Ministry of Energy and Mines
BC Geological Survey

Assessment Report
Title Page and Summary

TYPE OF REPORT [type of survey(s)]: Drilling, Geochemistry, Trenching, Remote Sensing, Rec **TOTAL COST:** $473,261.04

AUTHOR(S): Jacques Houle, P.Eng. **SIGNATURE(S):**

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): MX-8-263 **YEAR OF WORK:** 2010,11

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S): 4870571 2011/JUN/11

PROPERTY NAME: Valentine Mountain

CLAIM NAME(S) (on which the work was done): 506190, 528190

COMMODITIES SOUGHT: Au, Ag

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN: 092B108, 092B075

MINING DIVISION: Victoria **NTS/BCGS:** 092B12W / 092B.051

LATITUDE: 48 ° 31 ' " **LONGITUDE:** 123 ° 54 ' " **(at centre of work)**

OWNER(S):
1) Mill Bay Ventures Inc. 2)

MAILING ADDRESS:
Suite 900 - 570 Granville Street
Vancouver, B.C. V6C 3P1

OPERATOR(S) [who paid for the work]:
1) Mill Bay Ventures Inc. 2)

MAILING ADDRESS:

PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):
Meta-sediment, meta-volcanic, intrusive, Jurassic, Cretaceous, Eocene, Leech River Complex, folding, faulting, gold quartz vein

31271,31548 (assessment report numbers continued from below)
22683,24345,24431,25024,25243,25244,25245,25246,25577,25806,26183,26517,26774,26800,27107,27360,27726,30402,

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: 6298,6598,6844,9050,10110,11398,12642,
14199,14640,14691,14820,15509,16818,17259,17381,17950,17998,18183,18827,18901,18993,19358,19362,19381,20100,

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TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
GEOLOGICAL (scale, area)			
Ground, mapping			
Photo interpretation			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne	Remote Sensing Radarsat Survey	all claims	25,697.65
GEOCHEMICAL (number of samples analysed for...)			
Soil	182	528190	4,244.74
Silt			
Rock	20	528190, 506801	included with soil
Other	drill core	528190, 506801	53,524.81
DRILLING (total metres; number of holes, size)			
Core	3,239 metres, 16 holes, NQ core size	506801, 528190	302,650.76
Non-core			
RELATED TECHNICAL			
Sampling/assaying	drilling, geochemistry programs	506801, 528190	41,917.93
Petrographic			
Mineralographic	mineral inventory report	506801, 528190, 549333	42,355.65
Metallurgic	tailings dam report	506801	2,869.50
PROSPECTING (scale, area)			
PREPARATORY / PHYSICAL			
Line/grid (kilometres)			
Topographic/Photogrammetric (scale, area)			
Legal surveys (scale, area)			
Road, local access (kilometres)/trail			
Trench (metres)			
Underground dev. (metres)			
Other			
		TOTAL COST:	473,261.04

BC Geological Survey
Assessment Report
32500

Technical Report on the

Valentine Mountain Property

Victoria Mining Division, B.C.
NTS Map Sheet 092B12W
BCGS Map Sheet 092B.051

Latitude 48^{0}31' North; Longitude 123^{0}54' West
UTM Zone 10 5375000N 433500E

For

Mill Bay Ventures Inc.

By

Jacques Houle, P.Eng.
October 15, 2011

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Summary

The Valentine Mountain Property ("the Property") hosts the Valentine Mountain gold quartz vein developed prospect (British Columbia MINFILE 092B108) for which an uncut (cut) indicated mineral resource estimate of 54,763 tonnes @ 16.4 (9.3) grams of gold per tonne in 2 veins, and an uncut inferred mineral resource estimate of 20,700 tonnes @ 22.6 grams of gold per tonne in 2 other veins, were completed by the author in 2011 (Appendix 1). This estimate meets the standards and guidelines of National Instrument 43-101 and the Canadian Institute of Mining's Standard Definitions, and replaces all prior mineral resource estimates completed for the Property. The Valentine Mountain Property also hosts the BPEX (Braiteach Zone) gold quartz vein showing (British Columbia MINFILE 092B 075), located 4 kilometres west of the Discovery Zone, plus several other gold exploration targets and industrial mineral occurrences.

The tenures which constitute the Valentine Mountain Property have been assembled and owned 100% by Mill Bay Ventures Inc. ("Mill Bay") to cover portions of the former property of the same name previously owned by Beau Pre Explorations Ltd. ("Beau Pre"). The Property consists of 25 cell mineral claims covering 7,188 hectares; and 2 overlying cell placer tenure covering 43 hectares.

The Property surrounds Valentine Mountain (elevation 974 metres), is located 20 kilometres northwest of Sooke, B.C. on southern Vancouver Island, and is accessible by forestry roads secured by locked gates managed by Timberwest Inc. The Property area is underlain entirely by high grade metamorphic rocks of the Pacific Rim Terrane, which hosts several minor past producers of gold, silver and copper, including the historic Leech River gold placer gold district (British Columbia MINFILE 092B078), located just to the east of the Property.

The property warrants phased exploration work aimed at discovering and delineating gold quartz vein mineralization through systematic yet strategically targeted geochemistry, drilling and bulk sampling programs. The exploration target model for the Valentine Mountain Project is the recently reopened Bralorne Gold Mine in south-central B.C., with past production of 7.3 million tonnes averaging 18 grams of gold per tonne, which yielded 129 million grams of gold.

This report provides details of exploration work completed in 2010 and to date in 2011 on the Property, including a remote sensing program, a geotechnical program, a geochemistry program and two diamond drilling programs. The report also recommends future work programs totaling $4 million in two phases.

Introduction

The author was engaged by Mill Bay Ventures Inc. in February, 2008 to provide technical advice on the Valentine Mountain area, and to up-date a previous NI43-101 compliant Technical Report (available as BC ARIS report 27360) on the Valentine Mountain Property, issued in March, 2008. In addition, the author completed geochemistry and prospecting programs on the Property in 2008

(ARIS report 30402) and 2009, assisted and advised Mr. Andris Kikauka, P.Geo. on drilling programs completed in 2004 (BC ARIS report 27726), 2009 (B.C. ARIS report 31548), 2010 and 2011, and assisted and advised Mr. David McLelland on a remote sensing study completed in 2010 (Appendix 4).

The author is familiar with and has visited the Valentine Mountain Property several times from 2000 to 2010, both as the Regional Geologist for Southwest B.C. with the Ministry of Energy, Mines and Petroleum Resources, and as a mineral exploration consultant engaged by prior property owners Beau Pre Explorations Ltd. and current owner Mill Bay Ventures Inc. The author is also a qualified person as per National Instrument 43-101, and independent of Mill Bay Ventures Inc. This report was prepared under the guidelines of NI 43-101, and Form 43-101F1, and summarizes the work reported in about 40 previous assessment reports completed primarily by Beau Pre and other operators on the Valentine Mountain Project since 1976. Other B.C. government data was used to provide background information on the property and area, consisting of:

- BC MINFILE's 092B108 (Valentine Mountain), 092B075 (BPEX)
- BC Mineral Deposit Profile I01 (Au QUARTZ VEIN)
- BC ARIS Assessment Report Database for previously filed work on the property (listed in Table 3 and copied on CD in the back of this report)
- BC Mineral Titles Online data for cell claims which cover the property

Reliance on Other Experts

Historical data was taken from documentation by previous workers who generally used appropriate standards and guidelines at the time the work was done, but may not comply with NI-43-101. Also, metallurgical, mine engineering, geotechnical, environmental, and remote sensing work completed on behalf of previous or current owners may be beyond the author's scope of expertise, for which reliance is made on those experts who completed the work, which either appears in the Appendices or is referenced in the Bibliography of this report.

Property Description and Location

The Valentine Mountain Property is centered at UTM Zone 10, 433500E, 5375000N, and situated in NTS map sheet 092B12W or BCGS map sheet 092C051 in the Victoria Mining Division of British Columbia. See Figures 1a-c and 2a-b for various maps of the property at 1:250,000 and 1:50,000 scales. The Property is comprised of 25 contiguous cell mineral claims acquired in part through 6 separate property transactions from different owners by Mill Bay Ventures Inc., and in part by cell mineral selection in Mineral Titles Online by agents for Mill Bay. All claims are held 100% by Mill Bay, of which one claim

only (506801) is subject to a 5% net smelter royalty capped at $1 million payable to Beau Pre Explorations Ltd. The property transactions and cell mineral and placer tenures are listed in Tables 1, 2 and 3 below:

Table 1 – List of Property Transactions as of October 15, 2011

Vendor	Date	Terms	Tenure Numbers	Area(ha.)
Anderson	Dec.14,2007	Purchase	528190	427.813
Pfaffenburger	Dec.14,2007	Purchase	528257, 528261	213.923
Beau Pre	Jan.30,2008	Purchase + NSR	506801	85.578
Vandekerkhove	Jan.31,2008	Purchase	528254,528255,528258,528263,528265	1818.551
McKee	Apr.25,2008	Purchase	582322	85.557
Specogna	Jun.05,2008	Purchase	549331,549333,549334,575069*,575070*	299.540
TOTALS	**6**		**13 cell mineral + 2 placer* claims**	**2930.962**

Table 2 – List of Cell Mineral Claims and Status as of October 15, 2011

Tenure Number	Claim Name	Owner Client#	Issue Date	Good To Date	Tenure Type	Area (ha.)
506801		108020	2005/feb/11	2021/jun/14	Mineral	85.578
528190	JORDAN	108020	2006/feb/13	2021/jun/14	Mineral	427.813
528254	VM1	108020	2006/feb/14	2013/nov/14	Mineral	534.88
528255	VM2	108020	2006/feb/14	2013/nov/14	Mineral	85.596
528257	BB	108020	2006/feb/15	2013/nov/14	Mineral	42.784
528258	VM3	108020	2006/feb/15	2021/jun/14	Mineral	513.539
528261	CC	108020	2006/feb/15	2021/jun/14	Mineral	171.139
528263	VM4	108020	2006/feb/15	2021/jun/14	Mineral	213.958
528265	VM5	108020	2006/feb/15	2013/nov/14	Mineral	470.578
549331	VALENTINE	108020	2007/jan/14	2021/jun/14	Mineral	21.3972
549333	VALENTINE MTN	108020	2007/jan/14	2021/jun/14	Mineral	256.7454
549334	VALENTINE'S DAY MASSACRE	108020	2007/jan/14	2021/jun/14	Mineral	21.3973
578140	VM6	108020	2008/mar/08	2013/nov/14	Mineral	320.903
582320	VALENTINE1	108020	2008/apr/22	2013/nov/14	Mineral	513.6383
582322	VALENTINE NE	108020	2008/apr/22	2013/nov/14	Mineral	85.5568
582326	VALENTINE2	108020	2008/apr/22	2021/jun/14	Mineral	534.7649
582330	VALENTINE3	108020	2008/apr/22	2013/nov/14	Mineral	513.61
582334	VALENTINE4	108020	2008/apr/22	2013/nov/14	Mineral	534.6637
582336	VALENTINE5	108020	2008/apr/22	2013/nov/14	Mineral	213.8772
582337	VALENTINE6	108020	2008/apr/22	2013/nov/14	Mineral	427.931
582421	VM8	108020	2008/apr/22	2013/nov/14	Mineral	85.5492
582422	VM9	108020	2008/apr/22	2013/nov/14	Mineral	128.313
582423	VM10	108020	2008/apr/22	2013/nov/14	Mineral	256.7717
582443	VM11	108020	2008/apr/22	2013/nov/14	Mineral	513.2111
582444	VM12	108020	2008/apr/22	2013/nov/14	Mineral	213.8374
TOTALS	**25**					**7188.0322**

Table 3 – List of Cell Placer Claims and Status as of October 15, 2011

Tenure Number	Claim Name	Owner Client#	Issue Date	Good To Date	Tenure Type	Area (ha.)
575069	BEAUPRE	108020	2008/jan/31	2012/apr/07	Placer	21.3955
575070	BEAUPRE WEST	108020	2008/jan/31	2012/apr/07	Placer	21.3955
TOTALS	**2**					**42.791**

Mineralized Zones

The Valentine Mountain Property hosts one gold quartz vein developed prospect, Valentine Mountain (BC MINFILE 092B 108), referred to in this report as the Discovery Zone, which includes several sub-parallel veins including the C Vein, B Vein, E Vein and F Vein. The Discovery Zone is situated entirely on cell mineral claim 806801. The project also hosts one showing, BPEX (BC MINFILE 092B075), referred to in this report as the Braiteach Zone, situated on cell mineral claim 528190. Previous consultants working on the property (Grove, 1990 and Burgoyne, 1998) have identified at least six additional gold quartz vein occurrences along an east-west gold corridor which contains the Valentine Mountain and BPEX MINFILE occurrences. Listed from east to west, those four on the cell mineral claims of the Valentine Mountain Property are: the Discovery West, Log Dam, and Alec Creek Zones on cell mineral claim 549333, and the BN Zone on cell mineral claim 528190. The other two occurrences, Fred East and Fred West, are located east of the Discovery Zone within an internal gap in the Property held by another tenure holder. In addition, the author has identified a possible northern gold corridor which trends northwest-southeast and may converge with the east-west gold corridor at the east end of the Property.

Permitting and Environmental Liabilities

The potential environmental liabilities at the Valentine Mountain Property arise both from the presence of arsenopyrite close associated with the gold quartz vein mineralization, and from iron sulphide minerals pyrite, marcasite and pyrrhotite in most of the rocks exposed both in outcrop in the area and in open trenches at the Discovery Zone. As documented in the 2004 technical report, the first industry standard baseline environmental study in the project area was initiated in 2003. This potential acid rock drainage and metal leaching may be partially mitigated by the presence of elevated calcium (either as calcite in veins or as sedimentary limestone/marble) in close spatial association with gold mineralization.

The tailings dam installed in 1984 and located just south of the Discovery Zone is another potential environmental liability in the event of overflow or failure of its perimeter berm, which could result in a sudden discharge of metal-laden sediments into the local environment. However, the tailings dam also provides an ideal settling pond for drainage waters from any future surface or underground excavations, and possibly for small scale mining operations at the Discovery Zone. The tailings dam is located on cell mineral claim 549331 of the Valentine

Mountain Property. As documented in the 2004 technical report, the tailings dam was inspected and its integrity evaluated in 2003. In 2010, the tailings dam was inspected and evaluated again by Thurber Engineering Ltd. (Appendix 2).

Two exploration work permits (MX-8-21, and MX-8-263) issued by the B.C. Ministry of Energy and Mines are held by Mill Bay Ventures Inc. Reclamation securities of $6,000 and $2,000 respectively for the permits are currently being held by the ministry pending final property reclamation.

Accessibility, Climate, Local Resources, Infrastructure, and Physiography

The Valentine Mountain Project is located 50 km. WNW of Victoria, and 20 km. north of Sooke on southern Vancouver Island (Figures 1, 2a, 3a). An actively expanding network of logging roads provides access to most of the property. These roads are on private property owned by Timberwest Inc. A small portion of the logging roads have steep grades which require four-wheel drive. The main logging road access has weekday travel restrictions during the period 07:00 to 17:00 hours, which requires vehicles to be authorized and radio equipped. The main access point to the property is through a security gate located 5 kilometers north of Sooke along the Butler Main road, to which keys are issued by Timberwest for refundable fees with terms covered by access agreements. The village of Sooke and the city of Victoria provide services for working on the property. Paved highways 14 and 1 connect Sooke and Victoria to the rest of Vancouver Island. The island power grid is accessible from transmission lines 10 kilometers south and west of the property.

The area of the Valentine Mountain Project gets occasional heavy rain in the autumn, fire closures in the summer and snow at higher elevations in the winter. Relatively mild coastal climate generally allows year round fieldwork to be carried out. The property is part of the Insular Mountains which formed as a result of crustal thickening and subsequent mature dissection of a Tertiary erosion surface of relatively low relief, now expressed as fault controlled valleys and fault-line scarps forming monadnock-like plateaus (Grove, 1990). The terrain is mountainous and rugged between 370-800 meters elevation (the lower levels of the claim group). Plateaus are developed on the ridge tops at elevations >800 meters above sea level. Quaternary ice advances from the north and west have deposited a 1-5 meter depth of till throughout the region.

History

Gold bearing quartz and/or sulphide zones have been the focus of attention on Valentine Mountain. A summary of previous work (most of which is available as BC ARIS reports shown in Table 4 and included in the CD at the back of this report) is outlined as follows:

Table 4 – BC ARIS Reports for Property Available as of October 15, 2011

Report Number	Year	Author	Owner/Operator	Work Program / MINFILE Number	Property
6298	1977	Beaupre, R., Low, A.	Beaupre, R.	Prospecting, Geochemical, Physical / 092B108	Blaze
6598	1978	Beaupre, R.	Beaupre, R.	Prospecting / 092B111	Peg
6844	1978	Beaupre, R.	Beaupre, R.	Prospecting, Geochemical, Physical / 092B108	Blaze
9050	1980	Noel, G.A.	Beau Pre Explorations Ltd.	Geochemical, Physical / 092B108	Blaze
10110	1982	Grove, E.W.	Beau Pre Explorations Ltd.	Geochemical / 092B108, 092B075)	Blaze, BPEX
11398	1984	Simpson, R.	Walkinshaw, C./Simpson, R.	Geochemical, Prospecting / no MINFILE	Jordan Gold
12642	1984	Grove, E.W.	Beau Pre Explorations Ltd.	Drilling, Geochemical, Geological / 092B108	Valentine Mountain
14199	1985	Shandler, F.R.	Shandler, F.R.	Prospecting / 092B115	FRS
14640	1985	Shandler, F.R.	Shandler, F.R.	Prospecting / no MINFILE	FRS
14691	1985	Johnson, E.K.	Johnson, E.K.	Geochemical, Prospecting / no MINFILE	Leech
14820	1986	Carter, N.C.	Johnson, E.K.	Drilling, Geochemical, Geological / no MINFILE	Leech, West
15509	1987	Peatfield, G.R.	Beau Pre Explorations Ltd.	Geochemical / 092B108, 092B111, 092B115, 092B075	Valentine Mountain
16818	1987	Demczuk, L.	Beau Pre Explorations Ltd. / Valentine Gold Corporation	Geochemical / no MINFILE	Valentine Mountain (placer)
17259	1988	Mazacek, P.	Beau Pre Explorations Ltd. / Valentine Gold Corporation	Drilling, Geochemical, Geological, Physical / 092B108, 092B111, 092B115	Valentine Mountain
17381	1988	Mazacek, P.	Beau Pre Explorations Ltd. / Valentine Gold Corporation	Geochemical, Physical / 092B108	Valentine Mountain
17950	1988	Mazacek, P.	Expeditor Resource Group Ltd. / Valentine Gold Corporation	Geological, Geophysical / no MINFILE	624 / VG
17998	1988	Milwarde-Yates, D.	Milwarde-Yates, D.	Geophysical / no MINFILE	Blue Jay
18813	1989	Milwarde-Yates, D.	Milwarde-Yates, D.	Geophysical / no MINFILE	D.J.1
18827	1989	Allen, G.J.	Beau Pre Explorations Ltd.	Geochemical, Geological / 092B115	FRS

Report Number	Year	Author	Owner/Operator	Work Program / MINFILE Number	Property
18900	1989	McIntyre, T.J., Bull, D.R., Wilson, R.G.	Beau Pre Explorations Ltd., Valentine Gold Corporation / Noranda Exploration Co. Ltd.	Geochemical, Geological / no MINFILE	FRS
18901	1989	McIntyre, T.J., Bull, D.R., Wilson, R.G.	Beau Pre Explorations Ltd., Valentine Gold Corporation / Noranda Exploration Co. Ltd.	Geochemical, Geological / no MINFILE	Leech, Au, West
18993	1989	McIntyre, T.J., Bull, D.R., Wilson, R.G.	Beau Pre Explorations Ltd., Valentine Gold Corporation / Noranda Exploration Co. Ltd.	Geochemical, Geological / no MINFILE	Met
19358	1989	McIntyre, T.J., Bull, D.R., Wilson, R.G.	Beau Pre Explorations Ltd., Valentine Gold Corporation / Noranda Exploration Co. Ltd.	Geochemical, Geological / 092B075, 092B111	Peg, Bo
19359	1989	McIntyre, T.J., Bull, D.R., Wilson, R.G.	Beau Pre Explorations Ltd., Valentine Gold Corporation / Noranda Exploration Co. Ltd.	Geochemical, Geological / no MINFILE	VG, Val
19362	1989	McCorquodale, J.E., Wilson, R.G.	Beau Pre Explorations Ltd., Valentine Gold Corporation / Noranda Exploration Co. Ltd.	Drilling, Geochemical / 092B075	Valentine Mountain
19381	1989	McIntyre, T.J., D.R., Wilson, R.G.	Beau Pre Explorations Ltd., Valentine Gold Corporation / Noranda Exploration Co. Ltd.	Geochemical, Geological / no MINFILE	Doran, Wolf
20100	1990	Grove, E.W.	Beau Pre Explorations Ltd.	Geological / no MINFILE	FRS
22683	1990	Grove, E.W.	Beau Pre Explorations Ltd.	Drilling, Geological, Physical / 092B108, 092B075, 092B109, 092B102	Valentine Mountain
24345	1996	Faulkner, F.L.	Beau Pre Explorations Ltd.	Physical, Geochemical / 092B108	Valentine Mountain
24431	1996	Faulkner, F.L.	Beaupre, R.	Geological, Geochemical / 092B075, 092B109	RB

Report Number	Year	Author	Owner/Operator	Work Program / MINFILE Number	Property
25024	1997	Kikauka, A.	Beaupre, R.	Geological / 092B075, 092B109	RB
25243	1997	Kikauka, A.	Beau Pre Explorations Ltd.	Geological, Geochemical / 092B108	Valentine Mountain
25244	1997	Kikauka, A.	Beau Pre Explorations Ltd.	Geological / 092B111	Valentine Mountain
25245	1997	Kikauka, A.	Beau Pre Explorations Ltd.	Geological / none	Valentine Mountain
25246	1997	Kikauka, A.	Beau Pre Explorations Ltd.	Prospecting / none	Valentine Mountain
25577	1998	Kikauka, A.	Beau Pre Explorations Ltd.	Geochemical / 092B075	Valentine Mountain
25806	1999	Burgoyne, A.A.	Beau Pre Explorations Ltd.	Drilling, Geological, Geochemical / 092B108, 092B075, 092B111, 092B109	Valentine Mountain
26183	1999	Burgoyne, A.A.	Beau Pre Explorations Ltd.	Drilling, Geological, Geochemical / 092B108, 092B075	Valentine Mountain
26517	2001	Kikauka, A.	Beau Pre Explorations Ltd.	Drilling, Geochemical / 092B108, 092B075	Valenine Mountain
26774	2002	Kikauka, A.	Beau Pre Explorations Ltd.	Geological, Geochemical / 092B108	Valentine Mountain
26800	2002	Walton, R.	Walton, R., Waters, B.	Prospecting / no MINFILE	Fit
27107	2002	Kikauka, A.	Beau Pre Explorations Ltd.	Geological, Geochemical / 092B108	Valentine Mountain
27360	2004	Houle, J.	Beau Pre Explorations Ltd.	Drilling, Geochemical / 092B108	Valentine Mountain
27726	2005	Kikauka, A.	Beau Pre Explorations Ltd.	Drilling, Geochemical / 092B108	Valentine Mountain
30402	2008	Houle, J.	Mill Bay Ventures Inc.	Geological, Geochemical / 092B 108, 092B075, 092B102	Valentine Mountain
31271	2009	Kikauka, A.	Mill Bay Ventures Inc.	Geological, Geochemical / no MINFILE	Valentine Mountain (placer)
31548	2009	Kikauka, A.	Mill Bay Ventures Inc.	Drilling, Geochemical / 092B108, 092B075, 092B102, 092B109, 092B111	Valentine Mountain

1976-1984

Beau Pre Explorations Ltd. discovered and explored gold bearing quartz veins hosted in mixed schist/gneiss (i.e. metapelites/metasandstones). Amphibolite units were identified as key stratigraphic horizons, outline major structures, and host gold bearing quartz in the area of the “Discovery Zone” (3 km. west of RB claims). A weakly altered, E-W trending, steeply dipping, laterally continuous, 50-200 m. thick amphibolite unit is in close proximity (about 5-50 m.) to the main

series of gold-quartz veins. A total of 4 gold-quartz veins were defined by drill intercepts as follows:

- "C" vein zone: Located parallel and 10-15 m. south of the "36" ("B" vein), the "C" vein consists of white to grey quartz, trace amounts of pyrrhotite, marcasite and native gold hosted in mixed gneiss and schist. DDH 82-6 intersected the "C" vein at 36.0-36.5 m. depth and returned 258.86 g/t Au across 0.5 m. Several other holes drilled nearby (i.e. 82-3,-7,-7A,-5,-5A,-6A) intersected the "C" vein with assay values up to 5.97 g/t Au across 0.3 m.

- "D" vein zone: Parallel and 50 m. north of the "C" vein is the "D" vein, which is localized along a fault zone along an amphibolite/gneiss contact. This vein was intersected by DDH 82-6A, 6, 5, & 21 with values up to 2.16 g/t Au across 1.3 m., which was recorded in the drill hole furthest west, and appears that the vein improves westward along strike.

- "A" vein zone: The "A" vein was tested by DDH 82-15. At 150.4-151.3 m. (0.9 m. wide) and at 154.6-155.1 m. (0.5 m. wide), two veins returned 1.44 g/t and 3.36 g/t Au respectively.

- The "36" ("B" Vein) gold-quartz vein trench gave the following values:

DISTANCE	LOCATION	WIDTH	Au g/t	Ag g/t
2 m.	Footwall	0.46 m.	14.06	2.40
2 m.	Vein	0.17 m.	1198	132.00
2 m.	Hangingwall	0.61 m.	29.21	5.49
10 m.	Footwall	0.36 m.	0.17	19.20
10 m.	Vein	0.03 m.	1138	77.83
10 m.	Hangingwall	0.37 m.	131.8	27.09
20 m.	Footwall	0.46 m.	4.87	3.43
20 m.	Vein	0.03 m.	0.10	1.03
20 m.	Hangingwall	0.50 m.	3.09	0.69
30 m.	Footwall	0.48 m.	0.34	0.34
30 m.	Vein	0.13 m.	11.25	4.11
30 m.	Hangingwall	0.37 m.	0.10	3.43

- Only 1 out of 13 drill holes (DDH #82-6) gave results 258.86 g/t Au over 0.5 m. which compared to the multi-ounce assays returned from the high grade section of the "36" vein trench. The main reason for erratic results appears to be structural, i.e. free gold occurs in scattered pockets in quartz veins, in fractures and on shear planes in the adjacent wall rocks (Grove, 1984).

- A bulk sample was shipped to Trail, B.C. (1983) giving the following results:

ANALYZED FOR:	**SAMPLE # 1 (101 kg)**	**SAMPLE # 2 (134 kg)**
Description:	**FINES from 5 tons sluiced**	**GOLD-QUARTZ grab vein & wall rock**
GOLD	165.26 g/t	632.23 g/t
SILVER	20.57 g/t	42.86 g/t
SILICA	66.9%	89.4%

- Gold bearing quartz mineralogy includes crystalline arsenopyrite, marcasite, rare chalcopyrite, sphalerite, galena and ilmenite.

- Alteration within the 50-200 m. thick amphibolite unit adjacent to the "Discovery Zone" consists of: extensive quartz, calcite and gypsum veining, spotty to vein-like K-spar zoning, tourmalinization, epidotization, biotitization of hornblende, and magnetite development (Grove, 1984).

- Spatial relation of gold-quartz and extensive alteration suggest that the amphibolite unit is significant in the localization of gold ore.

- Drill results reflect structure and give a "hit and miss" account of gold grades due to its scattered distribution as streaks, pockets and fracture infillings.

1985

Falconbridge mapping and trenching program identified the following geological features present in the "Discovery Zone":

- The "B" and "A" vein gold-quartz systems trend at azimuth 068 degrees, dipping 70 degrees south.

- There are numerous 090 trending, steep S dipping dextral strike-slip faults, offset by later dextral and sinistral strike slip micro-faults (several cm. displacement). Gold-quartz veins appear to have emplaced in between the macro and micro faulting events.

- Gold grades of the main quartz vein and adjacent wall rock increase where there are zones of increased cross and/or diagonal faulting and fracturing.

- Calculation of weighted averages of vein and wall rock from the "A" trench returned a value of 3.22 g/t Au over 1.38 m. along a strike length of 11.0 m.

- Quartz vein from the “A” trench averaged 32.88 g/t Au; wall rock assays averaged 0.96 g/t Au.

- Biotite gneiss (metasandstone) is the dominant host lithology for gold-quartz veins in the “Discovery Zone”. Carbonaceous andalusite-staurolite-garnet-biotite schist (metapelite) forms about 15% of the host lithology for the gold-quartz veins and occurs as narrow, 0.1-5.0 m. wide, E-W trending bands within the more massive biotite gneiss.

- Samples identified as carrying visible gold returned assays of 0.034-0.446 g/t Au. These samples included severe dilution from non-mineralized wall rock which would partially explain the low values. The other explanation is that the assay lab did not effectively metallic screen the entire sample to recover the observed native gold.

- Bondar-Clegg treated a 19.1 kg. sample from the trench and obtained 8.74 grams Au and 0.46 grams Ag. The grade of this sample is 458.13 g/t Au and 24 g/t Ag.

1987-1988

Valentine Gold established a bulk sample pilot mill and cored 43 diamond drill holes, with the following significant results:

- “C” Vein zone: Depth extension of the “C” vein (located 10-15 m. south of and parallel to the “36” vein), defined by a total of 10 drill intercepts are projected on longitudinal section by Gordon Allen, P.Geo. outlined an ore reserve calculation of 30,660 tonnes of 14.7 g/t Au (based on a 1.2 m. width) from the “C” vein. The “C” vein is located parallel to and 25-35 m. south of a 100 m. thick, steep south dipping altered amphibolite unit.

- “D” vein zone: The “D” vein is located along the south contact of the altered amphibolite unit. This vein has an inferred strike length of 500 meters, but no ore reserves have been calculated due to grades which average less than 3.4 g/t Au across 1.0 m. in the drill intercepts. The main feature of the “D” vein is a) amphibolite contact and b) fault-bound affinity. The “D” vein fault has led to poor recovery and consequent loss of fines as core drills cut this zone.

- “E” vein zone: The “E” vein was discovered by drilling towards a well defined Au soil anomaly 100 m. north of the “C” vein and 70 m. north of the “D” vein. The “E” vein is hosted by altered amphibolite, and is in close proximity to the gneiss/schist contact (10-40 m. to the north) and to a 2 m. wide, cross-cutting, (unit 5) quartz diorite dyke. DDH 87-14 recorded 7.75 g/t Au across a 0.3 m. wide fault zone @ 49.1-49.4 m. and 1.13 g/t Au

across 1.0 m. @ 78.0-79.0 m., suggesting the presence of two parallel vein zones.

- "A" vein zone: The "A" vein was intercepted by DDH 87-3 returning 1.58 g/t Au across 0.6 m. in a fault zone (28.5-29.1 m.). The "A" vein is located 20 m. south of the altered amphibolite contact, thus there is some speculation that it is the continuation of the "D" vein because if ones follows the zone west to 87-4, -5 (4.66 g/t Au over 1.0 m. and 1.06 g/t Au across 0.9 m. respectively), these intercepts align with a fault zone adjacent to the altered amphibolite, characteristic of the "D" vein.

- The results from drilling in the "Discovery Zone" resulted in the following 2-D polygonal mineral inventory calculation in 1989 by Gordon Allen, P.Geo. on the "C" vein zone:

CELL #	HOLE #	AREA m2	Tonnes @ 1.2 m. min. width	Au g/t @ 1.2 m. minimum width	Au grams
1	87-11	1054	3293	54.17	178381
2	88-16	996	3112	2.98	9269
3	88-18	1550	4843	0.34	156
4	88-17	1454	4543	1.41	6376
5	82-3	748	2337	0.65	1524
6	82-6A	530	1656	5.11	8460
7	82-6	530	1656	105.6	229952
8	87-22	980	3062	1.13	3453
9	88-14	1185	3702	1.06	3950
10	88-15	619	1934	4.97	9611
Totals			**30,660**	**14.7**	**450,700**

1988

Vancouver Petrographics Ltd. (Dr. John Payne, Dr Jeff Harris, & Wendy Sisson) prepared detailed reports on core and trench samples taken from gold bearing quartz/sulphide zones located 2.5 km. ESE of Valentine Mountain. A summary of their work is listed below:

- The main rock types which host ore in the vicinity of the "Discovery Zone" trenches are a) metasandstone, b) metasiltstone, c) metamudstone. Less abundant host rocks include garnet-bearing schist and a mafic volcanic rock altered to chlorite-carbonate-epidote-actinolite. Several 1-3 m. wide granodiorite/quartz diorite dykes/sills cut the above sequence.

- Regional deformation resulted in a series of SE trending folds with steeply dipping axial planes and moderately ESE plunging fold axes. Strongly folded, finely banded argillaceous schist is crosscut at a high angle by

quartz veins up to 10 cm. across. These veins are folded moderately to tightly about axes which may be coaxial to those which had already deformed the schist host rock. This suggests that two pulses of deformation occurred in the same stress field, and were separated by a tensional event during which quartz veins were introduced.

- Rocks from the “Braiteach Zone” are less deformed, and contain less interbedded argillaceous siltstone/mudstone than the “Discovery Zone”.

- Early quartz veins are distended and smeared out, being locally obliterated in part. Less deformed quartz veins may represent later veins which represent tensional dilation that crosscuts the regional trend of foliation at a small angle.

- The “Discovery Zone” gold bearing veins contain quartz which has deformed and partly recrystallized to much finer aggregates, with inclusions of quartz with abundant fine grained pyrite and/or pyrrhotite along grain boundaries. Native gold occurs in later, discontinuous veinlets and replacement patches, whose emplacement is moderately controlled by grain borders of deformed quartz. Locally, native gold (and pyrrhotite) occurs in tiny inclusions in coarse grained arsenopyrite.

- Paragenetic assemblages suggest that during metamorphism, native gold and arsenopyrite were concentrated into shears zones (preferentially in fold closures), and into quartz veins formed during early stages of deformation. The presence of K-spar envelopes and euhedral tourmaline suggests a component of hydrothermal contribution to Au-As bearing mineralization. At a later stage, further quartz veins formed, and gold migrated into some of these, possibly near the end of the deformational event.

1989

Noranda Exploration Ltd. performed work on the area of the West Leech claims as part of a geological, geochemical, geophysical and diamond drilling program that covered an area 3-5 km. east and west of Valentine Mountain. A summary of Noranda’s work is given as follows:

- Unit 2 gneiss (metasandstone) is divided into 2 sub-units: 2a) meta-greywacke has a better developed schistosity and higher % of lithic fragments than 2b and is generally darker colored, 2b) massive metasandstone light to dark grey colour with minor schistosity with 5% disseminated biotite. Unit 2b is very hard to break because it has been partially recrystallized.
- Unit 1 schist (metapelite) is divided into 5 sub-units: 1a) phyllite, extremely fine grained and fissile, with abundant sericite and minor biotite on cleavage surfaces as a result of retrograde metamorphism related to

movement along proximal faults. 1b) biotite schist, medium grey to black colour, quartz and biotite form light and dark bands 1-3 mm wide, garnet and/or andalusite/staurolite porphyroblasts are often observed within the biotite schist. 1c) Biotite-garnet schist, similar to 2b with the addition of 1-10 cm. reddish brown, euhedral garnet crystals. 1d) Biotite-garnet-staurolite schist, similar to 1c with the addition of euhedral staurolite commonly cruxiform. 1e) Biotite-garnet-staurolite-andalusite schist, similar to 1d with addition of 1-8 cm., pink andalusite porphyroblasts.

- Cataclastic textures observed in unit 1 schist consist of angular quartz fragments that have been deformed and flattened in the direction paralleling schistosity as a result of mechanical forces caused by proximal faults and/or overthrusts.

- Unit 5 Eocene intrusives consist of quartz diorite which occurs as a 2.8 km. long X 0.1-0.6 km. wide sill feature that widens out in Walker Creek. This quartz diorite has numerous 1-3 m. wide aplite sills with localized 1-3 mm wide orange-red colour, euhedral garnets.

- Unit 6 pegmatite is leucocratic with calcic feldspar, sericite, quartz and localized tourmaline crystals up to 10 cm. in length. Pegmatite dykes and sills range from 0.1-1.5 m. width and occur in the Walker Creek area.

- 1-5 cm. wide parasitic “S” and “Z” folds were observed in schist layers and quartz veinlets, which serve as a guide to direction of fold hinges and indicate a major E-W trending, gentle east plunging anticline along the axis of Valentine Mountain Ridge.

- Quartz veins occur throughout all rock units mapped and vary from 0.05 to 2.0 m. width. They are generally milky white “bull” quartz with occasional subhedral crystals. Limonite is frequently observed, minor fine grained pyrite and lesser pyrrhotite occurs as fracture coatings in quartz. Arsenopyrite crystals were observed in quartz veins and wall rock. There appears to be an association of arsenopyrite and gold bearing quartz veins.

- Gold bearing zones within the amphibolite are associated with pyrrhotite aggregates (forming 3% of total volume), however not all pyrrhotite zones contain gold mineralization.

- Quartz veins hosted in schist (metapelite) generally parallel well developed schistosity. In gneiss (metasandstone), quartz veins 0.05-0.1 m. wide cut sandstone beds at angles of 30-45 degrees, and bedding is at low angles to foliation.

- Variation in quartz veining between various lithological units reflects the units themselves, i.e. quartz vein material is of metamorphic origin with relatively minor influence of hydrothermal activity. Phyllites contain the least quartz and metasiltstones contain the most quartz, with amphibolite and metasandstone containing relatively medium amounts of quartz.

- Gold bearing quartz veins are predominantly hosted by metasandstone. The “B” quartz veins are translucent to transparent and commonly light orange in colour and the “C” vein is generally grey black in colour. Gold mineralization occurs within the vein material and the adjacent wall rock.

- Magnetometer data shows a strong, narrow, 120 trending dipolar (high and low) feature east of L 18100 E. In the area of the “Discovery Zone” this feature appears as a broad magnetic high over the amphibolite unit (probably caused by increased magnetite and/or pyrrhotite) and an adjacent magnetic low to the north which may reflect massive metasandstone. West of L 17600 E, a similar, narrow magnetic response has a more subtle character. The pronounced background and source shift hints at a possible fold axis occurring on L 17600 E at station20750 N (also observed in IP data).

- IP data from the west “Discovery Zone” indicates a chargeability/resistivity high and coincident Au soil geochemical anomaly between L 20600 E/20087 N and L 19600 E/ 20137 N. Core drilling this target between L 19800 E and L 19900 E proved to be successful in identifying two gold bearing zones localized along the contact of mixed metapelite/metasandstone and altered amphibolite. DDH 89-24 intersected 73.3 g/t Au across 0.37 m. @ 59.1-59.5 m.

- IP data from “BN” and “Braiteach” zones identified a similar IP chargeability/resistivity high and coincident Au soil geochemical anomaly between L 17150 E to L 18000 E located parallel and 50-125 m. north of the baseline.

- “Braiteach Zone” DDH 89-20 and 89-21 were collared on the west projection of Au intercept 4.66 g/t Au across 3.0 m. in DDH 88-12. DDH 89-20 cut 17.8 m. overburden, the following 99.1 m. cored through amphibolite with 5-7% quartz as stringers and veinlets with no significant Au values. Increased quartz, with 3-4% pyrite, pyrrhotite and chalcopyrite occur at 62.8-63.8 m. Fault breccia and gouge with 2-3% pyrite and pyrrhotite was cut at 76.5-77.8 m. An increase in biotite rich layers occurs at 77.8-84.4 m. with up to 4% disseminated pyrite, pyrrhotite and chalcopyrite. DDH 89-21 had 25 m. of overburden, followed by 86.1 m. of amphibolite. An increase in biotite rich layers with 4% disseminated pyrite, pyrrhotite and chalcopyrite occurs at 75.1-82.6 m. Fault gouge and shearing with 2-3% pyrite occurs at 93.5-94.7 m. and 103.3-109.0 m.

- “Discovery West” DDH 89-22,23,24 were drilled to intersect a deep IP target of high chargeability which coincides with anomalous Au geochemical anomaly and is interpreted as being the west extension of the “C” and “D” vein systems. DDH 89-22 cut 3 quartz veins, the largest being 20 cm., with mineralization consisting of 10% pyrite and 1% pyrrhotite. The “D” vein system located 4 m. above the metasandstone/amphibolite contact returned 740 ppb Au over 1.5 m. Within the amphibolite at 148.3-149.3 m. there is a 1.0 m. interval with visible gold that returned 0.926 g/t Au. DDH 89-23 cut two quartz veins, the largest being 0.35 m. wide with 1-2% pyrite and 1% pyrrhotite which are interpreted as the “C” vein system was intersected at 56.9-58.4 m. returning 1.37 g/t Au across 1.5 m. width and the “D” vein at 106.5-108.0 m. assaying 0.96 g/t Au across 1.5 m. DDH 89-24 cut 4 quartz veins, the largest being 0.41 m. wide, with 1-2% pyrite and less than 1% pyrrhotite. DDH 89-24 intersected 73.31 g/t Au across 0.37 m. @ 59.1-59.5 m. depth. This intersection is situated 2.2 m. above the metasandstone/amphibolite contact and is interpreted as the “D” vein system. At 69.0-70.0 m. depth, DDH 89-24 cut a biotite rich layer with 0.5% euhedral garnet porphyroblasts, 1-2% pyrite and 1% pyrrhotite which returned assay values of 5.21 g/t Au across 0.53 m. DDH 89-24 was stopped at too shallow a depth to intersect the projected IP chargeability anomaly, and was the final hole drilled by Noranda.

