.5 m. diameter consisting of diorite with 10-15% magnetite; no outcrop at site
10720B	10-Aug-10	Ickringill, M. & Stirling, R.	Jasper	Anomaly possibly along old logging skid trail	Rusty shear zone along creek 25 m. from anomaly site @ 385425E, 5413154N; no outcrop at anomaly site
10730A	10-Aug-10	Ickringill, M. & Stirling, R.	Jasper	Old logging road 20 m. downslope from anomaly	No outcrop at anomaly site
10740A	10-Aug-10	Ickringill, M. & Stirling, R.	Jasper	Old logging road 5 m. from anomaly	No outcrop at anomaly site
10750A	10-Aug-10	Ickringill, M. & Stirling, R.	Jasper		Old logging cables near anomaly site; no outcrop
10760C	10-Aug-10	Ickringill, M. & Stirling, R.	Jasper		
10860A	25-Aug-10	Ickringill, M. & Burgert, A.	Jasper	amidst lots of old unmapped logging trails	nearby creek exposure of fossiliferous mudstone; nearby roadcut bedrock and creek exposures of magnetic mafic flow
10870A	25-Aug-10	Ickringill, M. & Burgert, A.	Jasper	amidst lots of old unmapped logging trails	nearby creek exposure of fossiliferous mudstone
10690A	26-Aug-10	Ickringill, M. & Burgert, A.	Jasper	below old logging road, in brushy valley	no outcrop at site, nearby creek exposure of pyritic rhyolite
10700B	26-Aug-10	Ickringill, M. & Burgert, A.	Jasper	below old logging road, in brushy valley	no outcrop at site, nearby creek exposure of pyritic rhyolite
10730B	26-Aug-10	Ickringill, M. & Burgert, A.	Jasper	on old logging road	anomaly is at roadcut exposure of pyritic felsic volcanic
10760B	27-Aug-10	Ickringill, M. & Carpenter, P.	Jasper	below old logging road	No outcrop at anomaly site
10750B	27-Aug-10	Ickringill, M. & Carpenter, P.	Jasper	below old logging road	No outcrop at anomaly site
21127	30-Jun-11	Houle, J. & Houle, A.	Jasper	soil anomaly with elevated Cd,Cu,Pb,Zn at S. end of 4 Mile Ck. Rd.(Spur#3)	Probable soil sample site in overturned tree root in steep old growth forest; mafic volcanic talus and small outcrops with no mineralization
21231	30-Jun-11	Houle, J. & Houle, A.	Jasper	soil anomaly with elevated Au,Ba,Co,Cu,Pb,Zn S. of S. end Spur#3	Rock sample 19142 taken (see details)
21238	30-Jun-11	Houle, J. & Houle, A.	Jasper	soil anomaly with elevated Au,Cu,Mo,Pb,Sb,Zn along Upper Camp Ck. Rd.(Spur#2)	Probable soil sample site from road rock cut talus fines; thin rusty shears with rare quartz-sulphide stringers in rock cut (not sampled)
21072	5-Jul-11	Houle, A.	Jasper	soil anomaly with elevated Ba,Co,Cu,Zn along 4 Mile Creek Road (Spur#3)	No apparent cause found by hand trenching site and prospecting

2010&2011 Rock Sample Locations for Jasper Project										
Sample #	Date	Sampler	Property	Location	Details	UTM Zone	Eastings	Northing	Elevation	
8801	8-Dec-09	Houle, J.	Jasper	Between Airborne EM anomalies 10780A and 10770A	select outcrop grab of 0.1 m. thick quartz vein @ 095/35 in volcanics bedded? @ 055/4	10N	385996	5413142	370	
17927	18-Aug-10	Burgert, A.	Jasper	below deactivated road	float cobble angular rusty 0.25m long rhyolite, pervasive disseminated fine-grained pyrite euhedra, one clots of sphalerite 5mm long + tr. chalcocopyrite	10N	384036	5409717	693	
17928	18-Aug-10	Burgert, A.	Jasper	roadcut uof deactivated road	roadcut float boulder 0.60m long, rhyolite agglomerate, fragments to 15mm wide, 5% disseminated pyrite pervasive, clots of galena + sphalerite 20mm long x 3mm wide	10N	384066	5409715	713	
17929	20-Aug-10	Burgert, A.	Jasper	stream outcrop	series of milky quartz veins to 15mm wide with coarse-grained massive pyrite in the vein centres and trace chalcocopyrite and bornite, 210/65, host rock is pale light green rhyolite with pervasive fine-grained pyrite disseminations, slide rock in creek, found by Michelle and Paul, sampled by Arnd, mineralized specimen	10N	383661	5410481	435	
17930	20-Aug-10	Burgert, A.	Jasper	stream outcrop	same showing as 17929: 50mm wide blowout of massive pyrite, trace chalcocopyrite and bornite @ 170/80, sample is high grade of pyrite to check for precious metals; nearby in creek bed is 0.4m wide soft clay-altered unit adjacent to black shale band	10N	383651	5410465	431	
17968	11-Aug-10	Houle, J.	Jasper	along southwest-flowing creek bed near Avallin MINFILE occurrence upstream of moss mat sample 21253	select grab from 0.25 m. angular float, one of several angular pieces of Cu/Fe Skarn containing 3% Cpy, 15% Mt, malachite	10N	386040	5414014	435	
17969	13-Aug-10	Houle, J.	Jasper	Jasper J-Branch Main Showing	select float grab of broken rock along upper bench in road cut	10N	383924	5412084	571	
17970	13-Aug-10	Houle, J.	Jasper	Pan Road South Showing	select float grab of broken rock in road cut intersection bedded sulphides @ 300/10 and feeder? Sulphides @ 080/80	10N	383658	5409328	444	
17931	25-Aug-10	Burgert, A.	Jasper	South EM anomaly	grab sample from outcrop in stream bank, rusty fractured rubbly supergene oxide zone at base of overburden, felsic volcanics containing 2% disseminated fine-grained pyrite	10N	385257	5410512	713	
17932	25-Aug-10	Burgert, A.	Jasper	South EM anomaly	grab sample of outcrop, fine-grained felsic volcanics, 10% disseminated fine-grained pyrite, rusty fractures	10N	385260	5410509	714	
17933	25-Aug-10	Burgert, A.	Jasper	South EM anomaly 10732	felsic volcanic in roadcut outcrop at EM anomaly 10732, 2% disseminated pyrite	10N	385527	5410231	720	
21150	24-Aug-10	Stirling, R., Carpenter, P.	Jasper	Upper road of south soil grid	Select grab from outcrop. Intermediate intrusive with FeOx, possible sphalerite and talc? Sulphur?. Fine grained minerals.	10N	383786	5411083	536	
21161	26-Aug-10	Burgert, A.	Jasper	Cu soil geochemistry anomaly	float cobble, rhyolite containing 3% disseminated fine-grained pyrite	10N	383997	5410843	659	
21457	24-Aug-10	Stirling, R., Carpenter, P.	Jasper	Soil geochem anomaly NE of creek by NE north soil grid corner (by site 316)	Select grab from outcrop. Qtz eye porphyry with epidote alteration and FeOx. Py and cpy, with small spots of malachite.	10N	383430	5411370	506	
21458	24-Aug-10	Stirling, R., Carpenter, P.	Jasper	Soil geochem anomaly west of creek next to NE north soil grid corner (by site 316)	Select grab from outcrop. Pinky rock with FeOx and py. Other minerals?	10N	383341	5411311	508	
19142	30-Jun-11	Houle, A., Houle, J.	Jasper	Soil geochem. Anomaly site immediately uphill from soil sample 21231 along eastern portion of main grid	Select outcrop grab from 0.1m. thick quartz-sulphide stringers in rusty shear @ 210/65 0.1 m. thick hosted by intermediate volcanics	10N	383882	5409734	572	
19143	30-Jun-11	Houle, A., Houle, J.	Jasper	Trenched rock-cut at switchback #2 along Spur Road #2 (Upper Camp Creek Road) immediately uphill from rock sample site 148905	Select outcrop grab of 1.0 m. thick sheared sulphide-quartz vein @ 175/65 hosted by intermediate volcanics: 20% chlorite, 25% pyrite, 5% chalcocopyrite+bornite	10N	383740	5410021	553	
19144	30-Jun-11	Houle, A., Houle, J.	Jasper	Trenched rock-cut at switchback #2 along Spur Road #2 (Upper Camp Creek Road) at site of rock sample site 148905 (3m SW and 2m below 19143)	Select outcrop grab of 0.5 m. thick sheared quartz-sulphide vein @ 175/65 hosted by intermediate intrusive: 50% silica, 10% chlorite, 15% pyrite, trace cpy+bo	10N	383743	5410016	547	
19145	7-Jul-11	Houle, J., Houle, A.	Jasper	Trenched rock-cut near top along East side of Spur Road #2 (Upper Camp Creek Road) 5 m. southwest of 19146	Select outcrop grab of 0.15 m. thick quartz-chlorite breccia vein @ 260/80 hosted by intermediate volcanics, 75% silica, 15% chlorite, trace Cpy/Py	10N	383847	5409905	595	
19146	7-Jul-11	Houle, J., Houle, A.	Jasper	Trenched rock-cut near top along East side of Spur Road #2 (Upper Camp Creek Road) 5 m. northeast of 19145	Select outcrop grab of 0.75 m. thick quartz-sulphide breccia vein @ 310/70 hosted by intermediate volcanics bedded? @ 130/50; 25% silica, 15% chlorite, 25% Cpy/Py/Bo in pods up to 0.5 m. wide	10N	383850	5409911	596	
19147	7-Jul-11	Houle, J., Houle, A.	Jasper	Trenched rock-cut along east side of Caycuse Main 2 m. northeast of 19148 (Pan North)	Select outcrop grab of 0.5 m. thick semi-massive sulphides bedded? @ 180/25 truncated to the north by 0.2 m. thick fault @ 095/85, hosted by intermediate volcanics; 25% sericite, 10% silica, 50% Py,Cpy,Sph,Bo	10N	383667	5409486	432	
19148	7-Jul-11	Houle, J., Houle, A.	Jasper	Trenched ditch along east side of Caycuse Main 2 m. southwest of 19147 (Pan North)	Select outcrop grab from partially exposed, flat-lying semi-massive sulphides with apparent dextral offset 1m. by 0.02 m. fault @ 090/60; hosted by intermediate volcanics: 25% sericite, 10% silica, 50% Py,Cpy,Bo,Sph	10N	383666	5409484	431	
19149	7-Jul-11	Houle, J., Houle, A.	Jasper	Hand trenched outcrop 15 m. west and downhill of switchback on Spur Road #1, immediately east of sample 183537, which is from a subcrop boulder, not outcrop (Upper Pan)	Select outcrop grab from 0.5 m. thick chlorite-sulphide rock in shear zone @ 205/65, hosted by intermediate volcanics: 75% chlorite, 15% Py/Cpy	10N	383704	5409382	456	
19150	13-Jul-11	Houle, J., Houle, A.	Jasper	Trenched rock-cut and outcrop along east side of Caycuse Main 3m., 6 m. southeast of outcrop samples 19001, 19002, and 3 m. east of sample 17970 which is from a subcrop boulder (Pan South)	Representative outcrop chip from 1.25 m. thick semi-massive sulphides? & oxides bedded? @ 225/15 hosted by altered intermediate volcanics; 15% epidote, 35% Py,Sph,Cpy,Bo; FeOx, ZnO, Malachite	10N	383666	5409332	435	
19001	13-Jul-11	Houle, J., Houle, A.	Jasper	Trenched rock-cut and outcrop along east side of Caycuse Main 3 m. northwest of 19150 and 3m. southeast of 19002, 2 m. north of subcrop sample 17970 (Pan South)	Representative outcrop chip from 0.9 m. thick gossanous, siliceous oxides and sulphides bedded? @ 225/15 hosted by altered intermediate volcanics; 15% epidote, 15% silica, 5% Py,Sph,Cpy; 50% FeOx, ZnO, Malachite	10N	383663	5409332	434	
19002	13-Jul-11	Houle, J., Houle, A.	Jasper	Trenched rock-cut and outcrop along east side of Caycuse Main 3 m., 6m. northwest of 19001, 19150, 4 m. northwest of subcrop sample 17970 (Pan South)	Representative outcrop chip from 0.5 m. thick gossanous, siliceous oxides and sulphides bedded? @ 225/15 hosted by altered intermediate volcanics; 15% silica, 5% epidote, 5% Py, Cpy, Sph; 50% FeOx, ZnO, Malachite	10N	383660	5409334	433	
19003	19-Jul-11	Houle, J., Houle, A.	Jasper	Trenched outcrop at south end of 4 Mile Creek Road log sort 3 m. north of subcrop sample 148816, 2 m. east of sample 19004	Representative outcrop chip from 2.0 m. thick, siliceous and sulphidic mafic volcanics bedded? @ 270/25, containing 10% sulphides incl. Py, Cpy, Malachite	10N	383703	5411180	510	
19004	19-Jul-11	Houle, J., Houle, A.	Jasper	Trenched outcrop at south end of 4 Mile Creek Road log sort 3 m. north of subcrop sample 148816, 2 m. west of sample 19003	Representative outcrop chip from 2.0 m. thick, siliceous and sulphidic mafic volcanics bedded? @ 270/25, containing 10% sulphides incl. Py, Cpy, Malachite	10N	383705	5411180	510	

2010&2011 Rock Sample Descriptions for Jasper Project													
Sample #	Descriptions												
8801													
17927	Grey, v.f.g., silicified pyroxene? Porphyry tuff with 5% disseminated to clustered pyrite												
17928	Grey, v.f.g., silicified feldspar porphyry tuff with 1% f.g. disseminated pyrite and 15% c.g. quartz-sulphide stockwork stringers with 2.5% sulphides including 1% galena, 1% sphalerite, minor chalcocopyrite, pyrrhotite, molybdenite												
17929	90% grey, v.f.g. silicified feldspar porphyry tuff with 2% pyrite blebs mainly in phenocryst; 10% thin planar quartz-sulphide stringers containing 20% (2% overall) m.g. sulphide clots consisting of 1% chalcocopyrite and 1% pyrite												
17930	75% grey, f.g., pyroxene? porphyry tuff with 5% pyrite blebs mainly in chloritic phenocrysts; 25% white and bronze, m.g., quartz-sulphide vein with 20% chalcocopyrite in clusters												
17968	Green, black and yellow, massive and zoned calcic Fe/Cu Skarn with 50% f.g. epidote/chlorite groundmass, 40% coarse radiating magnetite pseudomorphic after actinolite, 5% coarse yellow garnets and 2% f.g. clustered chalcocopyrite												
17969	Green and bronze, m.g., silicified, locally chloritic, brecciated intermediate volcanics with 50% clustered and intergrown m.g. sulphides including 15% sphalerite, 5% chalcocopyrite and 30% pyrite												
17970	Grey, bronze and silver, f.g., silicified and chloritic intermediate volcanic breccia with 50% m.g. clustered sulphides including 25% sphalerite, 15% galena, 5% chalcocopyrite and 5% pyrite												
17931	Grey and white, f.g., silicified, quartz feldspar porphyry tuff with 70% phenocrysts and pervasive pyrite-sericite matrix alteration including 10% v.f.g. pyrite												
17932													
17933	Grey and locally buff or black, f.g. to m.g., feldspar porphyry tuff with pervasive sericite-pyrite alteration including 5% f.g. clustered pyrite												
21150	Buff and bronze, f.g., brecciated intermediate volcanics with pervasive quartz-sericite-pyrite alteration, including 15% v.f.g. disseminated to stringer pyrite												
21161	Maroon-grey, f.g. to m.g., silicified quartz feldspar porphyry with 15% epidote or chlorite altered phenocrysts and 5% v.f.g. disseminated to clustered pyrite												
21457	Grey and green, f.g. to m.g., weakly magnetic, quartz feldspar porphyry with 15% epidote+/-quartz altered feldspar phenocrysts, trace v.f.g., rust-rimmed chalcocopyrite clusters												
21458	Grey, green and orange, m.g. to c.g., silicified, vuggy and rusty hydrothermal sulphide breccia with 5% m.g., rust-rimmed and pitted sulphide blebs consisting of 4% chalcocopyrite, 0.5% black mineral? and 0.5% pyrite												
19142	Grey-green and black, f.g., chloritic and epidotic, porphyritic intermediate volcanics with 1% disseminated sulphides mainly Py, trace Cpy												
19143	Brass and white m.g., locally chloritic, brecciated sulphide-quartz vein with 75% semi-massive and zoned sulphides consisting of 40% Cpy, 30% fractured Py, 5% Bo (rimming Cpy)												
19144	White, grey and green, f.g. to m.g., brecciated but locally banded (chalcedonic), quartz-chlorite-epidote-sulphide vein containing 20% clustered disseminated sulphides (mostly Py) plus traces v.f.g. Sph, Gal, Cpy in chalcedonic bands												
19145	White and dark green with brown specks, f.g., banded and brecciated, quartz-chlorite-sulphide vein containing 5% sulphides as disseminations and elongated clusters mainly in volcanic fragments consisting of 4.5% Py, 0.5% Cpy, trace Bo												
19146	Grey-green and brass, f.g. to m.g., fractured to semi-massive sulphide-quartz vein in chloritic intermediate volcanics containing 40% sulphides consisting of 20% Cpy (late), 15% Py (disseminated to fractured) and 5% Bo (thin veinlets in Cpy)												
19147	Grey, f.g., silicified intermediate volcanics with 15% sulphides as disseminations and clusters, consisting mainly of Py with traces Cpy and Bo												
19148	White, brass and black, f.g. vuggy, fractured, silicified intermediate volcanics with 50% zoned, brecciated, massive to disseminated, zoned sulphides consisting of 15% Py, 15% Cpy, 15% Sph, 5% Bo												
19149	Grey and brass, brecciated and locally vuggy and rusty, foliated, intermediate volcanics with 25% angular and zoned sulphide clasts consisting of 14% Py and 10% Cpy, 1% Bo												
19150	Grey-green and black, f.g., chloritic, intermediate volcanics with 75% vuggy, m.g. epidote-sericite-sulphide-calcite veining including 30% clustered disseminated and blebby sulphides consisting of 12% Py, 7% Gal, 7% Sph, 4% Cpy												
19001	Grey, black and white, f.g., chloritic, intermediate volcanics with 30% vuggy, m.g., quartz-calcite-sericite-sulphide veining including 5% Py, 0.5% Cpy, trace Gal												
19002	White and grey, m.g. to f.g., quartz-calcite-sericite-sulphide veining containing 10% altered volcanic fragments and 5% clustered f.g. sulphides including Gal, Sph, Py, Cpy												
19003	Grey-green, black and buff, chloritic, and locally rusty or malachitic, f.g. to m.g., intermediate volcanic breccia with 15% vuggy quartz-calcite-epidote-sulphide stringers containing 2% sulphides mainly Py, with traces Cpy, Chalcocite?, Malachite												
19004	Grey and brass, highly silicified, f.g. to m.g. intermediate to felsic volcanic breccia with 5% vuggy quartz-sulphides stringers and disseminated to clustered f.g. to m.g. sulphides totaling 15%, mainly Py, with traces of clustered Cpy mainly in stringers												

2010&2011 Rock Sample Geochemistry Highlights

Sample #	Easting	Northing	Elevation	Au(ppm)	Ag(ppm)	Bi(ppm)	Ca(%)	Cd(ppm)	Cu(ppm)	Fe(%)	Ga(ppm)	Hg(ppm)	In(ppm)	Mo(ppm)	Pb(ppm)	S (%)	Se(ppm)	Te(ppm)	W(ppm)	Zn(ppm)	Target	Sample Type	Width m	Length m	Au g/t	Ag g/t	Cu %	Pb %	Zn %	
8801	385996	5413142	370	<0.01	<0.5	<0.5	4.66	<0.5	45.8	5.48		0.1									83	EM Anomaly	select outcrop grab	0.1						
17927	384036	5409717	693	0.001	0.07	0.04	0.11	0.14	7.9	1.79	2.33	<0.01	0.012	0.65	6.6	1.38	0.4	<0.01	0.08	<0.5	47	E. Main Grid	select float grab	0.25						
17928	384066	5409715	713	0.113	0.88	0.04	0.05	18.35	373	1.66	2.23	0.82	0.016	17.8	3110	1.03	0.9	<0.01	0.07	3710	83	E. Main Grid	select float grab	0.6	0.113	0.88	0.04%	0.31%	0.37%	
17929	383661	5410481	435	0.008	0.45	0.33	0.07	0.06	2950	3.91	3.11	0.05	0.011	1.9	13.6	2.2	7.3	0.49	0.06	63	Camp Creek	select grab	0.015	0.008	0.45	0.29%				
17930	383651	5410465	431	0.097	17.2	1.97	<0.01	0.43	153000	16.9	1.49	0.39	0.238	5.21	70.2	7.23	164.5	2.22	0.08	20	Camp Creek	select grab	0.055	0.097	17.2	15.30%				
17968	386040	5414014	435	0.116	6.25	2.85	2	1.4	19950	18.25	2.12	0.2	0.18	2.05	7.6	1.82	18.9	0.85	11.1	65	Avallin	select float grab	0.25	0.116	6.25	1.99%				
17969	383924	5412084	571	0.038	11.75	6.6	0.03	282	24600	28	5.08	5.81	0.192	2.27	116	>10.0	21.9	11.5	1.24	48800	Jasper	select float grab		0.038	11.75	2.46%	0.01%	4.88%		
17970	383658	5409328	444	0.149	27.1	0.1	0.04	3200	19350	7.56	14.6	1.92	0.035	0.54	128500	>10.0	52.2	17.4	0.11	259000	Pan South	select float grab		0.149	27.1	1.93%	12.85%	25.90%		
17931	385257	5410512	713	0.001	0.05	0.03	0.35	0.09	40.1	6.05	4.39	1.45	0.034	1.38	3.4	4.42	4.7	2.39	<0.05	0.8	EM Anomaly	select outcrop grab								
17932	385260	5410509	714	0.001	0.03	<0.01	2.44	0.06	37.6	5.98	12.35	0.37	0.046	0.16	0.6	0.86	0.7	0.06	<0.05	0.5	EM Anomaly	select outcrop grab								
17933	385527	5410231	720	0.007	0.11	0.04	0.36	1.61	51.6	8.46	9.09	0.18	0.051	2.42	8.1	1.69	4.2	0.04	<0.05	<0.5	EM Anomaly	select outcrop grab								
21150	383786	5411083	536	0.004	0.15	0.59	0.05	0.02	39.8	6.75	0.79	1.17	<0.005	1.32	5.1	7.98	8.8	2.61	<0.05	0.5	Upper 4M. Ck	select outcrop grab								
21161	383997	5410843	659	0.001	0.12	0.45	0.22	0.02	7.9	3.36	3.99	0.17	0.018	1.69	2.3	2.3	0.6	0.28	0.14	2.4	Soil Anomaly	select float grab								
21457	383430	5411370	506	0.002	0.09	0.01	1.68	0.04	321	7.25	12.3	0.01	0.032	0.32	0.9	0.17	0.7	0.02	0.09	13.9	Soil Anomaly	select outcrop grab								
21458	383341	5411311	508	0.02	10.55	0.61	0.03	0.19	10100	4.95	2.49	0.15	0.098	0.38	3.2	1.63	26.3	1.04	0.08	2.6	Soil Anomaly	select outcrop grab			0.02	10.55	1.01%			
19142	383882	5409734	572	0.01	0.39	0.07	1.2	0.51	107.6	5.23	15.13		0.05	0.45	26.2	0.695	<1.0	0.08	0.5	194	Soil Anomaly	select outcrop grab	0.1	1	0.01	0.39	0.01%	0.00%	0.02%	
19143	383740	5410021	553	0.207	61.45	4.61	0.05	2.24	81500	>10	7.83		0.02	3.02	132.7	>10	110.3	10.7	0.2	205	Upper Camp Creek Road	select outcrop grab	1	1	0.207	61.45	8.15%	0.01%	0.02%	
19144	383743	5410016	547	0.121	7.88	1.04	0.78	3.45	913.1	6.55	4.59		0.02	17.26	99.1	5.419	5	0.71	0.2	533	Upper Camp Creek Road	select outcrop grab	0.5	1	0.121	7.88	0.09%	0.01%	0.05%	
19145	383847	5409905	595	0.019	3.04	0.36	0.19	0.47	3426.9	2.7	3.41		0.02	1.91	51.2	1.271	4.8	0.44	0.2	73	Upper Camp Creek Road	select outcrop grab	0.15	1	0.019	3.04	0.34%	0.01%	0.01%	
19146	383850	5409911	596	0.041	34.4	0.56	0.09	2.92	83800	>10	8.4		0.11	5.46	65.8	>10	111.7	1.9	0.4	155	Upper Camp Creek Road	select outcrop grab	0.75	1	0.041	34.4	8.38%	0.01%	0.02%	
19147	383667	5409486	432	0.136	48.2	1.94	0.07	582.19	73400	>10	5.17		0.03	2.67	1391.8	>10	15.3	2.14	0.2	160000	Pan North	select outcrop grab	0.5	1	0.136	48.2	7.34%	0.14%	16.00%	
19148	383666	5409484	431	0.047	7.15	0.8	0.1	137.11	11800	>10	13.22		0.04	2.09	77.3	9.356	7.6	1.64	0.7	42100	Pan North	select outcrop grab	1	0.047	7.15	1.18%	0.01%	4.21%		
19149	383704	5409382	456	0.214	34.49	4.61	0.05	4.63	59300	>10	8.77		0.15	236.39	433.5	>10	72.6	7.85	0.8	1122	Upper Pan	select outcrop grab	0.5	2	0.214	34.49	5.93%	0.04%	0.11%	
19150	383666	5409332	435	0.042	17.68	0.16	1.21	>1000	9484.4	>10	14.84		0.04	7.08	200700	9.2	11	1.16	0.3	96100	Upper Pan	select outcrop grab	1.25		0.042	17.68	0.95%	20.07%	9.61%	
19001	383663	5409332	434	0.087	6.68	0.04	1.49	332.03	2701.4	>10	21.92		0.03	3.33	5179.9	4.772	2.5	0.3	0.5	37100	Pan South	continuous representative outcrop chips	0.9	6	0.087	6.68	0.27%	0.52%	3.71%	
19002	383660	5409334	433	0.072	7.75	0.07	6.08	797.07	3878.6	8.27	16.2		0.03	3.14	67100	0.442	7.4	1.71	0.3	91100	Pan South	continuous representative outcrop chips	0.5		0.072	7.75	0.39%	6.71%	9.11%	
19003	383703	5411180	510	0.035	2.5	1.74	2.94	3.44	6372.5	8.23	14.8		0.08	2.19	130.6	2.241	1.8	1.72	1.5	525	Log Sort	continuous representative outcrop chips	2	2	0.035	2.5	0.64%	0.01%	0.05%	
19004	383705	5411180	510	0.055	3.1	4.59	0.47	4.92	4302.4	>10	11.61		0.09	11.24	600.1	6.497	5.4	4.87	0.8	648	Log Sort	continuous representative outcrop chips	2		0.055	3.1	0.43%	0.06%	0.06%	



Certificate of Analysis

11-360-05851-01

Inspectorate Exploration & Mining Services Ltd.
 #200 - 11620 Horseshoe Way
 Richmond, British Columbia V7A 4V5 Canada
 Phone: 604-272-7818

<p style="text-align: center;">Distribution List</p> <p>Attention: Jacques Houle 6552 Peregrine Road, Nanaimo, BC V9V 1P8 Phone: 250-390-3930 EMail: jhoule06@shaw.ca</p> <p>Attention: Amd Burgert EMail: amd.burgert@telus.net</p>	<p style="text-align: center;">Submitted By: Mineral Exploration Consulting 6552 Peregrine Road, Nanaimo, BC V9V 1P8</p> <p style="text-align: center;">Attention: Jacques Houle</p> <p style="text-align: center;">Description:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Location</td> <td style="width: 20%;">Samples</td> <td style="width: 15%;">Type</td> <td style="width: 35%;">Preparation Description</td> </tr> <tr> <td>Vancouver, BC</td> <td style="text-align: center;">13</td> <td>Rock</td> <td></td> </tr> </table> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Location</td> <td style="width: 30%;">Method</td> <td style="width: 40%;">Description</td> </tr> <tr> <td>Vancouver, BC</td> <td>Zn-4A-OR-AA</td> <td>Zn, Ore Grade, 4 Acid, AA</td> </tr> <tr> <td>Vancouver, BC</td> <td>50-4A-UT</td> <td>50 Element, 4 Acid, ICPMS, Ultra Trace Level</td> </tr> <tr> <td>Vancouver, BC</td> <td>Au-1AT-AA</td> <td>Au, 1AT Fire Assay, AAS</td> </tr> <tr> <td>Vancouver, BC</td> <td>Pb-4A-OR-AA</td> <td>Pb, Ore Grade, 4 Acid, AA</td> </tr> <tr> <td>Vancouver, BC</td> <td>Cu-4A-OR-AA</td> <td>Cu, Ore Grade, 4 Acid, AA</td> </tr> </table>	Location	Samples	Type	Preparation Description	Vancouver, BC	13	Rock		Location	Method	Description	Vancouver, BC	Zn-4A-OR-AA	Zn, Ore Grade, 4 Acid, AA	Vancouver, BC	50-4A-UT	50 Element, 4 Acid, ICPMS, Ultra Trace Level	Vancouver, BC	Au-1AT-AA	Au, 1AT Fire Assay, AAS	Vancouver, BC	Pb-4A-OR-AA	Pb, Ore Grade, 4 Acid, AA	Vancouver, BC	Cu-4A-OR-AA	Cu, Ore Grade, 4 Acid, AA
Location	Samples	Type	Preparation Description																								
Vancouver, BC	13	Rock																									
Location	Method	Description																									
Vancouver, BC	Zn-4A-OR-AA	Zn, Ore Grade, 4 Acid, AA																									
Vancouver, BC	50-4A-UT	50 Element, 4 Acid, ICPMS, Ultra Trace Level																									
Vancouver, BC	Au-1AT-AA	Au, 1AT Fire Assay, AAS																									
Vancouver, BC	Pb-4A-OR-AA	Pb, Ore Grade, 4 Acid, AA																									
Vancouver, BC	Cu-4A-OR-AA	Cu, Ore Grade, 4 Acid, AA																									

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him and based on an evaluation of all engineering data which is available concerning any proposed project. For our complete terms and conditions please see our website at www.inspectorate.com.

By _____
Mike Caron, Lab Manager



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Sample Description	Sample Type	Au	Pb	Zn	Cu	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co
		Au-1AT-AA ppm 0.005	Pb-4A-OR-AA % 0.01	Zn-4A-OR-AA % 0.01	Cu-4A-OR-AA % 0.01	50-4A-UT ppm 0.01	50-4A-UT % 0.01	50-4A-UT ppm 0.2	50-4A-UT ppm 5	50-4A-UT ppm 0.05	50-4A-UT ppm 0.01	50-4A-UT % 0.01	50-4A-UT ppm 0.02	50-4A-UT ppm 0.01	50-4A-UT ppm 0.1
19001	Rock	0.087		3.71		6.68	6.29	31.5	566	0.30	0.04	1.49	332.03	10.04	10.1
19002	Rock	0.072	6.71	9.11		7.75	4.20	19.4	566	0.36	0.07	6.08	797.07	14.80	9.9
19003	Rock	0.035				2.50	7.12	7.8	476	0.48	1.74	2.94	3.44	20.60	16.5
19004	Rock	0.055				3.10	5.15	10.7	409	0.21	4.59	0.47	4.92	11.13	21.6
19142	Rock	0.010				0.39	7.80	7.7	2684	0.79	0.07	1.20	0.51	26.36	18.4
19143	Rock	0.207			8.15	61.45	1.07	63.4	42	<0.05	4.61	0.05	2.24	3.64	177.2
19144	Rock	0.121				7.88	1.23	16.9	153	0.46	1.04	0.78	3.45	12.76	17.7
19145	Rock	0.019				3.04	1.34	7.1	729	0.19	0.36	0.19	0.47	18.37	11.2
19146	Rock	0.041			8.38	34.40	3.22	14.0	159	0.21	0.56	0.09	2.92	8.57	46.9
19147	Rock	0.136		16.00	7.34	48.20	0.76	5.4	129	<0.05	1.94	0.07	582.19	1.94	7.7
19148	Rock	0.047		4.21	1.18	7.15	5.81	4.2	216	0.30	0.80	0.10	137.11	9.77	17.3
19149	Rock	0.214			5.93	34.49	2.68	59.5	117	0.09	4.61	0.05	4.63	5.93	182.5
19150	Rock	0.042	20.07	9.61		17.68	3.83	18.1	443	0.25	0.16	1.21	>1000	8.68	10.0



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Sample Description	Sample Type	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo
		50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT %	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT %	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT %	50-4A-UT ppm
19001	Rock	29	0.21	2701.4	>10	21.92	0.90	1.0	0.03	0.73	4.9	9.4	4.99	>10000	3.33
19002	Rock	26	0.24	3878.6	8.27	16.20	0.53	0.6	0.03	0.57	7.8	7.2	2.98	>10000	3.14
19003	Rock	75	1.53	6372.5	8.23	14.80	1.18	1.3	0.08	1.28	9.2	4.8	2.27	3427	2.19
19004	Rock	80	1.31	4302.4	>10	11.61	0.63	0.8	0.09	1.42	4.7	4.6	1.73	1691	11.24
19142	Rock	54	0.57	107.6	5.23	15.13	0.62	1.8	0.05	4.79	12.3	6.6	2.91	3074	0.45
19143	Rock	136	0.11	>10000	>10	7.83	0.36	<0.1	0.20	0.03	1.9	1.8	0.61	380	3.02
19144	Rock	182	0.16	913.1	6.55	4.59	0.84	0.1	0.02	0.10	7.3	6.2	0.89	858	17.26
19145	Rock	294	0.34	3426.9	2.70	3.41	0.57	0.2	0.02	0.40	10.3	4.7	0.44	424	1.91
19146	Rock	103	0.26	>10000	>10	8.40	0.44	0.9	0.11	0.51	3.8	7.1	1.88	1236	5.46
19147	Rock	146	0.17	>10000	>10	5.17	0.38	0.1	0.03	0.33	0.9	1.1	0.12	287	2.67
19148	Rock	85	0.51	>10000	>10	13.22	0.50	1.2	0.04	2.55	4.3	3.5	1.54	2147	2.09
19149	Rock	90	0.19	>10000	>10	8.77	0.42	1.3	0.15	0.31	2.6	5.2	1.55	1480	236.39
19150	Rock	32	0.23	9484.4	>10	14.84	0.65	0.6	0.04	1.05	4.2	5.3	2.37	7096	7.08



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Sample Description	Sample Type	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta
		50-4A-UT %	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT %	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm
19001	Rock	0.51	6.0	3.0	405	5179.9	17.4	<0.002	4.772	1.79	10.6	2.5	0.5	64.1	0.74
19002	Rock	0.25	3.5	2.2	195	>10000	15.9	<0.002	0.442	2.39	7.5	7.4	0.4	109.3	0.47
19003	Rock	0.36	5.4	11.6	795	130.6	49.7	0.003	2.241	1.77	21.8	1.8	0.6	314.1	0.75
19004	Rock	0.12	4.7	8.0	534	600.1	53.2	0.002	6.497	0.71	15.2	5.4	0.6	37.3	0.44
19142	Rock	0.47	7.3	12.7	813	26.2	122.1	<0.002	0.695	0.72	17.7	<1.0	0.9	120.6	0.94
19143	Rock	<0.01	1.3	6.4	12	132.7	1.0	0.003	>10	6.45	1.1	110.3	0.4	3.1	0.11
19144	Rock	<0.01	2.0	4.0	58	99.1	3.0	0.003	5.419	3.94	1.6	5.0	0.3	53.5	0.08
19145	Rock	<0.01	2.3	5.4	48	51.2	11.6	<0.002	1.271	3.06	2.0	4.8	0.4	28.2	0.14
19146	Rock	<0.01	2.6	8.8	330	65.8	17.9	0.003	>10	1.74	7.3	111.7	0.5	5.0	0.25
19147	Rock	0.01	1.0	2.9	76	1391.8	11.5	<0.002	>10	1.36	1.9	15.3	0.4	20.1	0.07
19148	Rock	0.65	4.3	4.8	473	77.3	71.1	0.002	9.356	0.66	15.5	7.6	0.7	37.8	0.48
19149	Rock	<0.01	3.3	6.6	345	433.5	11.5	0.089	>10	2.07	10.1	72.6	0.5	9.9	0.49
19150	Rock	0.08	2.2	3.5	219	>10000	25.9	0.002	9.200	5.66	7.2	11.0	0.4	106.6	0.43