- Detailed mapping of the “BN Zone” shows the gold-bearing quartz vein systems are predominantly hosted by gneiss (metasandstone, unit 2), typically with 10-20% biotite and exhibiting “wood grain texture”. There is some interbedded biotite-garnet-staurolite schist (unit 1) at L 17600 E/20935 N where there are 5-25 m. wide quartz vein swarms along the contacts of unit 1 & 2. At the southern edge of the Au soil anomaly is a massive, chlorite altered amphibolite (unit 3).

- A total of 41 rock chip samples were taken with the following highlights:

SAMPLE #	Au ppb	As ppm	WIDTH m.
59655	5950	2219	0.03
58559	5530	3	0.05
59662	3960	1730	0.02
59660	3850	573	0.02

- “Braiteach Zone” trench sampling is summarized as follows:
    - Zone #1 outcrops in a road cut on J-6 logging road where specks of visible gold were found in limonitic, vuggy quartz hosted in a hydrothermal alteration zone within metasandstone. Out of 5 channels, 3 panels and 1 grab sample, the highest geochemical value returned was 390 ppb Au and 538 ppm As.

- Zone #2 is located 55 m. north of the baseline on L 16800 E where a 0.08 m. wide E-W trending quartz vein was channel sampled in 11 locations along the outcrop, returning a high value of 740 ppb Au, and 875 ppm As.
- Zone #3 is 80 m. WNW of zone #2 and consists of a main E-W trending, steep north dipping quartz vein with 10-20% quartz stringers 1 m. from the vein, which decrease with distance from the main vein. Results produced a high value of 150 ppb Au and 1063 ppm As.
- Eight chip samples from Zones #4-6 returned values up to 159 ppb Au and 25 ppm As.

- Rock chip sampling on the Peg and Bo Claim Groups (Walker Creek area), returned 0.67% Cu across 0.2 m. and 0.28% Cu across 0.1 m.

- Recommendations for further work include exploration and development of low tonnage, high grade ores shoots along the 7 km. strike length known to host gold-bearing quartz veins.

1994

Fairbank Engineering Ltd performs detailed mapping of the 'C' vein trench at a scale of 1:250. A total of 13 samples were taken ranging in width from 9-110 cm. Sample No. returned a value of 30.20 g/t Au across a width of 7 cm.

1998

A geological and exploration evaluation of the Valentine Mountain Gold Property was carried out by Burgoyne Geological Inc. (Burgoyne, 1998). The report concluded that the highest priority exploration targets include the areas 50-300 m east of and 200-600 m west of the mill site. The high priority areas include Discovery ("B" and "C" Veins) depth extension, Discovery West (Noranda DDH 89-24), and Log Dam (magnetic and Au in soil anomaly located approximately 300 m west of mill site). A separate geological evaluation of the Valentine Mountain Gold Project was carried out by W.R. Epp, P.Geo., who developed a new exploration model of subduction related mineralization in the Leech River Formation. Based on multi-depositional, subduction zone mineral deposit models, there is potential to discover porphyry copper-gold and related dyke-sill hosted gold, stockwork and breccia zones at depth. The geological model for a deep buried high tonnage, hydrothermal mineral zone is supported by the presence of auriferous quartz veins (e.g. 'C', 'B' and 'D' veins) which are believed to originate from underlying intrusives.

2000-2001

Beau Pre Explorations Ltd carried out a program of diamond drilling on the Discovery Zone ('B' and 'C' Vein structures). A total of 182.73 metres of BQ core drilling (DDH 00-01 to DDH 00-08) was performed from 6 different pads between the 'B' and 'C' Veins. Core drilling was set up to intersect the known 'C' vein

structure (which strikes 092 and dips 60-75 degrees south) at an oblique angle and to cut quartz veining that may be perpendicular to the known structure. The results of significant precious metal intercepts are listed as follows:

DDH	From	To	Width	Au Grade
00-03	10.37 m	10.61 m	0.24 m	3.22 g/t
00-03	22.81 m	24.33 m	1.52 m	3.98 g/t
00-06	4.03 m	4.42 m	0.39 m	0.65 g/t

- The presence of minor amounts of arsenopyrite as medium to coarse grained aggregates, are coincident with an increase in gold (Kikauka, 2001).

- A total of 4 shipments with a combined weight of 2.1 tonnes were processed through the Micronex dry mill. Sample material was collected from the 'Discovery - C Vein' trench and shipped to Delta, B.C. for assay balance and bench tests performed by Mineral Associates (R. Salter, Ph.D., P.Eng. and de Monte, Ph. D.) at Vancouver Blower, River Road, Delta, on behalf of First American Scientific Corp who have patented the KDS Micronex 'sonic wave' mineral processing machine. This high speed, chain driven 'sonic wave' mill also has applications in agricultural, forestry, and bio-solids. A total of 2.1 tonnes of quartz-sulphide vein material was crushed in a portable jaw crusher to less than 2.0 cm rock chips and processed in a rotor chamber where the high frequency, mechanically induced sonic wave reduced quartz-sulphide chips (which are fed into the machine on a conveyor belt) into 2-5 micron sized grains. These micro-grains are fractured and the light fraction is expelled by a classifier, with heavies falling into a clam-shaped trap at the bottom of the rotor. The 2,100 Kg of quartz vein sample was delivered in 50-60 gunny sacks and loaded into the Micronex mill by conveyor. Tests were carried out on six separate sections of the sample. Each of the six tests was weighed and gold assay of concentrate and tailings were recorded.

  - **Test # 1** Weight (grams) Gold Assay (g/t)
    Concentrate 355 25.58
    Tailing 6214 0.38
    Gold Recovery = 82.0 %

  - **Test # 2** Weight (grams) Gold Assay (g/t)
    Concentrate 1305 2.52
    Tailing 6214 3.24
    Gold Recovery = 17.1 %

  - **Test # 3** Weight (grams) Gold Assay (g/t)

Concentrate	539	67.07
Tailing	5732	0.67

Gold Recovery = 90.5 %

- **Test # 4**

	Weight (grams)	Gold Assay (g/t)
Concentrate	1078	16.40
Tailing	8683	1.32

Gold Recovery = 62.1 %

- **Test # 5**

	Weight (grams)	Gold Assay (g/t)
Concentrate	794	15.06
Tailing	8342	1.33

Gold Recovery = 52.2 %

- **Test #6**

	Weight (grams)	Gold Assay (g/t)
Concentrate	1419	2.07
Tailing	8512	1.36

Gold Recovery = 20.0 %

- Gold recovery was excellent in Test 1 and 3 where tailings contained less than 1 gram/tonne gold, including one as low as 0.38. Test 4 and 5 gave encouraging results. Test 2 and 6 results were unsatisfactory. Test 6 was a high temperature test (sample was heated to 350 degrees F), and can be discarded. Test 2 gave no apparent reason for being unsatisfactory although it did yield the highest weight recovery. Preliminary batch test-work on 6 samples yielded recoveries ranging from 17.1 % to 90.5 %. Further test samples should be larger in mass. A study of the tailings is necessary to optimize recoveries. Results from preliminary testing were encouraging and further on site processing using the KDS Micronex mineral processing machine is planned.

- The “Discovery West Zone-D Vein”, which is localized within a fault zone along a steeply dipping amphibolite/schist contact, is located 600 meters west of the “Discovery Zone”. The ‘Discovery West Zone’ features DDH 89-24 which intersected the “D vein” at 59.15-59.52 meters depth and returned 73.3 g/t Au across 0.37 m. A surface fault zone with quartz-pyrite-marcasite and native gold mineralization was localized along a schist/amphibolite contact with minor tourmaline and garnet alteration located 50 meters north of DDH 89-24. This gold bearing fault zone (see sample 599322 below) is interpreted as the ‘D’ vein which was intersected by DDH 89-24. The following table lists the results from 2001 field sampling of the “Discovery West - D Vein Zone”:

Sample#	Width	Description of rock chip sample taken from 'Discovery West Zone'	Au g/t
599321	0.3 m	15% quartz, 1% limonite, 1% pyrite in schist 200+52 N, 203+50 E	0.55
599322	0.5 m	Fault zone at schist/amphibolite contact, 20% quartz (vuggy), 2% limonite, 2% pyrite, trace visible gold in quartz 200+55 N, 203+50 E	100.08
599323	1.5 m	5% quartz as concordant 0.2-2.0 cm wide stringers, 1% limonite, 0.5% py., 3% calcite, 1% ankerite in unit 3 amphibolite, strike 100, dip -78 south20+115 N, 20+300 E	0.79

- The "Log Dam Zone" is located 1,100 metres west of the "Discovery Zone" and extends west for 250 meters to Tripp Ck. The Log Dam Zone features coincident geochemical (Au-As soil anomalies from Valentine Gold, 1986) and geophysical (IP and magnetometer anomalies from Noranda,1989) where a quartz vein was sampled in 1997 (at 201+75 N, 197+80 E), and returned a value of 94.70 g/t Au across 0.4 meters (Applied Mine Technologies sampling, 1997). The following table lists the results from 2001 fieldwork outcrop sampling of the "Log Dam Zone":

Sample#	Width	Description	Au opt (g/t)
599250	0.4 m	30% quartz, 2% limonite, 2% pyrite in schist/amphibolite contact 201+70 N, 197+85 E	32.02
599319	0.3 m	20% quartz , 1% limonite, tr. pyrite hosted in contorted amphibolite 201+60 N, 196+00 E	2.13

- Sample 599319 was taken 50 metres east of Tripp Creek where geological mapping indicates a major structural break occurs. The schist-phyllite-amphibolite bedrock lithology dips steeply south on the east side of Tripp Creek and dips steeply north on the west side of Tripp Creek. This structural break also coincides with the presence of increased sulphides east of Tripp Creek as demonstrated by the IP chargeability increases shown by Noranda's 1989 ground survey, and a ground magnetic low (<55,180 nT) located west of Tripp Creek, suggesting increased alteration and mineralization in the vicinity of Tripp Creek. Geological mapping near Tripp Creek shows contorted foliation and fabric, with random oriented fold hinge plunges, suggesting a complex folding and deformation history.

2002

Beau Pre Explorations Ltd completed a program of surveying and road improvement on the 'B' & 'C' Veins located on the southeast portion of the Blaze 2 claim.

- GPS and chain & compass surveying on the ‘B’ and ‘C’ vein were carried by Gordon Allen, P.Eng. The objective of the 1:500 scale surveying of the ‘B’ & ‘C’ Veins, millsite and tailings pond was to prepare the technical data needed to proceed with mining and milling approximately 1,400 tonnes from the ‘B’ Vein, and approximately 2,365 tonnes from the ‘C’ Vein. The proposal includes an open pit mining method to a depth of about 3 meters and a width of about 5 meters, with an approximate stripping ratio of 1.5: 1 (waste:ore). The waste would be used to backfill the open pit for reclamation. This proposal also includes ore processing on site, using the Micronex KDS ‘sonic wave’ dry separation mill.

- The physical work consisted of improving a 100 m section of the connecting road from the active logging road located north of the mill site. Ditch improvements, and the addition of coarse gravel to the road, was done by local contractors in July, 2002.

- In addition to detailed surveying of the ‘B’& ‘C’ Veins, millsite, & tailings pond a program of geological mapping, sampling and reclamation was carried out on the Discovery West trenches located about 500 meters west of the millsite. These trenches were excavated by hand in 2001 and previously sampled. “Discovery West Zone” is the west extension of the “D” vein zone and is located 600 m west of the ‘Discovery Zone’. Parallel and 50 m. north of the “Discovery Zone-C Vein” is the “D Vein”, which is localized within a fault zone along a steeply dipping amphibolite/schist contact. The ‘D’ Vein was observed in the ‘Discovery Zone’ where it was intersected by DDH 82-6A, 6, 5, & 21 with values up to 2.16 g/t Au across 1.3 m. The “Discovery West Zone” is 600 meters west of the “Discovery Zone”.

- The gold assays obtained from the ‘Discovery West D Vein’ that were taken in 2002 were similar to the results from 2001 samples. Values of 100.08 g/t Au (across a width of 0.3 m., sample taken in 2001) and 11.4 g/t Au (across a width of 1.0 m., sample taken in 2002) were taken from the same trench located on the surface trace of the “Discovery West” drill section DDH- 89-24 on L 20+350 E station 20+060 N. This 1.0 m wide zone is the surface trace of the ‘D’ vein. Diamond drilling by Noranda in1989 defined the ‘D’ vein when DDH-89-24 cut 73.31 g/t Au at a depth of 59.15-59.52 m. The correlation of high grade gold values in drilling and trenching plot on section at the contact of Leech River Fm actinolite-chlorite-biotite-quartz-carbonate-garnet-epidote amphibolite (to the north), and biotite-garnet-staurolite-andalusite-quartz schist (to the south). This contact trends at a bearing of 090, and dips -65 to -75 degrees south. The gold bearing mineralization is characterized by sparse pyrite and marcasite hosted in a sheared wall-rock with late quartz veins and quartz micro-veins. The following table lists significant results from 2002 field sampling of the “Discovery West Zone” and “D” vein zone:

Sample#	Width	Description	Au g/t
T-1 C	0.2 m	D Vein: 30% quartz as concordant 0.2-12.0 cm wide veins in shear zone, 1% limonite, 0.5% py. in unit 2 schist, strike 092, dip -80 south, trace native Au in quartz	20.600
T-1 D	0.6 m	12% quartz as concordant 0.2-3.0 cm wide vein, 2% limonite, 1% py. in unit 2 schist, strike 94, dip -80 south	9.640
T-1 E	0.2 m	Shear zone parallel to D Vein, 20% quartz as concordant 0.3-5.5 cm wide stringers, 2% limonite, 1% py. in unit 2 schist, strike 094, dip -79south	7.360
T-1 F	1.5 m	5% quartz as concordant 0.3-2.5 cm wide stringers, 2% limonite, 1% py. in unit 2 schist, strike 095, dip -77south	1.775

- The sampling of Trench 1 outlined a 1.0 m wide zone (sample T-1C,-D,-E) with a weighted average of 11.376 g/t. Further trenching and diamond drilling along the amphibolite-schist contact (where the 'D' Vein occurs), is planned for the 'Discovery West' Zone. Reclamation work performed on the 'D' Vein 'Discovery West' trench sites included backfill, re-contouring and seeding the hand dug excavations.

2003-2004

Beau Pre Explorations Ltd. undertook varied work programs on the Valentine Mountain Property, consisting of a baseline environmental study, a geotechnical assessment, decommissioning and reclamation report on the tailings dam, a preliminary Geographic Information System (G.I.S.) compilation, and a single 305 m. drill hole on the Discovery West Target.

- On March 4, 2003 Jacques Whitford Environment Limited submitted proposal No .BCI03006, subsequently revised and resubmitted on April 28, 2003 as proposal No.BCI60004 to Beau Pre Explorations Ltd. for baseline environmental monitoring, geotechnical assessment and decommissioning and closure for the Valentine Mountain Property. This proposal was designed to satisfy the permit requirements issued on July 17, 2002 by the B.C. Ministry of Energy and Mines for a 3000 tonne bulk sample from the Discovery Zone proposed by Beau Pre. The proposal was approved and the work was subsequently initiated, including a site visit on December 3, 2003 by Jennifer MacLean, P.Eng. of Jacques Whitford, accompanied by Jacques Houle, P.Eng.

- In late November, 2003 Don MacIntyre, PhD., P.Geo. was engaged to commence a Geographic Information System (G.I.S.) based compilation of prioritized data from the Valentine Mountain Property. Base maps were first created using publicly available TRIM data. All survey, drill hole

traces, trenches and selected geological data were scanned as raster images and/or digitized and geo-referenced to the TRIM base, beginning at the Discovery Zone area and working westwards. This work was not completed, with considerable data left to compile digitally.

- In November, 2003 the author was engaged by Beau Pre Explorations Ltd. to advise on and to help implement renewed exploration activity on the Valentine Mountain Property. It was decided that diamond drilling of one or more priority exploration targets would be the simplest way to accomplish this objective during the winter months, while advancing the knowledge of the property. A single hole (V-04-01) diamond drilling program began in late 2003 and was completed in early 2004 at the Discovery West, but failed to yield significant gold values.

2004-2005

In late 2004, Beau Pre Explorations Ltd. completed a 5 hole, 422.2 metre definition drilling program on the "C" vein at the Discovery Zone, bracketing the intercept from previous hole DDH 82-6 which returned 7.550 opt (258.86 g/t) Au across 0.5 m., with all five holes fanned from a single set-up. The drilling results were as follows, with pierce-point locations relative to that from DDH 82-6:

Hole #	Width (m)	Au g/t	As ppm	Vertical from 82-6	Horizontal from 82-6
DDH 1	1.52	0.658	353	15 metres below	10 metres east
DDH 2	1.52	0.024	457	5 metres above	10 metres east
DDH 3	1.62	2.470	1375	50 metres below	10 metres east
DDH 4	1.55	3.770	1025	15 metres below	15 metres west
DDH 5	1.37	0.768	482	10 metres below	35 metres east

In early 2005, the author was engaged by Beau Pre Explorations Ltd. to manage its mineral tenures covering the Valentine Mountain Property. Soon after the implementation of the B.C. Mineral Titles Online (M.T.O.) system, all the legacy claims at Valentine Mountain were converted to 4 cell mineral claims, as follows:

Tenure#	Owner	Map No.	Good to Date	Status	Area (ha.)
506801	101792 (100%)	092B	2006/FEB/14	GOOD	1198.055
506812	101792 (100%)	092B	2006/FEB/14	GOOD	1561.852
506818	101792 (100%)	092B	2006/FEB/14	GOOD	1390.107
506823	101792 (100%)	092B	2006/FEB/14	GOOD	1240.915
TOTALS					**5390.929**

2006-2007

In February, 2006 Beau Pre Explorations Ltd. reduced cell claim 506801 to 85.578 hectares to cover only the area of the Discovery Zone, paid cash in lieu of assessment work for the reduced claim, and allowed the remainder of the cell claims to forfeit. The area of the forfeited cell mineral claims was acquired by 6 different owners in 14 cell mineral claims, completely fractionating the former Valentine Mountain Property. No work was done by any owners in this period.

2008

From June to October, 2008 the author planned, executed and completed a report on a property-wide prospecting, rock sampling and stream moss mat sampling program (ARIS Report 30402). The field program consisted prospecting, rock sampling, and stream moss mat sampling by a 4 person team using primarily all-terrain vehicles along the extensive logging road network, working from a temporary trailer camp on the property from July 7 to July 14, 2008. Personnel working under the supervision and direction of the author consisted of prospector Dan P. Berkshire, geoscientist Ken Porteous and student Connor Porteous. During that period, a total of 67 rock samples and 43 stream moss mat samples were taken from the Valentine Mountain Property either by the author or by these personnel.

The stream moss mat samples were dried and shipped in their entirety to Acme Laboratories Ltd. in Vancouver for 36 element Group 1DX30 ICP analysis plus gold, platinum and palladium Group 3B assay. One of the moss mat samples was lost or destroyed in transit, resulting in 42 samples being analyzed. The rock samples were taken in duplicate, one from each of the 67 sample pairs which the author cut with a rock saw, and inspected and described using a binocular microscope; and the other 67 sample pairs were shipped to Acme Analytical Laboratories Ltd. in Vancouver for 40 element Group 7TX ICP analysis plus silver, gold, platinum and palladium Group 6 fire assay.

Both the moss mats and rocks yielded some erratic values for gold in some samples which resulted in significant delays while the laboratory attempted to resolve them with their internal QA/QC procedures. In the author's opinion, these were not entirely acceptable so a request was made to re-assay 18 of the 42 stream moss mat sample pulps for gold, platinum and palladium using the Group 3B assay method, and 11 of the 67 rock sample pulps for gold using the Group 6 gold metallics method. These results were compiled and averaged to produce final results, with selected geochemistry highlights from 20 of the stream moss mats and 14 of the rocks as follows:

MossMats				**Au**	**Cu**	**Pb**	**Zn**	**Ni**	**Co**	**As**
Sample #	**Easting**	**Northing**	**Elevation**	**PPB**	**PPM**	**PPM**	**PPM**	**PPM**	**PPM**	**PPM**
813401	435745	5373268	460	12.0	31.7	6.1	70	35.1	19.2	18
813403	433333	5374401	760	4.4	31.1	10.9	76	54.4	48.7	16.2
813405	437007	5373266	466	55.8	36	5.2	61	33.8	17.9	18.6
813406	435578	5373207	461	252.9	28.4	7	68	33.2	12.1	4.5
813407	437729	5374988	633	3.3	18.6	7.7	63	19.4	44.5	27.4
813414	430406	5378149	490	171.1	28.8	5.6	68	31.7	16.6	8.5
813416	428858	5377154	568	4.1	55.1	4.1	68	41.8	19.8	3.5
813418	429179	5373396	580	<0.5	54.7	2.8	42	27.2	18.6	0.9
813419	429882	5373201	476	65.3	35.7	4.9	45	36	22.5	2.8
813420	428001	5374807	751	14.9	72.3	8	87	53.5	56.6	2.7
813422	430954	5377989	482	126.5	27.3	6	66	29.1	18.1	7.9
813423	432019	5377463	504	80.6	27.1	6.4	72	32.9	36.7	7.5
813426	435361	5374623	721	1.9	30.3	22.4	186	112.3	905	12.3
813427	436264	5374866	627	10.6	37	9	101	46.4	86.9	86.8

813451	431605	5372883	429	210.8	34.8	3.6	67	44.6	21.9	4
813455	440007	5372623	525	1.7	142.5	14.1	81	31.6	152.1	3.6
813456	430743	5373858	398	698.7	30	5.1	61	29.2	15.3	11.8
813458	429752	5377603	479	357.0	29.5	5.4	64	29	18.7	8.4
813467	431958	5377306	508	73.8	25	3.8	65	32.4	34.5	9.1
813469	435642	5375145	692	92.6	30.4	6.3	81	28	39.9	15.4

Rocks				**Au**	**Mo**	**Ni**	**Co**	**As**	**Cr**	**W**
Sample #	**Easting**	**Northing**	**Elevation**	**G/T**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**Ppm**
813302	434520	5374250	818	0.57	0.5	4.9	2	956	18	1.3
813303	434505	5374253	821	0.01	0.7	3.3	1	156	14	<0.5
813309	428800	5377245	614	<0.01	19.9	48.8	16	<5	87	4.3
813310	428775	5377197	622	<0.01	1.3	62.8	29	<5	200	<0.5
813311	428775	5377184	620	<0.01	<0.5	86.4	36	<5	188	0.8
813324	433495	5374446	796	<0.01	1.1	32.4	12	6	76	9.6
813327	433465	5374445	792	0.05	1.1	10.7	3	536	43	0.8
813336	432944	5374498	771	0.03	1.1	35.8	12	15	76	12.8
813337	433649	5374531	797	0.06	1.1	41.6	14	25	86	20.3
813338	433780	5374499	806	0.18	1.2	27.8	11	422	74	104.4
813340	433787	5374539	809	0.77	1.6	33.4	10	27	67	4.8
813370	434428	5374372	804	0.04	0.7	128.4	37	21	274	1.4
813371	434435	5374352	808	0.24	<0.5	127.8	37	5	245	1.6
813372	432535	5374785	816	<0.01	<0.5	33.8	38	5	77	0.7

The stream moss mat samples yielded a high percentage (20 of 42 = 48%) with one or more elevated metal values. These fell into two distinct populations, consisting of 11 samples (26%) which yielded elevated values in gold only (>50 ppb); and 9 samples (12%) which yielded elevated values in one or more metals including copper (>50 ppm), lead (>10 ppm), zinc (>100 ppm), nickel (>50 ppm), cobalt (>50 ppm) and/or arsenic (>50 ppm). These results suggest the presence of upstream sources of at least two types of metallic occurrences, one of which is primarily gold-bearing. These appear to display two trends: one along the east-west structural corridor centred on the Discovery Zone, and another along a possible west-northwest northern corridor. Follow-up prospecting and more detailed stream moss mat sampling are warranted, particularly along the latter.

The rocks samples yielded only 6% (4 of 67) with elevated gold values (>0.10 g/t or 100 ppb), all located within 1 km. of the Discovery Zone, of which three (3) also yielded elevated arsenic values (>100 ppm). Many of the rock samples also yielded elevated values in one or more other metals including molybdenum (>10 ppm), nickel (>100 ppm), cobalt (>25 ppm), chromium (>100 ppm) and/or tungsten (>10 ppm). The 2008 program failed to discovery any significant new gold occurrences in outcrop, but did confirm the presence of the east-west structural gold corridor centred on the Discovery Zone.

2009

From August to October, 2009 the author planned, executed and completed reports on a field exploration program targeting the northern gold corridor on behalf of Mill Bay Ventures Inc. The report was not filed for assessment. The field program consisted prospecting, rock sampling, and stream moss mat

sampling by a 3 person team walking uphill along stream beds during low water flow conditions, taking stream moss mat samples every 100-200 metres, and rock samples wherever significant veins or sulphidic zones were exposed in stream beds. Personnel working under the supervision and direction of the author consisted of geologist Arnd Burgert, P.Geo., and field assistant Adrian Houle, commuting by truck daily from rented accommodations near Shawnigan Lake during the period September 21-24 2009. During that period, 12 rock samples and 34 stream moss mat samples were taken from the area of the Valentine Mountain Property either by the author or by these personnel.

The 34 stream moss mat samples were dried and shipped in their entirety to Acme Laboratories Ltd. in Vancouver for 36 element Group 1DX30 ICP analysis. The rock samples were taken in duplicate, one from each of the 12 sample pairs which the author cut with a rock saw, and inspected and described using a binocular microscope; and the other 12 sample pairs were shipped to Acme Analytical Laboratories Ltd. in Vancouver for 39 element Group 7TX ICP analysis plus gold, platinum and palladium Group 3B fire assay.

Mossmats			**Element**	**Au**	**Au**	**Cu**	**Pb**	**Zn**	**Ni**	**Co**	**As**
Sample #	**Easting**	**Northing**	**Elevation**	**PPB**	**PPB**	**PPM**	**PPM**	**PPM**	**PPM**	**PPM**	**PPM**
813428	435542	5375222	698	22.4		25.7	4.9	64	27.4	19.6	10.3
813429	435404	5375267	713	10.4		27.0	4.9	68	27.1	22.8	10.4
813430	435331	5375365	733	3.6		22.4	7.7	62	23.5	25.3	26.8
813431	435154	5375452	744	1.4		35.0	11.1	88	36.1	33.1	35.9
813432	435174	5375459	741	1.5		17.5	11.1	64	21.7	224.6	27.9
813470	429675	5377644	452	274.4		23.3	3.8	58	27.7	14.9	7.0
813471	429514	5377676	479	2.8		22.9	3.7	58	26.4	15.5	6.2
813472	429421	5377752	497	0.6		30.1	3.8	83	34.0	21.4	8.3
813473	429414	5377858	511	1.1		30.4	5.3	82	33.4	27.6	8.5
813474	431832	5377230	542	327.9		23.2	3.3	53	34.6	15.3	8.5
813475	431750	5377177	556	414.4	425.4	27.3	2.8	57	41.3	17.7	6.8
813476	431687	5377058	589	352.8		25.1	10.6	60	29.7	29.9	3.6
813477	431689	5377077	584	28.2		30.4	4.0	61	45.1	23.0	7.3
813478	431800	5376848	597	17.3		23.1	7.5	54	35.8	25.2	2.3
813479	431927	5376715	568	734.7		16.5	6.4	44	14.9	14.5	3.9
813480	432231	5376376	611	1.9		17.5	4.2	63	17.8	13.2	10.3
813481	432387	5376429	611	1.9		12.5	5.5	46	15.3	15.8	5.9
813482	432403	5376450	611	1.0		29.9	6.9	58	34.1	25.2	6.7
813483	432330	5376548	586	1.7		21.0	6.0	53	24.6	16.5	6.2
813484	432277	5376701	568	0.6		24.8	6.6	56	27.6	18.6	6.3
813485	432262	5376707	558	1.6		21.4	6.1	58	24.1	23.4	8.0
813486	432190	5376843	547	<0.5		27.5	4.0	67	31.7	18.4	5.4
813487	432090	5376966	538	1.5		16.4	7.6	43	15.8	24.2	2.9
813488	432099	5376953	535	6.7		23.8	4.4	58	26.3	16.0	5.5
813489	430559	5378232	488	1.7		22.9	5.7	66	29.0	28.0	8.6
813490	430586	5378332	491	35.8		24.3	5.3	60	25.7	14.5	8.1
813491	430830	5378468	500	63.4		24.4	5.8	56	25.7	13.2	8.9
813492	430874	5378600	517	67.1		24.7	5.9	60	26.9	14.4	9.2
813493	430915	5378849	525	190.8	6.8	25.5	6.0	64	28.0	15.6	9.0
813494	430855	5379087	539	139.5		24.8	7.4	65	31.1	16.4	12.5
813495	430826	5379033	528	71.9		24.8	5.3	60	27.2	14.0	7.7
813496	431001	5377971	502	43.9		19.6	4.7	54	20.1	12.0	27.0
813497	431017	5377956	499	154.3		22.3	4.6	60	26.6	15.4	6.3
813498	431742	5377673	504	2.7		23.9	5.3	61	27.9	15.1	7.1

The stream moss mat sample results yielded significantly elevated values for gold (exceeding 50 ppb) in 11 of the 34 samples (32%), including 5 samples (15%) exceeding 250 ppb. The elevated gold values are highlighted in the table above. Similar to the 2008 results in the area of the northern gold corridor, the 2009 results show elevated values for essentially gold only in some samples. It is also significant that the samples with elevated values for gold occur in sequential samples along streams, with clear cut-offs established at the sites of samples 813470, 813476, 813479, and 813497, also highlighted in the table above. The elevated gold values from these four sample sites define a possible west-northwest-trending zone over a strike length of 3 kilometres within the northern gold corridor along the northern slope of Valentine Mountain. The elevated gold values from samples sites 813491 to 813495 are open northwards well beyond the northern property boundary. The elevated cobalt value in sample 813432 is from a swampy area 3 kilometres southeast along the possible strike projection of the northern gold corridor. Refer to Figures 2c to 2e inclusive for 2008-2009 stream moss mat sample locations, geochemistry results for gold and arsenic, and the location of the two gold-arsenic corridors.

Rocks			**Element**	**Au**	**Pt**	**Pd**	**Cu**	**Zn**	**Co**	**As**	**Ba**
Sample#	**Easting**	**Northing**	**Elevation**	**PPB**	**PPM**	**PPM**	**PPM**	**PPM**	**PPM**	**PPM**	**PPM**
813342	429465	5377702	520	<1	<0.1	<0.5	34.8	33	5	<5	443
813343	429439	5377869	545	<1	<0.1	<0.5	4.9	12	2	<5	58
813344	429410	5377765	540	18	1	2.4	132.3	117	28	46	609
813345	431959	5377296	514	<1	0.1	<0.5	15.4	19	4	<5	188
813346	431742	5377158	556	<1	0.2	<0.5	22.7	62	10	<5	1115
813347	432190	5376843	547	<1	0.1	<0.5	57.6	57	9	<5	114
813348	430679	5378407	491	<1	0.3	<0.5	63.7	83	20	<5	1472
813349	430713	5378423	493	<1	0.1	<0.5	21.6	71	14	7	1158
813350	430764	5378441	497	<1	0.2	<0.5	38.1	85	17	<5	1252
813374	430878	5378554	500	<1	<0.1	<0.5	14.3	44	4	7	192
813375	430925	5378744	512	<1	<0.1	0.5	34.5	62	7	7	474
813376	430894	5379001	518	<1	<0.1	<0.5	8.8	22	2	<5	70

The rock samples yielded no significantly elevated values for gold or any other target commodity or pathfinder elements. One of the rock samples (813344) yielded slightly elevated values for gold, and for six other elements (platinum, palladium, copper, zinc, cobalt and arsenic). This sample was taken from a large angular float in a stream bed situated between stream moss mat samples 813472 and 813473, neither which yielded elevated gold values. The float sample consisted of a well banded and crenulated quartz-ankerite-biotite-sulphide vein containing minor aggregates of vuggy arsenopyrite and trace pyrite. Four other rock samples yielded slightly elevated values for barium.

In summary, the 2009 rock sampling program failed to discovery any significant new gold occurrences in outcrop, and also failed to explain the elevated gold values obtained in both the 2008 and 2009 stream moss mat samples. Therefore, it can be reasonably assumed that as-yet undiscovered bedrock sources of gold occur in the area of the northern gold corridor. These assumed sources are worthy of additional follow-up work to determine their specific

locations, characteristics, dimensions and grades by additional geochemistry, prospecting, trenching and sampling.

In December 2009, Mr. Andris Kikauka, P.Geo. completed a placer sampling program on Mill Bay's cell placer claims 575069 and 575070. The program consisted of extracted three 4 kg. samples of overburden (C horizon soil), two from near the Valentine Mountain Discovery Zone (VPLACER09-02, VPLACER09-03), and one from near the Discovery West Zone (VPLACER09-01). The geochemical analyses received from Pioneer Laboratories Inc. for gold analyses of the -80 mesh fraction yielded the following highlights:

Sample No.	Cu ppm	As ppm	Ag ppm	Au ppb
VPLACER09-1	46	835	1.6	1380
VPLACER09-2	31	385	0.8	205
VPLACER09-3	34	775	6.1	2870

Also in December 2009, Mr. Kikauka planned and completed a 5 hole, 545 m. diamond drilling program, consisting of 4 holes at the Log Dam Target and 1 hole north of the Discovery Zone, subsequently reported in March, 2010 (ARIS Report 31548). No significant gold intercepts were obtained in the drilling program.

Geological Setting and Mineralization

L.H. Fairchild (1979) completed a structural and metamorphic analysis of the Leech River Group in partial fulfillment of the requirements for a Masters degree at the University of Washington. Most of his work focused on the Valentine Mountain area. A point form summary of his study is listed below:

- Leech River Group consist of greenschist to amphibolite facies gneiss and schist metamorphic rocks Their protolith rock types listed in order of abundance are: pelite (shale), sandstone, volcanic, chert, conglomerate.

- Two Eocene deformational events, separated by a static period of unknown duration, consisted of fragmentation, rotation and regional shortening resulted in axial-plane cleavage, linear structures and coaxial mesoscopic parasitic folds about east-plunging fold axes.

- Amphibolite facies metamorphism resulted in biotite-garnet and staurolite-andalusite successively introduced by continuous reaction, which extended from the end of the first phase of deformation into the second phase.

- Greenschist facies metamorphism results in muscovite-chlorite-quartz assemblages.

- San Juan, Clapp Ck. And Leech R. faults are E-W trending, steeply dipping, relatively straight zones of regional sub-parallel fault traces. The Leech R. fault is interpreted to be a left-lateral strike-slip fault zone active during the Eocene-Oligocene-Miocene.

- In the Jordan R. valley southwest of Valentine Mountain, 10-50 m. wide coarse-grained biotite orthogneiss to granodioritic sills and related pegmatite dykes are concordant with regional schistosity.

- In both mesoscopic and macroscopic folds throughout the Leech R. Group, metasandstone and metavolcanic units behave competently and pelitic rocks, which typically filled-in between competent bodies, behaved in a more ductile fashion. This competency contrast indicates that buckling, rather than homogenous flattening or slip-folding, was the dominant mechanism of folding.

- Isoclinal F1 structures are refolded by F2 resulting in cylindrical folds which are generally asymmetric-open in the north study area, and progressively symmetric-closed to the south.

- Dominant foliation in the study area is steeply dipping, F2 axial planar.

Gay A. Wingert (1984) completed a B.Sc. thesis for U.B.C. entitled Structure and Metamorphism of the Valentine Mountain Area, SW Vancouver Island, BC. Her study is summarized as follows:

- The Leech R. Fm. underwent 2 stages of deformation and metamorphism which correlates with 2 stages of intrusion. Evidence for polymetamorphism is defined by distribution of staurolite and andalusite, indicating there was a primary metamorphic event which reached temperatures high enough to produce andalusite and a secondary metamorphic event of lower grade which only produced staurolite.

- The second stage of metamorphism began prior to the second stage of deformation.

- The final stages of igneous activity (presumed to have occurred in Late Eocene to Early Oligocene) coincide with dextral strike-slip movement along the Leech R. Fault. Retrograde alteration consists of staurolite & andalusite partially replaced by sericite-chlorite-quartz, garnets are crushed and altered to chlorite, and biotite and hornblende appears kinked and boudinaged. Late stage retrograde alteration is associated with late stage faulting and intrusive activity which produced dykes & sills, and gold-bearing quartz.

- The axial trace of a regional E-W trending anticline fold axis is centered on Valentine Mountain.

- Walker Creek is an axis for an E-W trending anticline fold axis

The B.C. Geological Survey Branch and the Geological Survey of Canada prepared a paper titled Andalusite in British Columbia- New Exploration Targets (Dr. G. Simandl, et. al., 1994). There was a chapter of this paper devoted to the Leech River Area with specific reference to potential economic deposits within the subject property. A point form summary of this paper is given below:

- Typical grades of primary "hard rock" andalusite ores vary from 7 to 20%. Typical production capacities of individual mines vary from 25,000 to 65,000 tonnes per year.

- The coarser the crystals, the easier it is to upgrade the ore. Garnet and staurolite typically coexist with andalusite and where grades and textures permit, they are recovered as byproducts.

- Most of the area east of Valentine Mountain contains andalusite strongly retrograded to either mica and staurolite or mica and chlorite. The retrograde alteration appears to be strongest in the "Discovery Zone".

- The degree of retrograde alteration diminishes west of Jordan River where an E-W trend is especially interesting and may host zones of economic andalusite-garnet-staurolite.

- There is a 6 m. wide zone of schist with 5-10% andalusite, surrounded by a felsic intrusion.

The following geology legend lists rocks in the Valentine Mountain Property area on Southern Vancouver Island, with symbols also appearing in Figure 1e.

EOCENE TO OLIGOCENE
Mt. Washington Plutonic Suite
EOIM quartz dioritic intrusive rocks

UPPER EOCENE TO OLIGOCENE
Carmanah Group
EOIC undivided sedimentary rocks

PALEOCENE TO EOCENE
Metchosin Igneous Complex
PeEMMvb **Metchosin Formation:** basaltic volcanic rocks
PeEMSgb **Sooke Gabbro:** gabbroic to dioritic intrusive rocks

LATE CRETACEOUS

LKJ **Jordan River Metagranodiorite:** granodioritic intrusive rocks

JURASSIC TO CRETACEOUS

Leech River Complex

JKLS **Survey Mountain Volcanics:** bimodal volcanic rocks

JKL greenstone, greenschist metamorphic rocks

EARLY JURASSIC TO MIDDLE JURASSIC

Island Plutonic Suite

EMJIgd granodioritic intrusive rocks

LOWER JURASSIC

Bonanza Group

LJBca calc-alkaline volcanic rocks

The Leech River Formation is affected by greenschist to amphibolite grade metamorphism. A well developed foliation and dominant east-west trending fabric is present throughout the thrust fault-bounded Leech River Formation. There is considerable left lateral displacement on the Leech River Fault. The dynamic emplacement of the Leech River Formation suggests that southern Vancouver Island was formed during a major Eocene age accretion, coinciding with extensive sea-floor basalt and gabbroic intrusions of the Metchosin Complex. The Valentine Mountain Project is underlain mainly by the Leech River Complex metasediments and metavolcanics, with intrusions of Mt. Washington Suite and the Jordan River metagranodiorite. The following lithologies were recognized:

EOCENE TO OLIGOCENE

***Mt. Washington Plutonic Suite* - EOIM**

- Pegmatite, leucocratic with calcic feldspar
- Quartz diorite – Unit 5

LATE CRETACEOUS

***Jordan River Metagranodiorite* - LKJ**

- granodioritic intrusive rocks – Unit 4

JURASSIC TO CRETACEOUS - JKL

Leech River Complex

- Amphibolite (metavolcanic), 20-60% actinolite, 10-20% chlorite, 1-4% calcite as stretched vesicles – Unit 3
- Biotite gneiss, (metasandstone, greywacke) weakly developed gneiss texture, locally feldspathic - Unit 2
- Biotite-garnet-staurolite schist (metapelite), cruciform, euhedral porphyroblasts of staurolite, 1-4% almandine garnet – Unit 1
- Biotite-garnet schist, 1-3% euhedral almandine garnet – Unit 1

The low grade metamorphism has produced abundant quartz veining which occurs as milky white to clear veins and micro-veins forming 1-20% of the volume of bedrock. The gold bearing veins are distinct from the metamorphic quartz. The gold bearing veins are weakly mineralized and contain quartz which has deformed and partly re-crystallized into much finer aggregates, with inclusions of quartz with abundant fine grained pyrite and/or pyrrhotite along grain boundaries. Native gold occurs in later, discontinuous veinlets and replacement patches, whose emplacement is moderately controlled by grain borders of deformed quartz. Locally, native gold occurs as tiny inclusions within coarse grained arsenopyrite. Paragenetic assemblages suggest that during metamorphism, native gold and arsenopyrite were concentrated into shears zones (preferentially in fold closures), and in part into quartz veins formed during early stages of deformation. The presence of K-spar envelopes and euhedral tourmaline suggests a component of hydrothermal contribution to Au-As bearing mineralization. At a later stage, further quartz veins formed, and gold migrated into some of these, possibly near the end of the deformational event. Greenschist metamorphic grade is indicated by muscovite-chlorite-quartz assemblages. Associated retrograde metamorphism accounts for vuggy and/or ribbon textured quartz which parallel and cross-cut the country rock schistose fabric. In detail, the texture of the ribbon veins are a combination of elongate and deformed quartz grains which are restricted to bands, fine grained recrystallized grains and sub-grains which mantle and cut older relict crystals (Dowling, 1988). Retrograde alteration consists of staurolite and andalusite partially replaced by sericite-chlorite-quartz. Retrograde alteration has also produced fine grained garnets that are crushed and altered to chlorite, biotite and hornblende. Late stage retrograde alteration is associated with Eocene faulting and intrusive activity (dykes-sills) with related gold-bearing quartz vein system.