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Sample Description	Sample Type	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr
		50-4A-UT ppm 0.05	50-4A-UT ppm 0.2	50-4A-UT % 0.005	50-4A-UT ppm 0.02	50-4A-UT ppm 0.1	50-4A-UT ppm 1	50-4A-UT ppm 0.1	50-4A-UT ppm 0.1	50-4A-UT ppm 2	50-4A-UT ppm 0.5
19001	Rock	0.30	2.0	0.188	0.14	0.4	183	0.5	6.4	>10000	26.0
19002	Rock	1.71	1.0	0.099	0.23	0.3	137	0.3	10.4	>10000	14.5
19003	Rock	1.72	2.6	0.313	0.20	0.6	223	1.5	12.7	525	30.7
19004	Rock	4.87	1.9	0.207	0.22	0.4	176	0.8	6.4	648	21.0
19142	Rock	0.08	3.0	0.295	0.81	0.9	184	0.5	17.0	194	50.5
19143	Rock	10.70	0.3	<0.005	0.12	0.1	68	0.2	3.6	205	1.9
19144	Rock	0.71	0.5	0.019	0.03	0.1	63	0.2	5.6	533	3.6
19145	Rock	0.44	0.6	0.025	0.06	0.1	59	0.2	2.8	73	5.9
19146	Rock	1.90	1.9	0.096	0.11	0.5	103	0.4	5.7	155	29.1
19147	Rock	2.14	0.3	0.029	0.07	<0.1	53	0.2	0.8	>10000	3.8
19148	Rock	1.64	1.8	0.268	0.36	0.6	156	0.7	6.1	>10000	33.8
19149	Rock	7.85	1.3	0.159	0.19	0.4	108	0.8	2.0	1122	20.6
19150	Rock	1.16	0.8	0.125	0.41	0.2	124	0.3	6.1	>10000	12.0



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Sample Description	Sample Type	Au	Pb	Zn	Cu	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co
		Au-1AT-AA ppm	Pb-4A-OR-AA %	Zn-4A-OR-AA %	Cu-4A-OR-AA %	50-4A-UT ppm	50-4A-UT %	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT %	50-4A-UT ppm	50-4A-UT ppm
19001	Rock	0.005	0.01	0.01	0.01	0.01	0.01	0.2	5	0.05	0.01	0.01	0.02	0.01	0.1
19001 Dup						6.68	6.29	31.5	566	0.30	0.04	1.49	332.03	10.04	10.1
QCV1108-00227-0002-BLK						6.71	6.24	31.5	568	0.31	0.04	1.50	338.10	10.04	10.0
QCV1108-00227-0003-BLK						<0.01	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02	<0.01	<0.1
STD-OREAS94-4A expected						<0.01	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02	<0.01	<0.1
STD-OREAS94-4A result						3.37					8.02				23.1
						3.89		8.5	390	2.59	8.02		0.24	85.98	22.1
19001	Rock	0.087													
19001 Dup		0.082													
QCV1108-00228-0002-BLK		0.007													
STD-OxD87 expected		0.417													
STD-OxD87 result		0.387													



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Sample Description	Sample Type	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo
		50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT %	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT %	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT %	50-4A-UT ppm
19001	Rock	29	0.21	2701.4	>10	21.92	0.90	1.0	0.03	0.73	4.9	9.4	4.99	>10000	3.33
19001 Dup		30	0.22	2717.2	>10	22.46	0.90	1.0	0.03	0.72	5.0	9.3	5.00	>10000	3.32
QCV1108-00227-0002-BLK		<1	<0.05	<0.2	<0.01	<0.05	<0.05	<0.1	<0.01	<0.01	<0.5	<0.2	<0.01	<5	<0.05
QCV1108-00227-0003-BLK		<1	<0.05	<0.2	<0.01	<0.05	<0.05	<0.1	<0.01	<0.01	<0.5	<0.2	<0.01	<5	<0.05
STD-OREAS94-4A expected				11400											
STD-OREAS94-4A result			6.07	>10000		18.60		3.9	1.12		40.2	24.0			1.09



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Sample Description	Sample Type	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta
		50-4A-UT %	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT %	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm
19001	Rock	0.51	6.0	3.0	405	5179.9	17.4	<0.002	4.772	1.79	10.6	2.5	0.5	64.1	0.74
19001 Dup		0.51	5.9	3.1	403	5204.3	17.3	<0.002	4.808	1.81	10.3	2.5	0.4	64.2	0.73
QCV1108-00227-0002-BLK		<0.01	<0.1	<0.2	<10	<0.5	<0.1	<0.002	<0.01	<0.05	<0.1	<1.0	<0.2	<0.2	<0.05
QCV1108-00227-0003-BLK		<0.01	<0.1	<0.2	<10	<0.5	<0.1	<0.002	<0.01	<0.05	<0.1	<1.0	<0.2	<0.2	<0.05
STD-OREAS94-4A expected						30.9			1.380	2.36		12.9	22.6		
STD-OREAS94-4A result			15.0	41.1		34.2	188.2	0.003	1.159	2.50	13.1	13.6	21.2	30.5	1.72



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Nanaimo, BC V9V 1P8

Sample Description	Sample Type	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr
		50-4A-UT ppm	50-4A-UT ppm	50-4A-UT %	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm
19001	Rock	0.30	2.0	0.188	0.14	0.4	183	0.5	6.4	>10000	26.0
19001 Dup		0.28	2.0	0.186	0.15	0.4	184	0.5	6.5	>10000	26.3
QCV1108-00227-0002-BLK		<0.05	<0.2	<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
QCV1108-00227-0003-BLK		<0.05	<0.2	<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
STD-OREAS94-4A expected										171	
STD-OREAS94-4A result		<0.05	23.1		0.80	3.1			24.2	169	104.5



Upper Pan Target Before Hand Trenching – June 23 2011



Upper Pan Target After Hand Trenching – June 27 2011



Pan South Showing After Trenching – July 13 2011



Log Sort Showing After Trenching – July 19 2011

2011 Jasper Assessment Report

Appendix 2 – Drill Data

Jasper Project Drill Core Log and Sample Record

Page 2						Hole Number:		11-JAS-03	
Interval (m)	Description	Rx	Sample No	From (m)	To (m)	Length (m)	Au g/t	Ag g/t	Cu ppm
29.3 to 30.8	Green with red specks, locally fractured, highly silicified, chloritic and epidotic, locally brecciated tuffaceous intermediate volcanics with 5% hematite+/-sulphide phenocrysts containing variable very fine grained Cpy (0.1% overall), and 15% barren epidote-quartz clusters and stringers @ 050 to LCA; RQD = 43%; core recovery = 95%	Vit	28586	29.3	30.8	1.5	<0.005	0.19	69.5
30.8 to 32.3	Green with red specks, locally fractured, highly silicified, chloritic and epidotic, locally brecciated tuffaceous intermediate volcanics with 5% hematite+/-sulphide phenocrysts containing variable very fine grained Cpy (0.1% overall), and 5% thin quartz-calcite stringers @010 to LCA; RQD = 23%; core recovery = 95%	Vit	28587	30.8	32.3	1.5	<0.005	0.16	119.1
32.3 to 33.8	Green with red patches increasing down-hole, locally fractured, highly silicified, chloritic, locally brecciated tuffaceous intermediate volcanics with 15% hematite+/-sulphide patches containing variable very fine grained Cpy (0.1% overall), and 5% thin quartz-calcite stringers @000, 075 to LCA; RQD = 30%; core recovery = 95%	Vit	28588	32.3	33.8	1.5	<0.005	0.17	64.9
33.8 to 35.2	Green and red, highly silicified, chloritic and hematitic, brecciated intermediate volcanics with 50% hematite-epidote breccia zones; negligible sulphides; 5% thin quartz-calcite stringers @ 050 to LCA; RQD = 39%; core recovery = 85%	Vib	28589	33.8	35.2	1.4	<0.005	0.13	31.1
35.2 to 36.9	Green and red, highly silicified, chloritic, hematitic, and epidotic, brecciated intermediate volcanics with 50% hematite-epidote breccia zones, 15% coarse epidote porphyroblasts; negligible sulphides; 10% quartz-calcite stringers @ 015 to LCA; RQD = 83%; core recovery = 100%	Vib	28590	35.2	36.9	1.7	<0.005	0.11	18.5
36.9 to 38.4	Green and red, weakly magnetic, highly silicified and hematitic, locally epidotic, locally brecciated tuffaceous intermediate volcanics; negligible sulphides; 5% epidote-calcite porphyroblasts; 5% thin quartz-calcite stringers @ 040 to LCA; RQD = 72%; core recovery = 100%	Vit	28591	36.9	38.4	1.5	<0.005	0.11	13.1
38.4 to 39.9	Green and red, highly silicified, chloritic, hematitic, and epidotic, brecciated intermediate volcanics with 50% hematite-epidote breccia zones; negligible sulphides; 10% quartz-calcite-epidote stringers @ 015, 070 to LCA; RQD = 65%; core recovery = 95%	Vib	28592	38.4	39.9	1.5	<0.005	0.21	12.6
39.9 to 41.3	Green and red, highly silicified, chloritic, hematitic, and epidotic, brecciated intermediate volcanics with 50% hematite-epidote breccia zones, 5% coarse epidote porphyroblasts; negligible sulphides; 10% quartz-calcite+/-epidote stringers @070,015 to LCA; RQD = 95%; core recovery = 100%; irregular, fuzzy contact @ 41.3 m.	Vib	28594	39.9	41.3	1.4	<0.005	0.13	44.7
41.3 to 43	Green, olive and locally red, chloritic, epidotic, locally rhodonic, fine to medium grained, porphyritic intermediate intrusive? with 25% mainly epidote-altered 2-6 mm. phenocrysts; 5% thin quartz-calcite-epidote stringers @ 000, 040 to LCA; trace sulphides mainly Py as clusters locally in phenocrysts; RQD = 45%; core recovery = 95%	lip	28595	41.3	43.0	1.7	<0.005	0.24	175.8
43 to 44.8	Green, olive and locally red, chloritic, epidotic, locally rhodonic, fine to medium grained, porphyritic intermediate intrusive? with 30% mainly epidote-altered 2-6 mm. phenocrysts; 5% thin quartz-calcite-epidote-rhodonite stringers @ 000, 030 to LCA; trace sulphides mainly Py as clusters locally in phenocrysts; RQD = 65%; core recovery = 95%	lip	28596	43.0	44.8	1.8	<0.005	0.13	59.3
44.8 to 45.4	Green, grey and bronze, chloritic, epidotic, finely banded, sheared quartz-calcite-sulphide vein @ 030 to LCA with 20% sulphides mainly Py, trace Cpy as clusters and seams; RQD = 17%; core recovery = 50%	Sv	28597	44.8	45.4	0.6	<0.005	0.16	25.4
45.4 to 47	Green, olive and locally red, chloritic, epidotic, locally rhodonic, brecciated fine to medium grained, porphyritic intermediate intrusive? with 25% mainly epidote-altered 2-6 mm. phenocrysts; 10% thin quartz-calcite-epidote-rhodonite stringers @ 050 to LCA; negligible sulphides; RQD = 15%; core recovery = 90%	lip	28598	45.4	47.0	1.6	<0.005	0.18	140.4
47 to 48.5	Green, olive and locally red, chloritic, epidotic, locally rhodonic, fine to medium grained, porphyritic intermediate intrusive? with 25% mainly epidote-altered 2-6 mm. phenocrysts; 5% thin quartz-calcite-epidote stringers @ 000,030, 060 to LCA; negligible sulphides; RQD = 18%; core recovery = 95%	lip	28599	47.0	48.5	1.5	<0.005	0.17	26.5
48.5 to 50	Green, olive and locally red, chloritic, epidotic, locally rhodonic, fine to medium grained, porphyritic intermediate intrusive? with 25% mainly epidote-altered 2-6 mm. phenocrysts; 5% thin quartz-calcite-epidote stringers @ 000,060 to LCA; negligible sulphides; RQD = 35%; core recovery = 95%; gradational contact? @ 50.0 m.	lip	28600	48.5	50.0	1.5	0.006	0.11	23.8
50 to 51.5	Dark green, red and black, weakly magnetic, chloritic, silicified and hematitic, fine grained, brecciated intermediate volcanics with 30% hematitic breccia zones; negligible sulphides; 10% thin quartz-calcite stringers @ 005, 050 to LCA; RQD = 32%; core recovery = 95%	Vib	109001	50.0	51.5	1.5	<0.005	0.49	33
51.5 to 53	Dark green, red and black, weakly magnetic, chloritic, silicified and hematitic, fine grained, brecciated intermediate volcanics with 30% hematitic breccia zones; negligible sulphides; 5% thin quartz-calcite stringers @ 020, 060 to LCA; RQD = 5%; core recovery = 90%	Vib	109002	51.5	53.0	1.5	<0.005	0.19	117.3
53 to 54.6	Dark green, red and black, weakly magnetic, chloritic, silicified and hematitic, fine grained, brecciated intermediate volcanics with 30% hematitic breccia zones; negligible sulphides; 10% thin quartz-calcite stringers @ 035, 080 to LCA; RQD = 13%; core recovery = 95%	Vib	109003	53.0	54.6	1.6	<0.005	0.28	81.1
54.6 to 55.8	Dark green, red and black, weakly magnetic, chloritic, silicified and hematitic, fine grained, brecciated intermediate volcanics with 30% hematitic breccia zones; negligible sulphides; 15% thin quartz-calcite stringers @ 045 to LCA; RQD = 0%; core recovery = 90%	Vib	109005	54.6	55.8	1.2	<0.005	0.15	24.3
55.8 to 56.7	Dark green, red, black and white, weakly magnetic, chloritic, silicified and hematitic, fine grained brecciated intermediate volcanics with 20% hematitic breccia zones; 1% sulphides mainly Cpy as clusters locally in stringers; 50% banded and brecciated quartz-calcite+/-sulphide stringers @ 045 to LCA; RQD =11%; RQD = 95%	Qv	109006	55.8	56.7	0.9	<0.005	0.31	18.5
56.7 to 58.2	Dark green, red and black, magnetic, chloritic, silicified and hematitic, fine grained, tuffaceous intermediate volcanics; negligible sulphides; 5% medium grained disseminated magnetite; 15% thin quartz-calcite stringers @ 020, 050 to LCA; RQD = 5%; core recovery = 90%	Vit	109007	56.7	58.2	1.5	<0.005	0.16	23.4
58.2 to 59.8	Dark green, red and black, magnetic, chloritic, silicified and hematitic, fine grained, tuffaceous intermediate volcanics; negligible sulphides; 5% medium grained disseminated magnetite; 15% thin to brecciated quartz-calcite stringers @ 000, 040 to LCA; RQD = 0%; core recovery = 65%	Vit	109008	58.2	59.8	1.6	<0.005	0.23	20.2
59.8 to 61.3	Dark green, red and black, magnetic, chloritic, silicified and hematitic, fine grained, tuffaceous intermediate volcanics; negligible sulphides; 5% medium grained disseminated magnetite; 5% thin quartz-calcite stringers @ 040 to LCA; RQD = 60%; core recovery = 95%; 61.0 m. - contact @065 with porphyritic intermediate intrusive (lip) to end of hole	Vit	109009	59.8	61.3	1.5	<0.005	0.18	59.5



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 #200 - 11620 Horseshoe Way
 Richmond, British Columbia V7A 4V5 Canada
 Phone: 604-272-7818

<p style="text-align: center;">Distribution List</p> <p>Attention: Jacques Houle 6552 Peregrine Road, Nanaimo, BC V9V 1P8 Phone: 250-390-3930 EMail: jhoule06@shaw.ca</p> <p>Attention: Amd Burgert EMail: amd.burgert@telus.net</p>	<p style="text-align: center;">Submitted By: Mineral Exploration Consulting 6552 Peregrine Road, Nanaimo, BC V9V 1P8</p> <p style="text-align: center;">Date Received: 12/15/2011 Date Completed: 01/25/2012 Invoice:</p> <p style="text-align: center;">Attention: Jacques Houle</p> <p style="text-align: center;">Project: Jasper Description: Lot#: Pan Core</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 20px;"> <thead> <tr> <th style="text-align: left;">Location</th> <th style="text-align: center;">Samples</th> <th style="text-align: left;">Type</th> <th style="text-align: left;">Preparation Description</th> </tr> </thead> <tbody> <tr> <td>Vancouver, BC</td> <td style="text-align: center;">7</td> <td>Pulp</td> <td>SP-PU/Handling of submitted samples</td> </tr> <tr> <td>Vancouver, BC</td> <td style="text-align: center;">3</td> <td>Reject</td> <td></td> </tr> <tr> <td>Vancouver, BC</td> <td style="text-align: center;">102</td> <td>Rock</td> <td>SP-RX-2K/Rock/Chips/Drill Core <2Kg</td> </tr> </tbody> </table> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 20px;"> <thead> <tr> <th style="text-align: left;">Location</th> <th style="text-align: left;">Method</th> <th style="text-align: left;">Description</th> </tr> </thead> <tbody> <tr> <td>Vancouver, BC</td> <td>Zn-4A-OR-AA</td> <td>Zn, Ore Grade, 4 Acid, AA</td> </tr> <tr> <td>Vancouver, BC</td> <td>50-4A-UT</td> <td>50 Element, 4 Acid, ICPMS, Ultra Trace Level</td> </tr> <tr> <td>Vancouver, BC</td> <td>Au-1AT-AA</td> <td>Au, 1AT Fire Assay, AAS</td> </tr> <tr> <td>Vancouver, BC</td> <td>Pb-4A-OR-AA</td> <td>Pb, Ore Grade, 4 Acid, AA</td> </tr> <tr> <td>Vancouver, BC</td> <td>WR-FS-ICP</td> <td>Whole Rock, Lithium Borate Fusion, ICP</td> </tr> </tbody> </table>	Location	Samples	Type	Preparation Description	Vancouver, BC	7	Pulp	SP-PU/Handling of submitted samples	Vancouver, BC	3	Reject		Vancouver, BC	102	Rock	SP-RX-2K/Rock/Chips/Drill Core <2Kg	Location	Method	Description	Vancouver, BC	Zn-4A-OR-AA	Zn, Ore Grade, 4 Acid, AA	Vancouver, BC	50-4A-UT	50 Element, 4 Acid, ICPMS, Ultra Trace Level	Vancouver, BC	Au-1AT-AA	Au, 1AT Fire Assay, AAS	Vancouver, BC	Pb-4A-OR-AA	Pb, Ore Grade, 4 Acid, AA	Vancouver, BC	WR-FS-ICP	Whole Rock, Lithium Borate Fusion, ICP
Location	Samples	Type	Preparation Description																																
Vancouver, BC	7	Pulp	SP-PU/Handling of submitted samples																																
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Vancouver, BC	Zn-4A-OR-AA	Zn, Ore Grade, 4 Acid, AA																																	
Vancouver, BC	50-4A-UT	50 Element, 4 Acid, ICPMS, Ultra Trace Level																																	
Vancouver, BC	Au-1AT-AA	Au, 1AT Fire Assay, AAS																																	
Vancouver, BC	Pb-4A-OR-AA	Pb, Ore Grade, 4 Acid, AA																																	
Vancouver, BC	WR-FS-ICP	Whole Rock, Lithium Borate Fusion, ICP																																	

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him and based on an evaluation of all engineering data which is available concerning any proposed project. For our complete terms and conditions please see our website at www.inspectorate.com.