Deposit Types

Placer gold was discovered in the 1860's in sand and gravel alluvium along the San Juan, Leech, Jordan, Sombrio and Loss Creek drainage basins, with minor past production documented. The Leech River had been hydraulic mined intermittently until 1941. Nuggets up to 1 ounce and a total production of 10,000-20,000 ounces of gold may have been sluiced from gravel/bedrock contacts along riverside bars. The principal bedrock source of Leech River gold may be from the area of Valentine Mountain (MINFILE 092B108), located directly west and uphill from the placer district. Therefore, the main target mineral deposit type for the Valentine Mountain Project is mesothermal quartz vein deposits, as described in BC Mineral Deposit Profile I01 Au QUARTZ VEIN.

Base and precious metal lode deposits in Southern Vancouver Island consist of massive sulphide, skarn, quartz vein and magmatic types. Kuroko type volcanogenic Cu-Pb-Zn-Ag-Au massive sulphides occur near Mt. Sicker. Past producers in this area include Lenora, Tyee, Richard III and Victoria (MINFILE's 092B001,-002,-003 and -004), and the Lara developed prospect (MINFILE

092B129) has a reported mineral inventory estimate of 529,000 tonnes @ 1.11% Cu, 1.22% Pb, 5.87% Zn, 4.73 g/t Au and 100.1 g/t Ag. Cu skarns in the Cowichan Lake area including Blue Grouse and Sunnyside (MINFILE's 029C017 and -108) have produced in excess of 15 million pounds of copper and 75,000 ounces of silver. Shear-hosted or Gabbroid Ni-Cu deposits occur near Sooke, including Margaret and Willow Grouse (MINFILE's 092B090, -010) and near the mouth of the Jordan River at Sunro (MINFILE 092C073). Past production includes several million pounds of copper as well as minor silver and gold. Sunro has a reported mineral inventory estimate of 1,470,000 tonnes @ 1.43% Cu.

Exploration

Mill Bay Ventures Inc., the current owner of the Valentine Mountain Property began acquiring mineral claims in late 2007, completed systematic exploration and evaluation of the Property in 2008 to 2009, and filed technical assessment work and reports to maintain the cell mineral and placer claims in good standing. Mill Bay also completed a targeted soil and rock geochemistry program (Braiteach/BN Zone), and diamond drilling programs in 2009 (Log Dam Zone), 2010 (Discovery Zone and Braiteach/BN Zone), and 2011 (Discovery Zone).

2010

In early 2010, Mr. David McLelland of Auracle Geospatial Science Inc. completed a Radarsat 2 and Multispectral Image Remote Sensing Fusion GIS Integration and Modeling of the Valentine Mountain Property, including a report (included as Appendix 4) which was not filed for assessment. The work consisted of initially gathering all available maps, files and digital data, and acquiring remote sensing data. Hard copy data was scanned, digital data was integrated, and remote sensing data processed together with publicly available geographic and geoscience data in preparation for data integration, fusion and analyses. The result of these analyses is a Special Decision Support model. The purpose of the model is to exploit new remote sensing data, and optimize the existing archived data in an environment which can increase spatial accuracies and disclose mathematical and visual relationships previously undetected. Radarsat-2 Synthetic Aperture C-Band Microwave Radar image data was fused with ASTER multispectral data and analyzed for textural and spectral signals which correlate to the mineralization established within the Valentine Mountain mineral occurrences. This work disclosed buried linear structures that may be important vectors in the development of Valentine Mountain. The alignment of spatial data also detected correlations between spatial distributions of gold and arsenic and the linear structures disclosed.

During 2010, Mr. McLelland also completed a high resolution GPS survey of selected drill collars and trench sites on the Valentine Mountain Property, enabling geo-referencing of those drill collars and trenches. Also in 2010, Mr. Arnd Burgert, P.Geo., completed digital data entry of selected data from historic

(1982 to 2009) diamond drill logs from the Valentine Mountain Property. Together, this work allowed the author to import all historic drill data and selected trench data (as drill holes) into the Geosoft Target program for plotting digital plans and sections of the drill and trench data.

In late 2010, Thurber Engineering Inc. completed a site inspection and preliminary technical evaluation of the tailings dam on the Valentine Mountain Property, for which a letter report appears as Appendix 3. At the same time, mechanized re-excavation of, and pumping water from, the historic trenches in the Discovery Zone was commenced for the purpose of re-sampling and re-mapping of the gold bearing quartz veins. This work was suspended before completion by the onset of winter conditions. Five select rock grab samples were taken and sent to ALS Minerals for analyses using their Au-TL-44 method, including three from the north-south crosscut trench, which yielded low gold values, and two from the B Vein Trench which yielded 25.7 g/t gold over 0.23 m., and 57.4 g/t gold over 0.22 metres.

2011

In early 2011, Mr. Andris Kikauka, P.Geo. designed and completed a rock and soil geochemical sampling program at the Braiteach/BN Zone on the Valentine Mountain Property, with 15 select rock chip and 175 grid soil samples taken. The best values from the rock samples was from sample 75962 which yielded 0.480 g/t gold and 10,870 ppm arsenic over 0.5 metres. Soil sample results yielded many samples with elevated values up to 1,020 ppb gold, including a 200 m. by 300 m. area of generally elevated gold values. Four rock chip samples failed to yield significant gold values from this area, situated within the 400 m. strike length west of rock sample 75962 and east of historic diamond drill hole 99-1, which yielded intercepts of 0.499 g/t gold over 5.30 m. and 0.554 g/t gold over 10.64 m. Maps showing sample locations, and gold and arsenic geochemistry data appear as Figures 3a, 3b and 3c, respectively, and the soil and rock geochemistry reports appear in Appendix 5.

Drilling

In late 2010, Mr. Andris Kikauka, P.Geo. planned and completed a 10 hole, 1,775 metre diamond drilling program at the Discovery Zone on the Valentine Mountain Property. Mill Bay Ventures Inc. established a core handling facility in Sooke, B.C., where all drill core from this program was logged, sampled using a core saw, and permanently stored, along with drill core rejects subsequently received from the laboratory.

Initial geochemistry results from all ten holes were received in early 2011 from ALS Minerals, using their ME-MS41 and Au-TL44 methods. Core rejects from selected intervals, and re-sampled quartered core intervals, were re-assayed using ALS Minerals' Au-SCR24 method. Eight core samples in seven holes

yielded significant intercepts with gold values exceeding 1 g/t, based on the results using the Au-SCR-24 method, summarized in the following table:

Hole Number	Vein	From (metres)	To (metres)	Interval (metres)	Gold g/t
V10DDH-1	B	86.56	88.39	1.83	1.75
V10DDH-3	B	100.00	100.83	0.82	11.95
V10DDH-6	E	46.97	47.43	0.46	1.39
V10DDH-7	C	26.21	26.82	0.61	2.68
V10DDH-8	C	40.54	41.91	1.37	13.05
V10DDH-10	B	99.67	101.19	1.52	1.06
V10DDH-10	E	108.20	109.73	1.52	1.41

Also in early 2011, Mr. Andris Kikauka, P.Geo., designed and completed a six hole, 1,464 m. diamond drilling program, consisting of three holes totaling 763.2 metres at the Braiteach/BN Zone, and three holes totaling 700.9 metres at the Discovery Zone. The Braiteach/BN Zone drilling program did not adequately test the historic drill hole 88-12 intercept (4.572 g/t gold over 3.0 metres), the historic drill hole 99-1 intercepts, nor the area of the 2011 gold in soil anomaly. The Discovery Zone drilling program was designed to test previously untested areas of maximum gold grade x thickness values primarily within the C Vein, located east and down-plunge of the indicated mineral resource blocks, and successfully pierced target locations in all three holes.

All drill core from the 2011 program was logged, sampled using a core saw, and permanently stored in the Company core handling facility in Sooke, B.C., along with drill core rejects subsequently received from the laboratory. Initial geochemistry results from all six holes were received in mid- 2011 from ALS Minerals, using their ME-MS41 and Au-TL44 methods. No elevated gold values were achieved in the three holes from the Braiteach/BN area, and only slightly elevated gold were achieved from two of the three holes from the Discovery Zone. Core rejects from selected samples from the Discovery Zone holes were re-assayed using ALS Minerals' Au-SCR24 method. Two core samples in three holes yielded significant intercepts with gold values exceeding 1 g/t, based on the results using the Au-SCR-24 method, summarized in the following table:

Hole Number	Vein	From (metres)	To (metres)	Interval (metres)	Gold g/t
V11DDH04	B	172.82	174.13	1.31	1.22
V11DDH05	B	194.10	195.74	1.65	1.11

Sample Preparation, Analyses and Security

Sample preparation and analytical techniques used for different media from the Valentine Mountain Property have varied over time; and different qualified persons have used different analytical laboratories at different times. However, during the period from 2008 to 2011, all samples from all media taken from the property were kept secure by a qualified person from the time taken to the time of

shipment to the analytical laboratory, and all preparation of all samples was done exclusively by the laboratory where the samples were sent, and which reported analytical results to the qualified person. A summary of laboratories and methods used for different programs is as follows:

Analytical Laboratories and Methods Used by Field Program

Year	Program	Media	Number Samples	Lab. Name	Prep. Method	Gold Method	Multi-Element	Gold Re-assay
2008	Geochemistry	moss	43	Acme	SS80	3B 30	1DX 30	
2008	Geochemistry	rock	67	Acme	R150	G6 30	7TX 0.5	G6.ME
2009	Geochemistry	moss	34	Acme	SS80	3B 30	1DX 30	
2009	Geochemistry	rock	12	Acme	R150	3B 30	7TX 0.5	
2009	Geochemistry	soil	3	Pioneer	Soil	AA 20	ICP 0.5	
2009	Diam. Drilling	core	138	Pioneer	Core	AA 20	ICP 0.5	
2010	Geochemistry	soil	182	Pioneer	Soil	AA 20	ICP 0.5	
2010	Geochemistry	rock	15	Pioneer	Rock	AA 20	ICP 0.5	
2010	Geochemistry	rock	5	ALS	Rock	AuTL44	MEMS41	
2011	Diam. Drilling	core	505	ALS	Core	AuTL44	MEMS41	AuSCR24
2011	Diam. Drilling	core	699	ALS	Core	AuTL44	MEMS41	AuSCR24

Data Verification

The author has reviewed all available historical and modern data on the Valentine Mountain Property, including all drilling data, as part of completing the mineral resource estimate report which appears in Appendix 1. This includes inspection of partially re-excavated historical trenches, and of selected drill core intervals from recent drilling programs completed in 2009, 2010 and 2011. No attempt has been made by the author to re-sample historical drill core, since the pre-2009 drill core has been either destroyed or is in a poor state of preservation.

Selected check sampling of C Vein trenches was not possible since the C Vein Trench was not re-excavated. Select grab check sampling of B Vein trenches by the author or Mr. Kikauka in 2010 yielded comparative results with historic representative chip sample results from approximately the same locations, as follows:

Year	Sampler	Au g/t	Year	Sampler	Au g/t
1985	Falconbridge	19.6	2010	Kikauka, A.	57.4
1985	Falconbridge	16.79	2010	Kikauka, A.	25.7
1985	Falconbridge	0.80	2010	Houle, J.	0.175

Mineral Processing and Metallurgical Testing

According to British Columbia MINFILE records for Valentine Mountain MINFILE 092B108, two brief periods of minor mineral processing occurred on site, once in 1984 and again in 1996, tabulated as follows:

Year	Operator	Tonnes Milled	Metals	Recovered g	Recovered kg
1984	Beau Pre	6	Silver	2,541	
			Gold	160	
			Lead		47
			Zinc		19
1996	Beau Pre	68	Gold	Not available	

Bulk sampling and/or metallurgical testing of material extracted from surface trenches in the Discovery Zone has occurred over several periods by different operators using different test facilities, updated from Grove (1990) with data from Kikauka (ARIS report 27107), and tabulated as follows:

Mo/Yr	Test Facility	Dry Wt. (kg)	Au g/t	Ag g/t	Sample Location
7/79	Asarco Tacoma	335.54	9.26	7.20	A Vein
3/84	Cominco Trail	101.15	165.29	20.57	36 (B) Vein fines
3/84	Cominco Trail	134.26	632.47	42.86	36 (B) Vein grab
7/84	Cominco Trail	1,886.52	7.20	77.14	36 (B) Vein E. end fines
7/84	Cominco Trail	3,758.98	11.93	637.71	36 (B) Vein E. end bulk
11/85	Bondar-Clegg	19.09	458.13	24.00	A Trench (tabling)
?/85	Lakefield Res.	15.37	9.72	n/a	A Trench E. end S. vein
?/85	Lakefield Res.	108.09	2.47	n/a	A Trench S. wall vein
?/85	Lakefield Res.	39.61	38.34	n/a	A Trench N. wall vein
8/86	Sando Industries	136.08	190.53	n/a	A Trench (gravitation)
87-88	Bacon-Donaldson	168.74	13.41	n/a	A Trench
87-88	Bacon-Donaldson	165.56	13.10	n/a	Falconbridge #1 Trench
87-88	Bacon-Donaldson	182.80	4.94	n/a	Falconbridge #1 Trench
87-88	Bacon-Donaldson	224,169.12	0.51	n/a	#1 Trench D-14
87-88	Bacon-Donaldson	166,924.80	3.63	n/a	36 (B) Vein East
87-88	Bacon-Donaldson	201,398.40	0.91	n/a	36 (B) Vein West
?	Nesmont	136.08	190.53	n/a	A Trench
?	Nesmont	45.36	164.57	n/a	36 (B) East
?	Nesmont	157.40	263.59	n/a	36 (B) West

Mineral Resource Estimates

In early 2011, the author completed a mineral resource estimate for the gold quartz veins at the Valentine Mountain Property, and issue a report dated April 14, 2011. The In-situ, un-diluted mineral resource estimates for 3 gold quartz veins in the Discovery Zone (C, B and E Veins) plus 1 gold quartz vein in the Discovery West area (C Vein) are summarized below:

Mineral Resource Estimates as of April 14, 2011

Zone / Vein	Tonnes	Au g/t uncut	Au g uncut	Au g/t cut	Au g cut	Category
Discovery C	23005	33.4	768984	17.1	394457	Indicated
Discovery B	32100	4.1	130344	3.8	120352	Indicated
Total	**55105**	**16.3**	**899328**	**9.3**	**514807**	**Indicated**
Discovery E	8485	4.2	35468	4.2	35468	Inferred
Disc. West C	12215	35.4	432278	-	-	Inferred
Total	**20700**	**22.6**	**467746**	**-**	**-**	**Inferred**

This mineral resource estimate takes into consideration all known drilling and trenching completed on and documented for the Property from 1982 to the end of 2010, replaces all previous mineral resource estimates, and meets all standards and guidelines of both National Instrument 43-101 and the Canadian Institute of Mining's Definition Standards. Included in the report are geological interpretation and modeling of all the known gold-bearing veins on plans, cross sections and longitudinal sectionals, including gold grade x true thickness values contoured and displayed on individual longitudinal sections for each of the veins. These were used to establish vectors for higher value mineralization within the veins.

The author subsequently updated and revised mineral inventory estimates for the Discovery Zone C Vein to reflect the results of the 2011 drilling program at the Discovery Zone, summarized and re-stated in the following table, with the complete report appearing in Appendix 1:

Mineral Resource Estimates as of October 15, 2011

Zone / Vein	Tonnes	Au g/t uncut	Au g uncut	Au g/t cut	Au g cut	Category
Discovery C	22663	33.8	765814	16.8	381103	Indicated
Discovery B	32100	4.1	130344	3.7	129352	Indicated
Total	**54763**	**16.4**	**896158**	**9.3**	**510455**	**Indicated**
Discovery E	8485	4.2	35468	4.2	35468	Inferred
Disc. West C	12215	35.4	432278	35.4	432278	Inferred
Total	**20700**	**22.6**	**467746**	**22.6**	**467746**	**Inferred**

Adjacent Properties

The Valentine Mountain Property cell mineral claims are otherwise surrounded by several small blocks of cell mineral claims held by various individual, and are adjoined by to the west by a large block of contiguous cell mineral claims held by Pacific Iron Ore Corporation (Owner Client #222466), owner of extensive cell mineral claims throughout Vancouver Island.

The cell mineral claims of the Valentine Mountain Property surround a cell mineral, with details summarized below.

Owner Client#	Owner Name	Tenure #	Good to Date	Area (ha.)
139430	Brookes, Clive G.	528199	2012/JUN/03	128.373

Although this cell mineral claim does not host documented MINFILE occurrences, it lies within or along the projection of the "Gold Mineralization Corridor" as suggested by A. Burgoyne (1998). Cell mineral claim 139430 hosts the Fred East and Fred West Targets.

Other Relevant Data and Information

Several material assumptions were made in preparing this report. Perhaps the most significant assumption is that metal mining and mineral exploration are considered to be socio-politically acceptable and environmentally permissible activities on Southern Vancouver Island by local residents and by the provincial and federal environmental permitting agencies. No new metal mining and milling operation has been permitted on Vancouver Island since the Island Copper Mine in the 1970's. The only currently operating metal mining and milling operation on Vancouver Island is Myra Falls, which faces constant struggles against anti-mining organizations. It is unknown what the social repercussions will be to Mill Bay Ventures Inc.'s plan to establish an exploration program and possible development and mining operations at Valentine Mountain. If Mill Bay discovers one or more major mineral deposits on its properties and decides to install larger mining and processing facilities, the social and environmental repercussions are completely unknown. Another significant assumption is that the security of Mill Bay's mineral tenure for its Valentine Mountain Project will not be adversely impacted by any future aboriginal land claims resulting from the ongoing treaty process. It has been assumed that the Ministry of Energy and Mines will continue to act as the lead government agency in permitting activities, and that it will be effective in this role on behalf of Mill Bay and the Valentine Mountain Project, and that the right to mine exists.

Interpretation and Conclusions

The Valentine Mountain Project hosts two significant portions of a 7 kilometre by 500 metre corridor of structurally deformed meta-sedimentary, meta-volcanic and minor felsic intrusive rocks containing at least five known gold quartz vein occurrences. Individual gold occurrences appear to consist of clusters of stacked, narrow, sub-parallel gold quartz veins which occasionally contain high grade gold shoots of unknown distribution and orientation. The mineral rights over portions of the "corridor" not currently owned by Mill Bay should be acquired. A substantial amount of exploration work has been done in the project area over 33 years by several different operators, much of it focused on four parallel veins in the Discovery Zone, but none of the work sustained for more than 2 years' duration. The C Vein in the Discovery Zone hosts a small, high grade indicated mineral resource, and has seen very minor past production from surface trenches, including some reportedly spectacular coarse gold specimens.

Similarities to other successfully mined gold quartz vein deposits both worldwide and within British Columbia have been noted by several authors in describing Valentine Mountain, one being the Bralorne Gold Mine in South-Central B.C. Bralorne Gold Mines Ltd., the owner, is currently undertaking an industry standard type underground exploration and bulk sampling program on several gold quartz vein targets, and has recently commenced commercial production at an initial rate of 100 tonnes per day using a gravity and flotation plant on site.

The purposes of such an underground bulk sampling program as being conducted by Bralorne are as follows:

- To establish measured and indicated mineral resources by exposing selected areas of each gold quartz vein in three dimensions by drifting and raising along veins for detailed mapping and chip sampling, plus tactical diamond drilling as required to optimize drifting and raising
- To improve the understanding of mineral occurrences on the property as a whole, by projecting new-found knowledge to exploration on other gold quartz vein occurrences
- To determine and optimize parameters for possible future underground mining operations, such as rock stability, mining methods, wall-rock dilution, and grade control
- To determine and optimize parameters both for current and for possible expanded future mining and mineral processing operations

It is appropriate for Mill Bay Ventures Inc. to consider undertaking a similar underground bulk sampling program at Valentine Mountain, in conjunction with the following proposed steps:

- Continue prioritized and systematic surface exploration work on both known and new gold targets in the project area, aimed to expand indicated mineral resources as possible future bulk sampling targets, and to expand and upgrade inferred mineral resources.
- Complete industry standard preliminary scoping study for the indicated mineral resources in the Discovery Zone at Valentine Mountain, and update the scoping study as more information is obtained.
- If appropriate, resume industry standard baseline environmental monitoring and ML/ARD program at Valentine Mountain as commenced in 2003 by Jacques Whitford Environmental Ltd. and tailings dam reclamation work as proposed in 2010 by Thurber Engineering Ltd.
- If appropriate, undertake underground bulk sampling program on the Discovery Zone at Valentine Mountain, as documented by Chamberlain (1988) of Dolmage Campbell Ltd. designed to establish measured mineral resources, updated using modern cost estimates

Recommendations

Based on the interpretations and conclusions above, a multi-faceted, two-phase, $4 million is proposed for the Valentine Mountain Project. The main budgetary emphasis of the proposed work on the Valentine Mountain Project is aimed at increasing confidence in the known mineralization at the Discovery Zone, using both surface work and two sub-phases of underground work to establish a meaningful, industry standard bulk sampling program. The knowledge gained from the work in the Discovery Zone will be used in property scale exploration on other known targets, initially including the Discovery West Zone, and for the discovery and advancement of other new targets on the project area, initially including the Northern Gold Corridor. The proposed work program is as follows:

Table 5 – Proposed Work Program

Item	Item Description	No.Units	Units	Unit Cost	Item Cost
Discovery	Backhoe - trenching	5	Days	$1000	$5,000
Zone and	Geologist – map, sample	10	Days	$750	$7,500
Discovery	Geochemistry/Assays	50	Samples	$50	$2,500
West Zone	Polished Thin Sections	5	Samples	$1000	$5,000
Surface	Diamond Drilling	1500	Metres	$150	$225,000
Program	Reports	20	Days	$750	$15,000
	Taxes & Contingencies			15%	$40,000
Subtotal	**Known Targets**				**$300,000**
Northern Gold	Geologist	1	12 days	$750	$9,000
Corridor	Field Assistants	4	5 days	$250	$5,000
Exploration	Geochemistry	150	samples	$40	$6,000
	Taxes & Contingencies			25%	$5,000
Subtotal	**New Targets**				**$25,000**
Preliminary	Engineering Consultant	4	months	$20000	$80,000
Scoping Study	Taxes & Contingencies			25%	$20,000
Subtotal	**Preliminary Study**				**$100,000**
TOTAL	**PHASE 1**				**$400,000**
Baseline	Enviro. Consultants	2	Per Yr.	$7,500	$15,000
Environmental	Sampling - Technician	2	Per Yr.	$2,500	$5,000
Monitoring	Taxes & Contingencies			25%	$5,000
Subtotal	**Baseline Enviro.**				**$25,000**
Discovery	Estab. Portal, Stockpiles				$14,000
Zone U/G	X-cut Adit, 'C' Vein Drift	420	metres	$1100	$462,000
BulkSample	'C' Vein Raise	50	metres	$2000	$100,000
Phase 2a	Engineering & Expenses				$85,000
Program	Inflation (1988 +50%)			50%	$661,000
	Taxes & Contingencies			25%	$330,500
Subtotal	**U/G Bulk Sample Ph.2a**				**$1,652,500**
Discovery	Drifts, X-cuts, Sub-drifts	415	metres	$1100	$456,500
Zone U/G	Raises	80	metres	$2000	$160,000
BulkSample	Engineering & Expenses				$92,500
Phase 2	Inflation (1988 +50%)			50%	$709,000
Program	Taxes & Contingencies			25%	$354,500
Subtotal	**U/G Bulk Sample Ph.2b**				**$1,772,500**
Processing	Install Plant on Site				$250,000
Plant for	Operate Plant	9000	tonnes	$50	$450,000
Bulk Sample	Taxes & Contingencies			25%	$175,000
Subtotal	**Bulk Sample Plant**				**$875,000**
Scoping	Engineering Consultant	6	months	$20000	$120,000
Study	Taxes & Contingencies			25%	$30,000
Subtotal	**Scoping Study**				**$150,000**
TOTAL	**PHASE 2**				**$3,600,000**
TOTAL	**PHASES 1+2**				**$4,000,000**

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MapPlace	http://www.em.gov.bc.ca/Mining/Geolsurv/MapPlace/
MINFILE	http://www.em.gov.bc.ca/Mining/Geolsurv/Minfile/
MTO	http://www.mtonline.gov.bc.ca/

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Certificate and Consent of Author

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

1. I am currently employed as a consulting geologist by:
   Jacques Houle, P.Eng. Mineral Exploration Consulting
   6552 Peregrine Road, Nanaimo, British Columbia, Canada V9V 1P8
2. 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.
3. I am a member in good standing with the Association of Professional Engineers and Geoscientists of British Columbia (License #25107), as well as the Association of Mineral Exploration British Columbia, the Society of Economic Geologists, and the Vancouver Island Exploration Group; I am also a member of the Technical Advisory Committee for Geoscience B.C.
4. I have worked as a geologist for 33 years since graduating from university.
5. I have read the definition of "qualified person" set out in National Instrument 43-101 ("NI 43-101") and certify that by reason of my education, membership in a professional association (as defined in NI 43-101) and past relevant work experience, I fulfill the requirements to be a "qualified person" for the purposes of NI 43-101.
6. I am responsible for the contents and preparation of the Technical Report entitled "Technical Report on the Valentine Mountain Property" held by Mill Bay Ventures Inc. and dated October 15, 2011. I last visited the Valentine Mountain Property in November, 2010.
7. I have had prior involvement with the properties that are the subject of the Technical Report, as Regional Geologist with the B.C. Ministry of Energy and Mines from 2000 to 2003, and as a Mineral Exploration Consultant working for previous and current owners from 2003 to 2011.
8. I am not aware of any material fact or material change with respect to the subject matter of the Technical Report that is not reflected in the Report, the omission to disclose which makes the Technical Report misleading.
9. I am independent of the issuer and owner applying all the tests in NI 43-101.
10. I have read National Instrument NI43-101, Companion Policy 43-101.CP and Form 43-101F1, and the Technical Report has been prepared in compliance with that instrument, policy and form.

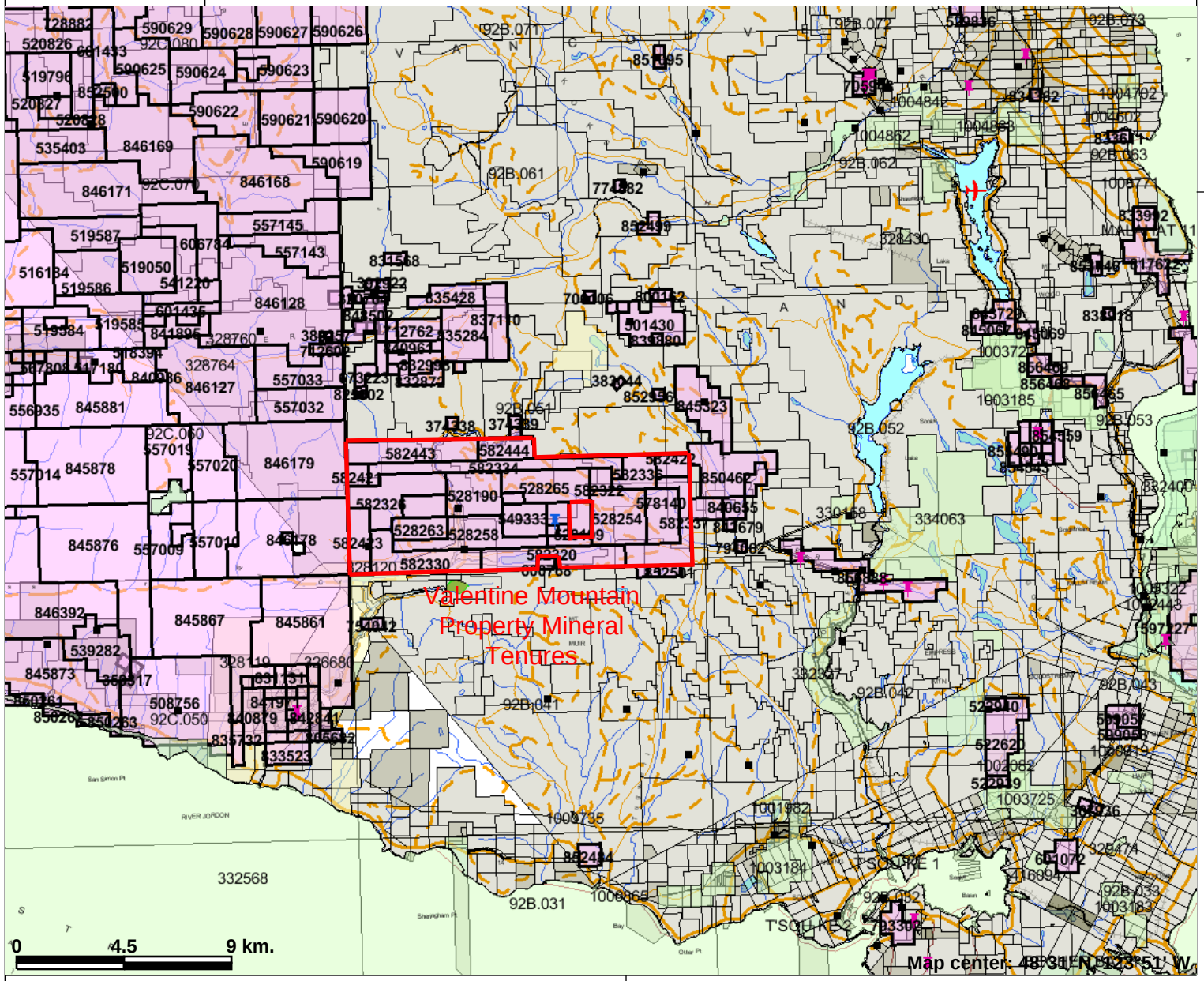
Dated this 15th day of October, 2011.

Signature of Qualified Person

Jacques Houle, P.Eng.
Printed name of Qualified Person

Seal of Qualified Person

Valentine Mountain Property



Legend

MINFILE Status

- Producer
- Past Producer
- Developed Prospect
- All others

Indian Reserves

National Parks

Conservancy Areas

Parks

Mineral Tenure (current)

- Mineral Claim
- Mineral Lease

Mineral Reserves (current)

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

Survey Parcels

BCGS Grid

Annotation (1:250K)

Transportation - Points (1:250K)

- Airfield
- Anchorage - Seaplane
- Ferry Route
- Heliport
- Seaplane Base
- Air Field
- Airport
- Air Feature - Condition Unknown

N

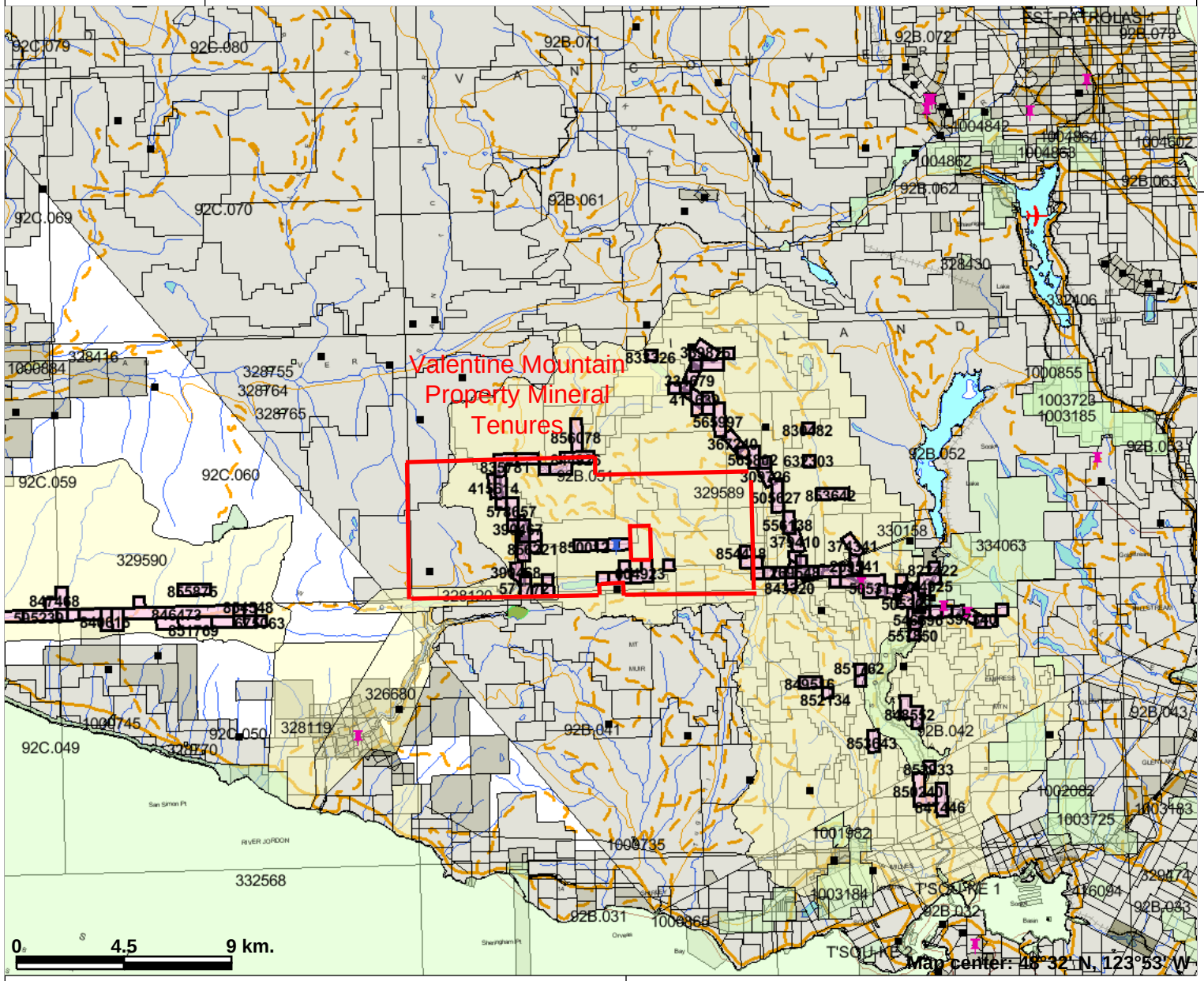
Scale: 1:250,000

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.

South Vancouver Island Mineral Tenures Map

Figure 1a

Valentine Mountain Property



Legend

MINFILE Status

- Producer
- Past Producer
- Developed Prospect
- All others

Indian Reserves

National Parks

Conservancy Areas

Parks

Placer Tenure (current)

- Placer Claim
- Placer Lease

Placer Reserves (current)

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

Survey Parcels

BCGS Grid

Annotation (1:250K)

Transportation - Points (1:250K)

- Airfield
- Anchorage - Seaplane
- Ferry Route
- Heliport
- Seaplane Base
- Air Field
- Airport
- Air Feature - Condition Unknown

N

Scale: 1:250,000

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South Vancouver Island MTO Placer Tenures Map

Figure 1b

Valentine Mountain Property

BC Administrative Area Layers

- **Major Communities**
- **BC Municipalities**

First Nations Layers

- **Indian Reserves**

Parks Layers

- **Provincial Parks & Protected Areas (<1M)**

Mineral Inventory Layers

- **ARIS number label**
- **MINFILE number label**
  - Developed Prospect
  - Past Producer
  - Producer
  - Prospect
  - Showing
  - All Others

Mineral Titles Layers

- **MTO Mineral Titles Online Polygons**
  - Coal
  - Placer
  - Mineral
  - Other

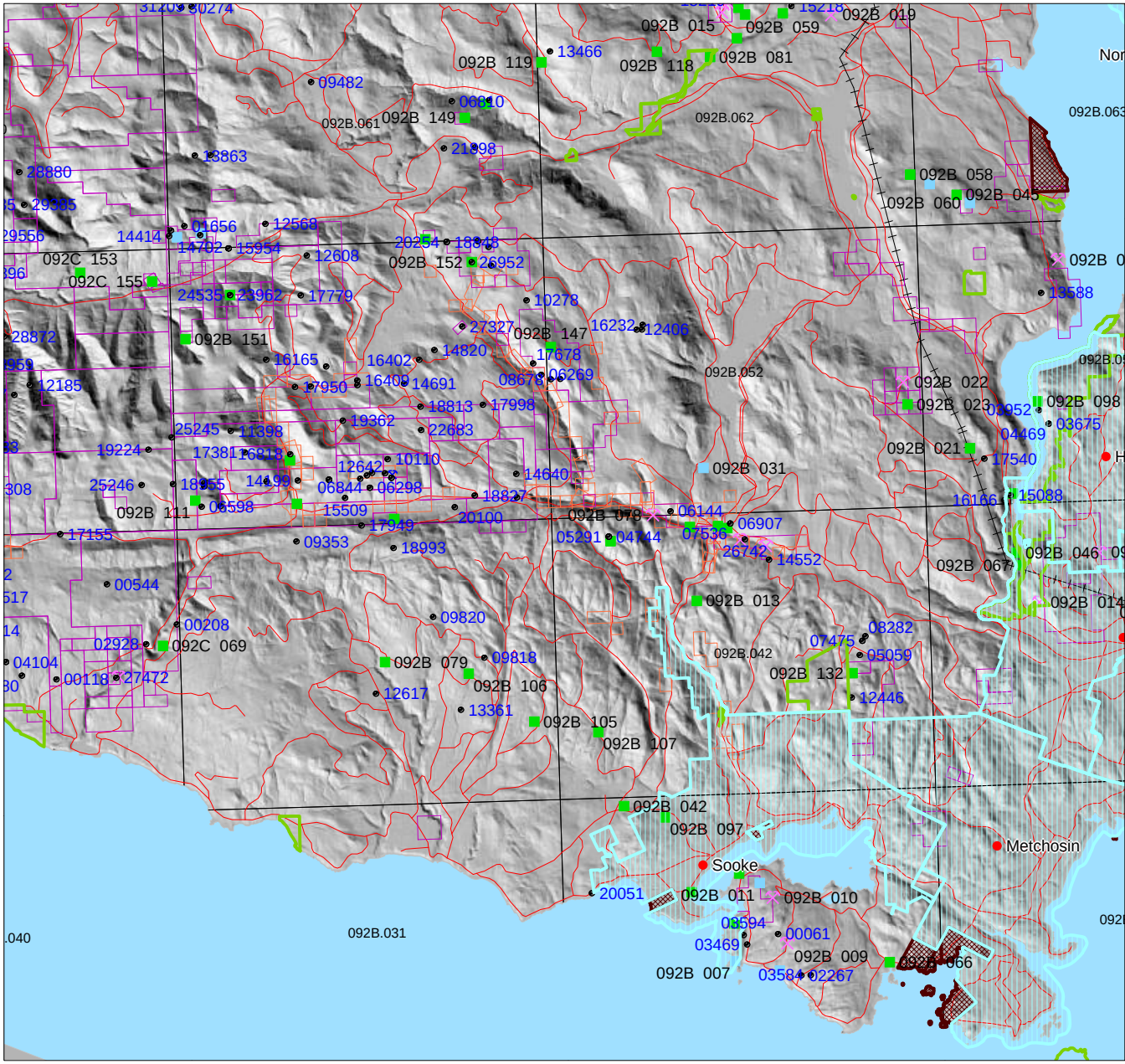
Topographic Layers

- **Railways 1:6M**
- **Roads 1:250K (<2M)**
- **BC Ocean**

Grid Layers

- **Grid 1:20K maps - labels**
- **Grid 1:20K maps - polygons**

Raster Layers



SCALE 1 : 250,000

5 0 5 10 15

KILOMETERS

Southern Vancouver Island MapPlace Infrastructure Map

Figure 1c

N

Valentine Mountain Property

Topographic Layers

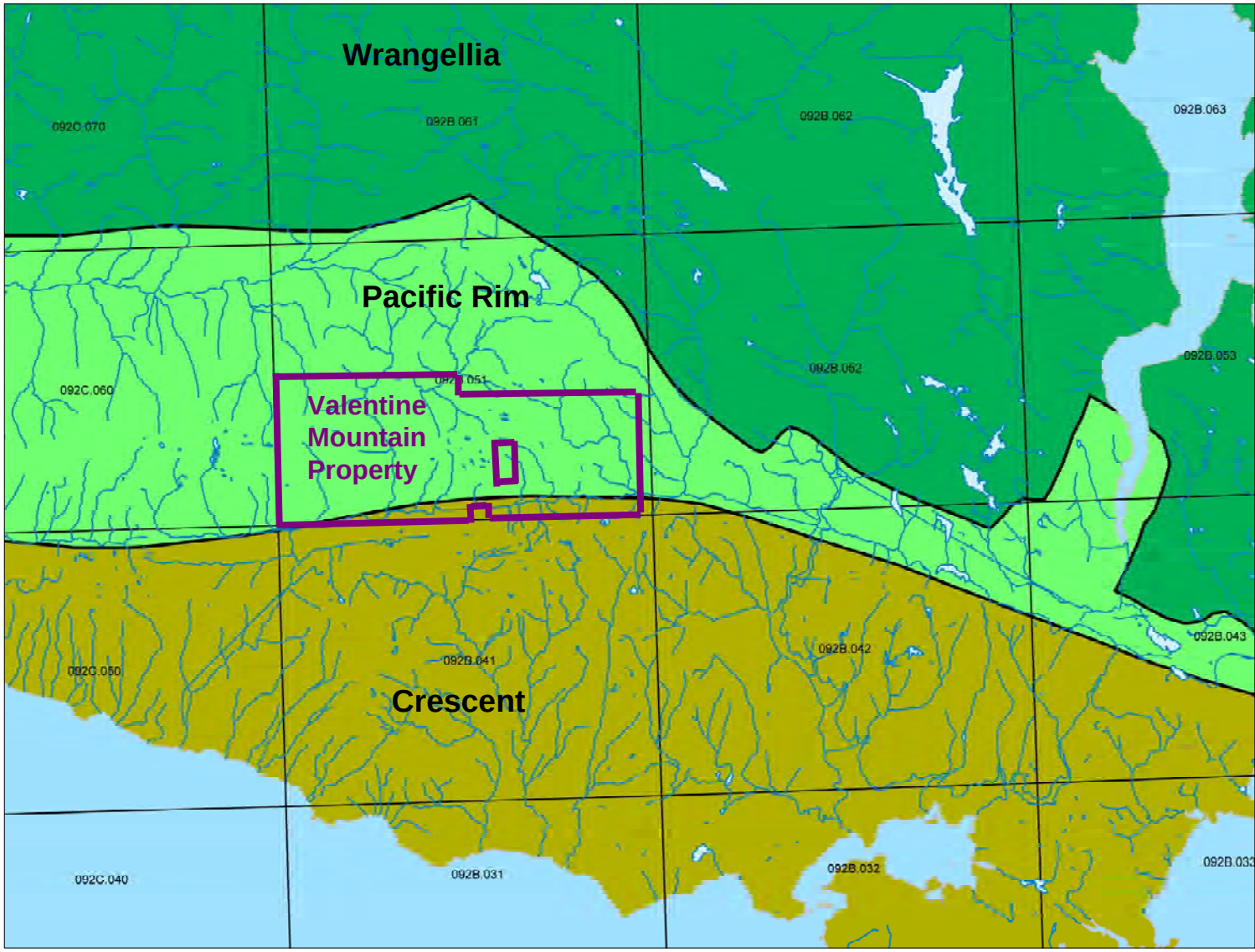
- **Lakes 1:50K (<300K)**
- **Rivers 1:50K (<300K)**
- **BC Ocean**

Grid Layers

- **Grid 1:20K maps - labels**
- **Grid 1:20K maps - outline**

GSC Geology Layers

- **Geologic terranes - labels**
- **Geologic terranes - polygons**
  - undivided metamorphic ro...
  - AX - Alexander
  - BR - Bridge River
  - CA - Cassiar
  - CAC - Cariboo
  - CC - Cache Creek
  - CD - Cadwallader
  - CG - Chugach
  - CK - Chilliwack
  - CR - Crescent
  - CX - Coast Complex
  - DY - Dorsey
  - HA - Harrison
  - KO - Kootenay
  - MO - Monashee
  - MT - Methow
  - NA - Ancestral North Ameri...
  - NI - Nisling
  - PAP - post accretionary plu...
  - PR - Pacific Rim
  - QN - Quesnellia



SCALE 1 : 250,000

2 0 2 4 6

MILES

N

South Vancouver Island GSC Terranes Map - Figure 1d

Valentine Mountain Property

Topographic Layers

- **Lakes 1:50K (<300K)**
- **Rivers 1:50K (<300K)**

Grid Layers

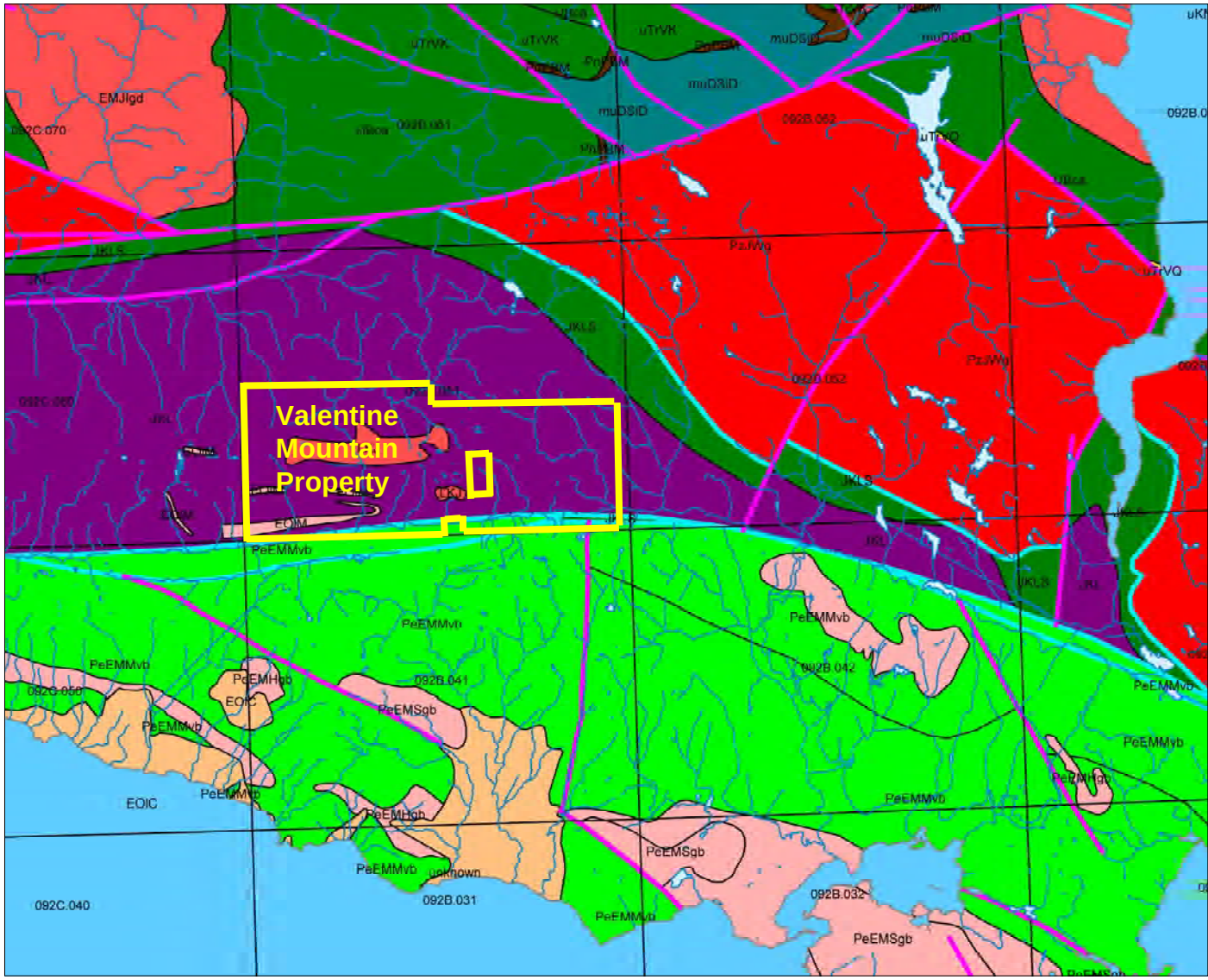
- **Grid 1:20K maps - labels**
- **Grid 1:20K maps - outline**

BCGS Geology Layers 2005

- **Ocean for Geology (<300K)**
- **Contacts & Faults (<1.5M)**
  - Contact
  - Extension Fault
  - Fault
  - Normal Fault
  - Thrust

Bedrock geology - Map Unit Labels

- **Volcanic rocks by era (<1.5M)**
  - Cenozoic volcanic rocks
  - Mesozoic volcanic rocks
  - Paleozoic volcanic rocks
  - Proterozoic volcanic rocks
  - Unknown
- **Sedimentary rocks by era (<1.5M)**
  - Cenozoic sedimentary rocks
  - Mesozoic sedimentary rocks
  - Paleozoic sedimentary rocks
  - Proterozoic sedimentary rocks
  - Unknown
- **Metamorphic rocks by era (<1.5M)**
  - Cenozoic metamorphic rocks
  - Mesozoic metamorphic rocks



SCALE 1 : 250,000

2 0 2 4 6

MILES

South Vancouver Island BCGS Geology Map - Figure 1e

N

Valentine Mountain Property

Topographic Layers

- Lakes 1:50K (<300K)
- Rivers 1:50K (<300K)
- BC Ocean

Grid Layers

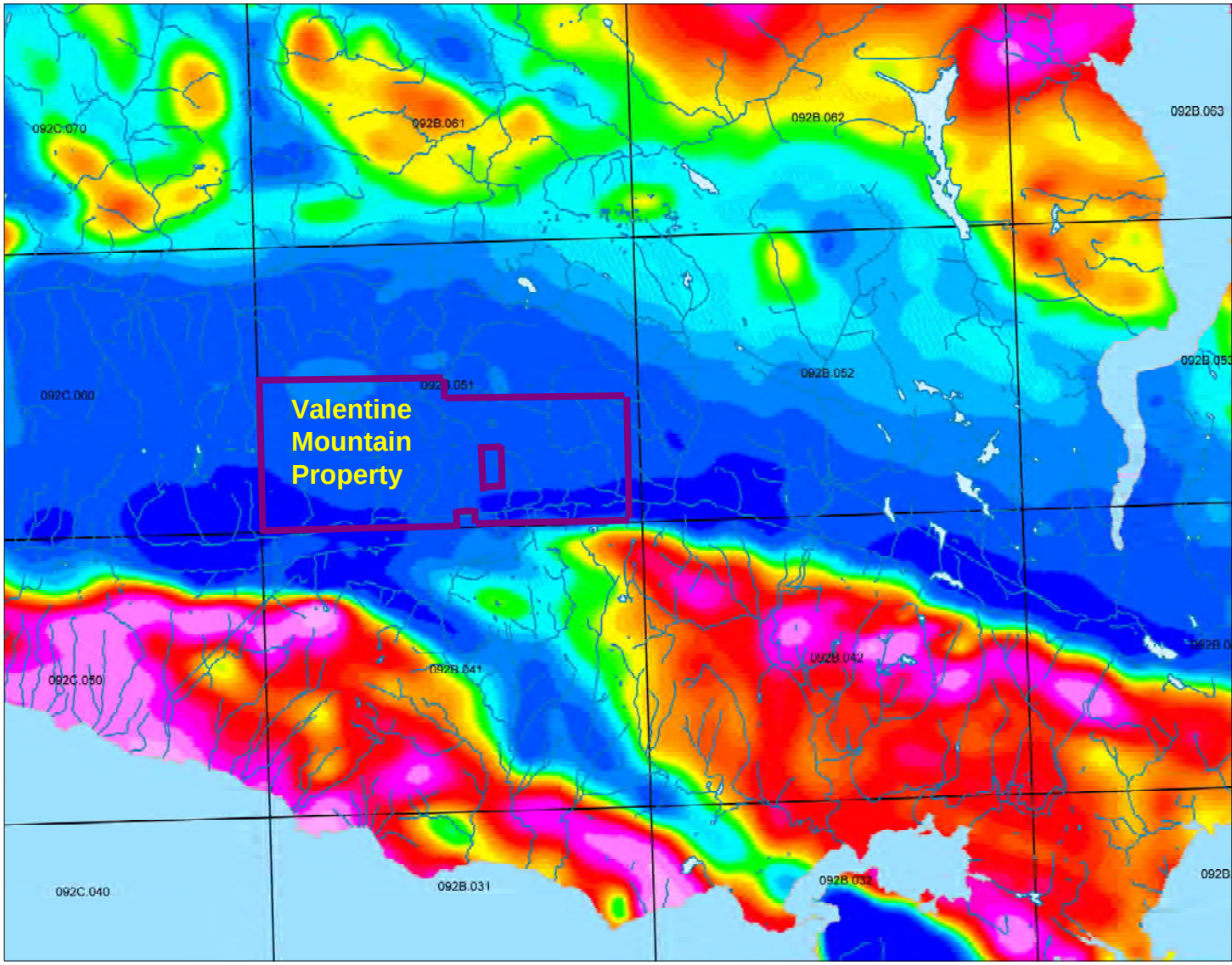
- Grid 1:20K maps - labels
- Grid 1:20K maps - outline

Geophysical Layers

- Residual Total Magnetic Field (<500K)

BC Border Layers

- BC Border 1:50K (<200K)



SCALE 1 : 250,000

2 0 2 4 6

MILES

South Vancouver Island GSC Aeromagnetic Map - Figure 1f

N

Valentine Mountain Property

Regional Geochem Layers

- **RGS locations (<2 M)**
- **RGS - Gold by FA (<1.2M)**
  - 50th Percentile
  - 70th Percentile
  - 90th Percentile
  - 95th Percentile
  - Greater than 95th Percentile
  - All Others

Topographic Layers

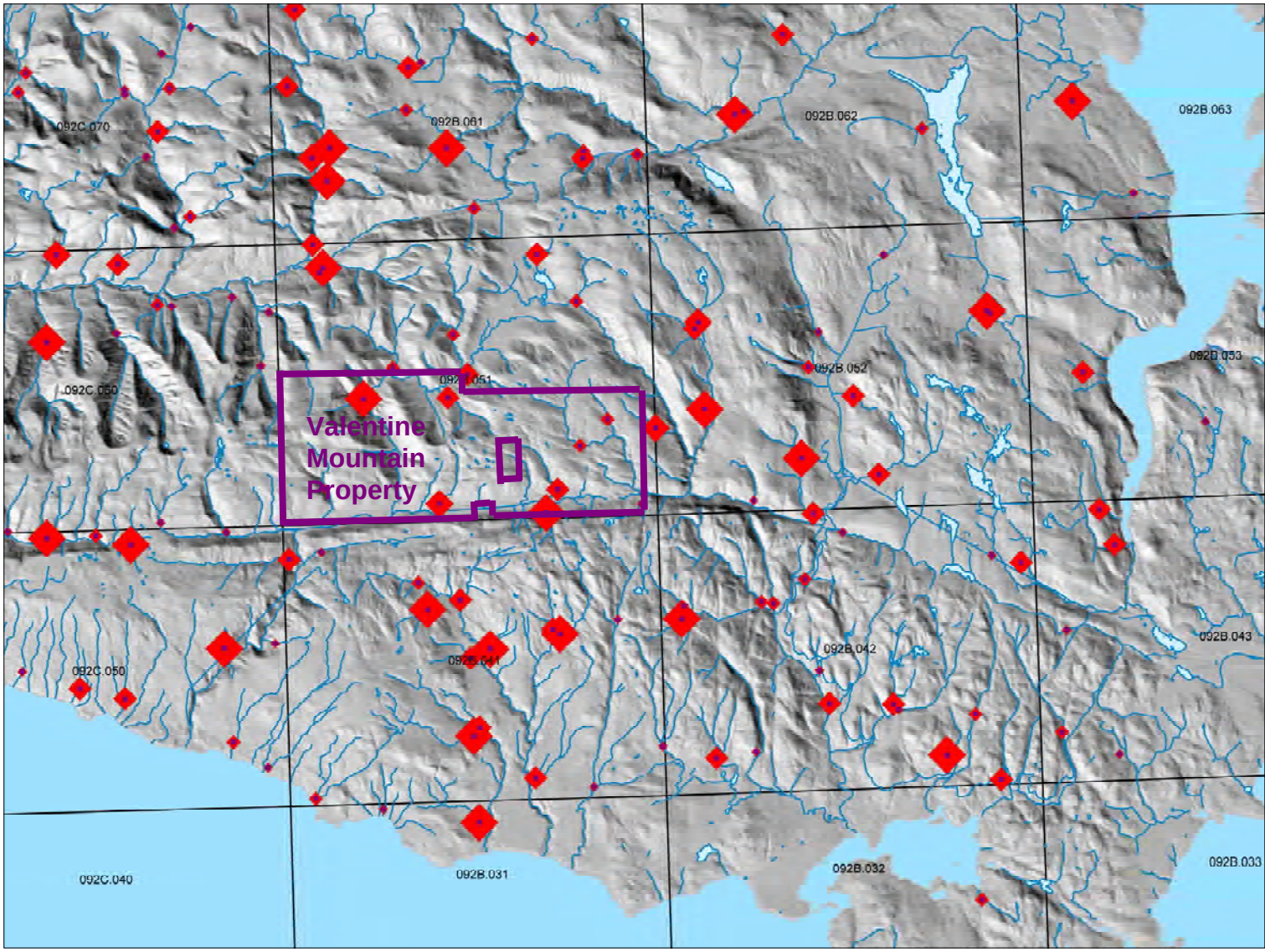
- **Lakes 1:50K (<300K)**
- **Rivers 1:50K (<300K)**
- **BC Ocean**

Grid Layers

- **Grid 1:20K maps - labels**
- **Grid 1:20K maps - outline**

Raster Layers

- **DEM image hillshade (<300K)**



SCALE 1 : 250,000

2 0 2 4 6

MILES

South Vancouver Island RGS Gold Map - Figure 1g

N

Valentine Mountain Property

Regional Geochem Layers

- **RGS locations (<2 M)**
- **RGS - Arsenic by NA (<1.2M)**
  - 50th Percentile
  - 70th Percentile
  - 90th Percentile
  - 95th Percentile
  - Greater than 95th Percentile
  - All Others

Topographic Layers

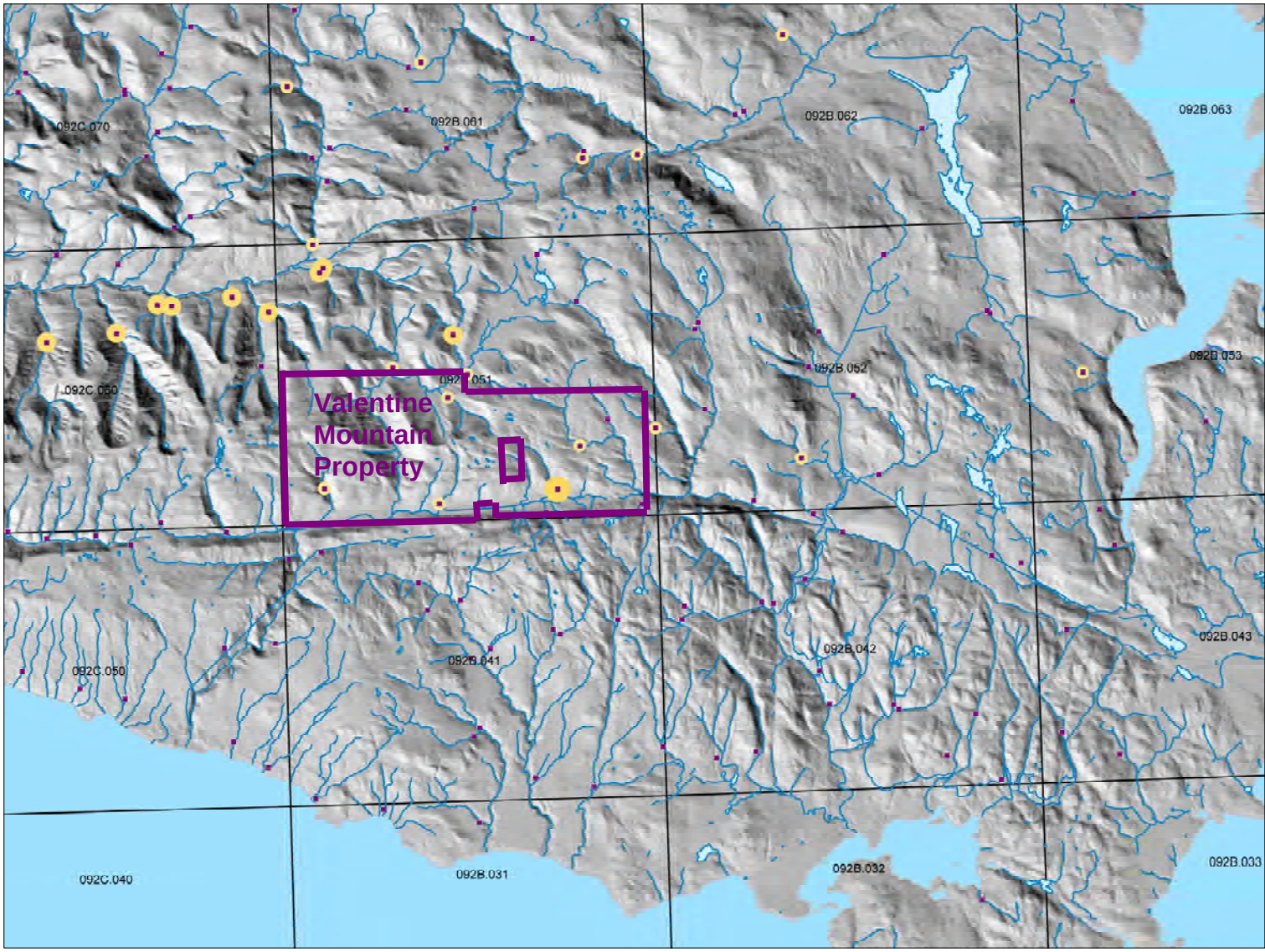
- **Lakes 1:50K (<300K)**
- **Rivers 1:50K (<300K)**
- **BC Ocean**

Grid Layers

- **Grid 1:20K maps - labels**
- **Grid 1:20K maps - outline**

Raster Layers

- **DEM image hillshade (<300K)**



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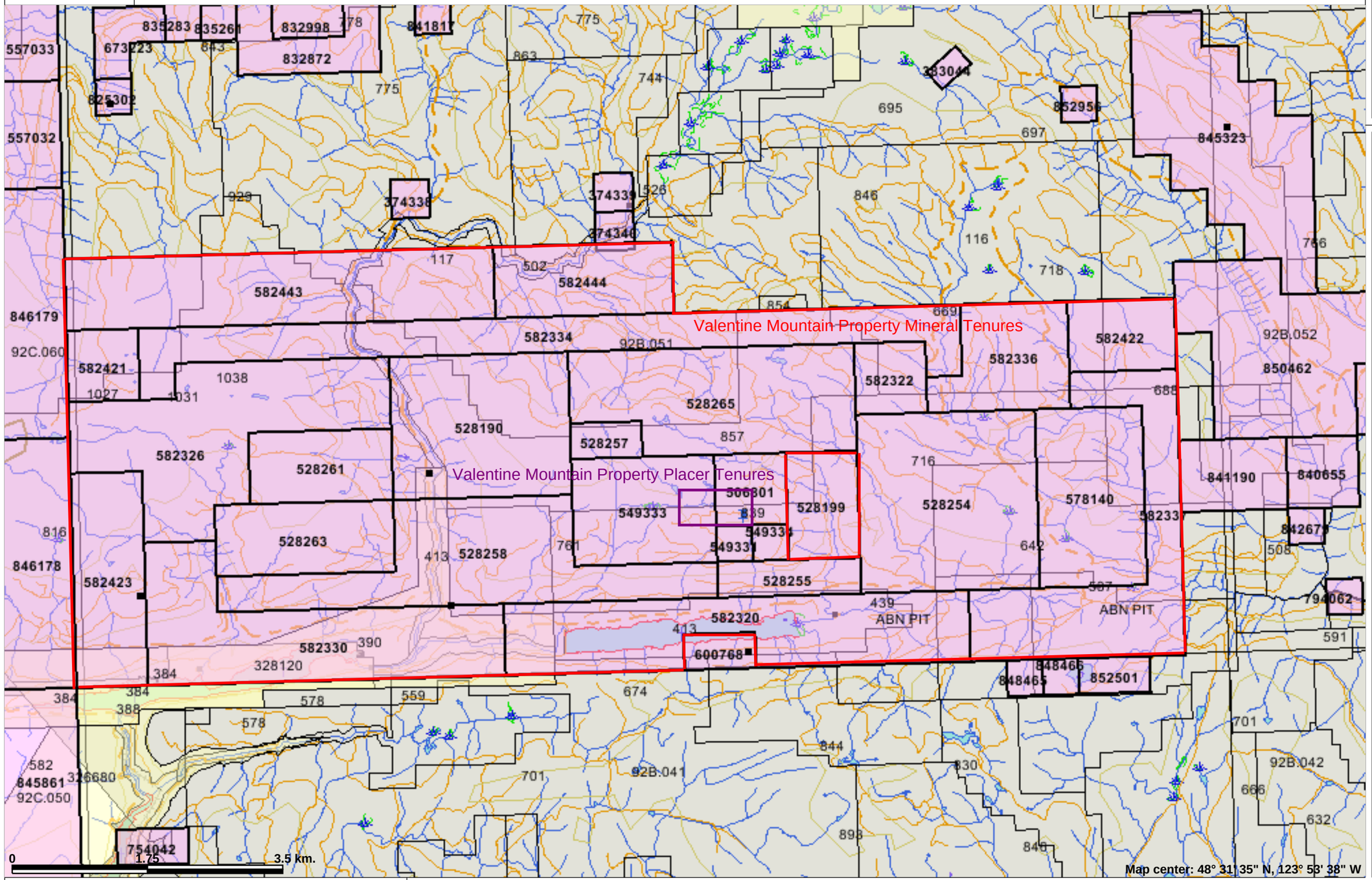
MILES

South Vancouver Island RGS Arsenic Map - Figure 1h

N

Valentine Mountain Property



Legend

MINFILE Status
- Producer
- Past Producer
- Developed Prospect
- All others

Indian Reserves
National Parks
Conservancy Areas
Parks
Mineral Tenure (current)
- Mineral Claim
- Mineral Lease

Mineral Reserves (current)
- Placer Claim Designation
- Placer Lease Designation
- No Staking Reserve
- Conditional Reserve
- Release Required Reserve
- Surface Restriction
- Recreation Area
- Others

Survey Parcels
BCGS Grid
Contours (1:250K)
- Contour - Index
- Contour - Intermediate
- Areaof Exclusion
- Areaof Indefinite Contours

Transportation - Points (TRIM)
- Helipad

Transportation - Lines (TRIM)
- Airfield
- Airport
- Airstrip
- Airport.Abandoned
- Ferry Route
- Road (Gravel Undivided) - 1 Lane
- Road (Gravel Undivided) - 2 Lanes
- Road (Gravel Undivided) - U/C - 1 Lane
- Road (Gravel Undivided) - U/C - 2 Lanes
- Road (Paved Divided) - Not Elevated - 1 Lane Each Way
- Road (Paved Divided) - Not Elevated - 2 Lanes Each Way
- Road (Paved Divided) - U/C - Not Elevated - 2 Lanes Each Way
- Road (Paved Undivided) Not Elevated - 3 Lanes
- Road (Paved Undivided) - Not Elevated - 1 Lane
- Road (Paved Undivided) - Not Elevated - 2 Lanes
- Road (Paved Undivided) - Not Elevated - 4 Lanes
- Road (Paved Undivided) - U/C - Not

N

Scale: 1:50,000

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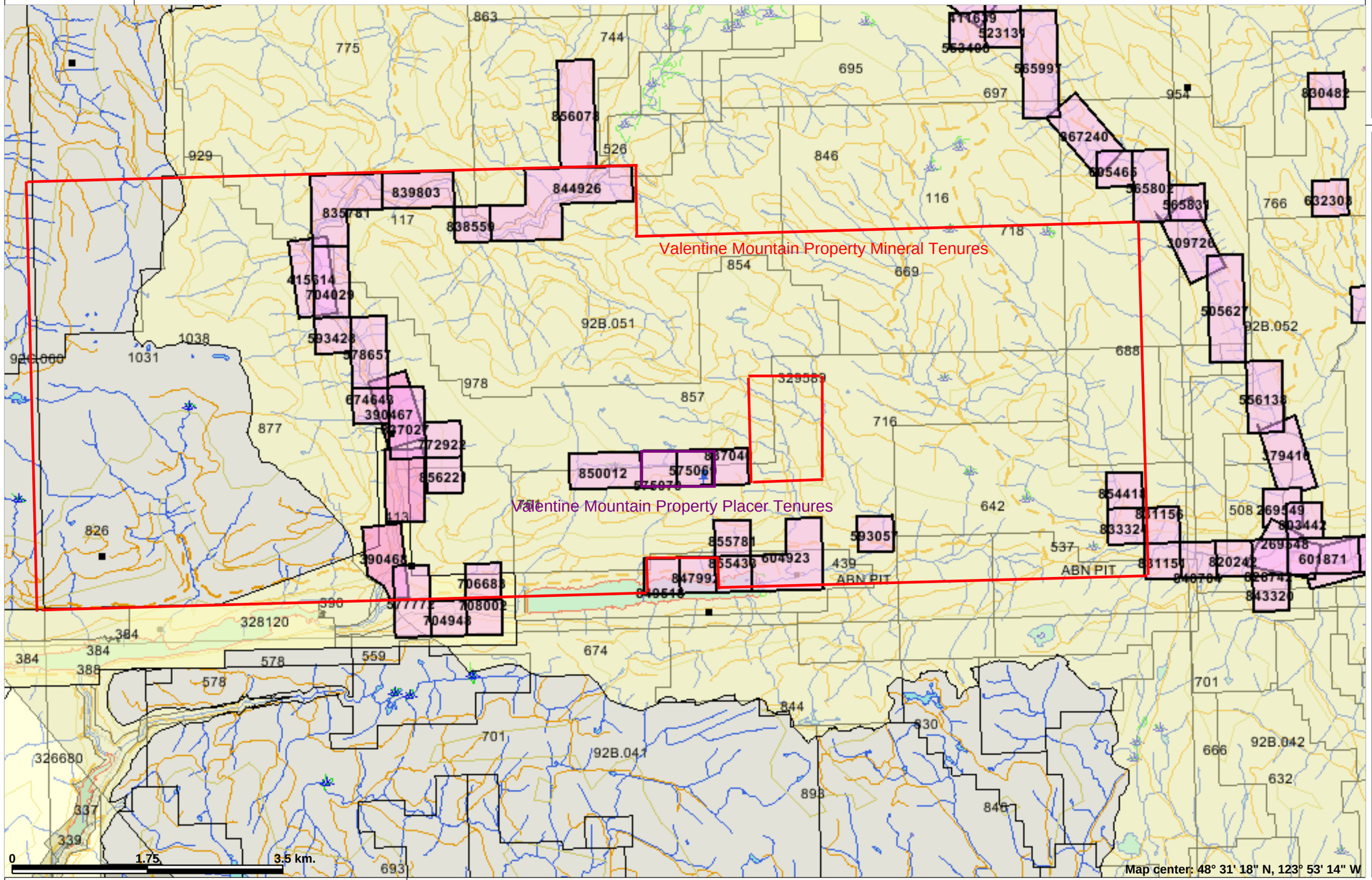
Valentine Mountain Property MTO Mineral Tenures Map

Figure 2a

Valentine Mountain Property



Legend

MINFILE Status

- Producer
- Past Producer
- Developed Prospect
- All others

Indian Reserves

National Parks

Conservancy Areas

Parks

Placer Tenure (current)

- Placer Claim
- Placer Lease

Placer Reserves (current)

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- Placer Lease Designation
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- Conditional Reserve
- Release Required Reserve
- Surface Restriction
- Recreation Area
- Others

Survey Parcels

BCGS Grid

Contours (1:250K)

- Contour - Index
- Contour - Intermediate
- Areaof Exclusion
- Areaof Indefinite Contours

Transportation - Points (TRIM)

- Helipad

Transportation - Lines (TRIM)

- Airfield
- Airport
- Airstrip
- Airport.Abandoned
- Ferry Route
- Road (Gravel Undivided) - 1 Lane
- Road (Gravel Undivided) - 2 Lanes
- Road (Gravel Undivided) - U/C - 1 Lane
- Road (Gravel Undivided) - U/C - 2 Lanes
- Road (Paved Divided) - Not Elevated - 1 Lane Each Way
- Road (Paved Divided) - Not Elevated - 2 Lanes Each Way
- Road (Paved Divided) - U/C - Not Elevated - 2 Lanes Each Way
- Road (Paved Undivided) Not Elevated - 3 Lanes
- Road (Paved Undivided) - Not Elevated - 1 Lane
- Road (Paved Undivided) - Not Elevated - 2 Lanes
- Road (Paved Undivided) - Not Elevated - 4 Lanes
- Road (Paved Undivided) - U/C - Not

N

Scale: 1:50,000

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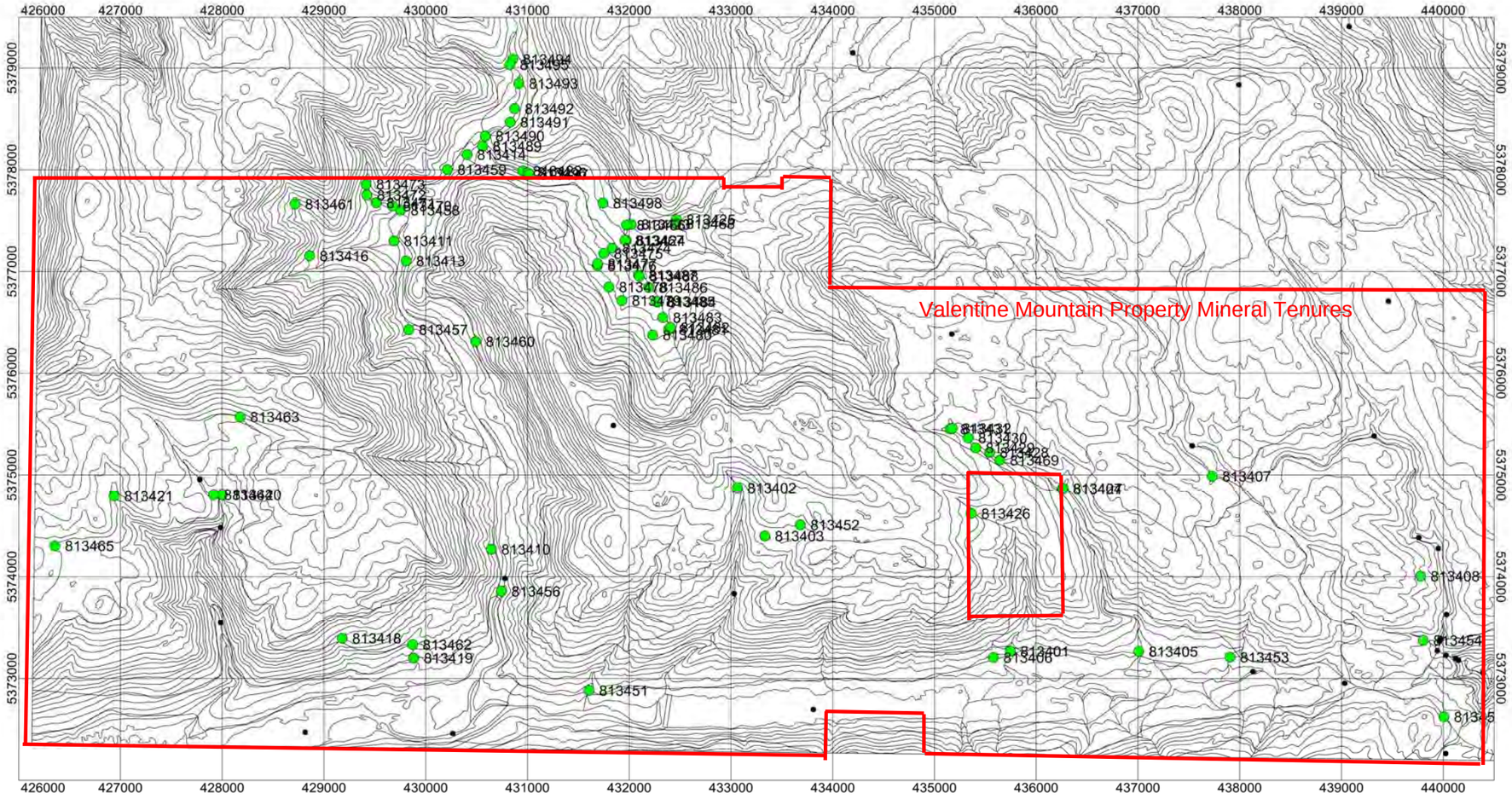
Valentine Mountain Property MTO Placer Tenures Map

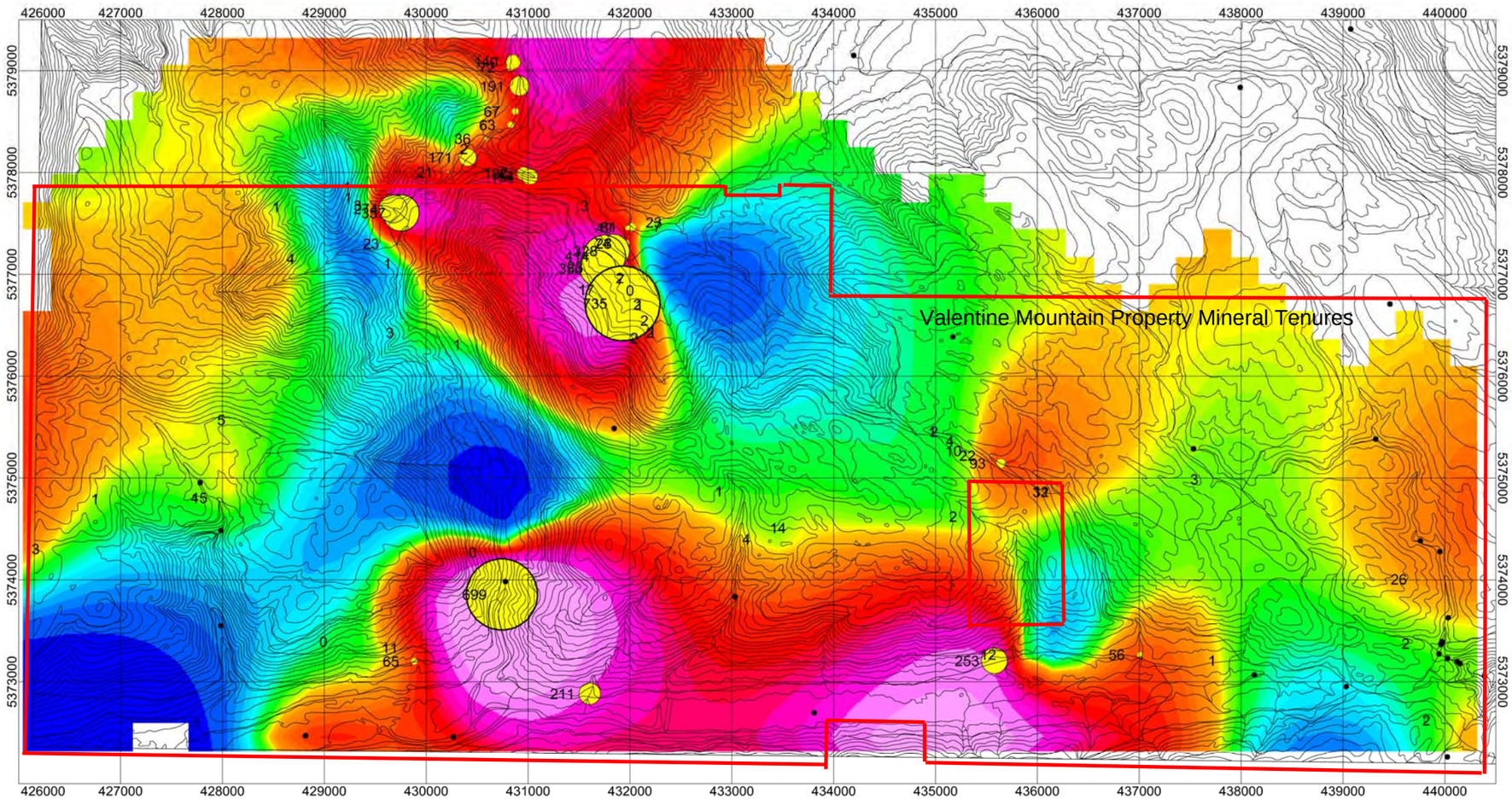
Figure 2b



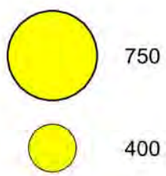
500 0 500 1000 1500
(meters)
NAD83 / UTM zone 10N

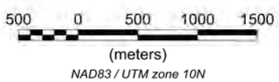
Valentine Mountain Property
Stream Moss Mat Sample Locations
2008 and 2009 Sampling