For and on behalf of **Inspectorate Exploration and Mining Services Ltd**

By _____
 Sofia Devota – Operations Manager

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11-360-10352-01

Mineral Exploration Consulting
6552 Peregrine Road,
Nanaimo, BC V9V 1P8



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Canada

Sample Description	Sample Type	Au	Pb	Zn	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	LOI	MgO	MnO	Na2O	P2O5
		Au-1AT-AA ppm	Pb-4A-OR-AA %	Zn-4A-OR-AA %	WR-FS-ICP %	WR-FS-ICP %	WR-FS-ICP %	WR-FS-ICP %	WR-FS-ICP %	WR-FS-ICP %	WR-FS-ICP %	WR-FS-ICP %	WR-FS-ICP %	WR-FS-ICP %	WR-FS-ICP %
109001	Rock	<0.005													
109002	Rock	<0.005													
109003	Rock	<0.005													
109004	Pulp	<0.005													
109005	Rock	<0.005													
109006	Rock	<0.005													
109007	Rock	<0.005													
109008	Rock	<0.005													
109009	Rock	<0.005			17.25	0.02	4.93	<0.01	9.63	1.25	4.89	3.67	0.17	3.94	0.04
28578	Rock	<0.005													
28579	Rock	<0.005													
28580	Rock	0.006													
28581	Rock	0.006													
28582	Rock	0.008													
28583	Pulp	0.857		3.91											
28584	Rock	0.013													
28585	Rock	<0.005													
28586	Rock	<0.005													
28587	Rock	<0.005													
28588	Rock	<0.005			17.24	0.04	4.61	0.01	9.06	1.69	4.99	3.65	0.21	3.48	0.25
28589	Rock	<0.005													
28590	Rock	<0.005													
28591	Rock	<0.005													
28593	Reject	<0.005													
28594	Rock	<0.005													
28595	Rock	<0.005													
28596	Rock	<0.005													
28597	Rock	<0.005													
28598	Rock	<0.005			16.44	0.01	6.02	0.01	8.87	1.03	4.95	3.92	0.26	2.73	0.19
28599	Rock	<0.005													
28600	Rock	0.006													
18929	Rock	0.012													
18930	Rock	0.007													
18931	Rock	0.017													
18932	Rock	0.020													
18933	Rock	0.018													
18934	Rock	0.028													
18935	Rock	0.028													
18936	Reject	0.026													
18937	Rock	0.035													

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Sample Description	Sample Type	Au Au-1AT-AA ppm 0.005	Pb Pb-4A-OR-AA % 0.01	Zn Zn-4A-OR-AA % 0.01	Al2O3 WR-FS-ICP % 0.01	BaO WR-FS-ICP % 0.01	CaO WR-FS-ICP % 0.01	Cr2O3 WR-FS-ICP % 0.01	Fe2O3 WR-FS-ICP % 0.01	K2O WR-FS-ICP % 0.01	LOI WR-FS-ICP % 0.01	MgO WR-FS-ICP % 0.01	MnO WR-FS-ICP % 0.01	Na2O WR-FS-ICP % 0.01	P2O5 WR-FS-ICP % 0.01
18938	Rock	0.007													
18939	Rock	0.011													
18940	Rock	0.005			17.36	0.07	0.75	<0.01	8.68	2.51	5.07	3.87	0.33	3.06	0.30
18941	Rock	0.011													
18942	Rock	0.006													
18943	Rock	0.010													
18944	Rock	0.013													
18945	Rock	0.021													
18946	Pulp	<0.005													
18947	Rock	0.013													
18948	Rock	0.007													
18949	Rock	0.006													
18950	Rock	0.007			16.79	0.05	2.50	<0.01	8.26	3.34	5.75	3.18	0.24	1.99	0.28
19023	Rock	<0.005													
19024	Rock	<0.005													
19025	Rock	<0.005													
19026	Pulp	0.875		3.87											
19027	Rock	0.007													
19028	Rock	0.008													
19029	Rock	<0.005													
19030	Rock	<0.005													
19031	Rock	0.006													
19032	Rock	0.009													
19033	Rock	0.010													
19034	Rock	0.006													
19035	Rock	0.007													
19036	Rock	0.012													
19037	Reject	0.014													
19038	Rock	0.011													
19005	Rock	0.014													
19006	Rock	0.018													
19007	Rock	0.022													
19008	Rock	0.015													
19009	Rock	0.011													
19010	Rock	0.015			17.19	0.10	6.41	<0.01	7.82	2.19	6.18	3.71	0.36	2.55	0.23
19011	Rock	0.021													
19012	Rock	0.051	6.33	11.57											
19013	Rock	0.020													
19014	Rock	0.011													
19015	Pulp	<0.005													

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Nanaimo, BC V9V 1P8



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#200 - 11620 Horseshoe Way
Richmond, British Columbia V7A 4V5
Canada

Sample Description	Sample Type	Au Au-1AT-AA ppm 0.005	Pb Pb-4A-OR-AA % 0.01	Zn Zn-4A-OR-AA % 0.01	Al2O3 WR-FS-ICP % 0.01	BaO WR-FS-ICP % 0.01	CaO WR-FS-ICP % 0.01	Cr2O3 WR-FS-ICP % 0.01	Fe2O3 WR-FS-ICP % 0.01	K2O WR-FS-ICP % 0.01	LOI WR-FS-ICP % 0.01	MgO WR-FS-ICP % 0.01	MnO WR-FS-ICP % 0.01	Na2O WR-FS-ICP % 0.01	P2O5 WR-FS-ICP % 0.01
19016	Rock	0.013													
19017	Rock	0.007													
19018	Rock	0.010													
19019	Rock	0.015													
19020	Rock	0.019			18.37	0.05	4.67	<0.01	7.97	2.89	6.82	2.83	0.17	2.89	0.28
18928	Rock	0.021													
19021	Rock	0.023													
19022	Rock	0.009													
18028	Rock	<0.005													
18029	Rock	0.006													
18030	Rock	<0.005			15.58	0.13	4.28	<0.01	7.64	2.66	5.42	3.79	0.37	2.30	0.21
18031	Rock	<0.005													
18032	Rock	0.038													
18033	Rock	0.031													
18034	Rock	0.024													
18035	Rock	0.017			17.90	0.06	6.39	<0.01	8.06	2.78	8.68	2.84	0.18	3.88	0.20
19039	Rock	0.009													
19040	Rock	0.009			15.61	<0.01	3.53	0.01	7.21	3.19	5.23	3.33	0.30	3.31	0.01
19041	Rock	<0.005													
19042	Rock	0.008													
19043	Rock	0.013													
19044	Rock	0.017													
19045	Rock	0.025													
19046	Rock	0.050													
19047	Rock	<0.005													
19048	Pulp	0.007													
19049	Rock	0.008													
19050	Rock	0.021			15.06	0.08	5.07	0.01	8.45	1.79	5.60	4.58	0.49	1.91	0.21
19998	Pulp	0.898		3.88											
19999	Rock	0.019													
20000	Rock	0.017			17.72	0.04	5.63	<0.01	7.46	2.11	7.97	3.74	0.26	4.05	0.23
28592	Rock	<0.005													



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6552 Peregrine Road,

Nanaimo, BC V9V 1P8

Sample Description	Sample Type	SiO2	TiO2	Total	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
		WR-FS-ICP % 0.01	WR-FS-ICP % 0.01	WR-FS-ICP % 0.01	50-4A-UT ppm 0.01	50-4A-UT % 0.01	50-4A-UT ppm 0.2	50-4A-UT ppm 5	50-4A-UT ppm 0.05	50-4A-UT ppm 0.01	50-4A-UT % 0.01	50-4A-UT ppm 0.02	50-4A-UT ppm 0.01	50-4A-UT ppm 0.1	50-4A-UT ppm 1
109001	Rock				0.49	>10	1.5	915	0.78	<0.01	3.91	0.03	21.81	28.5	55
109002	Rock				0.19	>10	0.9	440	0.82	<0.01	3.41	0.04	19.06	24.3	59
109003	Rock				0.28	>10	1.5	436	0.78	<0.01	3.57	0.05	21.69	24.5	48
109004	Pulp				0.57	5.81	4.2	526	0.56	0.03	1.90	0.24	17.83	11.3	39
109005	Rock				0.15	9.26	1.8	401	0.74	<0.01	3.19	0.03	20.76	24.6	54
109006	Rock				0.31	9.68	2.4	379	0.76	<0.01	3.62	0.05	22.01	26.8	43
109007	Rock				0.16	>10	2.5	502	0.96	<0.01	3.86	0.05	23.85	27.0	52
109008	Rock				0.23	8.56	1.7	230	0.68	<0.01	4.86	<0.02	19.05	22.2	59
109009	Rock	51.97	1.07	98.83	0.18	>10	1.3	711	0.57	<0.01	3.94	0.04	18.25	24.3	54
28578	Rock				0.29	8.25	3.7	1531	0.98	0.03	4.03	0.07	32.08	18.7	50
28579	Rock				0.22	9.36	2.2	329	0.77	0.08	2.57	0.37	29.25	21.0	34
28580	Rock				0.21	9.29	3.3	443	0.78	0.26	2.37	0.09	26.42	19.9	45
28581	Rock				0.23	8.41	4.2	399	0.69	0.22	1.33	0.32	30.52	17.0	63
28582	Rock				0.32	9.22	5.4	637	0.62	0.52	0.86	0.15	27.69	21.3	66
28583	Pulp				65.74	3.87	486.0	56	0.63	23.19	1.83	243.11	22.37	18.5	38
28584	Rock				0.91	7.75	5.2	538	0.54	0.58	2.02	0.46	19.36	22.8	91
28585	Rock				0.29	9.99	2.1	239	0.56	0.03	2.67	0.10	21.15	22.6	51
28586	Rock				0.19	9.78	2.0	510	0.58	<0.01	4.36	0.02	20.89	21.2	56
28587	Rock				0.16	9.44	1.3	487	0.79	<0.01	3.05	0.06	21.39	22.6	41
28588	Rock	54.48	1.10	100.82	0.17	>10	0.8	399	0.88	<0.01	3.70	0.12	23.77	22.5	68
28589	Rock				0.13	>10	1.9	671	0.68	<0.01	2.33	0.04	20.82	22.1	40
28590	Rock				0.11	>10	1.9	739	0.84	0.01	4.16	0.09	19.99	23.7	58
28591	Rock				0.11	9.77	2.5	467	0.95	<0.01	3.91	0.04	19.78	25.8	57
28593	Reject				0.10	9.87	2.0	409	0.95	<0.01	4.79	<0.02	26.68	25.1	77
28594	Rock				0.13	9.95	2.4	437	0.98	<0.01	3.52	<0.02	20.77	24.2	50
28595	Rock				0.24	>10	1.6	270	0.68	<0.01	4.60	0.03	21.81	25.1	47
28596	Rock				0.13	>10	1.7	237	0.81	<0.01	3.46	<0.02	21.07	24.8	58
28597	Rock				0.16	7.77	5.9	193	1.14	0.14	6.71	0.06	29.01	28.6	81
28598	Rock	53.17	1.00	98.60	0.18	9.95	2.0	144	0.65	<0.01	4.73	<0.02	20.88	23.9	70
28599	Rock				0.17	9.60	1.3	183	0.73	<0.01	5.59	<0.02	21.27	22.7	77
28600	Rock				0.11	>10	1.7	225	0.70	<0.01	4.25	<0.02	19.79	23.7	53
18929	Rock				0.46	9.60	6.0	451	0.63	<0.01	4.31	0.07	22.03	23.7	56
18930	Rock				0.50	>10	5.9	569	0.63	<0.01	3.08	0.08	22.23	25.1	49
18931	Rock				0.97	>10	9.2	457	0.93	<0.01	2.13	0.06	24.00	24.6	46
18932	Rock				0.76	>10	10.4	588	0.96	<0.01	2.90	0.05	29.44	24.4	61
18933	Rock				0.58	>10	10.0	319	1.15	<0.01	0.82	0.09	19.82	35.6	44
18934	Rock				0.69	>10	6.8	326	1.11	<0.01	0.76	0.03	20.31	31.6	47
18935	Rock				0.62	>10	6.6	462	0.97	<0.01	0.73	0.03	35.01	32.2	45
18936	Reject				0.63	>10	6.4	567	0.95	0.01	0.72	0.09	30.29	32.3	51
18937	Rock				0.60	>10	6.6	1169	1.21	0.01	0.79	0.03	27.69	34.9	58



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6552 Peregrine Road,

Nanaimo, BC V9V 1P8

Sample Description	Sample Type	SiO2	TiO2	Total	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	
		WR-FS-ICP	WR-FS-ICP	WR-FS-ICP	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT	50-4A-UT
		%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
18938	Rock				0.46	9.51	3.3	763	1.45	<0.01	0.61	1.12	31.46	20.3	37	
18939	Rock				0.42	9.08	3.4	411	1.44	0.01	0.85	1.98	35.43	20.7	36	
18940	Rock	56.66	1.14	99.81	0.46	>10	4.1	734	1.16	<0.01	0.58	23.99	37.35	19.8	29	
18941	Rock				0.42	>10	4.9	839	1.14	<0.01	0.31	1.18	31.86	22.4	25	
18942	Rock				0.37	9.36	3.7	473	0.94	0.05	0.87	51.82	29.76	20.6	59	
18943	Rock				0.38	9.73	2.6	512	1.09	<0.01	1.45	17.07	29.02	21.0	44	
18944	Rock				0.49	8.78	4.7	413	0.95	0.22	1.77	3.00	29.85	20.3	57	
18945	Rock				0.74	7.53	23.3	179	0.77	0.87	0.51	6.93	15.62	34.8	101	
18946	Pulp				0.53	5.24	4.2	514	1.03	<0.01	2.08	0.28	19.49	12.2	43	
18947	Rock				0.69	9.51	4.2	449	0.94	<0.01	2.69	0.63	37.35	21.3	58	
18948	Rock				0.34	9.75	3.7	371	1.15	<0.01	3.44	1.79	32.27	22.8	42	
18949	Rock				0.73	8.45	2.7	445	0.92	0.02	1.49	0.90	26.77	20.9	51	
18950	Rock	55.27	1.12	98.77	0.39	9.07	2.7	509	1.05	0.12	2.13	0.59	24.84	20.4	48	
19023	Rock				1.08	>10	4.9	899	1.01	0.02	3.51	0.06	26.04	24.9	46	
19024	Rock				0.27	9.34	1.1	439	1.09	<0.01	4.17	0.07	28.33	21.3	43	
19025	Rock				0.24	8.57	2.7	306	1.31	<0.01	4.55	0.05	28.59	20.6	53	
19026	Pulp				64.98	3.75	492.9	70	0.63	25.96	1.95	222.74	22.89	18.0	43	
19027	Rock				0.95	9.66	11.7	507	1.38	0.09	3.16	0.13	29.86	20.7	32	
19028	Rock				0.50	9.33	16.1	477	1.05	0.08	3.54	0.10	28.49	20.4	38	
19029	Rock				0.59	9.87	8.3	540	1.01	0.04	4.76	0.05	28.79	19.3	43	
19030	Rock				0.22	8.63	4.2	547	1.13	0.02	4.04	0.04	27.87	20.7	44	
19031	Rock				0.39	8.47	5.2	1236	0.88	0.04	4.06	0.05	27.46	22.5	55	
19032	Rock				0.44	8.37	5.6	506	0.94	0.11	3.40	0.05	30.21	19.1	53	
19033	Rock				0.48	8.25	7.4	533	0.72	0.09	3.49	0.08	28.05	19.0	53	
19034	Rock				0.39	9.12	5.9	533	1.07	0.10	3.54	0.34	28.96	20.2	51	
19035	Rock				0.38	8.68	6.1	394	0.91	0.04	3.38	0.06	26.88	22.2	43	
19036	Rock				0.52	9.02	5.0	928	1.08	0.02	3.12	0.05	29.33	20.4	39	
19037	Reject				0.63	7.84	5.3	994	0.97	0.06	3.22	0.04	29.25	19.8	41	
19038	Rock				0.56	8.52	4.9	268	0.96	0.01	3.11	0.04	28.32	19.2	46	
19005	Rock				0.66	7.66	6.9	1250	0.78	0.05	1.09	9.75	26.37	26.2	46	
19006	Rock				1.63	8.22	10.1	417	0.87	0.10	4.55	88.99	22.33	19.7	53	
19007	Rock				0.85	8.79	7.2	177	0.64	0.03	3.58	16.14	20.45	19.9	48	
19008	Rock				0.87	8.34	5.4	1431	0.78	0.03	5.54	16.13	25.16	23.0	49	
19009	Rock				0.48	9.44	3.8	983	0.65	0.03	6.22	0.11	22.66	21.9	60	
19010	Rock	52.55	0.98	100.27	0.51	8.45	6.4	853	0.59	0.06	5.49	0.11	22.40	22.9	49	
19011	Rock				0.75	8.31	7.3	1295	0.65	0.04	5.22	1.73	23.83	23.9	44	
19012	Rock				9.57	5.71	14.1	128	0.46	0.15	3.97	881.78	23.08	17.8	57	
19013	Rock				2.85	7.96	6.8	268	0.77	0.03	4.10	4.82	21.76	27.1	51	
19014	Rock				0.60	8.11	9.2	1019	0.83	0.04	5.54	0.77	23.40	22.9	63	
19015	Pulp				0.51	4.76	4.4	515	0.81	0.08	2.27	0.26	18.25	12.0	48	



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6552 Peregrine Road,

Nanaimo, BC V9V 1P8

Sample Description	Sample Type	SiO2	TiO2	Total	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
		WR-FS-ICP % 0.01	WR-FS-ICP % 0.01	WR-FS-ICP % 0.01	50-4A-UT ppm 0.01	50-4A-UT % 0.01	50-4A-UT ppm 0.2	50-4A-UT ppm 5	50-4A-UT ppm 0.05	50-4A-UT ppm 0.01	50-4A-UT % 0.01	50-4A-UT ppm 0.02	50-4A-UT ppm 0.01	50-4A-UT ppm 0.1	50-4A-UT ppm 1
19016	Rock				0.55	8.03	6.3	677	0.81	0.05	6.03	0.55	21.37	25.8	46
19017	Rock				0.43	8.27	5.8	561	0.97	0.04	5.47	0.08	21.82	24.6	45
19018	Rock				0.48	9.09	7.4	581	0.96	0.02	2.79	0.12	22.45	25.5	49
19019	Rock				0.53	9.05	3.6	522	0.75	0.02	2.80	0.19	24.03	23.8	40
19020	Rock	51.35	1.05	99.34	0.54	8.28	5.5	468	0.81	0.02	4.07	0.11	25.80	23.1	61
18928	Rock				0.64	8.60	7.0	215	0.82	0.02	4.20	1.51	23.25	22.3	56
19021	Rock				0.57	8.11	4.2	476	0.69	0.03	4.16	0.09	26.28	22.6	57
19022	Rock				0.41	9.31	3.1	483	0.90	0.04	2.30	0.07	25.10	27.4	54
18028	Rock				0.25	8.02	3.5	1193	0.97	0.06	4.60	0.31	27.27	20.1	50
18029	Rock				0.42	7.29	5.0	1476	0.85	0.04	5.64	22.17	25.93	20.4	55
18030	Rock	57.63	0.85	100.86	0.26	7.85	4.0	1249	0.86	0.04	3.70	0.49	27.35	20.3	51
18031	Rock				0.26	7.73	3.3	889	0.80	0.07	3.71	1.82	27.20	20.4	53
18032	Rock				0.73	9.14	7.5	226	0.79	0.03	3.85	1.86	24.97	24.3	71
18033	Rock				0.62	8.39	6.5	298	0.76	0.01	3.53	0.53	23.62	24.7	53
18034	Rock				0.80	9.41	9.1	547	1.11	0.05	2.11	0.28	19.02	27.7	44
18035	Rock	48.75	1.00	100.73	0.70	9.41	7.4	533	0.87	0.02	5.40	0.27	23.95	25.6	62
19039	Rock				0.45	7.60	4.1	623	0.80	<0.01	3.13	0.06	27.40	19.8	58
19040	Rock	57.73	0.87	100.33	0.43	7.38	4.0	1114	0.83	0.01	2.76	0.05	26.61	18.2	55
19041	Rock				0.29	8.42	5.2	320	1.12	<0.01	2.75	0.05	26.37	20.2	42
19042	Rock				0.30	8.04	7.8	833	0.97	0.01	2.55	0.12	27.16	19.7	47
19043	Rock				0.61	8.84	8.0	799	0.95	0.26	0.71	1.03	24.37	21.8	45
19044	Rock				0.73	8.22	14.0	640	0.88	0.12	1.71	5.15	28.73	20.9	93
19045	Rock				0.97	7.33	16.3	98	0.72	0.49	3.05	42.22	18.84	27.7	97
19046	Rock				1.18	5.90	13.2	71	0.52	1.23	2.64	2.74	23.61	49.7	141
19047	Rock				0.43	7.96	3.8	714	0.82	0.06	4.01	11.05	29.93	19.0	77
19048	Pulp				0.69	5.09	4.9	511	0.80	0.08	2.07	0.34	19.04	11.7	41
19049	Rock				0.38	7.73	3.9	681	0.86	0.06	3.83	8.76	26.85	19.0	87
19050	Rock	54.68	0.85	98.78	0.34	8.07	4.7	735	0.94	0.04	4.41	20.02	25.90	18.9	71
19998	Pulp				66.61	3.45	464.6	65	0.70	24.49	2.03	230.02	21.45	18.5	44
19999	Rock				1.30	9.67	8.7	528	0.86	0.02	4.06	0.36	32.14	24.7	54
20000	Rock	49.42	1.00	99.63	0.71	9.15	6.2	330	0.86	0.03	4.93	0.22	31.10	21.7	51
28592	Rock				0.21	8.73	3.0	401	0.92	0.09	5.02	0.08	28.71	25.3	89



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Nanaimo, BC V9V 1P8

Sample Description	Sample Type	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na
		50-4A-UT ppm 0.05	50-4A-UT ppm 0.2	50-4A-UT % 0.01	50-4A-UT ppm 0.05	50-4A-UT ppm 0.05	50-4A-UT ppm 0.1	50-4A-UT ppm 0.01	50-4A-UT % 0.01	50-4A-UT ppm 0.5	50-4A-UT ppm 0.2	50-4A-UT % 0.01	50-4A-UT ppm 5	50-4A-UT ppm 0.05	50-4A-UT ppm 0.01
109001	Rock	0.57	33.0	7.13	17.43	0.89	2.1	0.06	1.08	<0.5	10.9	2.85	1415	0.45	2.63
109002	Rock	0.40	117.3	6.50	15.63	0.92	1.6	0.06	1.08	<0.5	13.1	2.95	1330	0.24	2.82
109003	Rock	0.62	81.1	6.43	17.64	0.97	1.9	0.06	1.35	<0.5	10.1	2.64	1172	0.19	2.44
109004	Pulp	0.79	27.8	2.50	10.57	0.91	1.2	0.03	0.88	5.1	14.6	0.97	474	3.26	2.17
109005	Rock	0.57	24.3	6.72	16.98	0.89	1.8	0.06	1.00	<0.5	8.8	2.61	1197	0.18	2.50
109006	Rock	0.59	18.5	6.39	18.60	0.75	1.5	0.06	1.13	<0.5	9.5	2.36	1086	0.20	2.68
109007	Rock	0.66	23.4	6.46	18.89	0.84	2.1	0.07	1.27	<0.5	10.6	2.57	1309	0.27	2.86
109008	Rock	0.30	20.2	6.41	15.69	0.94	1.6	0.06	0.49	<0.5	8.1	2.12	1299	0.23	2.83
109009	Rock	0.39	59.5	6.57	16.42	0.97	1.4	0.06	1.01	<0.5	10.9	2.51	1308	0.23	3.06
28578	Rock	0.71	42.0	5.75	15.89	0.72	1.9	0.06	1.27	8.5	7.3	1.93	2256	1.35	1.83
28579	Rock	0.90	46.4	5.75	18.18	0.81	2.2	0.05	1.63	4.3	7.1	2.07	2039	0.60	2.29
28580	Rock	0.69	21.9	6.46	17.40	0.62	1.6	0.06	1.78	4.6	8.3	2.30	2301	4.52	1.45
28581	Rock	0.64	21.7	6.33	16.89	0.54	1.6	0.06	1.43	6.4	7.8	2.33	2219	3.70	1.83
28582	Rock	0.78	18.5	6.60	17.70	0.52	1.5	0.06	2.78	2.1	8.6	2.27	1801	8.15	1.11
28583	Pulp	0.90	5257.2	8.93	13.75	2.22	1.0	3.20	0.70	<0.5	12.0	0.95	528	23.56	1.25
28584	Rock	0.73	55.3	6.47	14.91	0.37	1.3	0.05	2.54	<0.5	8.3	2.11	1742	18.64	0.66
28585	Rock	0.50	91.3	6.37	17.35	0.52	1.8	0.05	1.16	0.5	9.7	2.76	2628	0.67	2.91
28586	Rock	0.41	69.5	6.00	15.14	0.63	1.7	0.04	1.29	1.5	8.2	2.49	1649	0.19	2.43
28587	Rock	0.47	119.1	6.14	16.44	0.54	1.8	0.06	1.41	0.8	7.4	2.41	1591	0.15	2.68
28588	Rock	0.56	64.9	6.47	18.79	0.75	2.1	0.05	1.28	1.7	7.3	2.34	1708	0.17	2.61
28589	Rock	0.78	31.1	6.65	17.93	0.68	1.5	0.06	2.53	<0.5	7.1	2.59	1400	<0.05	1.84
28590	Rock	0.52	18.5	6.61	17.53	0.72	1.5	0.08	2.40	<0.5	6.9	2.24	1485	0.12	1.84
28591	Rock	0.71	13.1	6.64	18.43	0.75	1.5	0.08	2.34	<0.5	6.2	2.28	1473	0.15	1.60
28593	Reject	0.50	12.5	6.29	18.59	0.88	1.7	0.07	1.51	3.1	7.7	2.31	1518	0.15	1.98
28594	Rock	0.46	44.7	6.63	17.95	0.73	1.8	0.05	1.44	0.7	7.6	2.40	1340	0.09	2.46
28595	Rock	0.41	175.8	6.35	18.29	0.90	1.6	0.05	0.67	1.1	11.5	2.69	1622	0.08	2.48
28596	Rock	0.55	59.3	6.48	17.93	0.71	1.7	0.05	1.10	0.6	12.2	2.98	2115	0.07	2.62
28597	Rock	1.45	25.4	7.25	16.92	0.50	1.4	0.09	1.56	4.2	11.7	2.41	2206	0.16	0.87
28598	Rock	0.40	140.4	6.05	18.07	1.09	1.9	0.05	0.91	<0.5	10.3	2.72	2047	0.13	2.08
28599	Rock	0.38	26.5	6.39	18.42	1.14	1.9	0.05	0.63	<0.5	8.6	2.42	1688	0.15	2.12
28600	Rock	0.36	23.8	6.40	17.19	0.99	1.8	0.12	0.95	<0.5	10.5	2.79	1561	0.07	2.99
18929	Rock	0.62	72.0	6.20	17.12	0.68	1.4	0.05	0.87	1.5	6.0	1.60	1395	0.63	3.55
18930	Rock	1.36	88.2	6.29	18.82	0.42	1.7	0.05	1.22	2.2	9.0	2.49	1433	1.13	2.37
18931	Rock	1.45	90.4	6.19	20.15	0.47	2.0	0.05	1.74	1.3	6.4	2.02	1045	1.78	2.58
18932	Rock	1.10	89.7	5.85	18.90	0.47	1.8	0.06	2.19	6.7	5.7	1.69	1056	2.77	3.56
18933	Rock	1.39	90.9	7.02	22.33	0.46	1.4	0.05	3.70	<0.5	5.1	2.13	1049	3.12	0.15
18934	Rock	1.75	105.3	8.18	22.38	0.42	1.4	0.07	4.07	<0.5	7.4	2.47	1325	0.18	0.11
18935	Rock	1.39	27.7	8.52	23.16	0.69	1.3	0.08	3.67	<0.5	8.4	2.60	1657	0.06	0.38
18936	Reject	1.36	30.3	8.41	23.16	0.58	1.5	0.08	3.86	0.5	8.7	2.63	1614	<0.05	0.39
18937	Rock	0.99	164.4	8.44	23.41	0.67	1.3	0.08	3.59	<0.5	8.0	2.59	1758	<0.05	0.32



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Sample Description	Sample Type	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na
		50-4A-UT ppm 0.05	50-4A-UT ppm 0.2	50-4A-UT % 0.01	50-4A-UT ppm 0.05	50-4A-UT ppm 0.05	50-4A-UT ppm 0.1	50-4A-UT ppm 0.01	50-4A-UT % 0.01	50-4A-UT ppm 0.5	50-4A-UT ppm 0.2	50-4A-UT % 0.01	50-4A-UT ppm 5	50-4A-UT ppm 0.05	50-4A-UT ppm 0.01
18938	Rock	0.71	175.9	6.82	20.38	0.34	1.9	0.06	1.45	6.3	8.2	2.67	3214	0.44	2.33
18939	Rock	1.10	157.5	6.32	20.41	0.61	2.2	0.07	1.31	7.0	8.1	2.34	2610	0.52	2.48
18940	Rock	0.60	191.5	6.47	20.49	0.10	2.3	0.07	2.01	10.4	7.0	2.54	2730	0.32	2.21
18941	Rock	0.81	181.4	6.53	21.55	0.49	2.2	0.06	1.48	5.1	7.0	2.26	3115	1.06	2.29
18942	Rock	0.64	114.9	7.15	18.64	0.50	1.7	0.06	1.82	6.3	5.6	2.11	2793	1.80	2.34
18943	Rock	0.67	56.7	7.08	18.80	0.56	1.9	0.06	1.76	1.6	6.9	2.29	3123	2.58	2.62
18944	Rock	0.75	109.3	6.69	18.04	0.45	1.8	0.05	1.43	4.9	6.0	1.92	2924	5.59	2.02
18945	Rock	0.77	152.5	8.30	16.58	0.38	1.5	0.04	2.12	<0.5	7.3	2.10	2194	54.28	0.27
18946	Pulp	0.84	30.7	2.70	11.93	0.92	1.3	0.03	0.72	6.7	11.9	0.85	537	3.36	1.78
18947	Rock	0.56	109.1	6.43	20.66	0.62	1.6	0.07	1.54	7.2	6.5	1.94	1986	1.28	2.73
18948	Rock	0.58	124.5	6.66	20.36	0.52	1.6	0.06	1.57	5.8	6.5	1.97	2192	1.34	2.73
18949	Rock	1.07	65.9	5.86	20.21	0.58	1.7	0.06	1.81	4.3	5.9	1.90	2143	1.68	1.73
18950	Rock	1.44	19.4	6.23	20.86	0.47	2.0	0.06	1.54	4.2	6.9	1.98	2113	1.67	1.38
19023	Rock	0.62	99.5	6.20	22.53	1.10	1.6	0.06	1.84	1.7	9.0	2.09	2181	0.69	1.84
19024	Rock	0.68	42.8	5.67	19.69	0.99	2.1	0.05	0.87	5.1	10.3	2.38	2101	0.69	2.48
19025	Rock	0.59	52.6	5.63	18.98	0.92	1.7	0.05	0.75	5.9	8.3	2.23	1866	0.56	2.17
19026	Pulp	0.84	5061.9	9.16	14.38	2.39	1.9	2.96	0.63	<0.5	10.9	0.91	581	23.89	1.18
19027	Rock	0.60	60.9	6.18	19.78	0.94	2.3	0.06	1.76	5.5	8.8	2.34	1527	1.06	2.19
19028	Rock	0.51	44.2	6.37	18.72	0.53	1.7	0.06	1.77	4.9	6.5	1.87	1224	3.22	2.43
19029	Rock	0.51	53.3	5.87	18.98	0.80	1.9	0.05	1.17	7.9	8.9	2.19	1813	1.24	2.42
19030	Rock	0.53	52.7	5.19	18.90	0.94	2.0	0.05	1.15	5.4	8.1	2.21	1751	0.68	2.07
19031	Rock	0.44	38.3	5.69	18.91	0.70	1.5	0.05	1.09	4.9	7.8	1.88	1427	1.25	2.63
19032	Rock	0.42	35.7	5.70	19.93	0.74	2.2	0.06	1.35	6.6	7.5	1.95	1210	1.47	2.60
19033	Rock	0.35	64.3	5.48	19.04	0.78	1.4	0.06	1.40	6.9	6.4	1.78	1172	1.44	2.41
19034	Rock	0.42	102.8	5.55	19.02	0.73	1.5	0.07	1.53	6.1	8.5	2.26	1597	1.17	2.45
19035	Rock	0.40	65.2	5.39	18.99	0.82	1.4	0.06	1.39	5.9	6.6	1.89	1371	0.91	2.56
19036	Rock	0.34	49.7	5.61	18.94	0.74	1.5	0.06	1.91	4.7	7.1	1.93	1386	1.18	2.79
19037	Reject	0.37	49.4	5.60	18.28	0.85	2.0	0.06	1.57	6.4	5.7	1.78	1382	1.18	2.25
19038	Rock	0.35	61.1	5.43	18.07	0.90	2.2	0.06	1.65	3.9	7.1	1.88	1363	1.46	2.75
19005	Rock	1.00	405.2	5.83	18.54	0.72	1.7	0.06	2.01	5.0	7.2	2.59	4815	4.56	0.67
19006	Rock	0.64	871.0	6.28	19.00	0.80	1.3	0.05	1.75	1.2	7.3	2.58	6831	1.60	1.40
19007	Rock	0.64	335.1	5.49	17.99	0.60	1.3	0.05	1.56	1.0	6.9	2.50	6144	5.44	1.12
19008	Rock	0.83	120.2	5.42	19.56	0.91	1.8	0.06	1.65	2.2	5.7	2.35	5277	0.74	1.25
19009	Rock	0.66	90.1	5.24	18.97	0.78	1.9	0.05	1.39	2.8	7.0	2.20	3701	0.78	1.99
19010	Rock	0.73	83.1	5.51	18.54	0.84	1.7	0.06	1.30	2.9	6.3	2.18	3058	1.17	1.51
19011	Rock	0.87	115.9	5.40	18.39	0.82	1.8	0.05	1.71	3.8	5.7	2.21	4568	0.78	1.30
19012	Rock	0.56	1605.4	7.51	19.37	1.60	0.9	0.21	1.79	<0.5	5.7	2.12	5920	7.99	0.29
19013	Rock	0.76	73.3	5.33	17.44	0.73	1.8	0.04	1.45	1.1	5.7	1.93	3566	4.33	1.87
19014	Rock	1.12	97.2	5.38	19.76	0.72	2.0	0.05	1.32	2.1	6.1	2.32	4366	0.78	1.26
19015	Pulp	0.77	28.1	2.72	11.42	0.97	1.3	0.04	0.62	5.4	10.2	0.84	553	3.42	1.57