Figure 2c



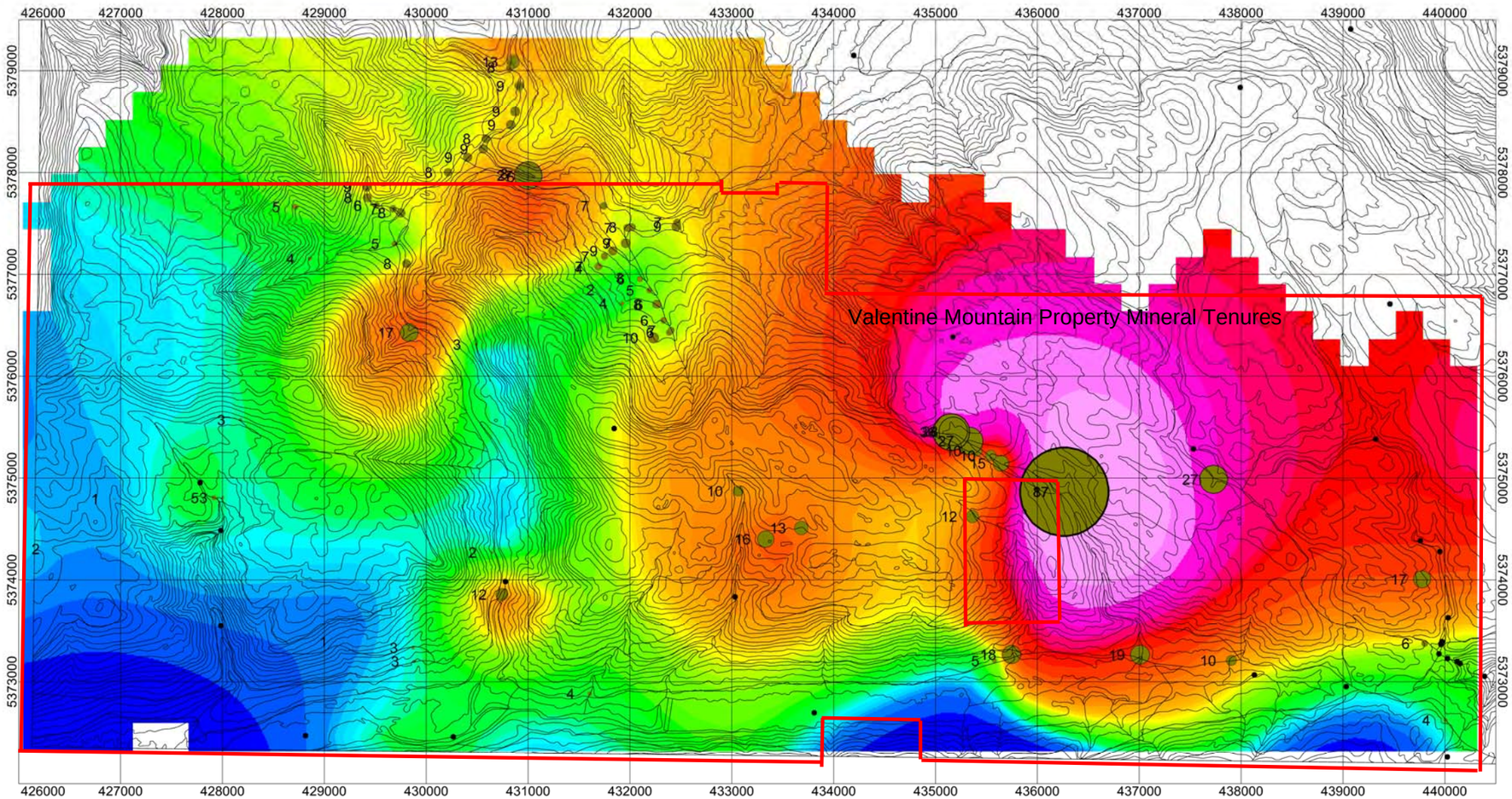
Gold ppb in Samples





Valentine Mountain Property
Gold ppb in Stream Moss Mats
2008 and 2009 Sampling

Figure 2d

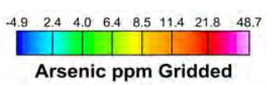


Arsenic ppm in Samples

85

45

5



500 0 500 1000 1500

(meters)

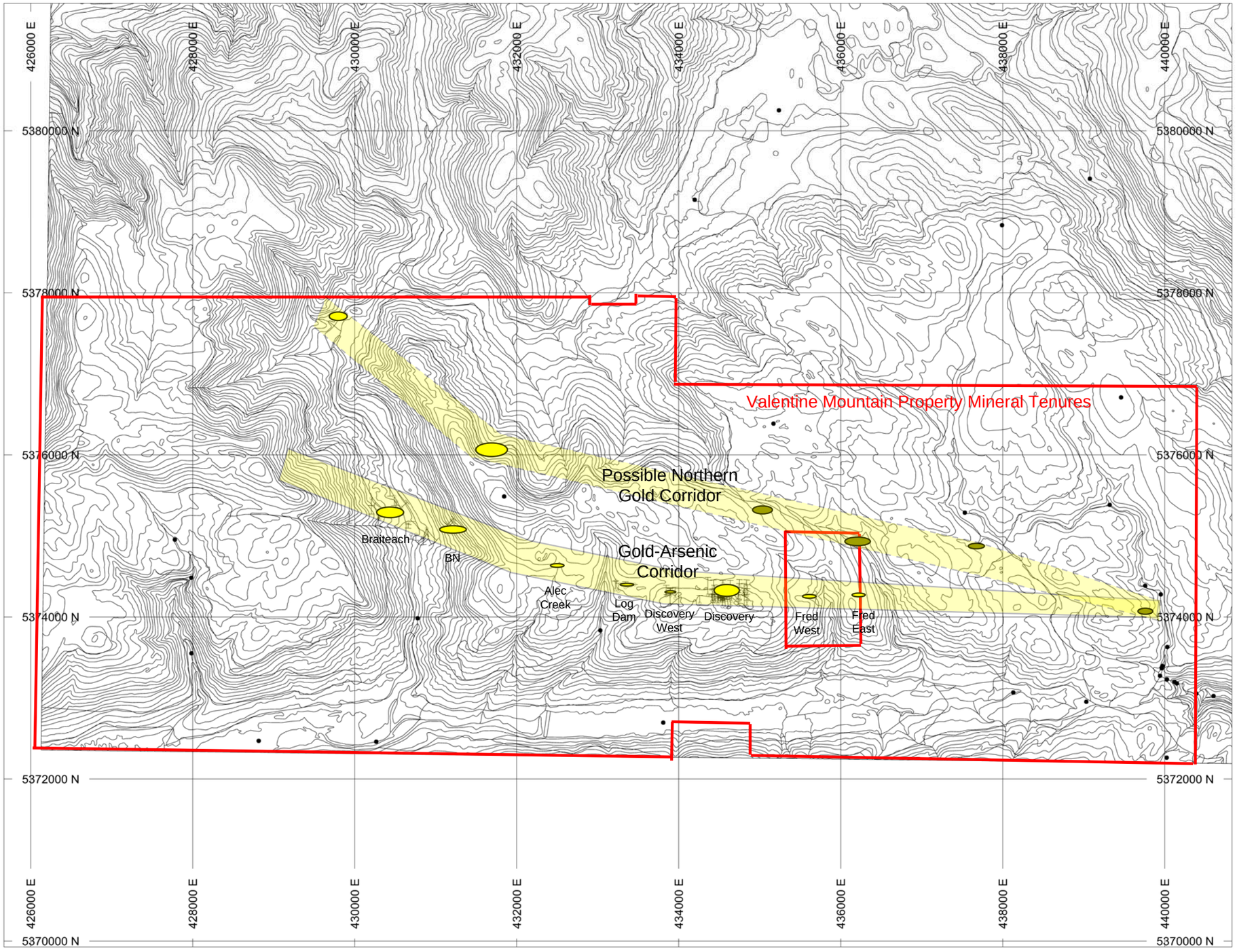
NAD83 / UTM zone 10N

Valentine Mountain Property

Arsenic ppm in Stream Moss Mats

2008 and 2009 Sampling

Figure 2e



HOLES PLOTTED

TOTAL 107

00-1	00-2	00-3	00-4	00-5	00-6	00-7
00-8	04-1	04-1V	04-2	04-3	04-4	04-5
09-1	09-2	09-3	09-4	09-5	10-1	10-10
10-2	10-3	10-4	10-5	10-6	10-7	10-8
10-9	11-1	11-2	11-3	11-4	11-5	11-6
599250	599319	599322	82-12A	82-12N	82-15	82-21
82-3	82-5	82-5A	82-6	82-6A	82-7	82-7A
82-9	85-AN	85-AS	85-B	87-1	87-10	87-11
87-12	87-13	87-14	87-15	87-16	87-17	87-18
87-19	87-2	87-20	87-21	87-22	87-23	87-24
87-3	87-4	87-5	87-6	87-7	87-8	87-9
88-1	88-10	88-11	88-12	88-13	88-14	88-15
88-16	88-17	88-18	88-19	88-2	88-3	88-4
88-5	88-6	88-7	88-8	88-9	89-20	89-21
89-22	89-23	89-24	94-C	9705	98-1	99-1
99-2	99-3					

Figure 2f

PLAN SPECS:

REF. PT. E, N	433300 m	5376000 m
EXTENTS	15160 m	11650 m

SCALE 1 : 50000

(m)

-400 0 400 800 1200

NAD83 / UTM zone 10N

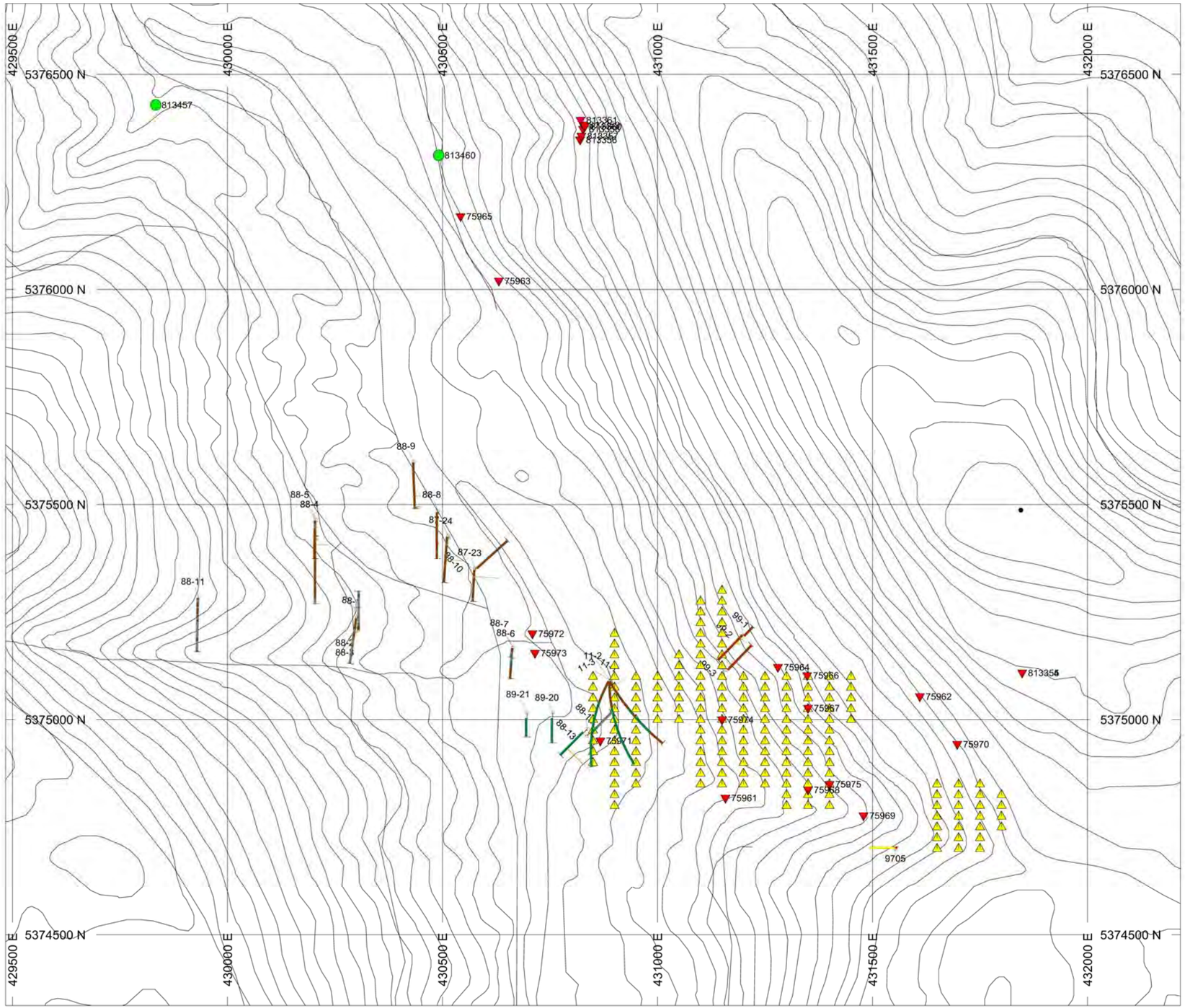
N W E S

Mill Bay Ventures Inc.

Valentine Mountain Property

Gold Exploration Targets

1976 to 2011



HOLES PLOTTED

TOTAL 24

11-1	11-2	11-3	87-23	87-24	88-1
88-10	88-11	88-12	88-13	88-2	88-3
88-4	88-5	88-6	88-7	88-8	88-9
89-20	89-21	9705	99-1	99-2	99-3

▼ Rock Sample

△ Soil Sample

BAR GRAPHS	L/R	COL
Au	R	
As	R	

ROCK CODES	PAT	LABEL
Rock_Code		metapelite
		metasandstone
		amphibolite
		quartz diorite
		quartz vein

PLAN SPECS:

REF. PT. E, N	430900 m	5376000 m
EXTENTS	2732 m	2329 m

Figure 3a

SCALE 1 : 10000

(m)

-100 0 100 200 300 400

NAD83 / UTM zone 10N

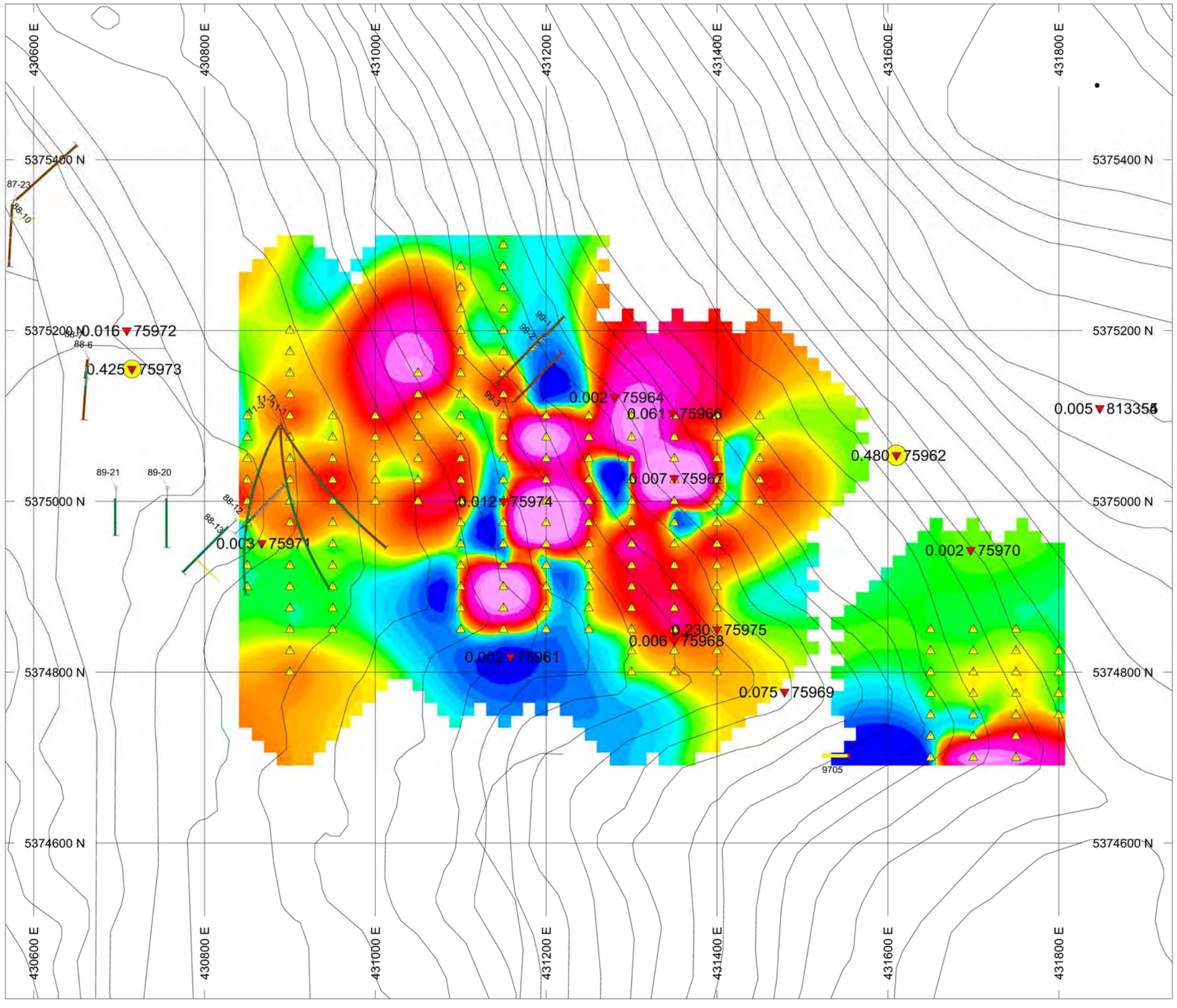
N W E S

Mill Bay Ventures Inc.

Valentine Mountain Property

Braiteach/BN Zone

Drilling and Geochemistry



HOLES PLOTTED

TOTAL 15

11-1	11-2	11-3	87-23	88-10	88-12
88-13	88-6	88-7	89-20	89-21	9705
99-1	99-2	99-3			

Gold ppm in Rocks

0.5
0.3
0.1

828.8
188.8
90.9
58.0
41.7
29.6
21.4
16.3
13.4
10.1
8.0
6.2
4.7
3.0
2.2
1.5
0.3
-2.4
-8.4
-16.9
-67.1

Gold ppm in Soils

BAR GRAPHS	L/R	COL
Au	R	
As	R	

ROCK CODES	PAT	LABEL
Rock_Code		metapelite
		metasandstone
		amphibolite
		quartz vein

PLAN SPECS:

REF. PT. E, N	431300 m	5375000 m
EXTENTS	1366 m	1165 m

Figure 3b

SCALE 1 : 5000

(m)

-50 0 50 100 150 200

NAD83 / UTM zone 10N

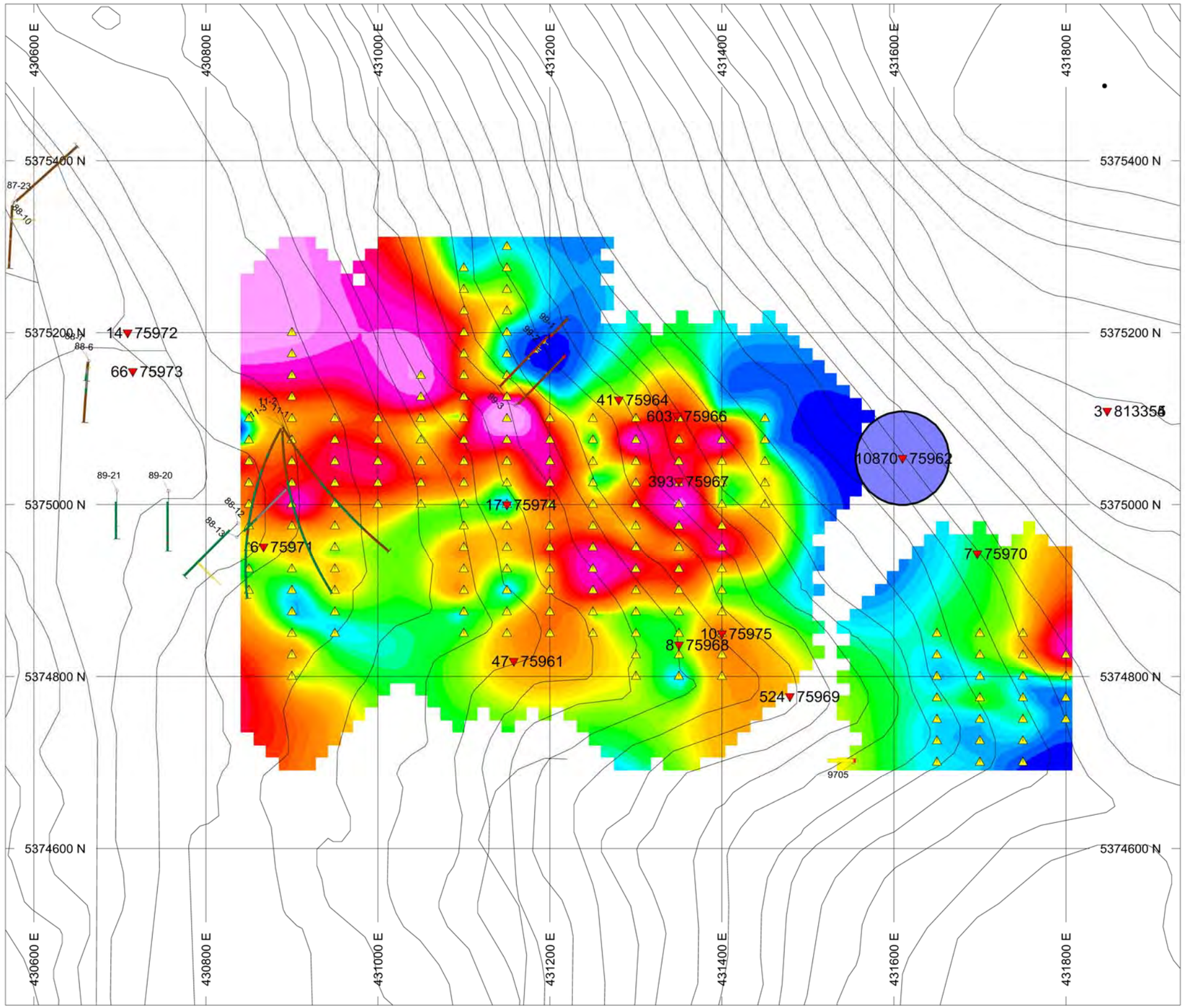
N
W
E
S

Mill Bay Ventures Inc.

Valentine Mountain Property

BN Zone

Drilling and Gold Geochemistry



HOLES PLOTTED

TOTAL 15

11-1	11-2	11-3	87-23	88-10	88-12
88-13	88-6	88-7	89-20	89-21	9705
99-1	99-2	99-3			

Arsenic ppm in Rocks

10000

5000

0

412.6
239.3
155.2
115.4
95.1
77.4
64.1
54.5
47.6
41.4
36.5
32.2
28.5
25.3
21.9
18.8
15.4
11.6
7.2
1.3
-16.8

Arsenic ppm in Soils

BAR GRAPHS	L/R	COL
Au	R	
As	R	

ROCK CODES	PAT	LABEL
Rock_Code		metapelite
		metasandstone
		amphibolite
		quartz vein

PLAN SPECS:

REF. PT. E, N	431300 m	5375000 m
EXTENTS	1366 m	1165 m

Figure 3c

SCALE 1 : 5000

(m)

-50 0 50 100 150 200

NAD83 / UTM zone 10N

N W E S

Mill Bay Ventures Inc.

Valentine Mountain Property

BN Zone

Drilling and Arsenic Geochemistry

Appendix 1

2011 Mineral Resource Estimates

Jacques Houle, P.Eng.

October 15, 2011

National Instrument 43-101
Mineral Resource Estimates
For the Gold Quartz Veins
At the Valentine Mountain Property
Vancouver Island, B.C.

For

Mill Bay Ventures Inc.

Suite 900-570 Granville Street

Vancouver, B.C. V6C 3P1

By

Jacques Houle, P.Eng.

Mineral Exploration Consulting

6552 Peregrine Road

Nanaimo, B.C. V9V 1P8

October 15, 2011

Summary

The Valentine Mountain Property located on southern Vancouver Island, British Columbia hosts the Valentine Mountain gold quartz vein Discovery Zone developed prospect (BC MINFILE 092B108). It consists of up to 4 narrow, sub-parallel, East-West striking and south-dipping locally gold-bearing quartz veins hosted semi-conformably in interlayered meta-volcanic and meta-sedimentary rocks of Cretaceous age. The Property also hosts the gold quartz vein BPEX (or Braiteach/BN) showing (BC MINFILE 092B075), located 4 km. west along strike of the Discovery Zone, plus two other gold quartz vein occurrences (Discovery West and Log Dam) not documented in BC MINFILE, located 0.5 and 1 km. west along strike, respectively, of the Discovery Zone.

In-situ, un-diluted NI43-101 mineral resource estimates for 3 gold quartz veins in the Discovery Zone plus 1 vein in the Discovery West area are summarized in Table 1.

Table 1 – Mineral Resource Estimates

Zone / Vein	Tonnes	Au g/t uncut	Au g uncut	Au g/t cut	Au g cut	Category
Discovery C	22663	33.8	765814	16.8	381103	Indicated
Discovery B	32100	4.1	130344	3.7	129352	Indicated
Total	**54763**	**16.4**	**896158**	**9.3**	**510455**	**Indicated**
Discovery E	8485	4.2	35468	4.2	35468	Inferred
Disc. West C	12215	35.4	432278	35.4	432278	Inferred
Total	**20700**	**22.6**	**467746**	**22.6**	**467746**	**Inferred**

Background

An historical mineral resource estimate of 30,660 tonnes @ 14.7 g/t gold was completed in 1989 for a portion of the C Vein, one of the 4 veins at the Discovery Zone. Additional work including drilling and trenching was completed in the area of the C Vein and elsewhere on the Property since the time of the mineral resource estimate, which was completed prior to the implementation in 2001 of both National Instrument 43-101 and the Canadian Institute of Mining's Definition Standards. That estimate is considered both historical due to the revised industry guidelines and obsolete due to new drilling and trenching information generated within the area of the resource estimate.

Bulk samples were taken at different times from 3 large, blasted trenches exposing the Discovery Zone B and C Veins, and some of the blasted material processed off-site to recover gold and silver, but wall rock dilution involved in the blasting resulted in difficulty in determining the in-situ grades of the veins. Detailed mapping and chip sampling of the trenches at the times of excavation provided a more reliable record of the vein grades and characteristics. These trenches have since been partially backfilled with blasted rock, and portions of some trenches were re-excavated in 2010.

In total, 99 diamond drill holes have been completed and documented on the Valentine Mountain Property from 1982 to the date of this report. Reliability of collar and down-hole location measurements, and consistency of core sampling and analytical methods, has been variable over time. Trench and drill collar locations have been reasonably reconciled by GPS survey, and historic sampling and analyses have been used at face value assuming industry standards were used and maintained by those doing the work at the time it was done, and documented. Based on modern observations and work completed, there is no reason to doubt the validity and sufficient accuracy of the historic work completed and documented on the Property, and used to complete this report.

Methodology

Original geological and analytical drill hole data from the Valentine Mountain Property was collated and indexed, and summarized data was transcribed into a consistent, metric digital format in Microsoft Excel, which was then imported into Geosoft Target. All summarized original analytical data from the large blasted trenches plus selected modern hand trenches was also imported into Geosoft Target as horizontal drill holes. Since only gold analyses were consistently reported in historical drill core and trench and trench sample data, only gold values were compiled for modeling and mineral resource estimates. Where available, arsenic values were also compiled, since correlation between gold and arsenic values have been reported.

The drilling and trenching locations were geo-referenced to UTM NAD83 format, and digital plans showing coloured drill hole geology, and gold and arsenic (where available) histograms, were generated for portions of the Valentine Mountain Property using Geosoft Target, and print files were created using Adobe Acrobat, as follows:

- Discovery to Braiteach/BN Zones at 1:25,000 scale
- Discovery Zone at 1:2,500 scale
- Discovery West at 1:2,500 scale
- Log Dam Zone at 1:2,500 scale
- Braiteach/BN Zones at 1:5,000 scale

Series of parallel North-South cross sections (looking West) were generated for each of the 4 areas of concentrated drill hole data at each of the gold occurrences, using variable section spacing depending on the data density, all at 1:1,500 scale, using Geosoft Target and Adobe Acrobat, as follows:

- Discovery Zone – 15 sections 434250E to 434850E at 12.5-50 m. spacing
- Discovery West Zone – 3 sections 433850E to 433950 E at 50 m. spacing
- Log Dam Zone - 3 sections 433250E to 433450E at 100 m. spacing

- Braiteach/BN Zone – 10 sections 430000E to 431100E at 100-200 m. spacing

Using the plans, cross sections, drill logs and trench map data, manual interpretation of gold-bearing vein structures was completed in the 4 zones, using historic nomenclature for each of the veins, where possible. The interpreted drill and trench intercepts and vein projections between them were drawn on the digital plans and sections using Adobe Acrobat. The plans appear in Figures 1 to 5, and the cross sections appear in Figures 6 to 36.

The drill and trench intercepts were tabulated in Microsoft Excel and corrected to interpreted true width by measuring apparent intercept angles on the cross sections, and calculated using trigonometric formulae. These intercepts and the individual gold values and lengths for each were categorized by zone and vein, and their locations identified as point values measured from the cross sections. This appears as a series of tables in Appendix 1. Where gold-bearing intercept lengths were very narrow (less than 1 m.), adjacent samples (if available) were included in the intercepts, and length-weighted average gold grades were calculated using simple formulae. Each of the three large trenches was treated as a single intercept, and weighted average gold values and widths from historical work were used for each trench.

The gold values for each sample by zone and by vein were imported into Geosoft Target, and geo-statistical analyses were done for each vein in each zone containing significant numbers of values, being the Discovery Zone C, B, E and F Veins, and the Braiteach/BN Zones, summarized in Table 2. Also shown in Table 2 are statistics for other zones with insufficient numbers of values for geostatistics, being the Discovery West C, B and E Veins and the Log Dam Zone. The Mean + 2SD (Standard Deviation) values were used as upper thresholds to cut high gold values for each vein in each zone with significant numbers of values, and for the corresponding veins in the other zones. This procedure is commonly used in gold deposit resource estimation.

Table 2 – Cutting Grades for High Gold Values

Zone / Vein	#Samples	Max Au g/t	Min Au g/t	Mean Au g/t	1SD	Mean + 2SD
Discovery C	60	258.86	0.00	11.58	46.31	104.20
Discovery B	53	12.24	0.01	1.80	2.77	7.35
Discovery E	23	7.75	0.00	0.80	1.72	4.25
Discovery F	23	3.26	0.00	0.49	0.75	1.99
Disc. W. C	6	100.08	0.01	-	-	-
Disc. W. B	5	3.15	0.36	-	-	-
Disc. W. E	7	5.21	0.04	-	-	-
Log Dam	6	32.02	0.07	6.00	12.78	31.56
Braiteach/BN N.	30	5.45	0.00	0.66	1.14	2.95
Braiteach/BN S.	5	7.34	0.00	3.93	3.15	10.24

The averaged gold intercepts (both cut and uncut) for each zone and vein were tabulated in Microsoft Excel, and values calculated for uncut gold grade x true width for each intercept. These appear as a series of tables in Appendix 2. Vertical longitudinal projections (looking north) for each vein in each zone were generated using Geosoft Geochemistry, plotting eastings as eastings, and elevations as northings. The uncut gold grade x true width values for each zone and vein were gridded using a minimum curvature algorithm, and displayed on the appropriate vertical longitudinal sections as colour contours showing warm (highest) to cool (lowest) colours. The locations, hole/trench numbers, uncut grades and intercept lengths were displayed on the vertical longitudinal projections for each zone and vein, and appear as Figures 37 to 46.

On separate copies of four selected longitudinal projections (Discovery C, B and E Veins, and Discovery West C Vein) polygons were drawn around each intercept exceeding an arbitrary minimum threshold gold value of 3.0 g/t gold, using Adobe Acrobat. The sides of the polygons were positioned mid-way between adjacent data points, but oriented to honour the grade x thickness contours as much as possible, and linked together as much as seemed reasonable. These linked polygons represent the vertical projections of the areas of the mineral resource blocks, and appear as Figures 47 to 50.

Using the appropriate cross sections, apparent dips were measured for each vein intercept, and true areas were calculated for each mineral resource block using trigonometric formulae. The true areas for each block along with true thicknesses previously calculated were tabulated in Excel for each zone and vein, and combined with a consistent, arbitrary density of 3.0 g/cc to calculate the tonnage for each block. Intercept gold grades in g/t, both uncut and cut, along with resulting gold contents, both uncut and cut, were calculated using simple formulae and applied to each block containing that intercept. These appear as a series of tables in Appendix 3, and are the source of the summary data in Table 1. In one case, a cell block C500 contained 2 closely spaced intercepts 94-C and 83-2 so it was arbitrarily split into 2 equal areas C500A and C500B, and respective true thicknesses and grades were applied to each block portion. Otherwise, each mineral resource block is derived from one intercept.

Descriptions of the Zones and Veins

Excellent geological descriptions of the rocks hosting gold mineralization on the Valentine Mountain Property have been documented by previous workers who spent extensive time in the field, including two post-graduate university theses (Fairchild, 1979; and Wingert, 1984). Numerous field exploration programs have been well documented by consultant and company geologists who generated most of the

technical data on which this report was based (Grove, 1981-1984, 1990; Chandler, 1985; Mazacek, 1988; Allen, 1989; McCorquodale et.al., 1989; Faulkner, 1996; Burgoyne, 1998-1999; Kikauka, 1997-2010; Houle, 2004-2009), including excellent descriptions and mapping of the mineralized zones and veins. All descriptions of geology and gold mineralization on the Valentine Mountain Property is adequately described by and classified under BC Mineral Deposit Profile I01 Au QUARTZ VEIN.

The Valentine Mountain Property covers the western 5 km. of the 6 km. long gold corridor (Burgoyne, 1998), and contains 2 known clusters of stacked, E-W trending, gold-bearing quartz veins centred about 4 km. apart. The eastern cluster consists of the Discovery Zone, the Discovery West Zone and perhaps the Log Dam Zone; and the western cluster consists of the BN Zone and the Braiteach Zone. Due to the widely spaced nature of historical data and the current drilling program taking place at the Braiteach/BN Zones, they have not been evaluated in this report. The sparse nature of available data, and generally low gold grades at the Log Dam Zone makes it impossible to model, although geo-statistics have been presented for the 6 interpreted intercepts.

The Discovery Zone is located entirely on cell mineral claim 506801, which is subject to a 5% N.S.R. on future production capped at $1 million. No other mineral resources on the property are subject to any royalties. However, cell mineral claim 528199 is located 500 m. east of the Discovery Zone, covers the eastern projection of the gold corridor for a strike length of 1 km., but is excluded from the Valentine Mountain Property.

The geological mapping and representative chip or channel sampling completed in the three large blasted trenches at the Discovery Zone establish persistent strike continuity of the C Vein (94-C), and the B Vein (85-B). The northerly of 2 veins (85AN) mapped and sampled in the A Trench have been interpreted as the B Vein, and the southerly vein (85AS) as one of several splay veins locally found between the C and B veins. Diamond drilling has adequately confirmed the down-dip continuity of the C Vein (36 drill intercepts) and the B Vein (35 drill intercepts). Although continuity of gold grades are inconsistent within each vein, there is sufficient confidence in the structural continuity of each vein, and in the consistency of the apparent plunge trends displayed in the gold grade x width longitudinal projections for each vein, to establish indicated mineral resource estimates for the Discovery C Vein and the Discovery B Vein.

The Discovery Zone C Vein is delineated over a 600 m. strike length and a 125 m. dip length, has a strike direction of 095^0 Azimuth; and contains gold intercepts exceeding 3 g/t in 11 of 37 intercepts clustered over a strike length of 175 m. and a dip length of 125 m. This portion of the vein strikes 100^0 Azimuth and has an average dip of 63^0 South; and displays 2 different apparent plunge trends of 25^0 East and 65^0 West.

The Discovery Zone B Vein is located 20 to 40 m. in the footwall (North) of, and sub-parallel to, the C Vein. The B Vein is delineated over a 600 m. strike length and a 150 m. dip length; has a strike direction of 090^0 Azimuth, has an average dip of 67^0 South; and contains gold intercepts exceeding 3 g/t in 6 of 36 intercepts clustered in 2 areas centred about 300 m. apart along strike. The vein portion in the western area strikes from 120^0 to 080^0 Azimuth; and contains 3 gold intercepts over a strike length of 75 m. and a dip length of 50 m.; and displays an apparent primary plunge of 20^0 East, and a possible secondary plunge at 70^0 West. The vein portion in the eastern area strikes from 100^0 to 080^0 Azimuth; and contains 2 gold intercepts over a strike length of 50 m. and a dip length of 75 m.; and displays apparent plunge trends of 40^0 East and 50^0 West.

In the Discovery Zone are at least 2 additional E-W striking veins both located 25-100 m. in the footwall (North) of the B Vein, namely E Vein and F Vein, based on drill intercepts only. The Discovery Zone E Vein is delineated over a strike length of 400 m. and a dip length of 225 m., has strike direction of about 085^0 Azimuth; and contains gold intercepts exceeding 3 g/t in only 1 of 20 intercepts, projected over a strike length of 175 m. and a dip length of 125 m. This portion of the vein strikes about 100^0 Azimuth and has an average dip of 45^0 south; and displays an apparent plunge of 15^0 East and a possible secondary plunge of 80^0 west. There is sufficient confidence in the continuity of the E Vein to establish an inferred mineral resource estimate, but insufficient at this time for an indicated mineral resource. The Discovery Zone F Vein is delineated over a strike length of 200 m. and a dip length of 200 m., based on 13 drill intercepts, only 1 of which exceeded 3 g/t gold, which was cut to below that threshold after applying geo-statistics. No modeling was completed on the F Vein due to its low gold grades.

The Discovery West Zone can be reasonably interpreted as a westerly strike continuation of the Discovery Zone, since it contains 4 south-dipping, locally gold-bearing quartz veins within a 150 m. thick sequence of similar host rocks, three of which appear to correlate with the C, B and E Veins at Discovery Zone. The 4th vein arbitrarily named S Vein appears to occur in the hanging-wall (South) of the C Vein, suggesting a possible en-echelon relationship between the veins in the gold corridor. It also appears that S, C and E Veins converge with the B Vein to the east of Discovery West Zone, but this interpretation is based on only 14 intercepts in 4 drill holes and 1 small, manual trench. Obviously, the Discovery West Zone requires considerably more data (intercepts) for improved and probably much different interpretation. With present data, only the C Vein contains intercepts above the 3 g/t gold threshold, and therefore the other 3 veins at Discovery West were not considered for resource estimation.

Discussion

The author is a qualified person for this report based on 5 years' experience as a mine geologist in narrow vein underground silver and gold mines in B.C. and Ontario; and 12 years' familiarity with the Valentine Mountain Property as the Southwest B.C. Regional Geologist, and as a mineral exploration consultant. The author is independent of Mill Bay Ventures Inc., who holds 100% interest in the Valentine Mountain Gold Property. However, mineral claim 506801 which covers the Discovery Zone is subject to a 5% N.S.R. on future production capped at $1 million, payable to Beau Pre Explorations Ltd., of which the author is a creditor, due to unpaid invoices from 2004 and 2005 totalling $12,796.14. This debt does not affect the author's independence from Mill Bay.

There were several key assumptions made in estimating mineral resources, which have been referred to earlier in this report, with details and implications described as follows:

- Drill hole collar and trench locations are based on combined GPS field measurements for modern (2004 and later) drilling with transit and/or grid-based field measurements for earlier (1982 to 2000) drilling and trenching. Many of the earlier drill hole collars are no longer visible in the field and therefore cannot be verified. Four pins of the survey pin array used to locate historic drill holes and trenches were relocated in the field and measured in 2010 using high resolution GPS, along with all 2010 drill hole collars, and used to adjust the relative locations of all earlier drill collar and trench locations. Nonetheless, some uncertainty remains, particularly with the elevation measurements.

- The spatial locations of some of the drill intercepts are uncertain since down-hole survey measurements were completed in only 41 of the 99 drill holes, summarized by number and year as follows:
    - Pajari bearing, dip measurements: 36 drill holes (1987-1988, 2010-2011)
    - Acid test dip measurements: 5 drill holes (1987, 1998)
    - No measurements: 58 holes (1982, 1987-1989, 1999-2000, 2004, 2009)

- Sampling consistency between drilling programs was highly variable in both frequency and interval lengths, ranging from selective sampling of visually mineralized core sections only to exhaustive core sampling from hole collar to toe; and from geologically based intervals to regularly spaced intervals regardless of geology or mineralization. Both selective sampling only, and the use of regularly spaced intervals, may cause missed or diluted drill core intercepts, particularly those containing erratically distributed, coarse gold. Therefore, it is possible that at least some of the drill core intercepts on the Valentine Mountain Property contain under-stated gold grades.

- Varieties of analytical methods were available and used at different commercial laboratories during sampling of drill core and trenches over time. Generally, accredited laboratories performed analyses on samples sent from the Valentine Mountain Property, and industry standard methods of the time were used by those laboratories. Fire assays, including screened pulp assays, were commonly used on samples containing visible gold or on re-assays of samples, often yielding higher gold grades from initial geochemical analyses during most of the drilling and trenching programs.

The estimated mineral resources on the Valentine Mountain Property could be affected by several technical issues, described as follows:

- Additional drilling is required to delineate the higher grade plunge trends along the Discovery Zone C Vein prior to completing any economic study using the indicated mineral resources; Discovery Zone B and E Vein and Discovery West Zone C Vein plunge trends should also be tested by drilling for additional and/or higher grade intercepts in order to establish indicated mineral resources.

- The highly variable grades of gold mineralization within the vein structures suggests that strategically positioned underground development including detailed mapping and sampling along vein structures in 2 dimensions (drifts and raises) is required to establish measured mineral resources within any of the indicated mineral resource blocks, and prior to completing any feasibility study.

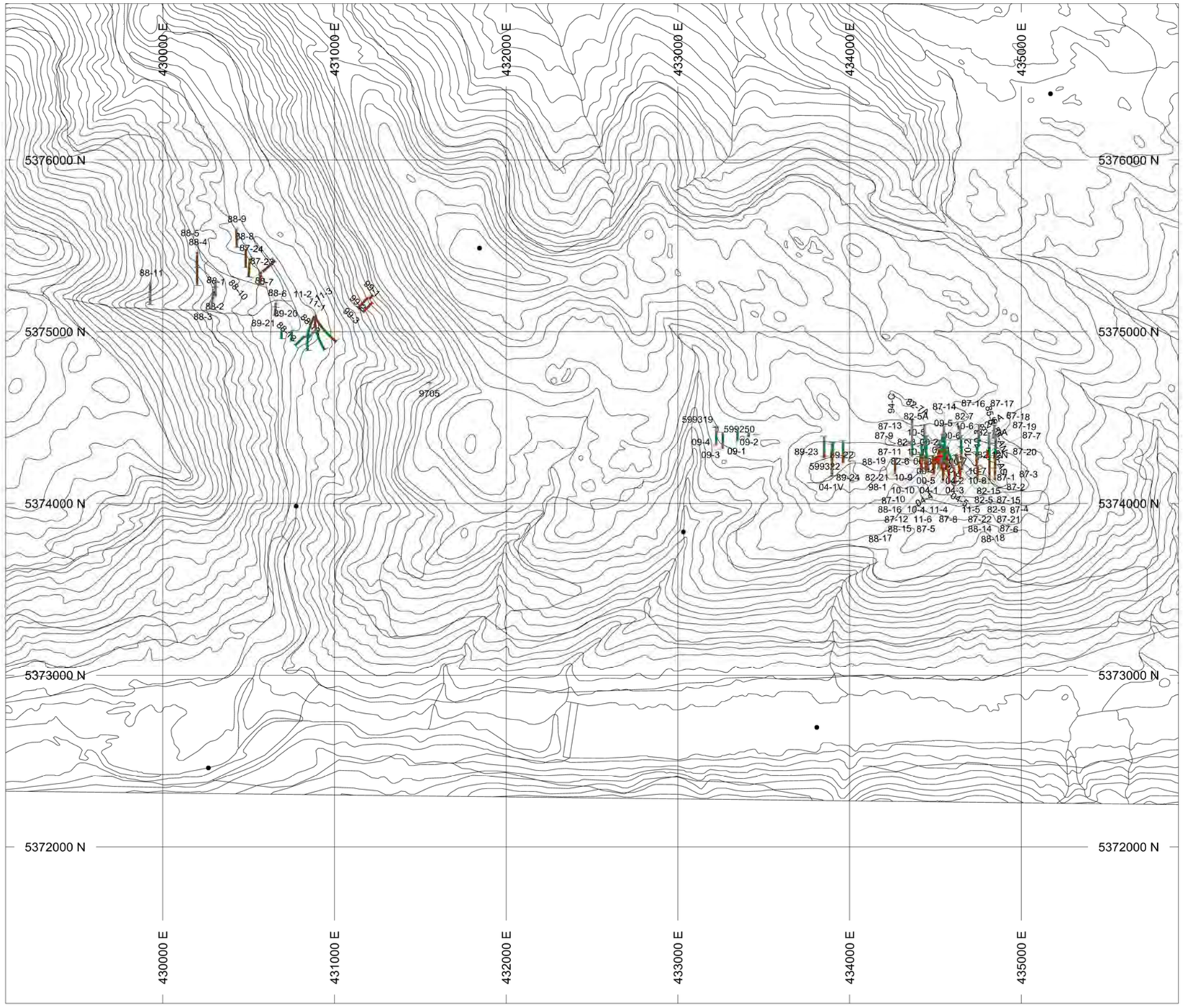
- The narrow widths of the intercepts suggest that selective, manual underground mining methods will be required to extract them, which is labour intensive, and more expensive than mechanized bulk mining methods.

- The presence of arsenopyrite, pyrite and/or pyrrhotite in many of the gold quartz vein intercepts implies that multi-stage processing may be required to effectively recover gold and possibly silver from mineralized rock.

- The existing tailings facility located immediately south of the Discovery Zone may be inadequate in size or location for effective utilization in any future processing scenario for the mineral resources on the Valentine Mountain Property. The dam requires maintenance work if it is to be considered for future use, or reclaimed.

The estimated mineral resources on the Valentine Mountain Property could also be affected by several non-technical issues, listed as follows:

- The 5% N.S.R. on future production from mineral claim 506801 could impact the mining cost, cut-off grade and mineral resource estimates for any or all of the veins located in the Discovery Zone, including the C Vein and B Vein.
- Environmental, permitting, social, first nations, and/or political issues may arise in the future, and need to be addressed pro-actively if the project is to be advanced.



HOLES PLOTTED

TOTAL 107

00-1	00-2	00-3	00-4	00-5	00-6	00-7	00-8
04-1	04-1V	04-2	04-3	04-4	04-5	09-1	09-2
09-3	09-4	09-5	10-1	10-10	10-2	10-3	10-4
10-5	10-6	10-7	10-8	10-9	11-1	11-2	11-3
11-4	11-5	11-6	599250	599319	599322	82-12A	82-12N
82-15	82-21	82-3	82-5	82-5A	82-6	82-6A	82-7
82-7A	82-9	85-AN	85-AS	85-B	87-1	87-10	87-11
87-12	87-13	87-14	87-15	87-16	87-17	87-18	87-19
87-2	87-20	87-21	87-22	87-23	87-24	87-3	87-4
87-5	87-6	87-7	87-8	87-9	88-1	88-10	88-11
88-12	88-13	88-14	88-15	88-16	88-17	88-18	88-19
88-2	88-3	88-4	88-5	88-6	88-7	88-8	88-9
89-20	89-21	89-22	89-23	89-24	94-C	9705	98-1
99-1	99-2	99-3					

ROCK CODES	PAT	LABEL
Rock_Code		metapelite
		metasandstone
		amphibolite
		quartz diorite
		quartz vein

PLAN SPECS:

REF. PT. E, N	432500 m	5374000 m
EXTENTS	6830 m	5823 m

Figure 1

SCALE 1 : 25000

(m)

-200 0 200 400 600 800 1000 1200

NAD83 / UTM zone 10N

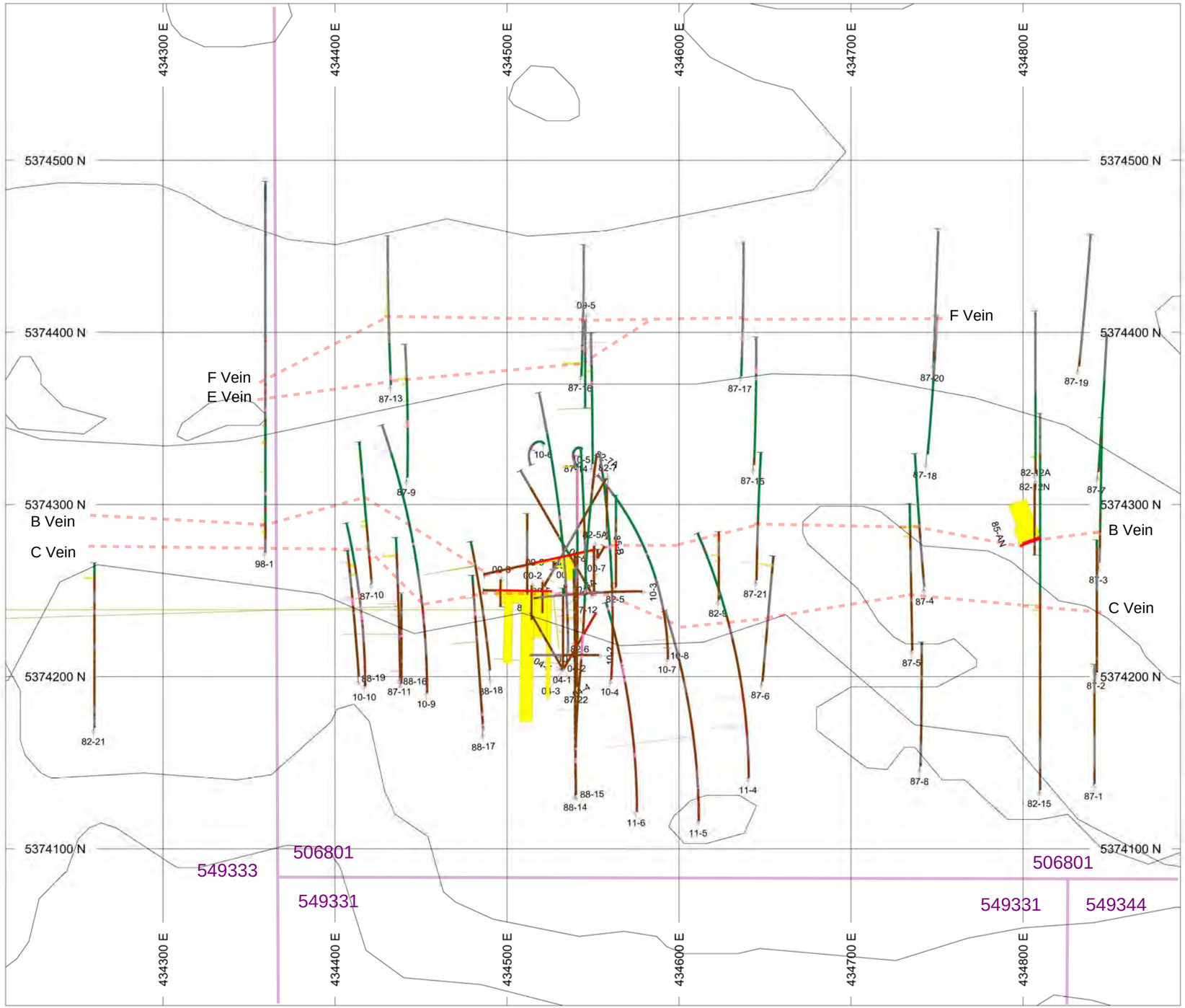
N W E S

Mill Bay Ventures Inc.

Valentine Mountain Property

1982-2011 Drilling

Discovery Zone to Braiteach/BN Zone



HOLES PLOTTED

TOTAL 72

00-1	00-2	00-3	00-4	00-5	00-6
00-7	00-8	04-1	04-2	04-3	04-4
04-5	09-5	10-1	10-10	10-2	10-3
10-4	10-5	10-6	10-7	10-8	10-9
11-4	11-5	11-6	82-12A	82-12N	82-15
82-21	82-3	82-5	82-5A	82-6	82-6A
82-7	82-7A	82-9	85-AN	85-AS	85-B
87-1	87-10	87-11	87-12	87-13	87-14
87-15	87-16	87-17	87-18	87-19	87-2
87-20	87-21	87-22	87-3	87-4	87-5
87-6	87-7	87-8	87-9	88-14	88-15
88-16	88-17	88-18	88-19	94-C	98-1

Cell Mineral Claim Boundaries — 560801, 549331

Vein Intercepts Projected to Surface

BAR GRAPHS	L/R	COL
Au	R	
As	R	

ROCK CODES Rock_Code	PAT	LABEL
		metapelite
		metasandstone
		amphibolite
		quartz diorite
		quartz vein

PLAN SPECS:

REF. PT. E, N	434600 m	5374000 m
EXTENTS	683 m	582.3 m

Figure 2

SCALE 1 : 2500

(m)

-20 0 20 40 60 80 100 120

NAD83 / UTM zone 10N

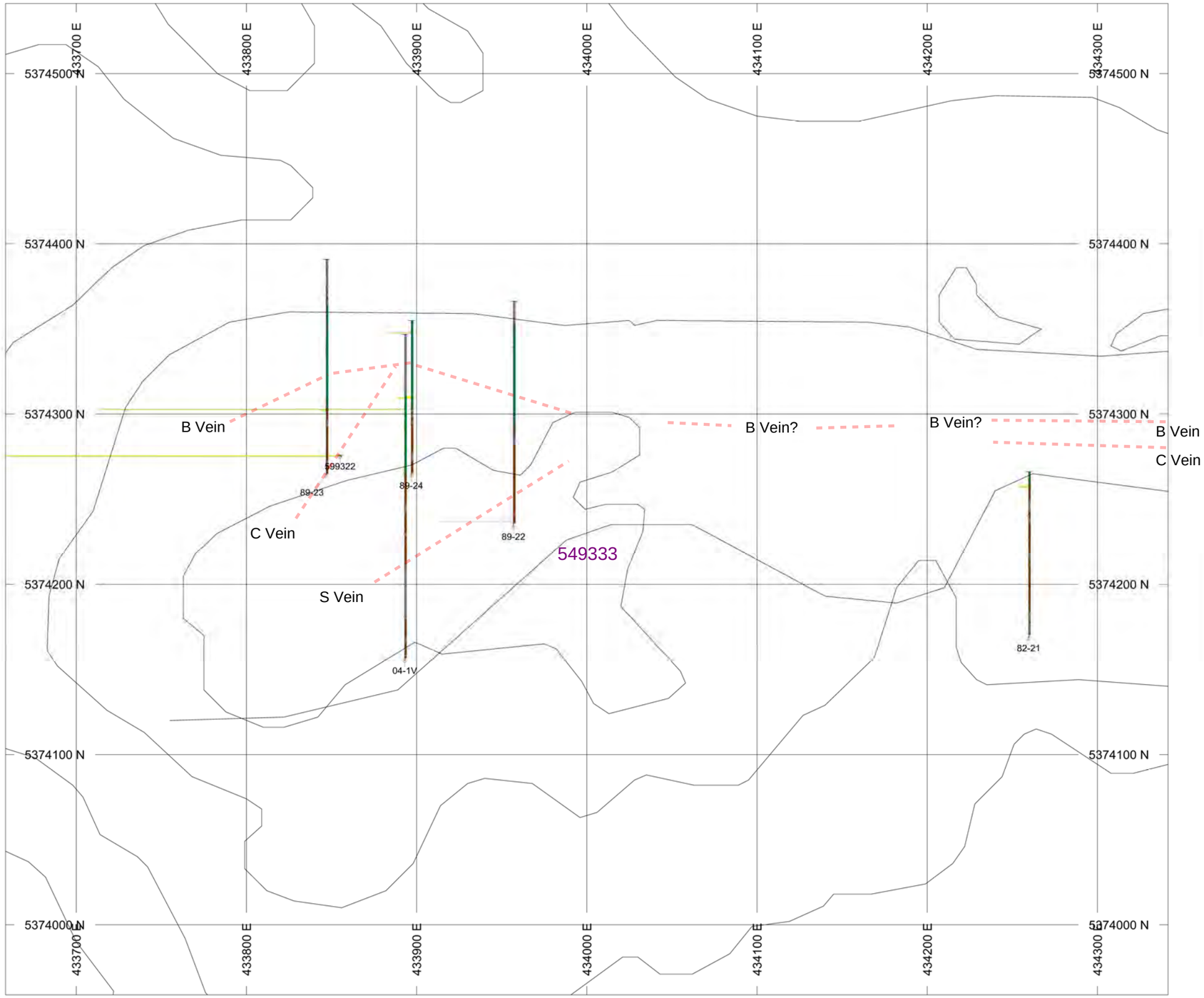
N W E S

Mill Bay Ventures Inc.

Valentine Mountain Property

1982-2011 Drilling and Trenching

Discovery Zone



HOLES PLOTTED

TOTAL 6

04-1V 599322 82-21 89-22 89-23
89-24

Cell Mineral Claim 549333

Vein Intercepts Projected to Surface

BAR GRAPHS	L/R	COL
Au	R	
As	R	

ROCK CODES Rock_Code	PAT	LABEL
		metapelite
		metasandstone
		amphibolite
		quartz diorite
		quartz vein

PLAN SPECS:

REF. PT. E, N	434000 m	5374000 m
EXTENTS	683 m	582.3 m

Figure 3

SCALE 1 : 2500

(m)

-20 0 20 40 60 80 100 120

NAD83 / UTM zone 10N

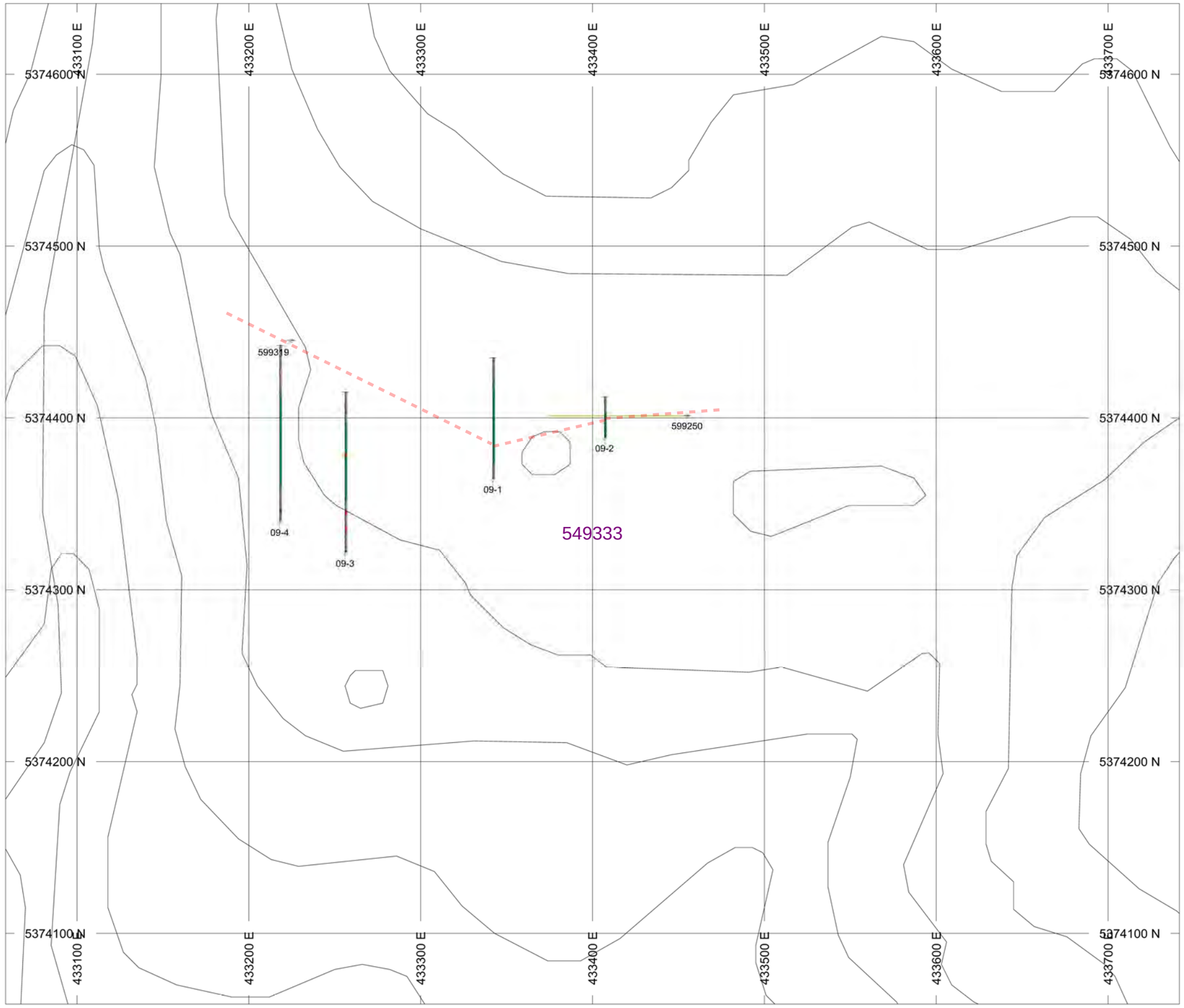
N W E S

Mill Bay Ventures Inc.

Valentine Mountain Property

1989-2004 Drilling and Trenching

Discovery West Zone



HOLES PLOTTED

TOTAL 6

09-1 09-2 09-3 09-4 599250
599319

Cell Mineral Claim 549333

Intercepts Projected to Surface

BAR GRAPHS	L/R	COL
Au	R	
As	R	

ROCK CODES Rock_Code	PAT	LABEL
		metapelite
		metasandstone
		amphibolite
		quartz diorite
		quartz vein

PLAN SPECS:

REF. PT. E, N	433400 m	5374000 m
EXTENTS	683 m	582.3 m

Figure 4

SCALE 1 : 2500

(m)

-20 0 20 40 60 80 100 120

NAD83 / UTM zone 10N

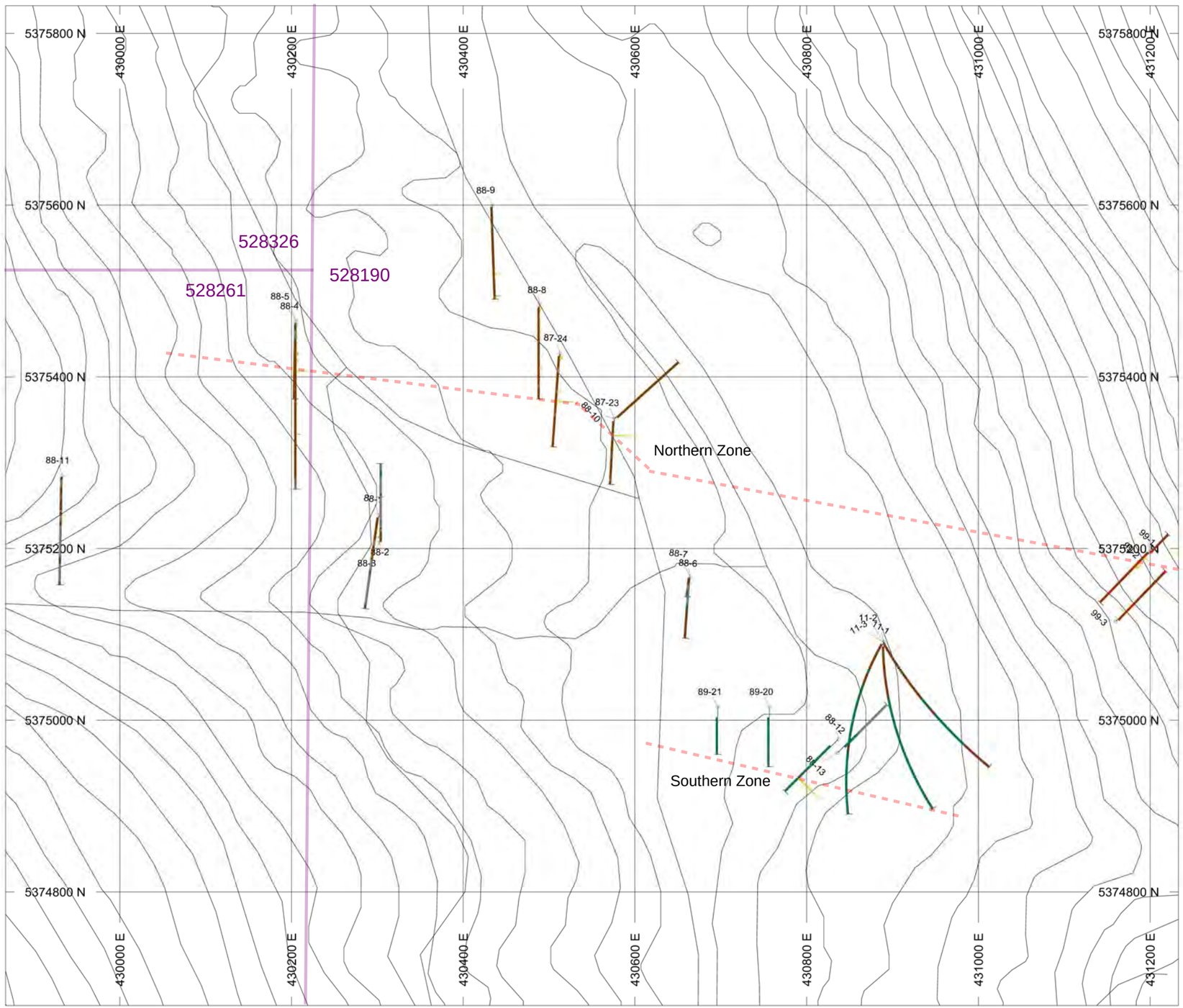
N W E S

Mill Bay Ventures Inc.

Valentine Mountain Property

2001-2009 Drilling and Trenching

Log Dam Zone



HOLES PLOTTED

TOTAL 23

11-1	11-2	11-3	87-23	87-24	88-1
88-10	88-11	88-12	88-13	88-2	88-3
88-4	88-5	88-6	88-7	88-8	88-9
89-20	89-21	99-1	99-2	99-3	

Vein Intercepts Projected to Surface

Cell Mineral Claim Boundaries 528326 528261

BAR GRAPHS	L/R	COL
Au	R	
As	R	

ROCK CODES Rock_Code	PAT	LABEL
		metapelite
		metasandstone
		amphibolite
		quartz diorite
		quartz vein

PLAN SPECS:

REF. PT. E, N	430600 m	5375000 m
EXTENTS	1366 m	1165 m

Figure 5

SCALE 1 : 5000

(m)

-50 0 50 100 150 200

NAD83 / UTM zone 10N

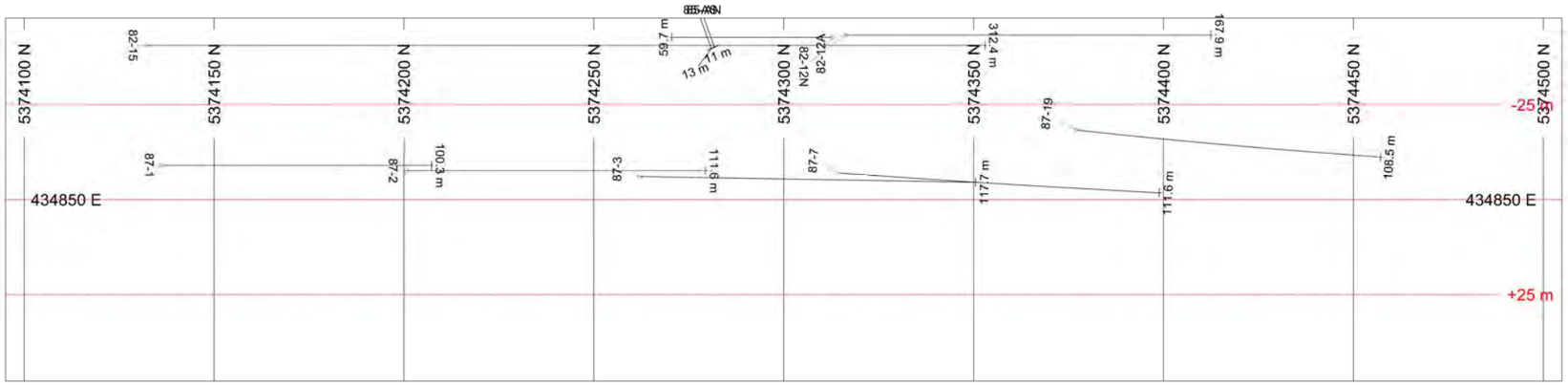
N W E S

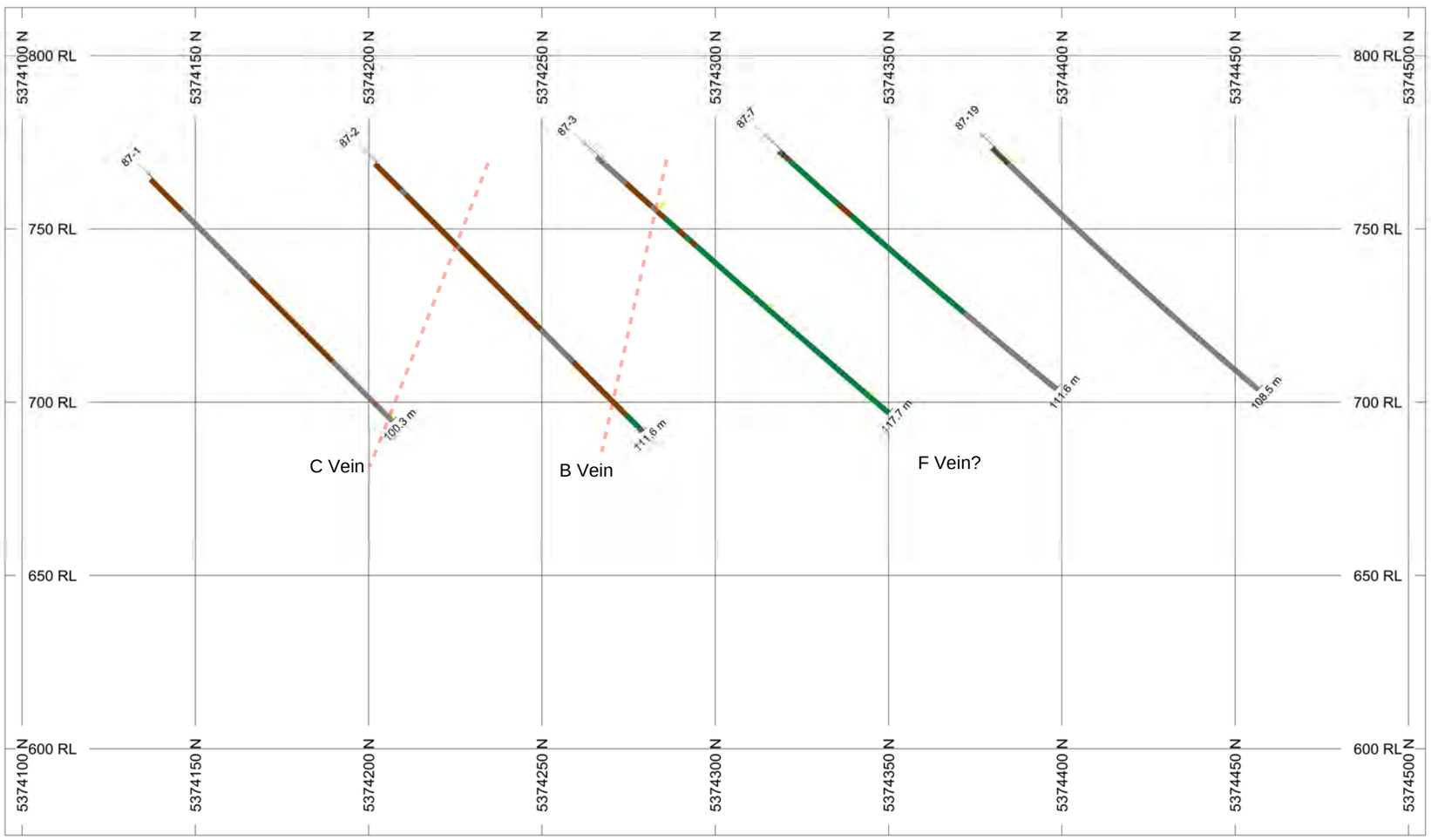
Mill Bay Ventures Inc.

Valentine Mountain Property

1982-2011 Drilling

Braiteach/BN Zone





HOLES PLOTTED

TOTAL 5

87-1 87-19 87-2 87-3 87-7

BAR GRAPHS	L/R	COL
Au	R	
As	R	

ROCK CODES	PAT	LABEL
Rock_Code		metapelite
		metasandstone
		amphibolite
		quartz vein

SECTION SPECS:

REF. PT. E, N	434850 m	5374300 m
EXTENTS	409.8 m	238.8 m
SECTION TOP, BOT	813.9 m	575.1 m
TOLERANCE +/-	25 m	

Figure 6

SCALE 1 : 1500

(m)

-20 0 20 40 60

NAD83 / UTM zone 10N

AZIMUTH = 0°

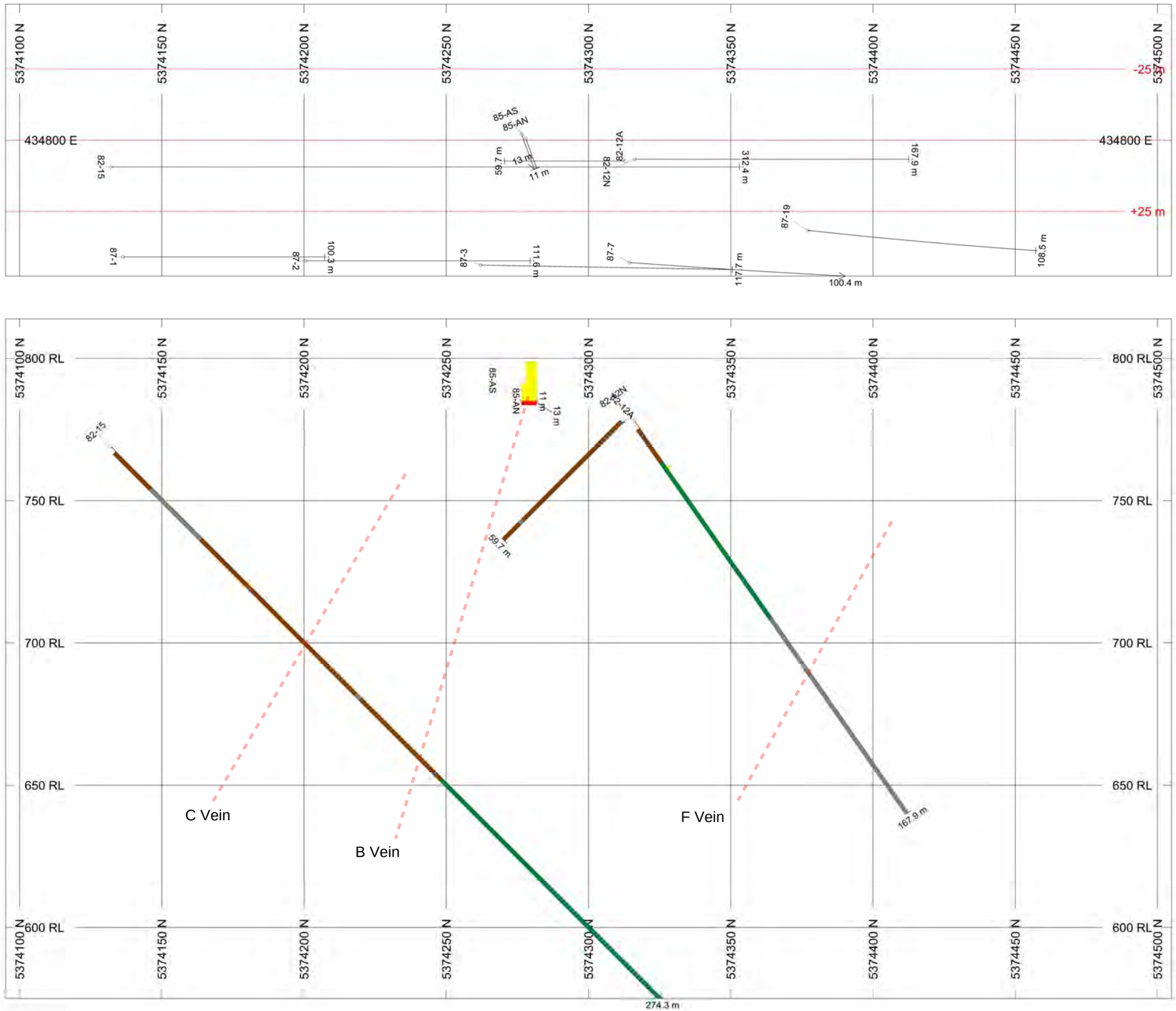
N W E S

Mill Bay Ventures Inc.

Valentine Mountain Property

Discovery Zone

Section 434850 East



HOLES PLOTTED

TOTAL 5

82-12A 82-12N 82-15 85-AN 85-AS

BAR GRAPHS	L/R	COL
Au	R	
As	R	

ROCK CODES	PAT	LABEL
Rock_Code		metapelite
		metasandstone
		amphibolite
		quartz vein

SECTION SPECS:

REF. PT. E, N	434800 m	5374300 m
EXTENTS	409.8 m	238.8 m
SECTION TOP, BOT	813.9 m	575.1 m
TOLERANCE +/-	25 m	

Figure 7

SCALE 1 : 1500

(m)

-20 0 20 40 60

NAD83 / UTM zone 10N

AZIMUTH = 0°

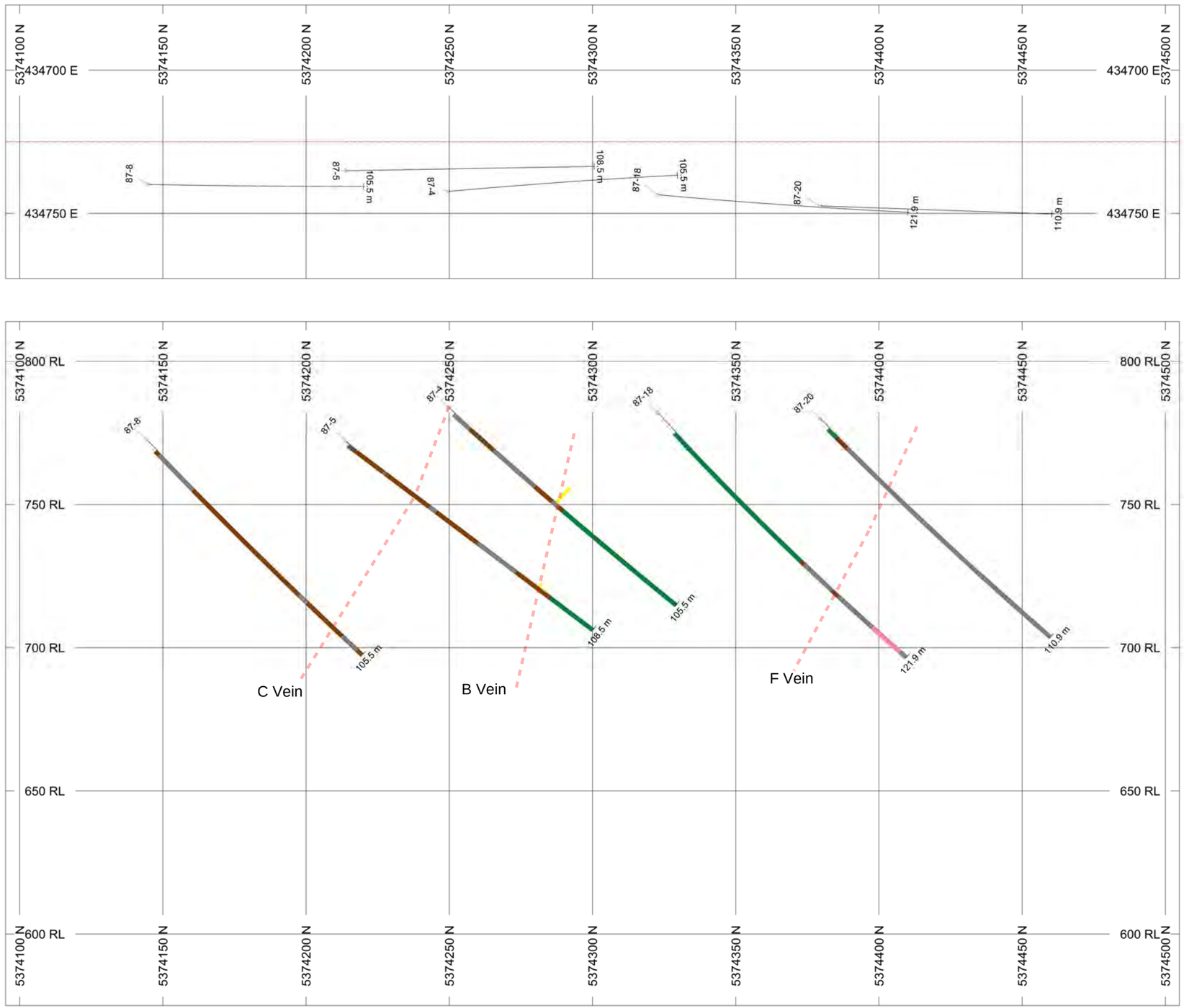
N W E S

Mill Bay Ventures Inc.