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6552 Peregrine Road,

Nanaimo, BC V9V 1P8

Sample Description	Sample Type	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na
		50-4A-UT ppm	50-4A-UT ppm	50-4A-UT %	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT %	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT %	50-4A-UT ppm	50-4A-UT ppm
19016	Rock	1.01	91.3	5.24	18.17	0.61	1.8	0.05	1.47	1.4	5.9	2.11	3265	1.71	1.30
19017	Rock	1.28	91.0	5.47	18.51	0.62	1.8	0.05	1.48	3.3	5.2	1.87	1857	1.31	1.42
19018	Rock	1.20	109.1	5.87	22.19	0.70	1.4	0.05	2.31	0.6	3.9	1.66	1254	5.52	1.58
19019	Rock	1.04	86.5	5.84	20.93	0.77	1.5	0.05	1.98	0.6	5.4	1.86	1415	0.60	1.80
19020	Rock	1.12	94.7	5.41	20.43	0.72	1.7	0.05	1.59	2.9	4.9	1.71	1346	0.42	1.54
18928	Rock	0.92	84.9	5.38	18.72	0.58	1.3	0.06	1.09	1.0	5.6	1.64	1305	1.83	3.34
19021	Rock	0.85	69.7	6.09	19.62	0.66	1.2	0.06	0.94	2.6	4.1	1.63	1536	0.52	1.71
19022	Rock	0.97	115.8	6.23	21.57	0.64	1.4	0.07	2.00	1.2	6.8	2.28	2201	0.23	1.64
18028	Rock	0.53	79.7	5.44	18.25	0.80	1.8	0.06	1.48	3.9	7.3	2.45	2841	3.17	1.31
18029	Rock	0.62	126.8	5.79	17.13	0.63	1.8	0.04	1.35	3.8	7.0	2.44	4235	3.32	1.26
18030	Rock	0.52	48.8	5.53	18.57	0.70	1.6	0.05	1.73	4.5	6.9	2.35	3205	1.71	1.43
18031	Rock	0.49	82.4	6.23	18.55	0.64	1.6	0.06	1.21	6.0	6.9	2.31	3261	2.82	1.36
18032	Rock	0.78	135.7	5.53	19.87	0.75	1.3	0.05	1.96	3.1	4.3	1.38	1476	5.67	2.30
18033	Rock	1.03	85.2	5.44	20.19	0.74	1.3	0.05	2.06	2.8	4.5	1.57	1443	2.44	2.10
18034	Rock	1.22	108.3	6.49	21.32	0.65	1.9	0.05	2.63	<0.5	4.8	1.95	1389	1.16	1.20
18035	Rock	0.96	92.8	5.92	20.31	0.61	1.4	0.06	1.76	3.1	5.0	1.73	1540	1.50	2.50
19039	Rock	0.36	54.8	5.33	18.67	0.82	1.9	0.05	1.67	6.7	5.7	1.83	1735	1.92	2.09
19040	Rock	0.36	60.3	4.80	17.31	0.74	1.9	0.05	1.78	6.6	5.4	1.82	2258	3.04	1.81
19041	Rock	0.49	51.5	5.43	18.76	0.65	1.6	0.06	1.86	4.9	6.2	2.16	2739	0.73	1.86
19042	Rock	0.44	49.7	5.73	18.40	0.68	1.7	0.04	2.05	6.3	4.8	1.89	3101	1.39	1.68
19043	Rock	1.06	202.5	6.62	20.65	0.77	1.2	0.07	2.08	6.4	5.0	1.88	2803	2.73	0.97
19044	Rock	1.24	62.2	6.19	18.48	0.59	2.1	0.05	1.97	6.8	7.6	2.64	3062	6.99	0.56
19045	Rock	0.83	349.7	8.51	17.18	0.68	1.1	0.05	1.84	<0.5	9.3	2.62	4058	15.37	0.37
19046	Rock	0.56	2930.8	12.25	16.13	0.87	1.0	0.07	1.05	<0.5	6.9	2.25	3068	11.42	0.52
19047	Rock	0.53	128.0	5.58	17.83	0.77	1.3	0.06	1.15	5.3	6.9	2.47	3516	1.80	1.44
19048	Pulp	0.81	31.4	2.63	11.96	1.02	1.1	0.04	0.71	6.0	11.5	0.86	493	3.48	1.80
19049	Rock	0.44	136.1	5.40	18.66	0.71	1.5	0.05	1.07	6.2	6.5	2.36	3400	1.54	1.47
19050	Rock	0.69	99.0	6.18	17.16	0.85	1.3	0.05	1.15	4.3	8.7	2.83	3908	2.59	1.21
19998	Pulp	0.85	5209.1	9.27	14.59	2.72	1.0	3.10	0.56	<0.5	9.5	0.90	547	24.41	1.00
19999	Rock	1.49	76.3	6.10	18.16	0.50	1.4	0.05	1.93	3.5	4.8	1.75	1279	1.43	2.51
20000	Rock	2.03	91.7	5.50	18.75	0.51	1.3	0.05	1.32	3.7	6.7	2.34	2084	1.44	2.30
28592	Rock	0.58	12.6	6.17	19.99	0.99	1.6	0.08	0.86	4.2	6.6	2.19	1450	0.29	1.64



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Nanaimo, BC V9V 1P8

Sample Description	Sample Type	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te
		50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT %	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm
109001	Rock	3.4	17.6	962	7.1	33.5	0.003	<0.01	0.29	26.8	1.3	1.0	284.6	0.69	<0.05
109002	Rock	3.0	12.8	821	5.5	23.7	0.003	<0.01	0.23	24.5	<1.0	0.8	301.0	0.25	<0.05
109003	Rock	3.3	11.3	757	6.7	42.9	0.002	<0.01	0.27	27.2	1.5	0.8	295.2	0.27	<0.05
109004	Pulp	3.2	22.6	581	7.9	22.3	0.006	0.015	0.70	10.1	1.7	0.7	242.3	0.26	<0.05
109005	Rock	3.2	11.5	754	6.3	35.4	0.006	<0.01	0.26	26.1	<1.0	0.9	299.3	0.24	<0.05
109006	Rock	3.6	11.7	660	6.6	40.0	0.005	0.185	0.24	26.6	<1.0	1.1	234.5	0.23	<0.05
109007	Rock	3.7	11.4	923	6.5	37.7	0.008	<0.01	0.25	30.4	1.8	1.0	332.0	0.25	<0.05
109008	Rock	2.9	9.3	832	8.7	15.4	0.006	0.027	0.37	24.2	<1.0	1.0	297.5	0.20	<0.05
109009	Rock	3.2	10.0	899	7.1	21.7	0.003	<0.01	0.34	24.2	<1.0	0.9	384.0	0.20	<0.05
28578	Rock	3.6	6.9	1285	20.5	44.4	0.006	1.060	0.51	18.3	<1.0	1.1	221.2	0.26	<0.05
28579	Rock	4.1	7.4	1336	23.1	60.6	0.004	1.029	0.47	20.2	1.3	1.1	167.5	0.29	<0.05
28580	Rock	3.6	7.1	1390	11.6	52.7	0.006	1.309	0.38	17.5	<1.0	1.0	135.8	0.26	0.27
28581	Rock	3.9	7.8	1359	15.2	49.8	0.009	1.395	0.36	18.3	1.2	1.1	121.9	0.27	0.19
28582	Rock	3.3	7.8	1207	13.8	83.0	0.008	2.555	0.29	18.5	<1.0	1.0	47.1	0.23	0.46
28583	Pulp	4.1	45.8	530	6157.4	21.8	0.018	8.382	111.74	7.1	89.5	52.4	151.7	0.19	0.29
28584	Rock	2.7	6.6	1187	33.0	72.6	0.012	3.048	0.29	14.8	<1.0	0.9	34.5	0.19	0.55
28585	Rock	3.3	14.9	1257	10.4	22.1	0.006	0.425	0.37	19.2	<1.0	0.8	290.3	0.23	0.05
28586	Rock	3.1	14.6	1205	8.0	28.3	0.002	0.143	0.38	20.0	<1.0	0.8	309.6	0.22	<0.05
28587	Rock	3.4	16.0	1237	7.6	29.5	0.003	0.110	0.27	20.9	<1.0	0.9	259.5	0.24	<0.05
28588	Rock	3.6	17.4	1201	7.7	41.9	0.002	<0.01	0.36	23.6	<1.0	0.9	277.7	0.25	<0.05
28589	Rock	3.5	11.9	873	6.2	61.8	0.005	<0.01	0.25	23.1	1.0	0.9	143.3	0.19	<0.05
28590	Rock	3.1	10.2	827	7.8	62.6	0.007	<0.01	0.45	22.3	<1.0	1.1	240.3	0.20	<0.05
28591	Rock	3.4	10.4	973	8.0	62.1	0.005	<0.01	0.36	24.3	<1.0	0.8	210.0	0.22	<0.05
28593	Reject	3.5	13.5	1012	9.1	43.9	0.005	<0.01	0.47	23.3	1.1	1.0	345.5	0.23	<0.05
28594	Rock	3.4	12.6	1056	7.3	34.6	<0.002	<0.01	0.26	22.3	1.3	0.8	306.7	0.23	<0.05
28595	Rock	3.2	10.3	973	10.7	14.3	0.003	<0.01	0.63	22.8	<1.0	0.7	516.5	0.20	<0.05
28596	Rock	3.1	9.8	956	11.1	28.9	0.005	0.038	0.53	24.6	1.1	0.9	373.2	0.20	<0.05
28597	Rock	2.3	8.1	786	18.2	54.4	0.007	2.342	0.51	18.9	2.7	0.7	164.4	0.16	0.16
28598	Rock	3.4	9.9	947	12.3	27.4	0.003	0.033	0.75	25.6	1.3	0.8	441.0	0.22	<0.05
28599	Rock	4.3	9.5	943	11.2	23.0	0.007	<0.01	0.83	25.3	<1.0	0.8	562.5	0.21	<0.05
28600	Rock	3.3	9.8	961	8.1	27.4	0.006	<0.01	0.54	23.7	1.7	0.8	429.8	0.21	<0.05
18929	Rock	4.0	12.6	1112	28.8	31.8	0.004	5.088	1.06	22.2	<1.0	0.8	432.0	0.26	<0.05
18930	Rock	4.0	12.0	1202	21.3	63.4	<0.002	5.317	0.74	22.9	1.0	0.7	338.9	0.25	<0.05
18931	Rock	5.0	13.9	1089	37.4	89.3	0.008	5.577	1.12	27.1	2.0	0.9	327.7	0.92	<0.05
18932	Rock	4.4	14.7	1135	36.3	71.5	0.005	5.225	1.36	25.2	2.6	0.9	386.1	0.34	<0.05
18933	Rock	4.3	28.9	726	32.8	140.4	0.013	4.996	0.85	29.9	2.6	0.9	70.8	0.31	<0.05
18934	Rock	4.4	20.9	701	30.4	133.6	<0.002	5.999	0.65	31.4	3.6	0.9	51.3	0.32	0.28
18935	Rock	4.8	21.5	529	19.4	129.5	0.005	5.339	0.55	37.6	3.4	1.0	80.8	0.30	0.31
18936	Reject	4.6	21.3	533	22.7	104.1	0.004	5.304	0.62	34.0	3.5	1.0	78.9	0.31	0.37
18937	Rock	4.7	24.0	578	23.5	93.5	0.004	4.725	0.71	33.3	3.4	1.0	65.8	0.30	0.69



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Sample Description	Sample Type	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te
		50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT %	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm
18938	Rock	4.1	9.4	1429	25.8	44.9	0.005	0.146	0.35	20.5	1.7	1.0	157.3	0.27	<0.05
18939	Rock	3.9	8.0	1264	47.7	51.4	0.003	0.694	0.43	20.9	<1.0	1.0	164.2	0.25	0.14
18940	Rock	4.5	8.0	1509	41.6	51.6	0.005	0.714	0.40	20.7	<1.0	1.1	164.7	0.28	0.09
18941	Rock	4.5	7.6	1422	43.3	67.6	0.006	0.365	0.34	23.0	<1.0	1.0	132.5	0.31	<0.05
18942	Rock	4.1	8.3	1373	26.1	58.5	0.005	4.041	0.50	20.3	1.6	1.0	122.0	0.26	0.16
18943	Rock	4.4	8.5	1447	27.0	68.5	0.006	4.818	0.53	21.3	1.0	1.0	133.5	0.28	0.18
18944	Rock	4.0	8.5	1382	21.8	67.8	0.006	4.277	0.53	19.4	1.7	0.9	119.3	0.26	0.21
18945	Rock	3.0	12.7	1065	34.7	84.4	0.004	4.729	0.73	17.5	3.9	0.9	25.5	0.19	1.50
18946	Pulp	3.6	24.4	577	9.3	24.4	0.004	0.011	0.83	11.2	1.4	0.8	249.4	0.24	<0.05
18947	Rock	4.2	8.5	1487	19.5	58.8	0.005	3.723	0.63	20.9	3.5	1.1	183.7	0.27	2.11
18948	Rock	4.3	8.0	1486	15.2	54.2	0.006	2.982	0.61	20.6	1.1	1.1	199.1	0.26	0.08
18949	Rock	4.1	8.5	1346	16.6	72.7	0.002	1.425	0.65	19.1	1.7	1.1	113.2	0.27	<0.05
18950	Rock	4.1	7.3	1453	14.9	92.5	0.005	2.107	0.49	20.4	<1.0	1.1	91.0	0.27	0.12
19023	Rock	4.4	9.7	1122	11.8	62.7	0.003	0.759	0.44	24.9	1.2	0.9	260.2	0.28	<0.05
19024	Rock	4.7	6.5	1141	5.6	27.5	0.005	0.280	0.25	21.2	1.2	0.9	330.9	0.30	0.26
19025	Rock	4.5	6.2	1093	7.0	23.4	0.005	0.659	0.33	20.8	<1.0	0.9	327.1	0.27	<0.05
19026	Pulp	4.9	44.0	549	6474.4	20.3	0.017	8.108	107.14	7.7	83.2	49.1	157.4	1.02	0.53
19027	Rock	5.3	6.8	1117	26.2	62.4	0.010	3.159	1.30	23.0	<1.0	1.1	289.6	0.65	0.06
19028	Rock	5.1	7.2	1505	23.8	64.1	0.010	4.762	1.01	23.2	<1.0	1.1	265.9	0.49	<0.05
19029	Rock	4.7	6.2	1329	14.1	35.8	0.006	1.679	0.50	22.2	<1.0	1.0	301.8	0.37	<0.05
19030	Rock	5.0	6.2	1097	7.3	37.4	0.006	0.608	0.33	21.5	<1.0	0.9	299.4	0.37	0.09
19031	Rock	5.0	6.7	1087	16.2	38.9	0.004	3.192	0.76	22.5	1.1	1.0	368.2	0.37	<0.05
19032	Rock	5.1	5.9	1093	21.8	53.7	0.006	3.999	1.10	23.9	1.2	1.0	371.5	0.39	<0.05
19033	Rock	4.8	5.9	1058	21.8	55.1	0.005	3.915	1.20	21.8	1.4	1.0	348.7	0.32	<0.05
19034	Rock	4.8	7.1	1133	24.3	54.6	0.007	2.750	1.01	22.6	1.9	1.2	335.8	0.36	<0.05
19035	Rock	4.8	6.7	1086	19.0	55.1	0.005	2.988	1.02	22.6	2.6	1.2	279.7	0.32	<0.05
19036	Rock	4.8	6.4	1122	26.5	60.4	0.007	3.665	1.09	23.7	2.0	1.0	343.7	0.32	<0.05
19037	Reject	5.5	6.4	1095	26.5	60.7	0.004	3.558	1.15	22.9	<1.0	1.0	330.2	0.95	0.08
19038	Rock	5.0	6.2	1108	31.5	56.1	0.007	3.684	1.33	21.7	<1.0	0.9	288.0	0.38	0.11
19005	Rock	5.2	16.4	1094	1158.6	69.2	0.007	0.948	0.58	21.6	<1.0	0.9	120.3	0.36	0.07
19006	Rock	3.7	12.2	931	5849.5	50.5	0.008	2.159	0.71	22.9	1.8	0.8	266.9	0.27	0.59
19007	Rock	4.0	12.3	1051	957.9	73.5	0.006	2.073	0.64	23.7	<1.0	0.8	248.5	0.28	0.27
19008	Rock	4.3	13.7	1072	197.4	55.4	0.007	0.864	0.58	24.4	<1.0	0.8	295.1	0.29	0.10
19009	Rock	4.1	12.9	1065	139.5	38.3	0.006	0.600	0.45	24.2	<1.0	0.8	354.2	0.27	0.09
19010	Rock	4.0	13.2	1052	52.5	43.4	0.006	1.072	0.47	24.0	<1.0	0.7	312.6	0.26	0.14
19011	Rock	4.2	13.4	1059	352.8	58.6	0.007	1.215	0.65	23.8	<1.0	0.8	287.9	0.26	<0.05
19012	Rock	2.4	8.6	578	>10000	51.2	0.009	4.780	3.12	13.3	11.0	0.8	293.8	0.17	2.57
19013	Rock	4.2	14.8	1130	637.8	55.6	0.010	2.450	0.86	22.3	<1.0	0.7	290.8	0.26	0.13
19014	Rock	4.4	13.7	1073	243.0	49.9	0.008	0.655	0.44	25.3	<1.0	0.8	272.6	0.28	<0.05
19015	Pulp	3.5	23.5	568	6.6	23.8	0.007	<0.01	0.75	11.1	<1.0	0.8	240.6	0.23	<0.05



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6552 Peregrine Road,

Nanaimo, BC V9V 1P8

Sample Description	Sample Type	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te
		50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT %	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm
19016	Rock	4.0	13.4	1083	83.6	54.0	0.008	1.399	0.48	22.9	<1.0	0.9	234.7	0.27	<0.05
19017	Rock	4.2	12.3	1059	24.6	58.6	0.004	2.036	0.60	24.7	<1.0	0.8	237.1	0.29	<0.05
19018	Rock	4.7	79.9	974	34.4	103.9	0.011	4.266	1.11	29.1	1.7	1.2	243.4	0.30	<0.05
19019	Rock	4.7	17.4	1044	31.8	82.6	0.005	3.588	1.01	25.7	<1.0	0.9	274.8	0.31	0.07
19020	Rock	4.6	12.5	1266	30.9	75.3	0.009	3.253	0.99	26.2	1.2	0.8	283.0	0.28	0.06
18928	Rock	4.2	13.2	1074	61.6	39.8	0.009	4.957	1.09	25.1	<1.0	1.0	352.6	0.26	<0.05
19021	Rock	4.4	12.9	1131	34.8	82.9	0.005	3.926	1.22	27.0	<1.0	0.8	278.4	0.27	<0.05
19022	Rock	4.7	16.4	972	17.8	80.7	0.008	2.074	0.56	27.9	<1.0	0.8	239.6	0.28	<0.05
18028	Rock	4.6	5.5	1042	19.1	48.1	0.005	0.325	0.50	22.3	<1.0	0.9	286.1	0.30	<0.05
18029	Rock	4.5	5.4	942	1417.4	48.8	0.003	1.275	0.55	20.9	1.2	0.9	247.5	0.27	0.09
18030	Rock	4.9	7.4	1023	73.9	55.9	0.009	0.966	0.47	22.7	<1.0	1.0	253.2	0.32	<0.05
18031	Rock	4.7	6.3	1045	62.8	48.4	0.010	0.745	0.39	22.7	<1.0	1.0	234.9	0.30	0.11
18032	Rock	4.4	13.5	1086	77.1	80.3	0.006	3.974	1.78	26.9	<1.0	0.8	290.8	0.26	0.08
18033	Rock	4.3	15.0	994	43.9	85.5	0.010	3.981	1.60	25.7	<1.0	0.8	225.6	0.25	0.12
18034	Rock	4.8	16.8	936	43.7	124.2	0.008	5.080	1.47	28.6	1.2	0.8	140.3	0.30	<0.05
18035	Rock	4.4	13.9	980	35.0	78.5	0.010	4.671	1.33	26.7	1.2	0.8	298.7	0.27	0.08
19039	Rock	4.7	6.1	984	23.1	64.9	0.007	2.463	0.74	22.0	<1.0	0.7	274.7	0.29	<0.05
19040	Rock	4.4	5.9	939	18.6	65.3	0.007	1.595	0.55	21.8	1.3	0.7	256.3	0.27	<0.05
19041	Rock	4.8	6.2	998	10.8	84.2	0.005	1.839	0.37	22.6	1.2	0.8	327.7	0.27	0.06
19042	Rock	4.9	6.4	1043	23.0	86.7	0.007	2.085	0.40	23.0	1.0	0.7	272.7	0.29	0.09
19043	Rock	5.0	12.5	1147	488.1	79.5	0.008	0.241	0.62	26.3	3.0	1.1	117.6	0.30	0.12
19044	Rock	5.5	14.1	1089	116.0	78.3	0.004	2.194	0.60	22.5	1.6	0.9	109.2	0.91	0.24
19045	Rock	3.5	11.6	798	1129.8	67.8	0.011	5.409	1.16	19.5	1.7	0.7	122.8	0.30	0.48
19046	Rock	3.1	7.5	663	287.6	44.0	0.010	9.695	0.60	15.5	3.8	0.7	154.2	0.24	1.58
19047	Rock	4.8	6.3	1024	986.7	47.0	0.010	0.582	0.61	21.5	1.2	0.9	263.9	0.32	<0.05
19048	Pulp	3.6	24.8	556	9.0	23.6	0.008	0.016	0.83	12.0	1.0	0.8	238.0	0.26	0.10
19049	Rock	4.6	8.9	961	995.6	43.2	0.008	0.600	0.56	21.0	<1.0	0.9	258.4	0.31	<0.05
19050	Pulp	4.6	9.2	1020	328.7	41.8	0.011	1.207	0.56	21.5	1.0	0.9	284.3	0.32	0.07
19998	Pulp	4.4	45.3	508	5998.0	21.8	0.020	7.986	113.72	7.4	88.1	49.0	147.5	0.20	0.33
19999	Rock	4.3	13.4	1012	54.4	96.4	0.007	5.411	1.31	27.3	<1.0	0.8	286.8	0.32	<0.05
20000	Rock	4.2	12.6	1080	28.4	53.1	0.008	2.778	0.62	26.8	<1.0	1.0	312.4	0.28	<0.05
28592	Rock	3.7	14.6	955	11.1	56.2	0.009	<0.01	0.53	25.7	1.9	0.9	324.2	0.23	<0.05