Valentine Mountain Property

Discovery Zone

Section 434800 East



HOLES PLOTTED

TOTAL 5

87-18 87-20 87-4 87-5 87-8

BAR GRAPHS	L/R	COL
Au	R	
As	R	

ROCK CODES	PAT	LABEL
Rock_Code		metapelite
		metasandstone
		amphibolite
		quartz diorite
		quartz vein

SECTION SPECS:

REF. PT. E, N	434725 m	5374300 m
EXTENTS	409.8 m	238.8 m
SECTION TOP, BOT	813.9 m	575.1 m
TOLERANCE +/-	50 m	

Figure 8

SCALE 1 : 1500

(m)

-20 0 20 40 60

NAD83 / UTM zone 10N

AZIMUTH = 0°

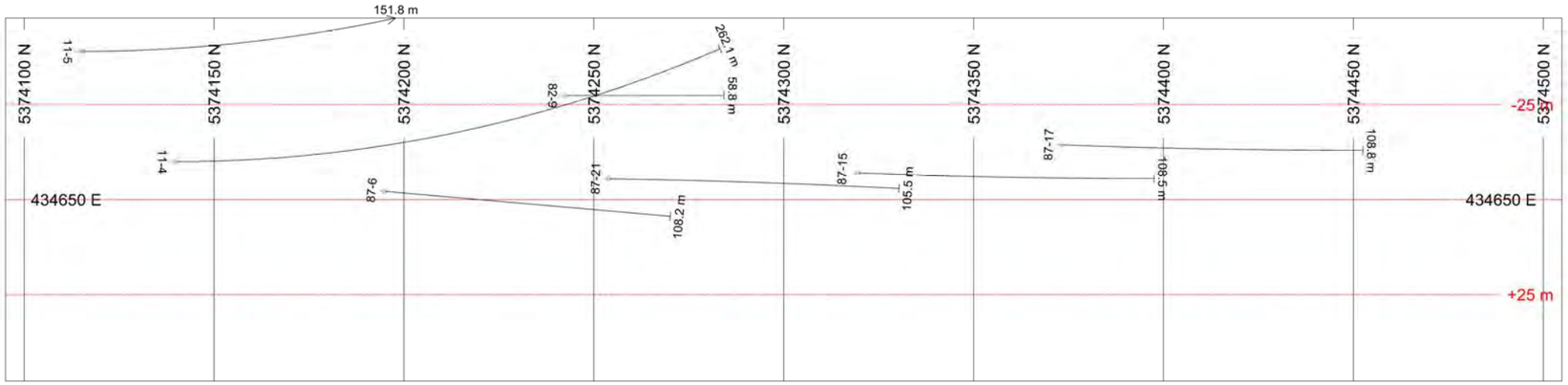
N W E S

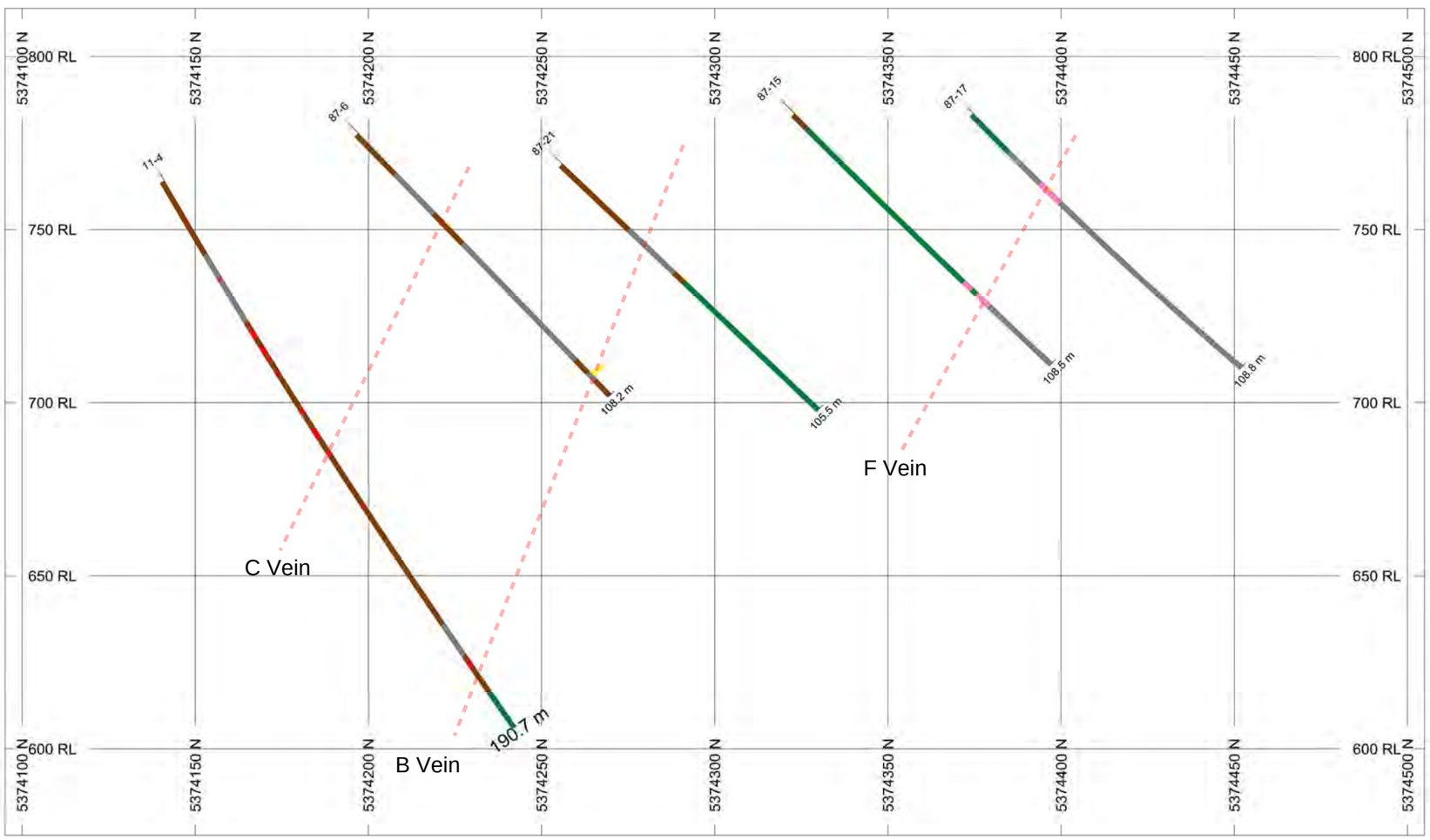
Mill Bay Ventures Inc.

Valentine Mountain Property

Discovery Zone

Section 434725 East





HOLES PLOTTED

TOTAL 5

11-4 87-15 87-17 87-21 87-6

BAR GRAPHS	L/R	COL
Au	R	
As	R	

ROCK CODES	PAT	LABEL
Rock_Code		metapelite
		metasandstone
		amphibolite
		quartz diorite
		quartz vein

SECTION SPECS:

REF. PT. E, N	434650 m	5374300 m
EXTENTS	409.8 m	238.8 m
SECTION TOP, BOT	813.9 m	575.1 m
TOLERANCE +/-	25 m	

Figure 9

SCALE 1 : 1500

(m)

-20 0 20 40 60

NAD83 / UTM zone 10N

AZIMUTH = 0°

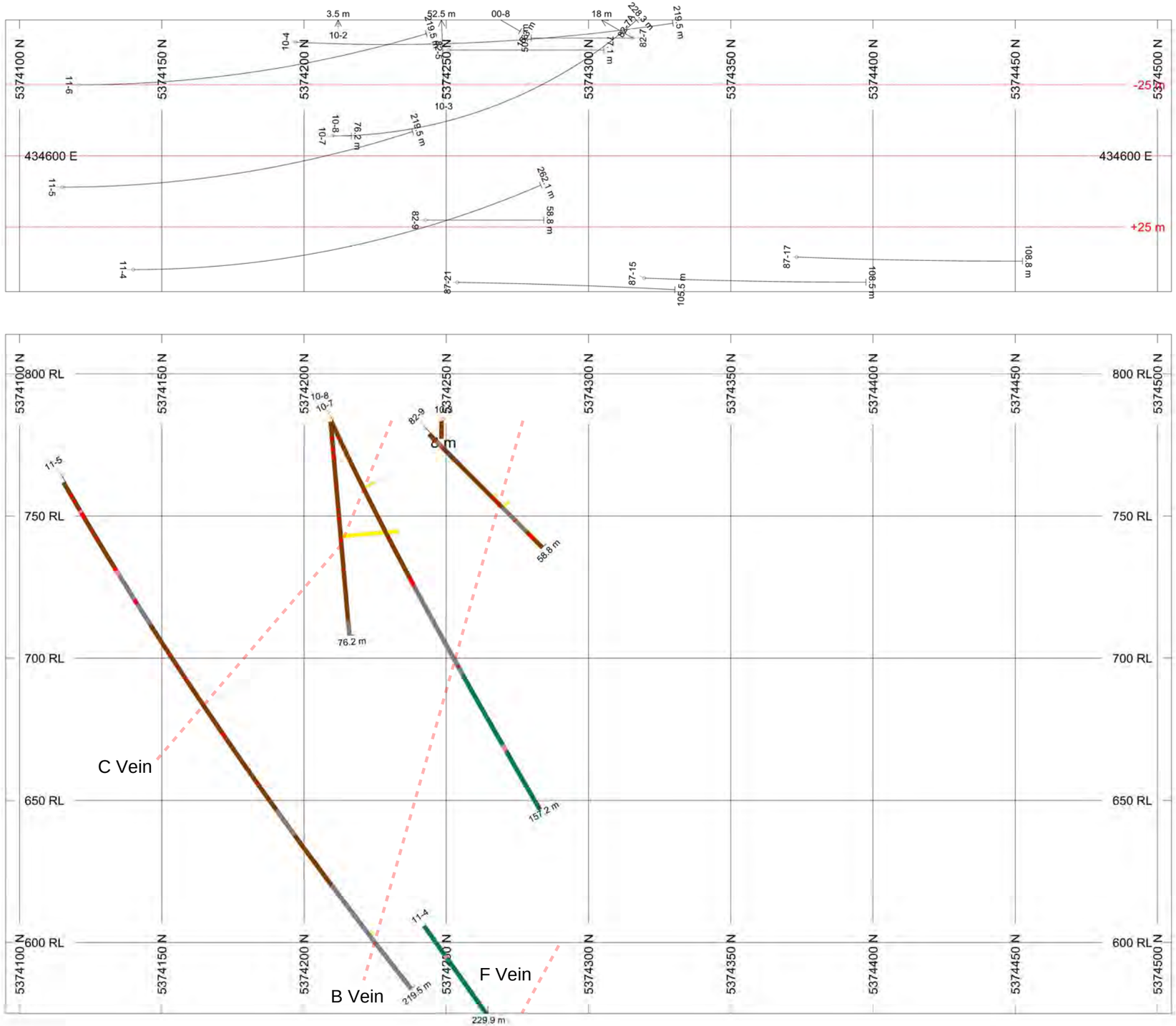
N W E S

Mill Bay Ventures Inc.

Valentine Mountain Property

Discovery Zone

Section 434650 East



HOLES PLOTTED

TOTAL 6

10-3 10-7 10-8 11-4 11-5 82-9

BAR GRAPHS	L/R	COL
Au	R	
As	R	

ROCK CODES	PAT	LABEL
Rock_Code		metapelite
		metasandstone
		amphibolite
		quartz diorite
		quartz vein

SECTION SPECS:

REF. PT. E, N	434600 m	5374300 m
EXTENTS	409.8 m	238.8 m
SECTION TOP, BOT	813.9 m	575.1 m
TOLERANCE +/-	25 m	

Figure 10

SCALE 1 : 1500

(m)

-20 0 20 40 60

NAD83 / UTM zone 10N

AZIMUTH = 0°

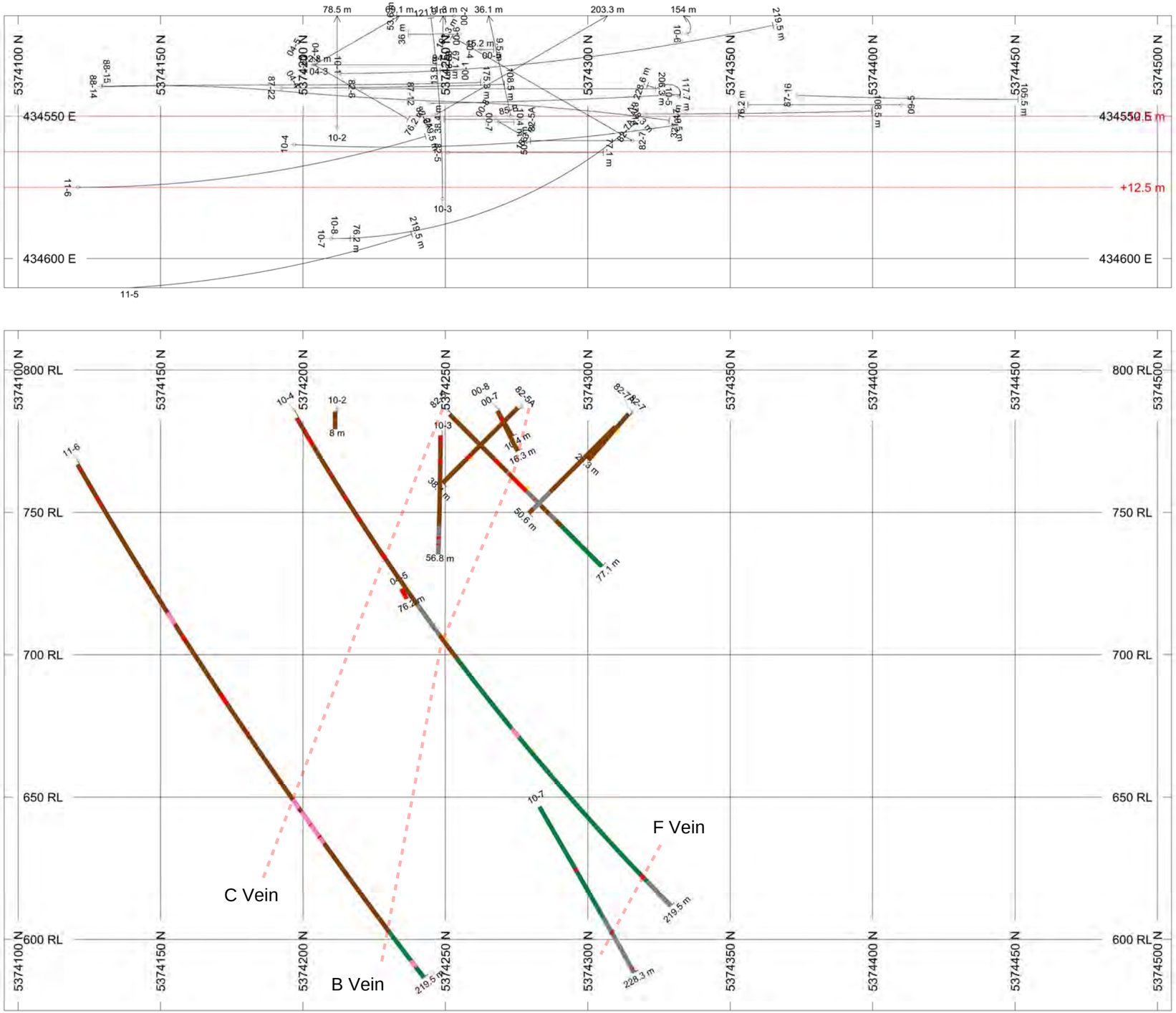
N W E S

Mill Bay Ventures Inc.

Valentine Mountain Property

Discovery Zone

Section 434600 East



HOLES PLOTTED

TOTAL 12

00-7	00-8	04-5	10-2	10-3	10-4
10-7	11-6	82-5	82-5A	82-7	82-7A

BAR GRAPHS	L/R	COL
Au	R	
As	R	

ROCK CODES	PAT	LABEL
Rock_Code		metapelite
		metasandstone
		amphibolite
		quartz diorite
		quartz vein

SECTION SPECS:

REF. PT. E, N	434563 m	5374300 m
EXTENTS	409.8 m	238.8 m
SECTION TOP, BOT	813.9 m	575.1 m
TOLERANCE +/-	12.5 m	

Figure 11

SCALE 1 : 1500

(m)

-20 0 20 40 60

NAD83 / UTM zone 10N

AZIMUTH = 0°

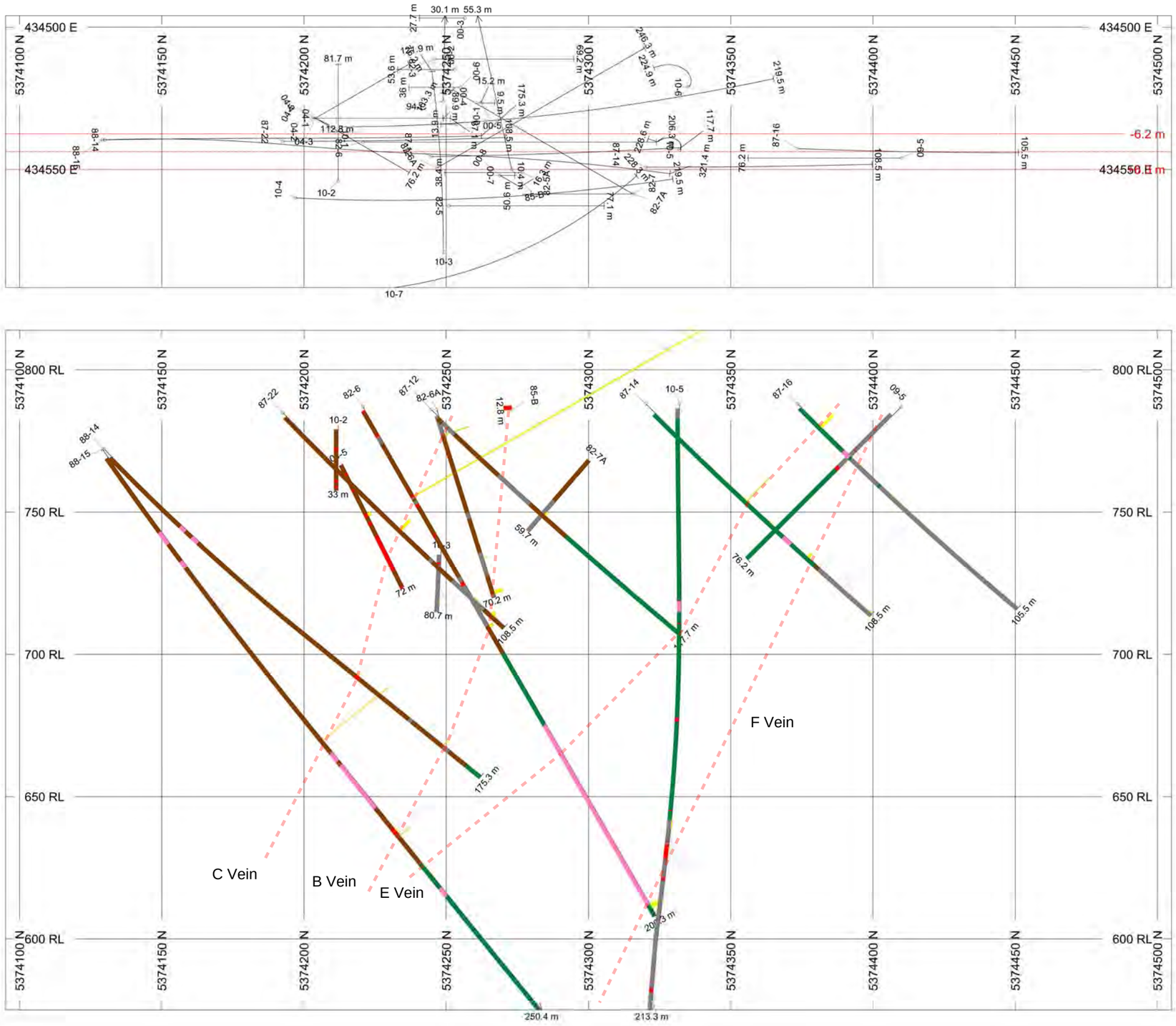
N W E S

Mill Bay Ventures Inc.

Valentine Mountain Property

Discovery Zone

Section 434562.5 East



HOLES PLOTTED

TOTAL 15

04-5	09-5	10-2	10-3	10-5	82-6
82-6A	82-7A	85-B	87-12	87-14	87-16
87-22	88-14	88-15			

BAR GRAPHS	L/R	COL
Au	R	
As	R	

ROCK CODES	PAT	LABEL
Rock_Code		metapelite
		metasandstone
		amphibolite
		quartz diorite
		quartz vein

SECTION SPECS:

REF. PT. E, N	434544 m	5374300 m
EXTENTS	409.8 m	238.8 m
SECTION TOP, BOT	813.9 m	575.1 m
TOLERANCE +/-	6.25 m	

Figure 12

SCALE 1 : 1500

(m)

-20 0 20 40 60

NAD83 / UTM zone 10N

AZIMUTH = 0°

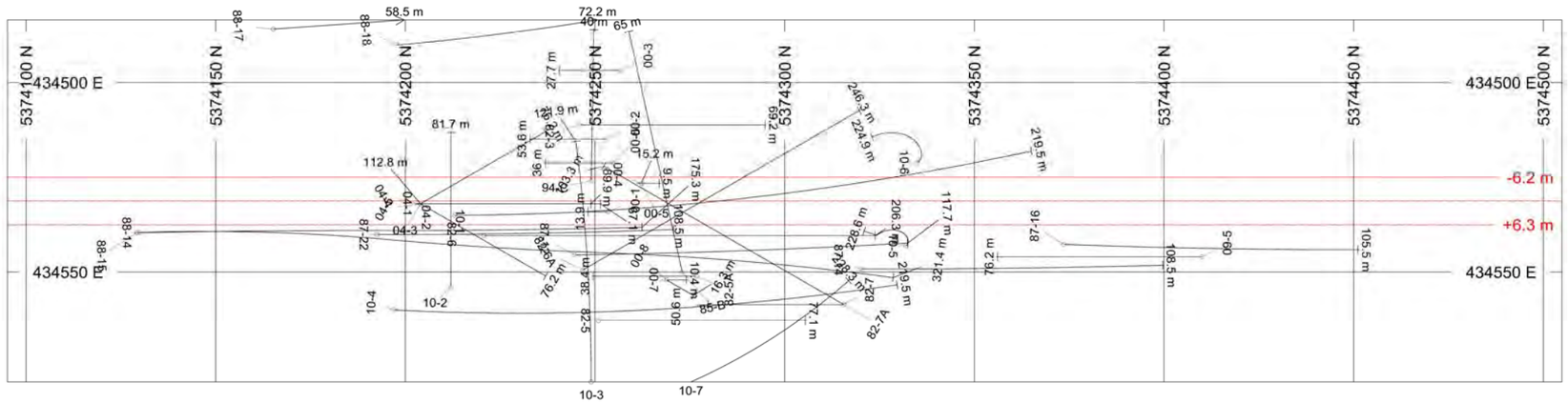
N W E S

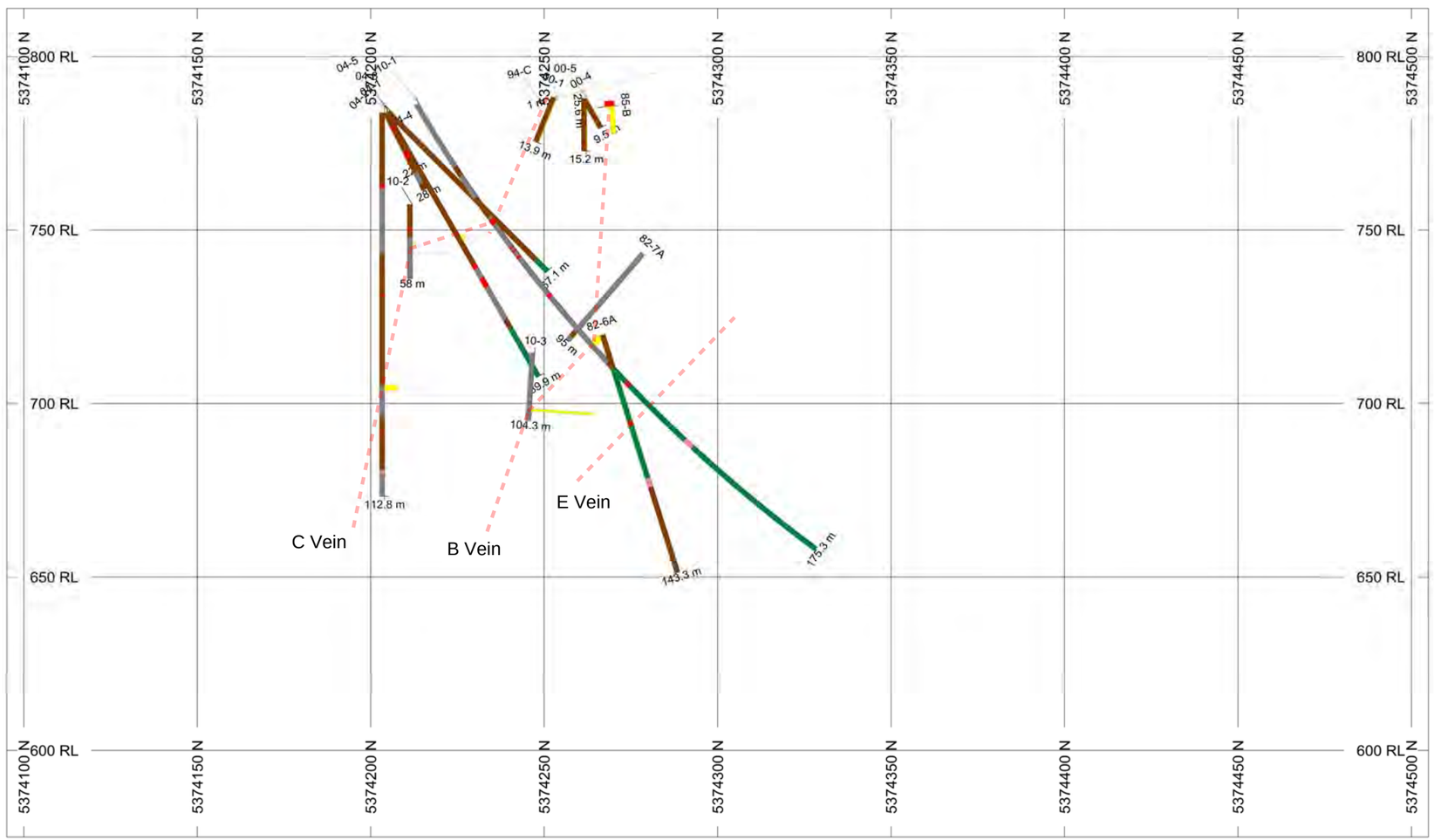
Mill Bay Ventures Inc.

Valentine Mountain Property

Discovery Zone

Section 434543.75 East





HOLES PLOTTED

TOTAL 15

00-1	00-4	00-5	04-1	04-2	04-3
04-4	04-5	10-1	10-2	10-3	82-6A
82-7A	85-B	94-C			

BAR GRAPHS	L/R	COL
Au	R	
As	R	

ROCK CODES	PAT	LABEL
Rock_Code		metapelite
		metasandstone
		amphibolite
		quartz diorite
		quartz vein

SECTION SPECS:

REF. PT. E, N	434531 m	5374300 m
EXTENTS	409.8 m	238.8 m
SECTION TOP, BOT	813.9 m	575.1 m
TOLERANCE +/-	6.25 m	

Figure 13

SCALE 1 : 1500

(m)

-20 0 20 40 60

NAD83 / UTM zone 10N

AZIMUTH = 0°

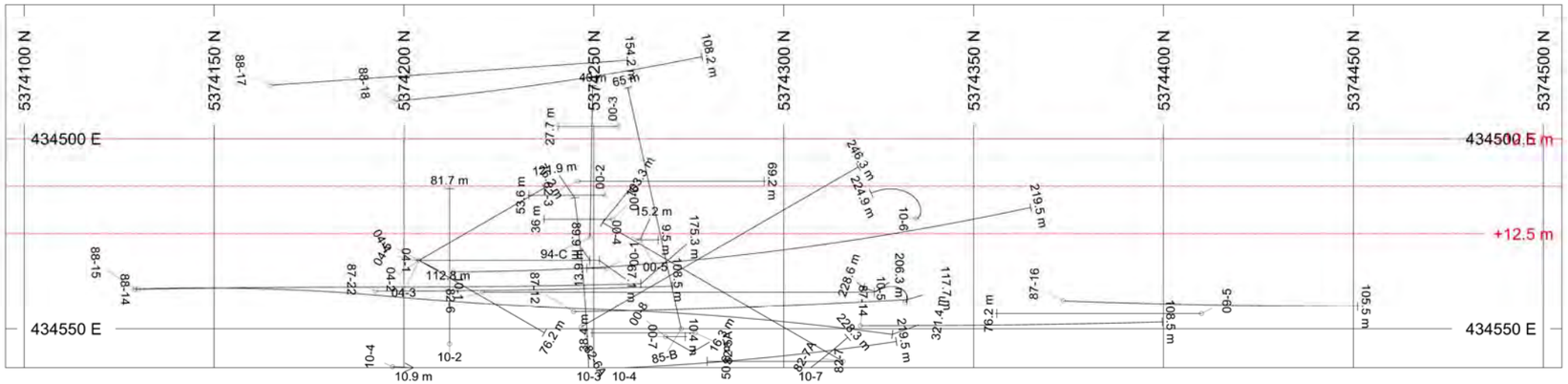
N W E S

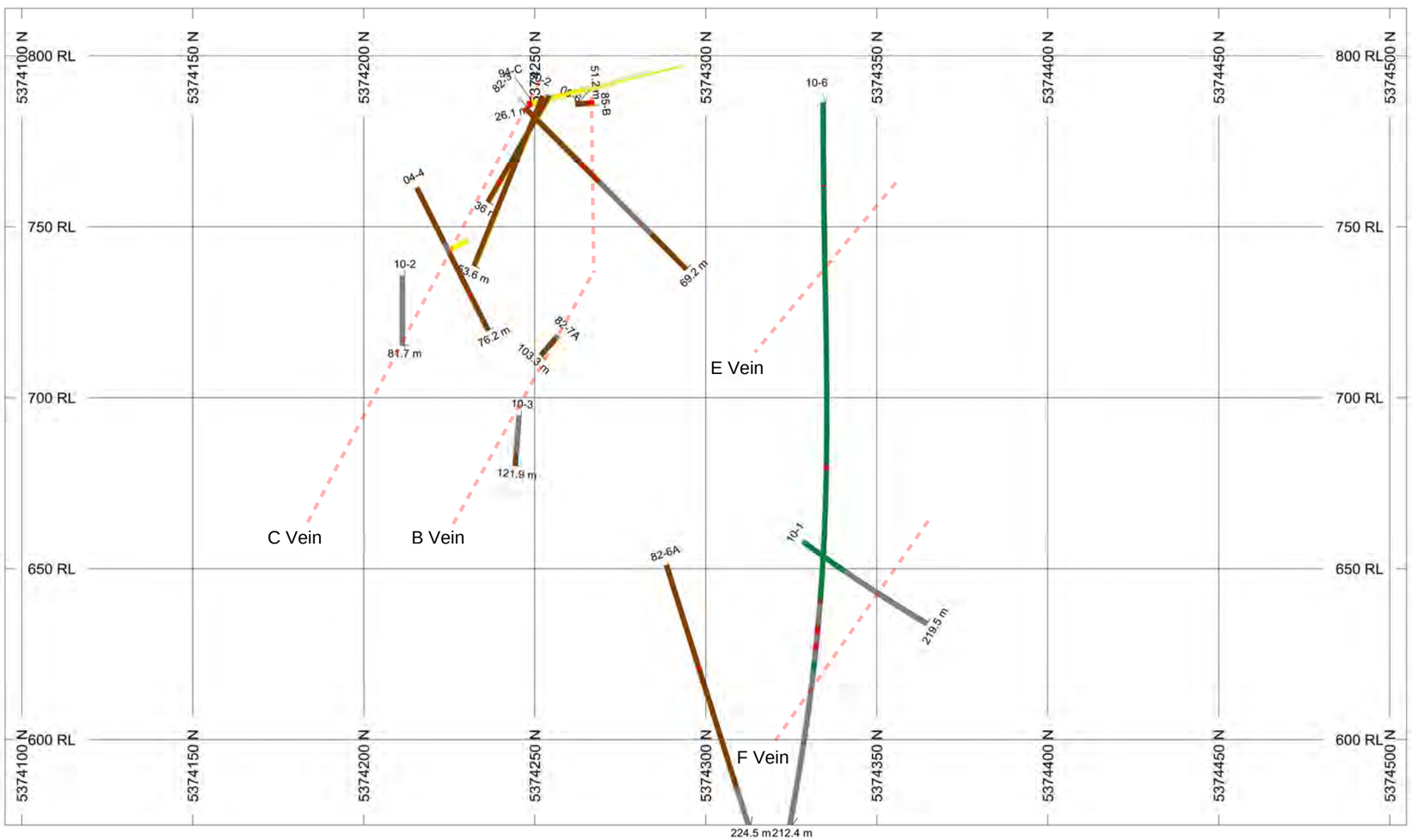
Mill Bay Ventures Inc.

Valentine Mountain Property

Discovery Zone

Section 434531.25 East





HOLES PLOTTED

TOTAL 12

00-2	00-6	04-4	10-1	10-2	10-3
10-6	82-3	82-6A	82-7A	85-B	94-C

BAR GRAPHS	L/R	COL
Au	R	
As	R	

ROCK CODES	PAT	LABEL
Rock_Code		metapelite
		metasandstone
		amphibolite
		quartz diorite
		quartz vein

SECTION SPECS:

REF. PT. E, N	434513 m	5374300 m
EXTENTS	409.8 m	238.8 m
SECTION TOP, BOT	813.9 m	575.1 m
TOLERANCE +/-	12.5 m	

Figure 14

SCALE 1 : 1500

(m)

-20 0 20 40 60

NAD83 / UTM zone 10N

AZIMUTH = 0°

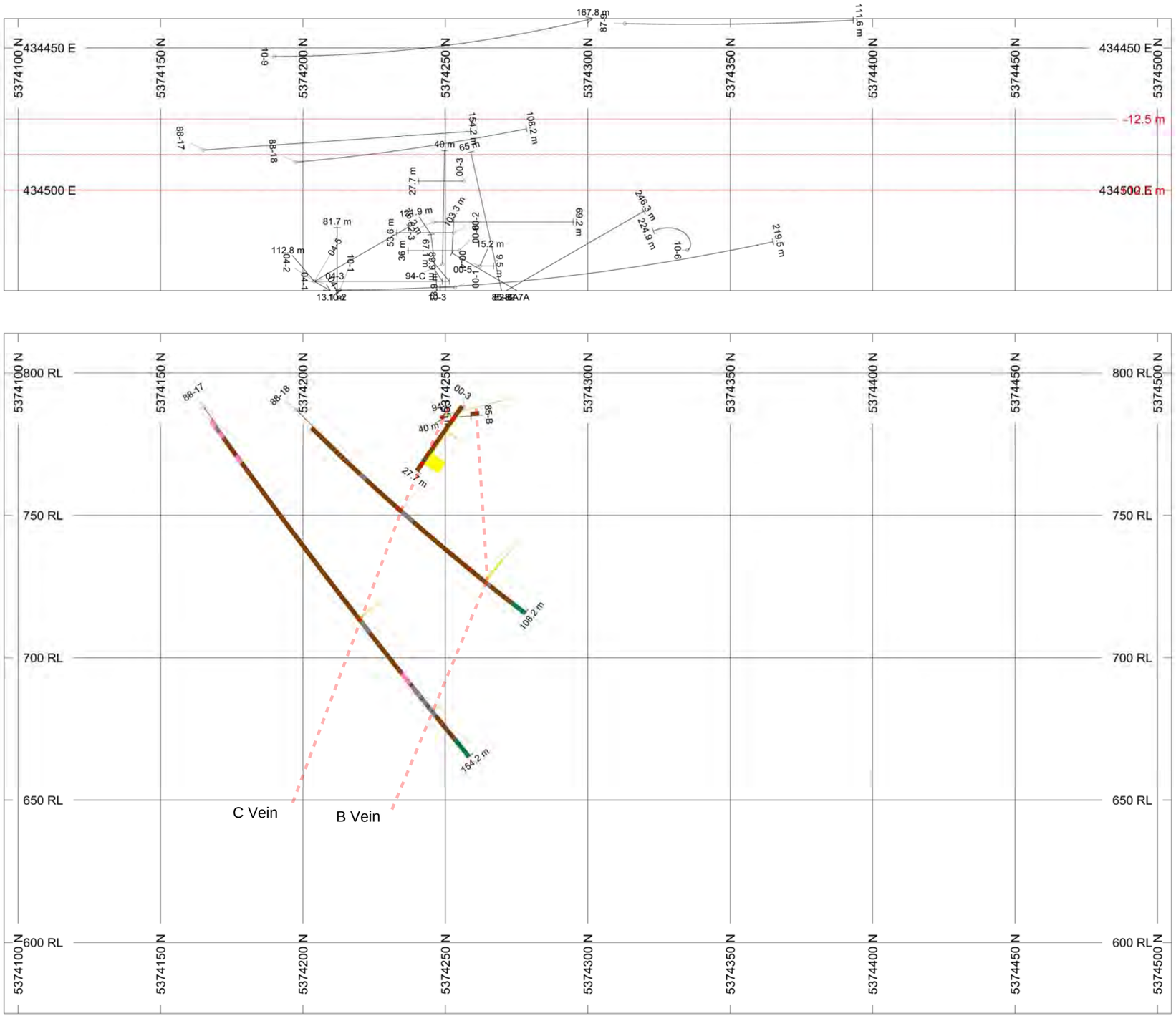
N W E S

Mill Bay Ventures Inc.

Valentine Mountain Property

Discovery Zone

Section 434512.5 East



HOLES PLOTTED

TOTAL 5

00-3 85-B 88-17 88-18 94-C

BAR GRAPHS	L/R	COL
Au	R	
As	R	

ROCK CODES	PAT	LABEL
Rock_Code		metapelite
		metasandstone
		amphibolite
		quartz diorite
		quartz vein

SECTION SPECS:

REF. PT. E, N	434488 m	5374300 m
EXTENTS	409.8 m	238.8 m
SECTION TOP, BOT	813.9 m	575.1 m
TOLERANCE +/-	12.5 m	

Figure 15

SCALE 1 : 1500

(m)

-20 0 20 40 60

NAD83 / UTM zone 10N

AZIMUTH = 0°

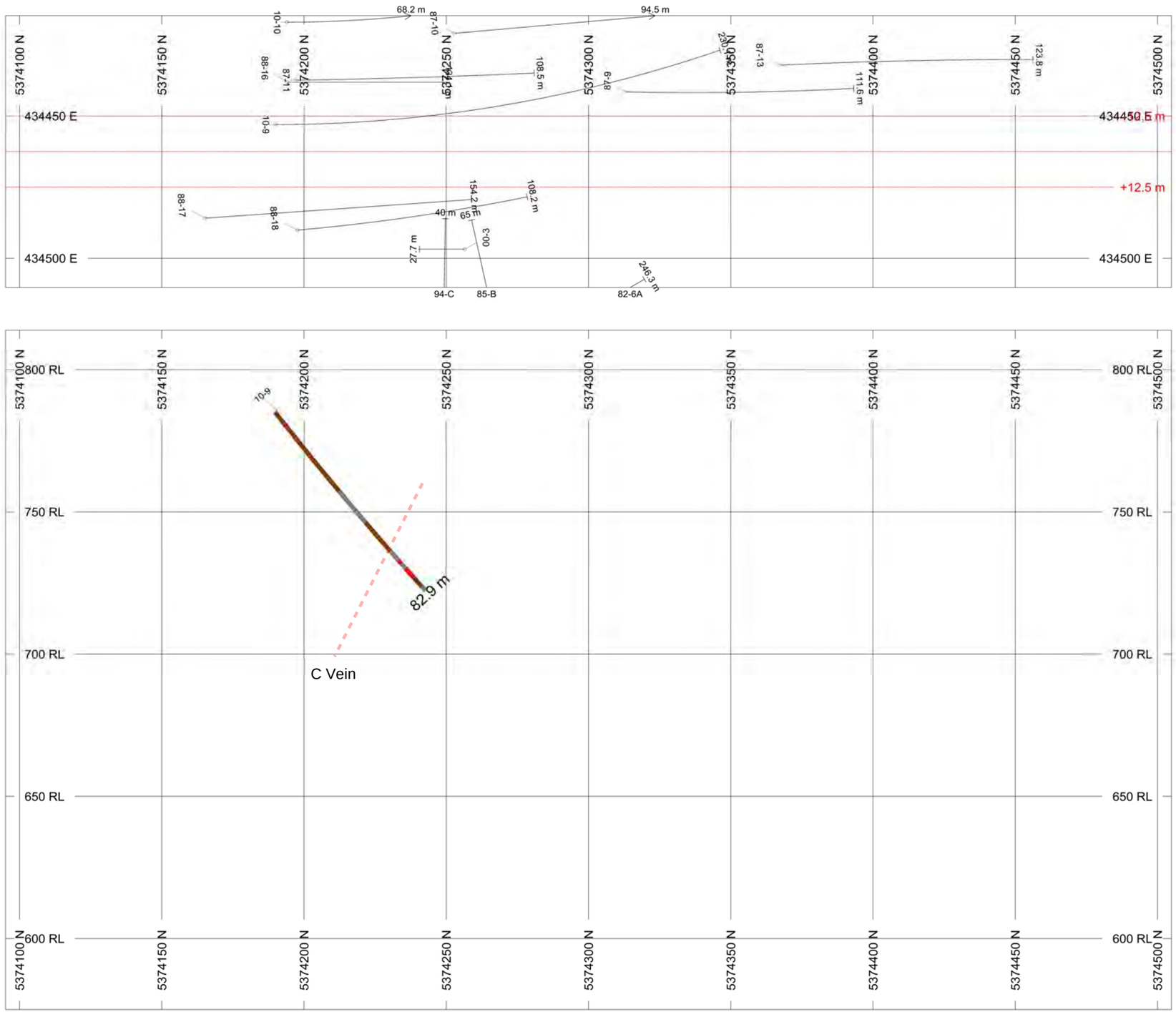
N W E S

Mill Bay Ventures Inc.