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6552 Peregrine Road,

Nanaimo, BC V9V 1P8

Sample Description	Sample Type	Th	Ti	Tl	U	V	W	Y	Zn	Zr
		50-4A-UT ppm 0.2	50-4A-UT % 0.005	50-4A-UT ppm 0.02	50-4A-UT ppm 0.1	50-4A-UT ppm 1	50-4A-UT ppm 0.1	50-4A-UT ppm 0.1	50-4A-UT ppm 2	50-4A-UT ppm 0.5
109001	Rock	1.6	0.586	0.16	0.5	347	0.5	19.8	104	47.2
109002	Rock	1.1	0.540	0.11	0.5	341	0.4	16.7	102	40.5
109003	Rock	1.4	0.536	0.19	0.7	347	0.4	18.0	92	48.8
109004	Pulp	2.1	0.263	0.19	0.8	121	27.4	11.9	45	36.1
109005	Rock	1.3	0.548	0.16	0.7	328	0.5	18.0	101	45.9
109006	Rock	1.1	0.534	0.17	0.5	321	0.5	17.9	85	37.8
109007	Rock	1.5	0.545	0.18	0.5	330	0.4	21.0	93	54.2
109008	Rock	1.2	0.518	0.08	0.5	315	0.5	15.8	83	44.8
109009	Rock	1.0	0.549	0.11	0.5	346	0.4	15.8	90	29.5
28578	Rock	1.8	0.469	0.21	0.7	250	0.5	20.8	199	43.2
28579	Rock	2.0	0.503	0.29	0.8	250	0.5	22.2	185	52.5
28580	Rock	1.5	0.490	0.26	0.7	263	0.5	18.6	185	33.5
28581	Rock	1.5	0.474	0.23	0.7	267	0.5	20.5	253	34.5
28582	Rock	1.5	0.373	0.35	0.7	242	0.5	15.8	172	31.5
28583	Pulp	2.1	0.156	13.10	2.0	108	0.9	10.2	>10000	28.5
28584	Rock	1.3	0.377	0.37	0.6	217	0.4	13.9	187	28.1
28585	Rock	1.2	0.530	0.16	0.7	306	0.6	16.0	222	37.7
28586	Rock	1.3	0.527	0.15	0.7	290	0.4	17.1	117	44.5
28587	Rock	1.2	0.548	0.16	0.7	294	0.4	17.4	130	41.9
28588	Rock	1.7	0.555	0.17	1.0	329	0.6	20.3	110	53.5
28589	Rock	1.1	0.540	0.32	0.6	304	0.4	15.7	123	43.9
28590	Rock	1.0	0.512	0.32	0.4	285	0.5	15.7	111	35.8
28591	Rock	1.0	0.520	0.38	0.5	310	0.5	16.5	105	32.1
28593	Reject	1.3	0.501	0.22	0.6	298	0.5	18.7	111	37.2
28594	Rock	1.1	0.557	0.21	0.5	314	0.4	18.7	112	40.6
28595	Rock	1.0	0.504	0.07	0.4	305	0.4	16.0	158	38.5
28596	Rock	1.1	0.496	0.14	0.4	312	0.4	16.7	201	44.0
28597	Rock	1.1	0.352	0.23	0.6	297	0.4	21.6	187	36.1
28598	Rock	1.3	0.509	0.11	0.5	313	0.4	18.0	165	45.5
28599	Rock	1.4	0.528	0.08	0.5	336	0.4	18.3	129	51.3
28600	Rock	1.3	0.527	0.13	0.5	341	0.4	17.5	123	46.6
18929	Rock	1.6	0.535	0.18	0.6	307	0.3	14.4	89	27.0
18930	Rock	1.9	0.555	0.37	0.7	346	0.4	15.9	109	44.1
18931	Rock	2.2	0.566	0.52	0.6	308	0.5	17.0	79	38.0
18932	Rock	2.2	0.540	0.39	0.8	323	0.5	17.7	80	44.0
18933	Rock	1.4	0.599	0.75	0.8	261	0.8	15.9	94	39.4
18934	Rock	1.4	0.611	0.70	0.5	206	0.7	15.3	107	36.9
18935	Rock	1.4	0.651	0.69	0.4	187	0.8	23.2	105	33.0
18936	Reject	1.6	0.651	0.73	0.5	185	0.8	20.4	103	36.2
18937	Rock	1.3	0.649	0.71	0.5	224	0.8	19.8	106	32.2



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6552 Peregrine Road,

Nanaimo, BC V9V 1P8

Sample Description	Sample Type	Th	Ti	Tl	U	V	W	Y	Zn	Zr
		50-4A-UT ppm 0.2	50-4A-UT % 0.005	50-4A-UT ppm 0.02	50-4A-UT ppm 0.1	50-4A-UT ppm 1	50-4A-UT ppm 0.1	50-4A-UT ppm 0.1	50-4A-UT ppm 2	50-4A-UT ppm 0.5
18938	Rock	1.7	0.528	0.25	0.8	307	0.6	22.4	658	44.8
18939	Rock	2.0	0.438	0.23	0.8	265	0.6	22.7	406	55.5
18940	Rock	1.9	0.569	0.28	1.0	304	0.6	29.0	1691	56.6
18941	Rock	2.0	0.566	0.34	1.0	296	0.6	25.2	512	49.3
18942	Rock	1.5	0.522	0.29	0.7	271	0.8	24.4	4557	36.4
18943	Rock	1.7	0.545	0.32	0.8	275	0.8	21.2	1391	45.2
18944	Rock	1.7	0.483	0.33	0.8	262	0.6	22.1	729	40.7
18945	Rock	1.5	0.354	0.37	0.7	236	0.6	15.2	991	42.6
18946	Pulp	2.1	0.261	0.21	0.9	131	28.5	12.1	48	36.6
18947	Rock	1.7	0.497	0.29	0.8	278	0.6	22.1	357	30.4
18948	Rock	1.6	0.505	0.26	0.8	291	0.5	21.5	444	34.8
18949	Rock	1.8	0.499	0.38	0.8	259	0.5	18.7	358	34.5
18950	Rock	2.1	0.516	0.44	1.0	279	0.5	18.6	273	43.2
19023	Rock	1.8	0.511	0.35	0.8	316	0.7	17.2	134	38.7
19024	Rock	2.3	0.430	0.15	1.1	288	0.4	18.3	124	55.1
19025	Rock	2.1	0.449	0.16	1.1	275	0.5	17.5	109	46.5
19026	Pulp	3.4	0.163	14.48	2.2	114	1.3	9.9	>10000	28.0
19027	Rock	2.6	0.479	0.45	0.8	280	0.7	19.7	109	53.3
19028	Rock	2.2	0.481	0.45	0.9	275	0.7	17.4	85	35.6
19029	Rock	2.3	0.462	0.27	1.0	286	0.6	19.2	114	49.8
19030	Rock	2.3	0.446	0.22	1.1	260	0.5	18.5	101	53.1
19031	Rock	1.9	0.463	0.27	0.9	267	0.5	17.6	86	30.6
19032	Rock	2.6	0.478	0.35	1.0	270	0.5	18.6	92	50.3
19033	Rock	1.7	0.448	0.33	0.8	252	0.5	17.6	115	26.3
19034	Rock	1.8	0.472	0.33	0.9	278	0.6	19.3	110	30.3
19035	Rock	1.8	0.449	0.31	0.8	260	0.4	18.3	92	28.3
19036	Rock	1.9	0.468	0.31	0.8	269	0.5	19.0	98	30.6
19037	Reject	2.5	0.468	0.36	0.9	262	0.6	19.7	95	30.9
19038	Rock	2.5	0.457	0.27	1.0	257	0.5	19.1	95	54.3
19005	Rock	1.6	0.489	0.46	0.7	303	1.0	17.2	1245	41.2
19006	Rock	1.4	0.444	0.32	0.7	293	1.1	16.4	7414	33.3
19007	Rock	1.3	0.486	0.52	0.7	297	1.2	15.6	1520	33.5
19008	Rock	1.9	0.509	0.31	0.9	304	1.0	18.3	1824	51.2
19009	Rock	2.1	0.504	0.20	0.9	302	0.9	18.2	131	51.8
19010	Rock	1.7	0.481	0.21	0.8	312	0.7	16.4	130	44.0
19011	Rock	1.8	0.493	0.31	0.8	305	1.0	17.6	433	49.6
19012	Rock	0.9	0.273	0.46	0.6	268	0.9	15.3	>10000	19.6
19013	Rock	1.8	0.471	0.35	1.3	293	0.9	15.5	795	44.0
19014	Rock	2.2	0.530	0.29	1.0	306	1.2	18.1	268	58.2
19015	Pulp	2.0	0.273	0.20	0.8	130	29.7	12.6	49	35.0



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6552 Peregrine Road,

Nanaimo, BC V9V 1P8

Sample Description	Sample Type	Th	Ti	Tl	U	V	W	Y	Zn	Zr
		50-4A-UT ppm 0.2	50-4A-UT % 0.005	50-4A-UT ppm 0.02	50-4A-UT ppm 0.1	50-4A-UT ppm 1	50-4A-UT ppm 0.1	50-4A-UT ppm 0.1	50-4A-UT ppm 2	50-4A-UT ppm 0.5
19016	Rock	1.8	0.482	0.29	1.0	296	1.0	16.1	202	44.1
19017	Rock	2.1	0.510	0.31	0.9	302	0.7	16.8	99	49.4
19018	Rock	1.6	0.575	0.50	0.6	306	1.0	14.9	88	32.2
19019	Rock	1.8	0.510	0.38	0.7	283	0.6	16.6	108	38.0
19020	Rock	1.9	0.539	0.35	0.9	307	0.6	19.3	91	45.1
18928	Rock	1.5	0.514	0.23	0.6	279	0.4	15.7	209	26.5
19021	Rock	1.6	0.549	0.37	0.6	319	0.6	17.5	94	24.6
19022	Rock	1.6	0.541	0.38	0.6	316	0.8	16.7	130	37.0
18028	Rock	1.8	0.441	0.25	0.9	254	0.8	17.8	219	45.1
18029	Rock	1.8	0.422	0.26	0.7	253	0.9	18.0	2943	46.5
18030	Rock	1.7	0.446	0.33	0.8	268	1.0	17.5	254	39.8
18031	Rock	1.7	0.460	0.23	0.8	290	0.8	18.2	378	36.8
18032	Rock	1.5	0.506	0.36	0.7	286	0.7	16.8	217	27.6
18033	Rock	1.5	0.488	0.40	0.7	270	0.7	16.3	121	30.0
18034	Rock	1.9	0.533	0.68	0.8	305	0.7	14.7	109	41.9
18035	Rock	1.5	0.504	0.37	0.6	318	0.5	15.7	106	29.7
19039	Rock	1.8	0.436	0.32	1.0	244	0.4	18.8	103	45.0
19040	Rock	2.1	0.402	0.35	0.9	234	0.6	18.2	120	48.0
19041	Rock	1.6	0.437	0.47	0.9	271	0.6	18.3	130	41.0
19042	Rock	1.9	0.450	0.46	0.9	273	0.7	18.8	144	49.6
19043	Rock	1.4	0.524	0.46	0.7	308	1.0	15.4	448	25.2
19044	Rock	2.3	0.476	0.42	0.8	295	1.5	16.5	454	37.5
19045	Rock	1.2	0.395	0.38	0.5	256	1.0	13.6	4598	21.9
19046	Rock	1.1	0.305	0.23	0.5	215	0.7	15.0	521	25.1
19047	Rock	1.5	0.438	0.22	0.8	259	0.8	18.1	1298	24.8
19048	Pulp	2.0	0.266	0.21	0.8	124	29.3	12.3	44	31.2
19049	Rock	1.4	0.414	0.23	0.8	251	0.8	17.0	1044	33.4
19050	Rock	1.5	0.441	0.23	0.8	264	0.9	16.4	2026	30.6
19998	Pulp	2.1	0.162	14.63	2.0	109	1.1	9.6	>10000	25.9
19999	Rock	2.0	0.519	0.44	1.1	292	0.5	19.4	102	27.9
20000	Rock	1.8	0.521	0.24	0.9	312	0.5	21.6	133	29.8
28592	Rock	1.3	0.507	0.28	0.6	282	0.5	19.8	104	31.8



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Nanaimo, BC V9V 1P8

Sample Description	Sample Type	Au Au-1AT-AA ppm	Pb Pb-4A-OR-AA %	Zn Zn-4A-OR-AA %	Al2O3 WR-FS-ICP %	BaO WR-FS-ICP %	CaO WR-FS-ICP %	Cr2O3 WR-FS-ICP %	Fe2O3 WR-FS-ICP %	K2O WR-FS-ICP %	LOI WR-FS-ICP %	MgO WR-FS-ICP %	MnO WR-FS-ICP %	Na2O WR-FS-ICP %	P2O5 WR-FS-ICP %
109001	Rock	<0.005													
109001 Dup		<0.005													
STD-OxJ80 expected		2.331													
STD-OxJ80 result		2.421													
28587	Rock	<0.005													
28587 Dup		0.007													
QCV1112-01511-0004-BLK		<0.005													
18934	Rock	0.028													
18934 Dup		0.031													
STD-OxJ80 expected		2.331													
STD-OxJ80 result		2.382													
19024	Rock	<0.005													
19024 Dup		0.007													
QCV1112-01511-0008-BLK		<0.005													
19008	Rock	0.015													
19008 Dup		0.016													
STD-Oxi81 expected		1.807													
STD-Oxi81 result		1.903													
18030	Rock	<0.005													
18030 Dup		0.007													
QCV1112-01511-0012-BLK		<0.005													
19998	Pulp	0.898													
19998 Dup		0.839													
QCV1112-01511-0014-BLK		<0.005													
STD-OxJ80 expected		2.331													
STD-OxJ80 result		2.341													
109009	Rock				17.25	0.02	4.93	<0.01	9.63	1.25	4.89	3.67	0.17	3.94	0.04
109009 Dup					17.05	0.07	4.84	<0.01	9.24	1.23	5.03	3.64	0.16	3.89	0.08
QCV1112-01514-0002-BLK					<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
QCV1112-01514-0003-BLK					<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
STD-SY-4 expected					20.69		8.05		6.21	1.66		0.54	0.11	7.10	0.13
STD-SY-4 result					20.37		8.17		6.28	1.71		0.53	0.11	7.30	0.12
28583	Pulp						3.91								
28583 Dup							3.66								
QCV1201-01078-0002-BLK							<0.01								

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Sample Description	Sample Type	SiO2	TiO2	Total	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
		WR-FS-ICP % 0.01	WR-FS-ICP % 0.01	WR-FS-ICP % 0.01	50-4A-UT ppm 0.01	50-4A-UT % 0.01	50-4A-UT ppm 0.2	50-4A-UT ppm 5	50-4A-UT ppm 0.05	50-4A-UT ppm 0.01	50-4A-UT % 0.01	50-4A-UT ppm 0.02	50-4A-UT ppm 0.01	50-4A-UT ppm 0.1	50-4A-UT ppm 0.1
109001	Rock				0.49	>10	1.5	915	0.78	<0.01	3.91	0.03	21.81	28.5	55
109001 Dup					0.30	>10	1.7	913	1.05	0.02	3.83	0.03	23.24	31.0	53
QCV1112-01510-0002-BLK					<0.01	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02	<0.01	<0.1	<1
STD-OREAS92-4A expected										2.44				16.3	
STD-OREAS92-4A result						8.63	5.4	471	2.63	2.44	0.54	<0.02	86.45	15.9	
28587	Rock				0.16	9.44	1.3	487	0.79	<0.01	3.05	0.06	21.39	22.6	41
28587 Dup					0.17	>10	1.3	496	0.84	<0.01	3.06	0.08	20.94	24.2	43
QCV1112-01510-0005-BLK					<0.01	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02	<0.01	<0.1	<1
STD-OREAS92-4A expected										2.44				16.3	
STD-OREAS92-4A result						8.32	5.7	477	2.85	2.57	0.57	<0.02	87.80	16.7	
18934	Rock				0.69	>10	6.8	326	1.11	<0.01	0.76	0.03	20.31	31.6	47
18934 Dup					0.74	>10	7.5	260	0.95	<0.01	0.75	0.03	20.52	31.7	44
QCV1112-01510-0008-BLK					<0.01	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02	<0.01	<0.1	<1
STD-CDN-ME-6 expected					101										
STD-CDN-ME-6 result					>100										
19024	Rock				0.27	9.34	1.1	439	1.09	<0.01	4.17	0.07	28.33	21.3	43
19024 Dup					0.19	9.11	1.2	439	0.99	<0.01	4.05	0.07	28.89	20.5	41
QCV1112-01510-0011-BLK					<0.01	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02	<0.01	<0.1	<1
STD-OREAS92-4A expected										2.44				16.3	
STD-OREAS92-4A result						7.45	7.0	466	3.19	2.60	0.59	0.03	88.24	16.9	
19008	Rock				0.87	8.34	5.4	1431	0.78	0.03	5.54	16.13	25.16	23.0	49
19008 Dup					0.56	8.59	5.1	1447	0.70	0.03	5.25	14.77	22.01	21.7	43
QCV1112-01510-0014-BLK					<0.01	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02	<0.01	<0.1	<1
STD-OREAS92-4A expected										2.44				16.3	
STD-OREAS92-4A result						6.76	7.4	453	3.08	2.50	0.61	0.07	89.70	16.8	
18030	Rock				0.26	7.85	4.0	1249	0.86	0.04	3.70	0.49	27.35	20.3	51
18030 Dup					0.30	8.42	4.7	1261	0.94	0.05	3.67	0.45	26.13	19.6	49
QCV1112-01510-0017-BLK					<0.01	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02	<0.01	<0.1	<1
STD-OREAS92-4A expected										2.44				16.3	
STD-OREAS92-4A result						7.56	6.5	450	2.69	2.91	0.55	0.06	93.21	17.2	
19998	Pulp				66.61	3.45	464.6	65	0.70	24.49	2.03	230.02	21.45	18.5	44
19998 Dup					68.00	3.35	433.6	65	0.61	23.84	1.80	227.28	22.15	18.3	40
QCV1112-01510-0020-BLK					<0.01	<0.01	<0.2	<5	<0.05	<0.01	<0.01	<0.02	<0.01	<0.1	<1
STD-OREAS92-4A expected										2.44				16.3	
STD-OREAS92-4A result						7.70	6.5	463	2.76	2.49	0.57	0.05	86.80	15.9	
109009	Rock	51.97	1.07	98.83											
109009 Dup		52.51	1.04	98.81											
QCV1112-01514-0002-BLK		<0.01	<0.01	<0.01											
QCV1112-01514-0003-BLK		<0.01	<0.01	<0.01											
STD-SY-4 expected		49.90	0.29												
STD-SY-4 result		52.48	0.35												



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Sample Description	Sample Type	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na
		50-4A-UT ppm	50-4A-UT ppm	50-4A-UT %	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT %	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT %	50-4A-UT ppm	50-4A-UT ppm
109001	Rock	0.57	33.0	7.13	17.43	0.89	2.1	0.06	1.08	<0.5	10.9	2.85	1415	0.45	2.63
109001 Dup		0.62	37.0	7.07	18.21	0.83	2.0	0.06	1.12	<0.5	11.4	2.87	1416	0.24	2.56
QCV1112-01510-0002-BLK		<0.05	<0.2	<0.01	<0.05	<0.05	<0.1	<0.01	<0.01	<0.5	<0.2	<0.01	<5	<0.05	<0.01
STD-OREAS92-4A expected			2294.0												
STD-OREAS92-4A result		7.21	2508.1	4.52	21.83		3.7	0.33	2.97	41.6	31.7	1.77		0.30	0.58
28587	Rock	0.47	119.1	6.14	16.44	0.54	1.8	0.06	1.41	0.8	7.4	2.41	1591	0.15	2.68
28587 Dup		0.44	121.6	6.22	17.45	0.58	1.9	0.05	1.30	0.9	7.5	2.44	1576	0.17	2.80
QCV1112-01510-0005-BLK		<0.05	<0.2	<0.01	<0.05	<0.05	<0.1	<0.01	<0.01	<0.5	<0.2	<0.01	<5	<0.05	<0.01
STD-OREAS92-4A expected			2294.0												
STD-OREAS92-4A result		6.82	2424.9	4.78	21.99		3.8	0.34	2.74	43.1	29.5	1.71		0.25	0.54
18934	Rock	1.75	105.3	8.18	22.38	0.42	1.4	0.07	4.07	<0.5	7.4	2.47	1325	0.18	0.11
18934 Dup		1.85	107.8	8.03	21.81	0.39	1.6	0.07	4.16	<0.5	7.1	2.44	1310	0.22	0.10
QCV1112-01510-0008-BLK		<0.05	<0.2	<0.01	<0.05	<0.05	<0.1	<0.01	<0.01	<0.5	<0.2	<0.01	<5	<0.05	<0.01
STD-CDN-ME-6 expected			6130.0												
STD-CDN-ME-6 result			5285.0												
19024	Rock	0.68	42.8	5.67	19.69	0.99	2.1	0.05	0.87	5.1	10.3	2.38	2101	0.69	2.48
19024 Dup		0.65	41.3	5.54	18.85	0.93	1.9	0.05	0.90	5.7	10.9	2.44	2018	0.67	2.46
QCV1112-01510-0011-BLK		<0.05	<0.2	<0.01	<0.05	<0.05	<0.1	<0.01	<0.01	<0.5	<0.2	<0.01	<5	<0.05	<0.01
STD-OREAS92-4A expected			2294.0												
STD-OREAS92-4A result		6.83	2307.2	4.73	21.98		3.6	0.33	2.43	43.5	25.8	1.64		0.38	0.48
19008	Rock	0.83	120.2	5.42	19.56	0.91	1.8	0.06	1.65	2.2	5.7	2.35	5277	0.74	1.25
19008 Dup		0.70	125.3	5.28	19.35	0.87	1.7	0.06	1.84	3.0	6.5	2.45	5106	0.72	1.29
QCV1112-01510-0014-BLK		<0.05	<0.2	<0.01	<0.05	<0.05	<0.1	<0.01	<0.01	<0.5	<0.2	<0.01	<5	<0.05	<0.01
STD-OREAS92-4A expected			2294.0												
STD-OREAS92-4A result		7.07	2212.1	4.59	23.18		3.6	0.35	2.06	41.5	21.7	1.58		0.38	0.40
18030	Rock	0.52	48.8	5.53	18.57	0.70	1.6	0.05	1.73	4.5	6.9	2.35	3205	1.71	1.43
18030 Dup		0.52	51.3	5.51	18.15	0.62	1.5	0.05	1.83	4.1	7.5	2.41	3189	1.70	1.50
QCV1112-01510-0017-BLK		<0.05	<0.2	<0.01	<0.05	<0.05	<0.1	<0.01	<0.01	<0.5	<0.2	<0.01	<5	<0.05	<0.01
STD-OREAS92-4A expected			2294.0												
STD-OREAS92-4A result		7.60	2265.1	4.49	23.11		3.7	0.38	2.46	41.6	25.8	1.61		0.31	0.48
19998	Pulp	0.85	5209.1	9.27	14.59	2.72	1.0	3.10	0.56	<0.5	9.5	0.90	547	24.41	1.00
19998 Dup		0.87	5148.0	8.15	14.17	2.68	0.9	3.09	0.58	<0.5	9.9	0.86	478	23.44	1.03
QCV1112-01510-0020-BLK		<0.05	<0.2	<0.01	<0.05	<0.05	<0.1	<0.01	<0.01	<0.5	<0.2	<0.01	<5	<0.05	<0.01
STD-OREAS92-4A expected			2294.0												
STD-OREAS92-4A result		7.01	2345.1	4.64	21.33		3.6	0.34	2.34	40.8	25.9	1.68		0.34	0.48

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Sample Description	Sample Type	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te
		50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT %	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm
109001	Rock	3.4	17.6	962	7.1	33.5	0.003	<0.01	0.29	26.8	1.3	1.0	284.6	0.69	<0.05
109001 Dup		3.4	18.5	978	6.8	33.4	0.004	<0.01	0.25	29.5	1.2	0.9	285.7	0.39	<0.05
QCV1112-01510-0002-BLK		<0.1	<0.2	<10	<0.5	<0.1	<0.002	<0.01	<0.05	<0.1	<1.0	<0.2	<0.2	<0.05	<0.05
STD-OREAS92-4A expected					9.8			0.310	1.16		3.8	10.6			
STD-OREAS92-4A result		13.5	36.9	754	14.6	186.8	0.005	0.286	1.08	13.0	2.6	10.0	35.5	1.12	<0.05
28587	Rock	3.4	16.0	1237	7.6	29.5	0.003	0.110	0.27	20.9	<1.0	0.9	259.5	0.24	<0.05
28587 Dup		3.5	17.2	1218	8.4	27.0	0.005	0.109	0.27	20.1	<1.0	0.9	262.8	0.24	<0.05
QCV1112-01510-0005-BLK		<0.1	<0.2	<10	<0.5	<0.1	<0.002	<0.01	<0.05	<0.1	<1.0	<0.2	<0.2	<0.05	<0.05
STD-OREAS92-4A expected					9.8			0.310	1.16		3.8	10.6			
STD-OREAS92-4A result		13.5	38.9	773	13.9	193.0	0.005	0.276	1.09	13.2	4.7	10.4	37.1	1.26	<0.05
18934	Rock	4.4	20.9	701	30.4	133.6	<0.002	5.999	0.65	31.4	3.6	0.9	51.3	0.32	0.28
18934 Dup		4.2	21.5	696	31.1	141.9	0.009	5.976	0.63	31.9	2.6	1.0	51.0	0.29	0.27
QCV1112-01510-0008-BLK		<0.1	<0.2	<10	<0.5	<0.1	<0.002	<0.01	<0.05	<0.1	<1.0	<0.2	<0.2	<0.05	<0.05
STD-CDN-ME-6 expected					10200.0										
STD-CDN-ME-6 result					9870.9								179.3		
19024	Rock	4.7	6.5	1141	5.6	27.5	0.005	0.280	0.25	21.2	1.2	0.9	330.9	0.30	0.26
19024 Dup		4.6	5.7	1137	5.8	26.8	0.007	0.286	0.23	20.5	<1.0	0.9	326.7	0.28	<0.05
QCV1112-01510-0011-BLK		<0.1	<0.2	<10	<0.5	<0.1	<0.002	<0.01	<0.05	<0.1	<1.0	<0.2	<0.2	<0.05	<0.05
STD-OREAS92-4A expected					9.8			0.310	1.16		3.8	10.6			
STD-OREAS92-4A result		13.7	40.0	736	12.3	192.2	0.006	0.279	1.13	14.4	4.4	10.4	35.3	1.17	<0.05
19008	Rock	4.3	13.7	1072	197.4	55.4	0.007	0.864	0.58	24.4	<1.0	0.8	295.1	0.29	0.10
19008 Dup		4.1	12.5	1071	194.5	38.2	0.009	0.877	0.56	22.1	1.1	0.7	296.1	0.28	<0.05
QCV1112-01510-0014-BLK		<0.1	<0.2	<10	<0.5	<0.1	<0.002	<0.01	<0.05	<0.1	<1.0	<0.2	<0.2	<0.05	<0.05
STD-OREAS92-4A expected					9.8			0.310	1.16		3.8	10.6			
STD-OREAS92-4A result		14.4	39.4	708	12.5	202.1	0.008	0.257	1.11	14.4	3.4	10.3	33.3	1.13	<0.05
18030	Rock	4.9	7.4	1023	73.9	55.9	0.009	0.966	0.47	22.7	<1.0	1.0	253.2	0.32	<0.05
18030 Dup		4.7	6.1	1058	70.8	55.5	0.005	0.979	0.48	21.8	<1.0	1.0	254.9	0.28	<0.05
QCV1112-01510-0017-BLK		<0.1	<0.2	<10	<0.5	<0.1	<0.002	<0.01	<0.05	<0.1	<1.0	<0.2	<0.2	<0.05	<0.05
STD-OREAS92-4A expected					9.8			0.310	1.16		3.8	10.6			
STD-OREAS92-4A result		14.6	41.2	704	13.7	201.2	0.005	0.259	1.15	14.6	3.9	10.5	33.6	1.22	<0.05
19998	Pulp	4.4	45.3	508	5998.0	21.8	0.020	7.986	113.72	7.4	88.1	49.0	147.5	0.20	0.33
19998 Dup		4.3	45.9	483	5716.4	21.4	0.018	7.668	109.35	7.6	88.3	46.3	136.1	0.18	0.30
QCV1112-01510-0020-BLK		<0.1	<0.2	<10	<0.5	<0.1	<0.002	<0.01	<0.05	<0.1	<1.0	<0.2	<0.2	<0.05	<0.05
STD-OREAS92-4A expected					9.8			0.310	1.16		3.8	10.6			
STD-OREAS92-4A result		13.8	38.7	736	13.2	189.9	0.004	0.262	1.13	13.6	3.1	9.6	34.5	1.11	<0.05

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Sample Description	Sample Type	Th	Ti	Tl	U	V	W	Y	Zn	Zr
		50-4A-UT ppm	50-4A-UT %	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm	50-4A-UT ppm
109001	Rock	1.6	0.586	0.16	0.5	347	0.5	19.8	104	47.2
109001 Dup		1.5	0.581	0.18	0.6	349	0.5	20.9	105	49.0
QCV1112-01510-0002-BLK		<0.2	<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
STD-OREAS92-4A expected									88	
STD-OREAS92-4A result		17.6	0.329	0.89	3.3		2.6	24.9	96	99.0
28587	Rock	1.2	0.548	0.16	0.7	294	0.4	17.4	130	41.9
28587 Dup		1.2	0.548	0.17	0.7	295	1.3	16.6	127	44.0
QCV1112-01510-0005-BLK		<0.2	<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
STD-OREAS92-4A expected									88	
STD-OREAS92-4A result		18.4	0.331	1.00	3.5		2.4	25.7	122	102.8
18934	Rock	1.4	0.611	0.70	0.5	206	0.7	15.3	107	36.9
18934 Dup		1.8	0.617	0.72	0.5	204	0.7	16.0	108	45.8
QCV1112-01510-0008-BLK		<0.2	<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
STD-CDN-ME-6 expected									5170	
STD-CDN-ME-6 result									4491	
19024	Rock	2.3	0.430	0.15	1.1	288	0.4	18.3	124	55.1
19024 Dup		2.3	0.422	0.13	1.1	280	0.9	18.5	123	54.4
QCV1112-01510-0011-BLK		<0.2	<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
STD-OREAS92-4A expected									88	
STD-OREAS92-4A result		17.2	0.332	0.93	3.2		2.4	25.9	95	100.7
19008	Rock	1.9	0.509	0.31	0.9	304	1.0	18.3	1824	51.2
19008 Dup		1.8	0.502	0.33	0.9	302	1.3	16.2	1842	45.3
QCV1112-01510-0014-BLK		<0.2	<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
STD-OREAS92-4A expected									88	
STD-OREAS92-4A result		17.0	0.339	0.89	3.3		2.5	27.3	92	104.4
18030	Rock	1.7	0.446	0.33	0.8	268	1.0	17.5	254	39.8
18030 Dup		1.6	0.450	0.31	0.8	269	1.0	17.1	252	39.0
QCV1112-01510-0017-BLK		<0.2	<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
STD-OREAS92-4A expected									88	
STD-OREAS92-4A result		18.1	0.314	0.98	3.5		2.6	27.0	84	105.4
19998	Pulp	2.1	0.162	14.63	2.0	109	1.1	9.6	>10000	25.9
19998 Dup		2.0	0.150	14.00	2.0	97	1.2	9.6	>10000	26.0
QCV1112-01510-0020-BLK		<0.2	<0.005	<0.02	<0.1	<1	<0.1	<0.1	<2	<0.5
STD-OREAS92-4A expected									88	
STD-OREAS92-4A result		17.0	0.334	0.98	3.2		2.3	25.4	94	102.2



Hydrocore Diamond Drill at 11-JAS-01



11-JAS-01 Core 0'-95'



11-JAS-01 core 95'-168'



11-JAS-02 core 11'-109'



11-JAS-02 core 109'-162'



11-JAS-03 core 4'-83'



11-JAS-03 core 83'-162'



11-JAS-03 core 162'-201'

2011 Jasper Assessment Report

Appendix 3 – Tenure Data

2011 Assessment Cost Statement for Jasper Project

Exploration Work type	Comment	Days			Totals
Personnel (Name)* / Position	Field Days (list actual days)	Days	Rate	Subtotal*	
Jacques Houle / Geologist	4.5(May24-Jul19);9.35(Oct7-Dec10)	13.75	\$806.40	\$11,088.00	
Adrian Houle / Field Assistant	8.05 (Jun16-Jul19)	8.05	\$225.00	\$1,811.25	
Paul Carpenter / Core Sampler	3.0 (Dec7-9)	3	\$262.40	\$787.19	
				\$13,686.44	\$13,686.44
Office Studies	List Personnel (note - Office only, do not include field days)				
General research	Jacques Houle	6.5	\$887.04	\$5,721.41	
Report preparation	Jacques Houle	7.0	\$887.04	\$6,209.28	
				\$11,930.69	\$11,930.69
Ground Exploration Surveys	Area in Hectares/List Personnel				
Geological mapping (4 locations)	Combined 0.015 ha / Jacques Houle	<i>note: expenditures here</i>			
Prospect (10 locations)	Combined 0.05 ha / J.&A. Houle	<i>should be captured in Personnel</i>			
Trenches (4 locations)	Combined 0.015 ha / Adrian Houle	<i>field expenditures above</i>			
				\$0.00	\$0.00
Geochemical Surveying	Number of Samples	No.	Rate	Subtotal	
Drill (cuttings, core, etc.)	112 samples ICPMS+Au; 12 WRA	112	\$44.41	\$4,973.42	
Rock	13 samples ICPMS+Au; 12 overlimit	13	\$53.68	\$697.78	
				\$5,671.20	\$5,671.20
Drilling	No. of Holes, Size of Core and Metres	No.	Rate	Subtotal	
Diamond Drilling by Claude Lessard	3 holes totaling 162 metres ATW	162.0	\$180.49	\$29,240.00	
				\$29,240.00	\$29,240.00
Other Operations	Clarify	No.	Rate	Subtotal	
Backhoe trenching by Johel Bros.	Cat 320C, pickup, lowbed, labour		invoiced	\$29,738.80	
				\$29,738.80	\$29,738.80
Transportation		No.	Rate	Subtotal	
truck rental	Houle 4x4 Ford F150	9.00	\$403.20	\$3,628.80	
Other					
				\$3,628.80	\$3,628.80
Miscellaneous					
Road repair	replacement culvert from Johel Bros.		invoiced	\$756.00	
Other (Specify)	geochemical standards from CDN		invoiced	\$143.14	
				\$899.14	\$899.14
Equipment Rentals					
Field Gear (Specify)	Houle field/core equip. and supplies	6.85	\$80.64	\$552.38	
Other (Specify)	McMaster core saw rental	3.0	\$129.02	\$387.07	
				\$939.45	\$939.45
Freight, rock samples					
Ship rock sample to Vancouver	Canada Post			\$23.04	
Ship rock samples to Richmond	Greyhound			\$27.63	
Ship core samples to Richmond	Greyhound			\$144.29	
Ship core rejects/pulps to Nanaimo	Ace Courier			\$114.14	
				\$309.10	\$309.10
TOTAL Expenditures					\$96,043.62