Valentine Mountain Property

Discovery Zone

Section 434487.5 East



HOLES PLOTTED

TOTAL 1

10-9

BAR GRAPHS	L/R	COL
Au	R	
As	R	

ROCK CODES	PAT	LABEL
Rock_Code		metapelite
		metasandstone
		amphibolite
		quartz diorite
		quartz vein

SECTION SPECS:

REF. PT. E, N	434463 m	5374300 m
EXTENTS	409.8 m	238.8 m
SECTION TOP, BOT	813.9 m	575.1 m
TOLERANCE +/-	12.5 m	

Figure 16

SCALE 1 : 1500

(m)

-20 0 20 40 60

NAD83 / UTM zone 10N

AZIMUTH = 0°

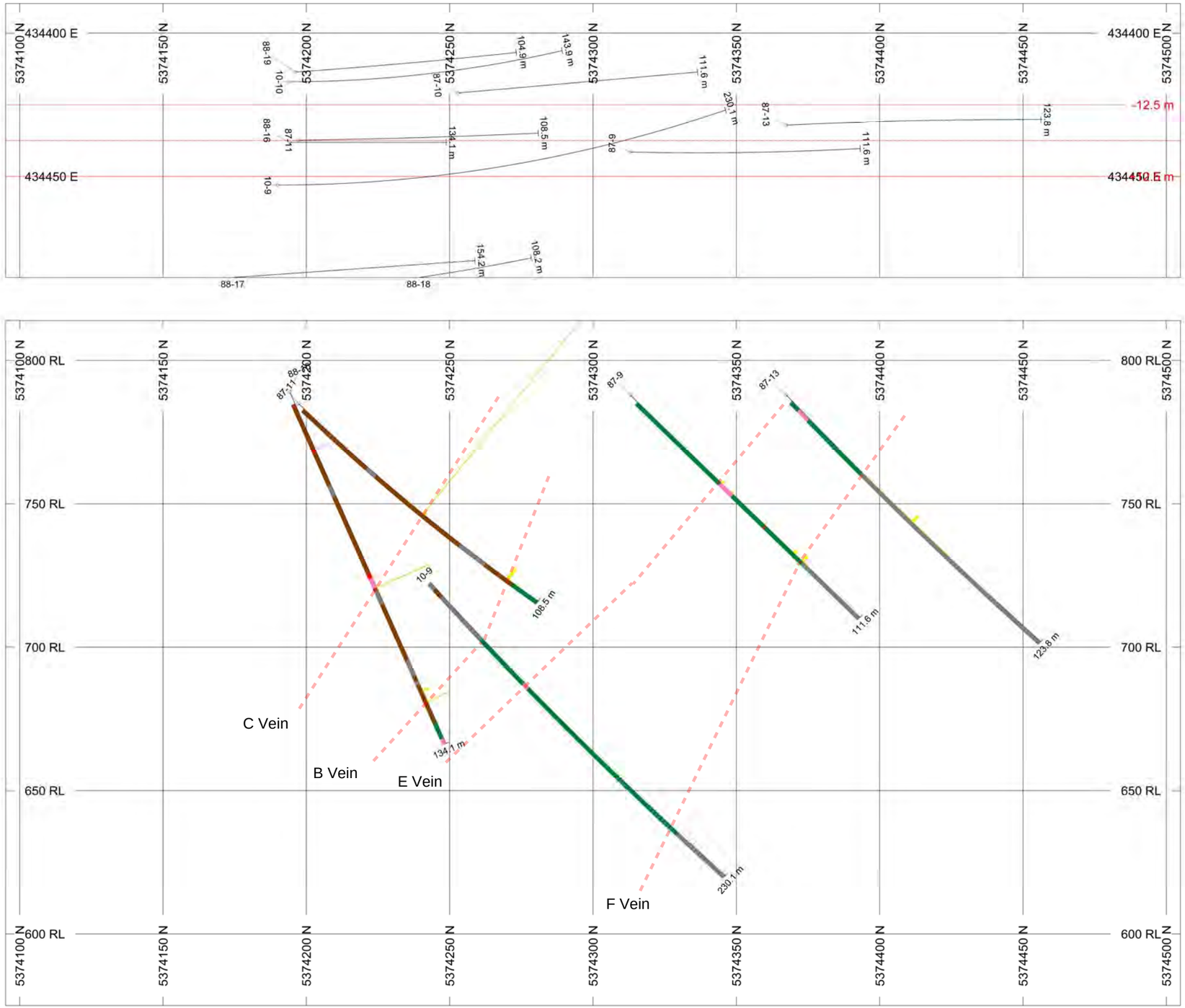
N W E S

Mill Bay Ventures Inc.

Valentine Mountain Property

Discovery Zone

Section 434462.5 East



HOLES PLOTTED

TOTAL 5

10-9 87-11 87-13 87-9 88-16

BAR GRAPHS	L/R	COL
Au	R	
As	R	

ROCK CODES	PAT	LABEL
Rock_Code		metapelite
		metasandstone
		amphibolite
		quartz diorite
		quartz vein

SECTION SPECS:

REF. PT. E, N	434438 m	5374300 m
EXTENTS	409.8 m	238.8 m
SECTION TOP, BOT	813.9 m	575.1 m
TOLERANCE +/-	12.5 m	

Figure 17

SCALE 1 : 1500

(m)

-20 0 20 40 60

NAD83 / UTM zone 10N

AZIMUTH = 0°

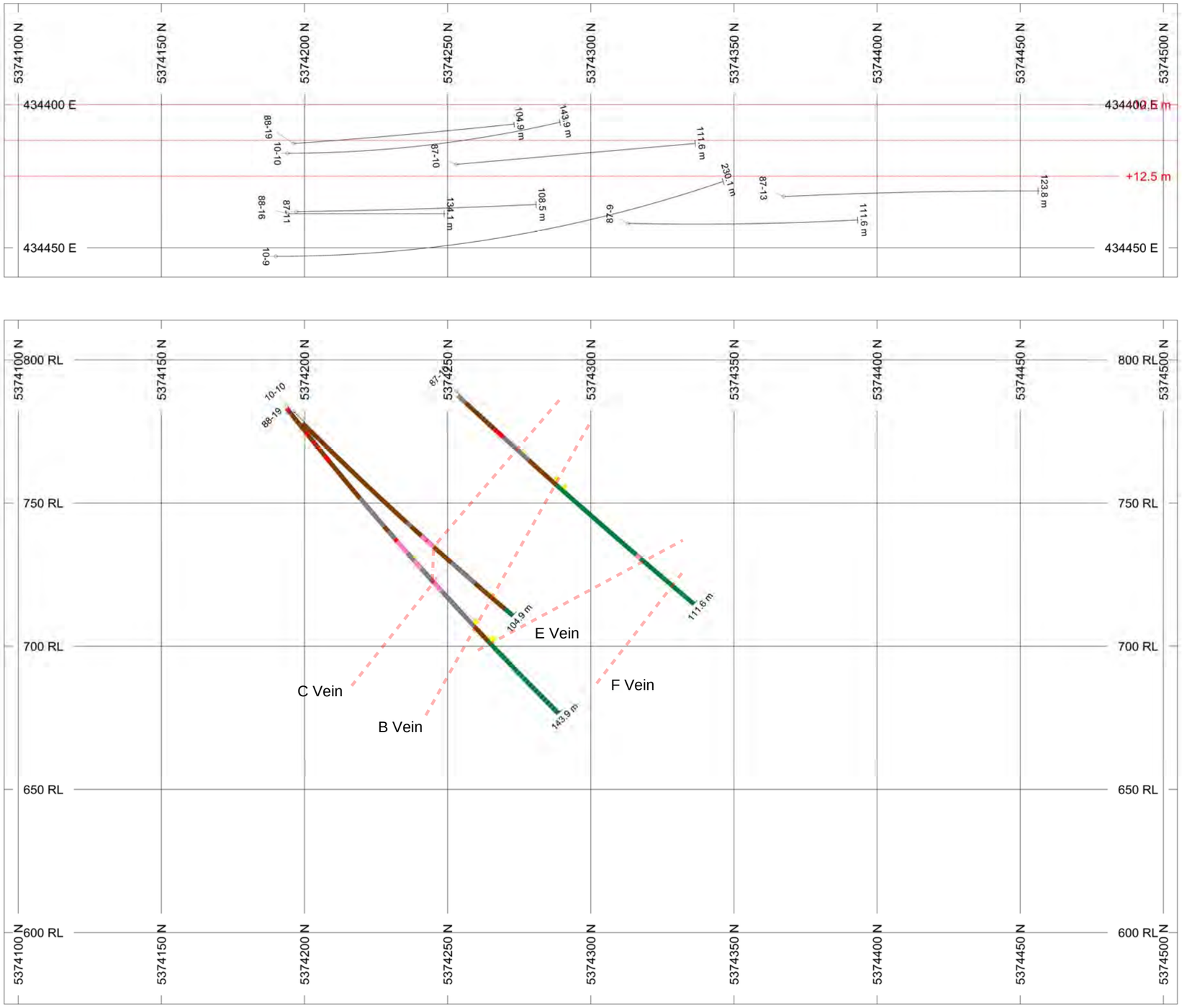
N W E S

Mill Bay Ventures Inc.

Valentine Mountain Property

Discovery Zone

Section 434437.5 East



HOLES PLOTTED

TOTAL 3

10-10 87-10 88-19

BAR GRAPHS	L/R	COL
Au	R	
As	R	

ROCK CODES	PAT	LABEL
Rock_Code		metapelite
		metasandstone
		amphibolite
		quartz diorite
		quartz vein

SECTION SPECS:

REF. PT. E, N	434413 m	5374300 m
EXTENTS	409.8 m	238.8 m
SECTION TOP, BOT	813.9 m	575.1 m
TOLERANCE +/-	12.5 m	

Figure 18

SCALE 1 : 1500

(m)

-20 0 20 40 60

NAD83 / UTM zone 10N

AZIMUTH = 0°

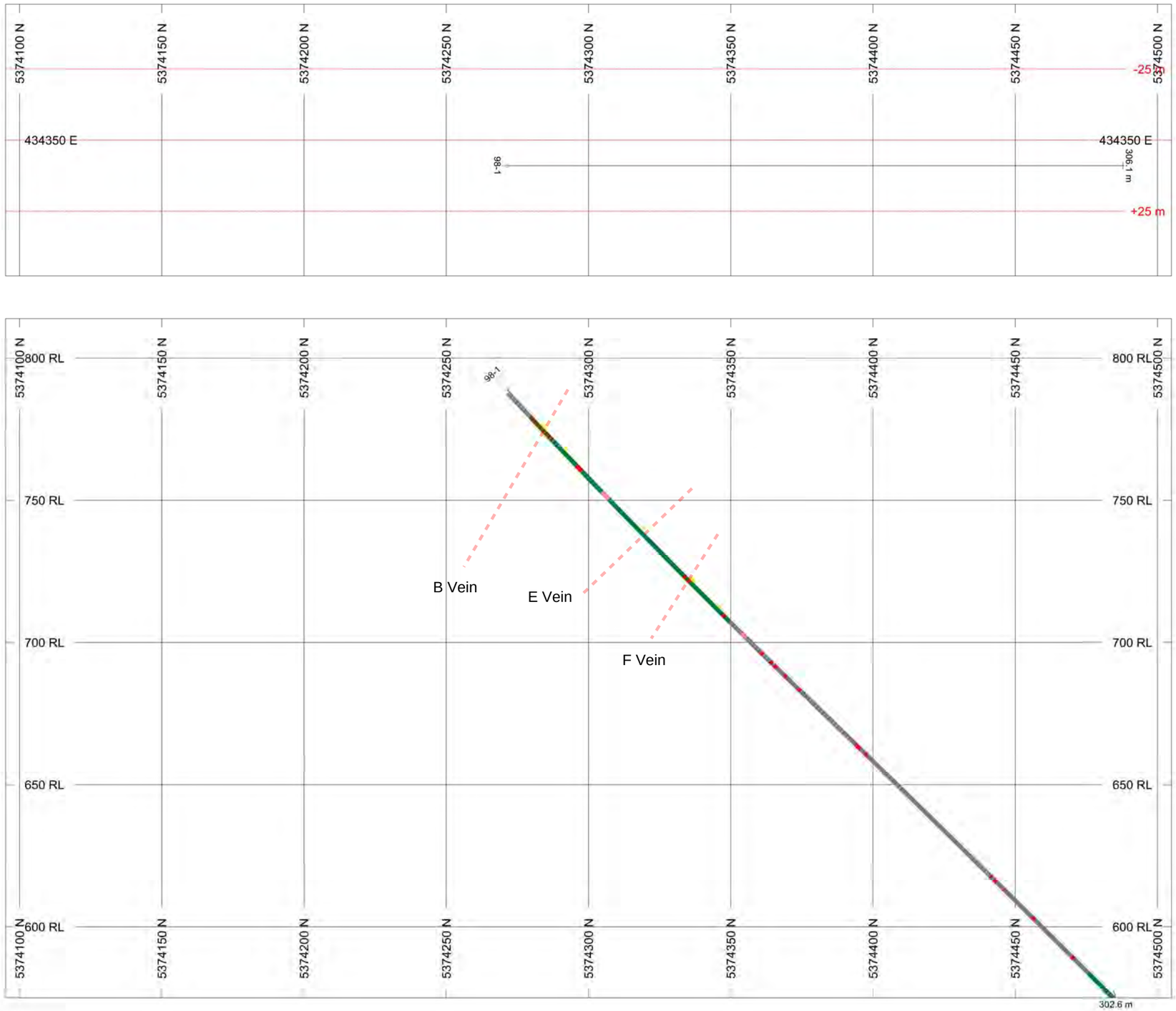
N W E S

Mill Bay Ventures Inc.

Valentine Mountain Property

Discovery Zone

Section 434412.5 East



HOLES PLOTTED

TOTAL 1

98-1

BAR GRAPHS	L/R	COL
Au	R	
As	R	

ROCK CODES	PAT	LABEL
Rock_Code		metapelite
		metasandstone
		amphibolite
		quartz diorite
		quartz vein

SECTION SPECS:

REF. PT. E, N	434350 m	5374300 m
EXTENTS	409.8 m	238.8 m
SECTION TOP, BOT	813.9 m	575.1 m
TOLERANCE +/-	25 m	

Figure 19

SCALE 1 : 1500

(m)

-20 0 20 40 60

NAD83 / UTM zone 10N

AZIMUTH = 0°

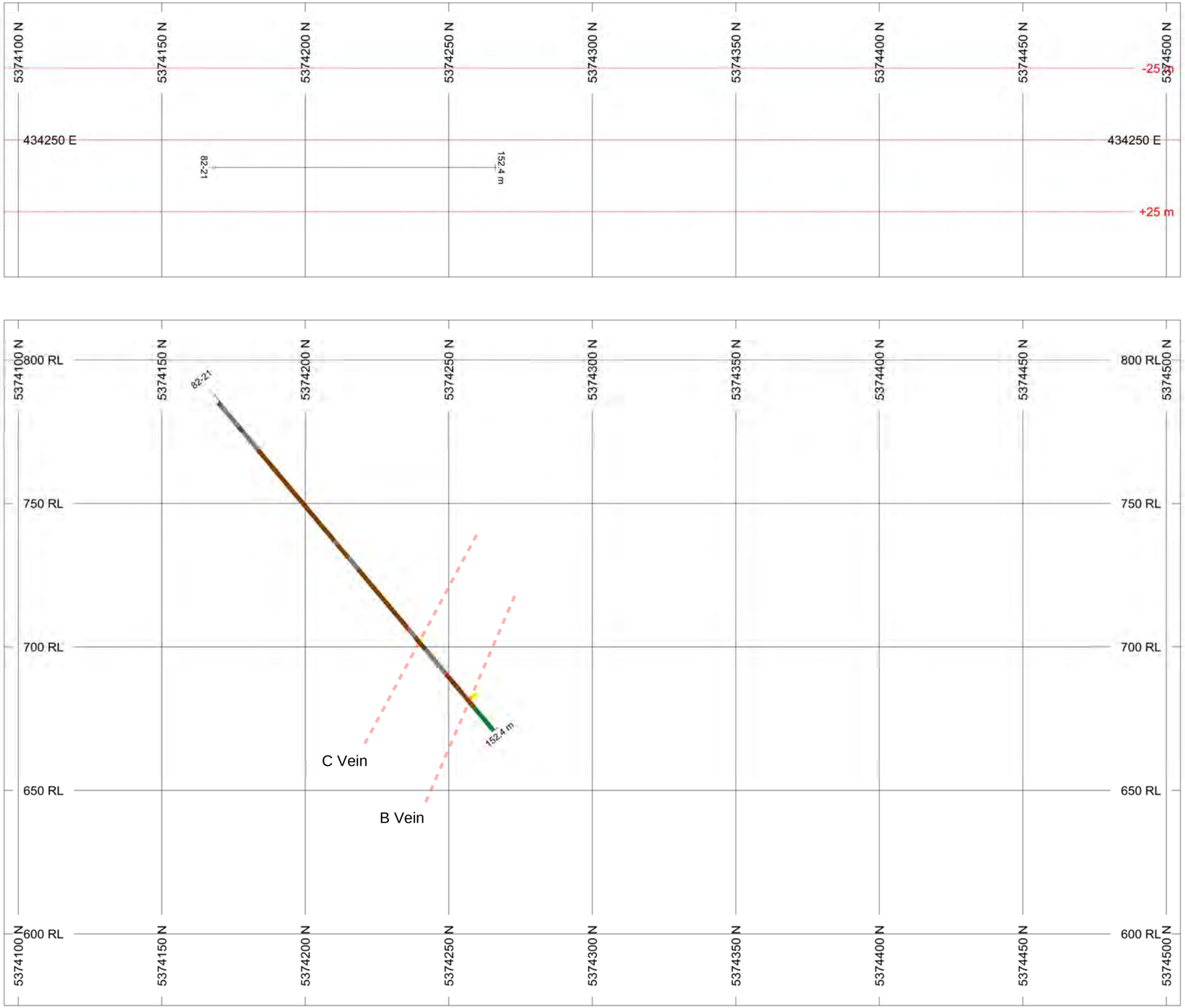
N W E S

Mill Bay Ventures Inc.

Valentine Mountain Property

Discovery Zone

Section 434350 East



HOLES PLOTTED

TOTAL 1

82-21

BAR GRAPHS	L/R	COL
Au	R	
As	R	

ROCK CODES Rock_Code	PAT	LABEL
		metapelite
		metasandstone
		amphibolite
		quartz vein

SECTION SPECS:

REF. PT. E, N	434250 m	5374300 m
EXTENTS	409.8 m	238.8 m
SECTION TOP, BOT	813.9 m	575.1 m
TOLERANCE +/-	25 m	

Figure 20

SCALE 1 : 1500

(m)

-20 0 20 40 60

NAD83 / UTM zone 10N

AZIMUTH = 0°

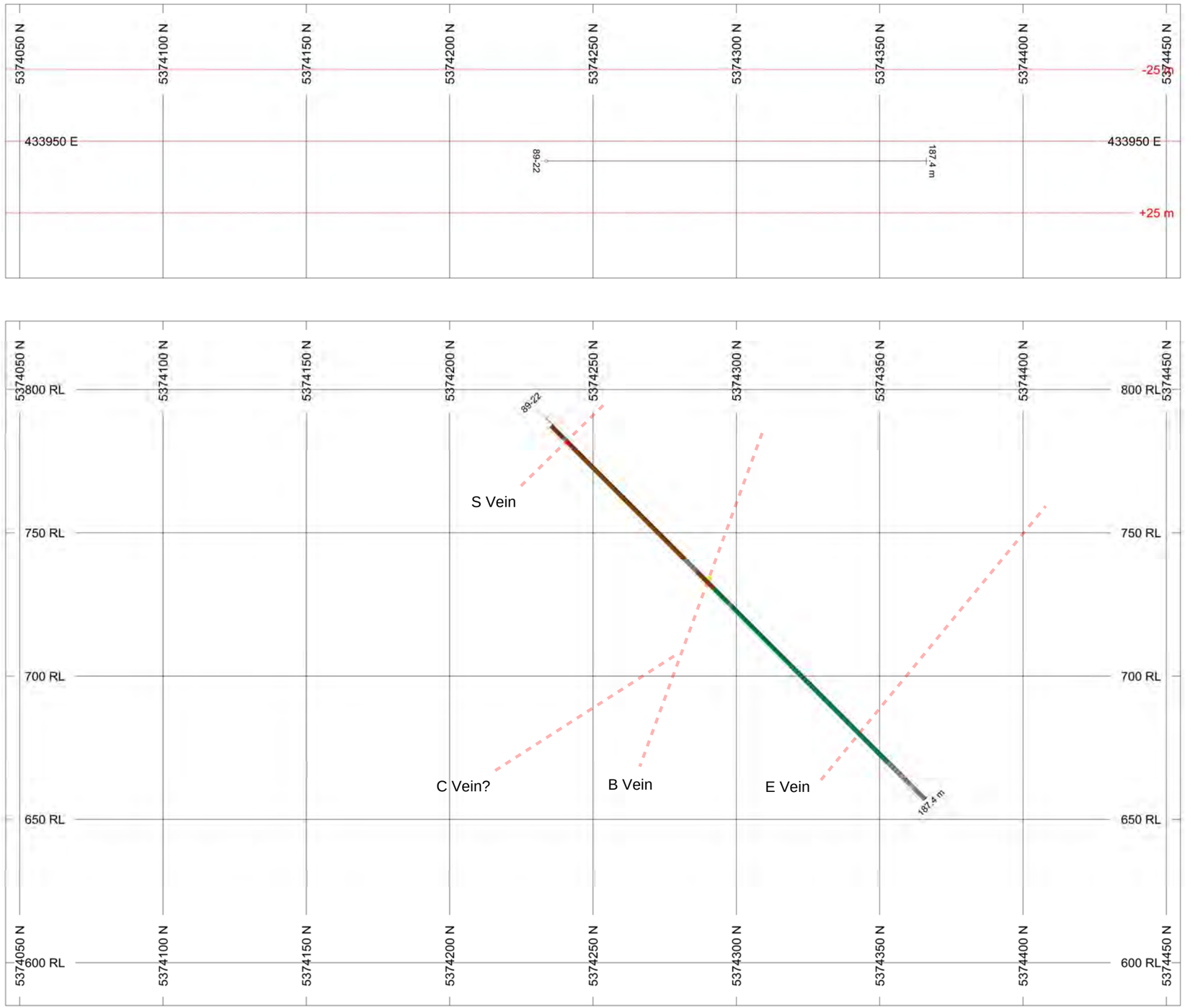
N W E S

Mill Bay Ventures Inc.

Valentine Mountain Property

Discovery Zone

Section 434250 East



HOLES PLOTTED

TOTAL 1

89-22

BAR GRAPHS	L/R	COL
Au	R	
As	R	

ROCK CODES	PAT	LABEL
Rock_Code		metapelite
		metasandstone
		amphibolite
		quartz diorite
		quartz vein

SECTION SPECS:

REF. PT. E, N	433950 m	5374250 m
EXTENTS	409.8 m	238.8 m
SECTION TOP, BOT	823.9 m	585.1 m
TOLERANCE +/-	25 m	

Figure 21

SCALE 1 : 1500

(m)

-20 0 20 40 60

NAD83 / UTM zone 10N

AZIMUTH = 0°

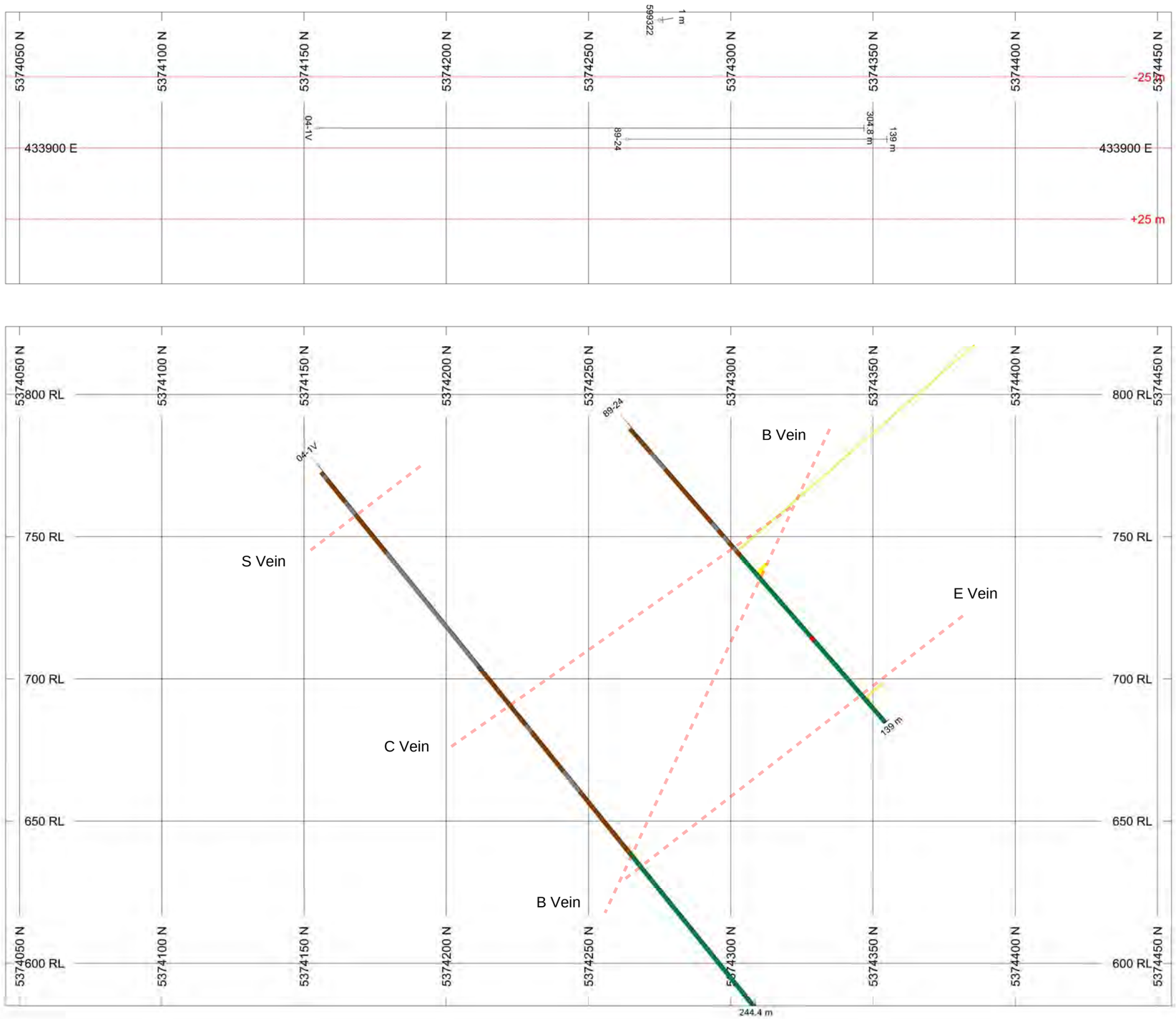
N W E S

Mill Bay Ventures Inc.

Valentine Mountain Property

Discovery West Zone

Section 433950E



HOLES PLOTTED

TOTAL 2

04-1V 89-24

BAR GRAPHS	L/R	COL
Au	R	
As	R	

ROCK CODES Rock_Code	PAT	LABEL
		metapelite
		metasandstone
		amphibolite
		quartz vein

SECTION SPECS:

REF. PT. E, N	433900 m	5374250 m
EXTENTS	409.8 m	238.8 m
SECTION TOP, BOT	823.9 m	585.1 m
TOLERANCE +/-	25 m	

Figure 22

SCALE 1 : 1500

(m)

-20 0 20 40 60

NAD83 / UTM zone 10N

AZIMUTH = 0°

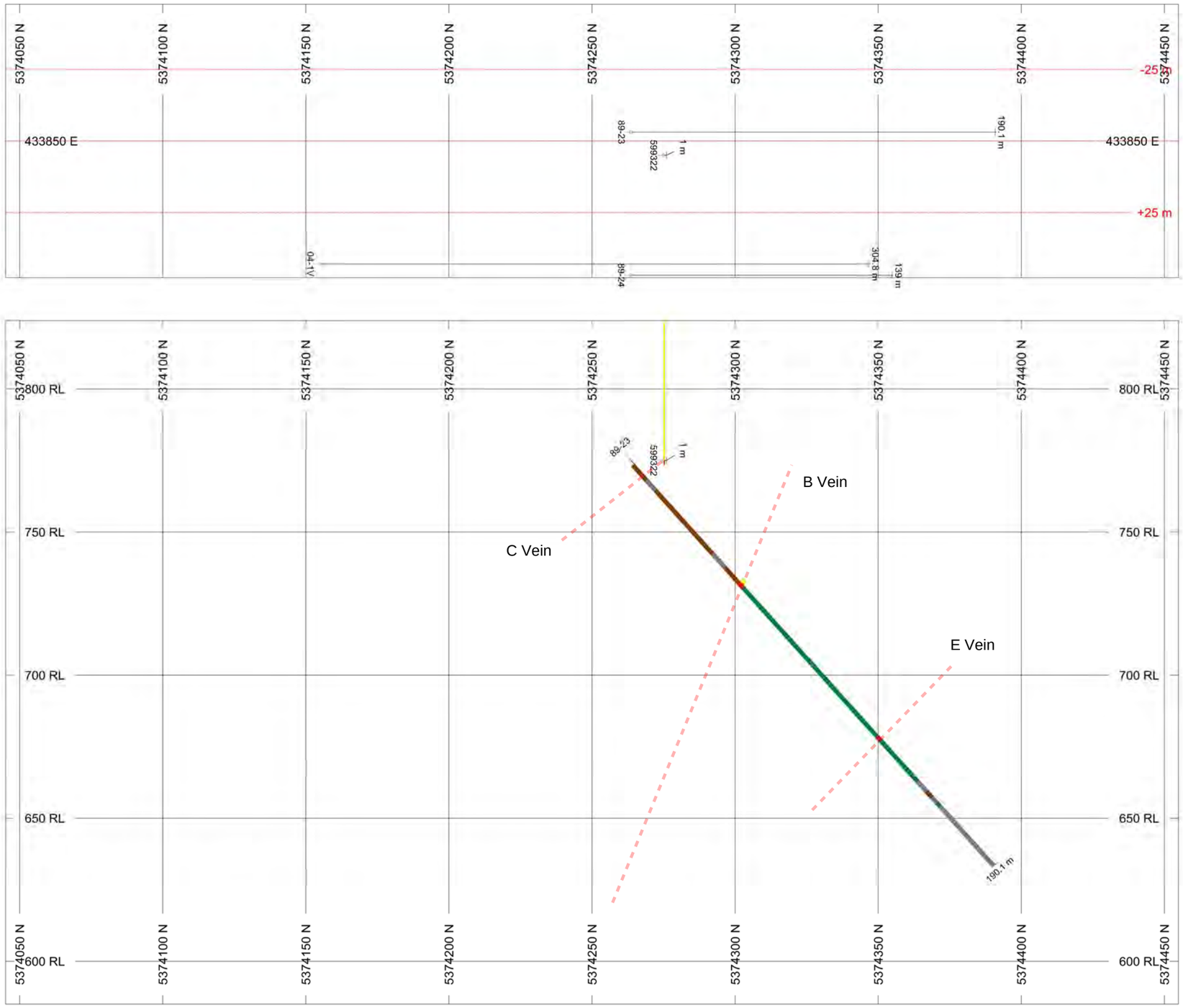
N W E S

Mill Bay Ventures Inc.

Valentine Mountain Property

Discovery West Zone

Section 433900E



HOLES PLOTTED

TOTAL 2

599322 89-23

BAR GRAPHS	L/R	COL
Au	R	
As	R	

ROCK CODES	PAT	LABEL
Rock_Code		metapelite
		metasandstone
		amphibolite
		quartz vein

SECTION SPECS:

REF. PT. E, N	433850 m	5374250 m
EXTENTS	409.8 m	238.8 m
SECTION TOP, BOT	823.9 m	585.1 m
TOLERANCE +/-	25 m	

Figure 23

SCALE 1 : 1500

(m)

-20 0 20 40 60

NAD83 / UTM zone 10N

AZIMUTH = 0°

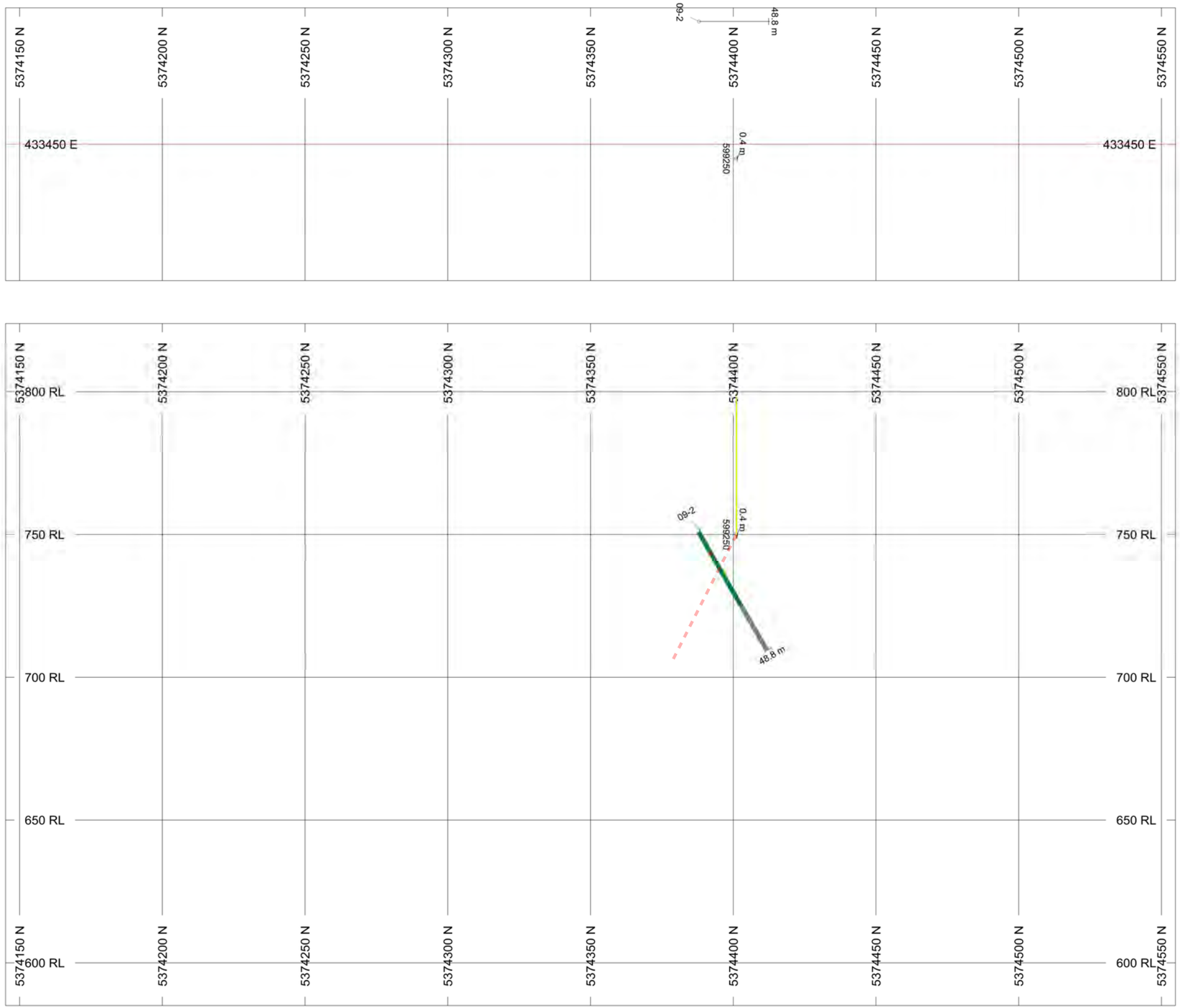
N W E S

Mill Bay Ventures Inc.

Valentine Mountain Property

Discovery West Zone

Section 433850E



HOLES PLOTTED

TOTAL 2

09-2	599250

BAR GRAPHS	L/R	COL
Au	R	
As	R	

ROCK CODES	PAT	LABEL
Rock_Code		metapelite
		amphibolite
		quartz vein

SECTION SPECS:

REF. PT. E, N	433450 m	5374350 m
EXTENTS	409.8 m	238.8 m
SECTION TOP, BOT	823.9 m	585.1 m
TOLERANCE +/-	50 m	

Figure 24

SCALE 1 : 1500

(m)

-20 0 20 40 60

NAD83 / UTM zone 10N

AZIMUTH = 0°

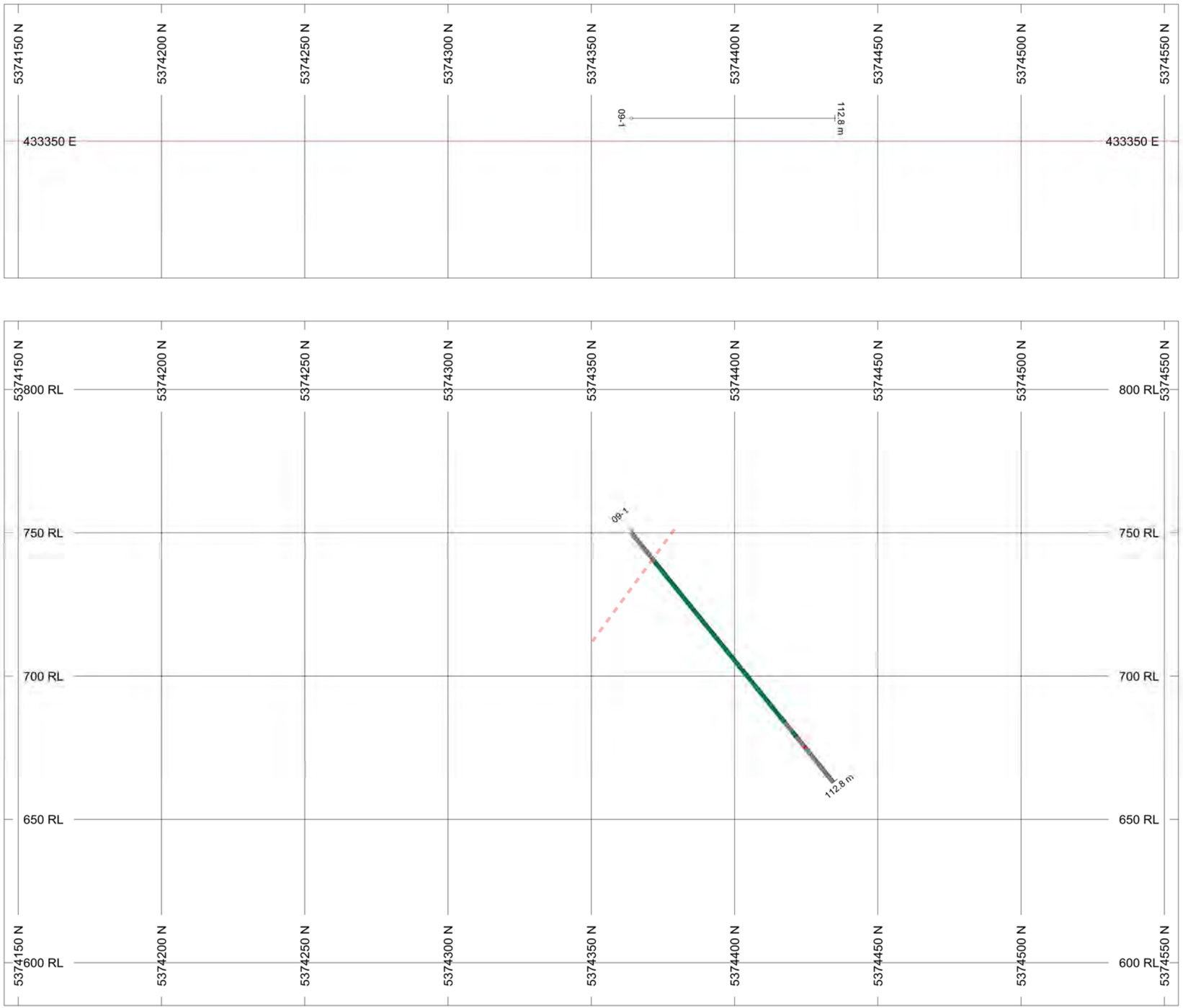
N W E S

Mill Bay Ventures Inc.

Valentine Mountain Property

Log Dam Zone

Section 433450E



HOLES PLOTTED

TOTAL 1

09-1

BAR GRAPHS	L/R	COL
Au	R	
As	R	

ROCK CODES	PAT	LABEL
Rock_Code		metapelite
		amphibolite
		quartz vein

SECTION SPECS:

REF. PT. E, N	433350 m	5374350 m
EXTENTS	409.8 m	238.8 m
SECTION TOP, BOT	823.9 m	585.1 m
TOLERANCE +/-	50 m	

Figure 25

SCALE 1 : 1500

(m)

-20 0 20 40 60

NAD83 / UTM zone 10N

AZIMUTH = 0°

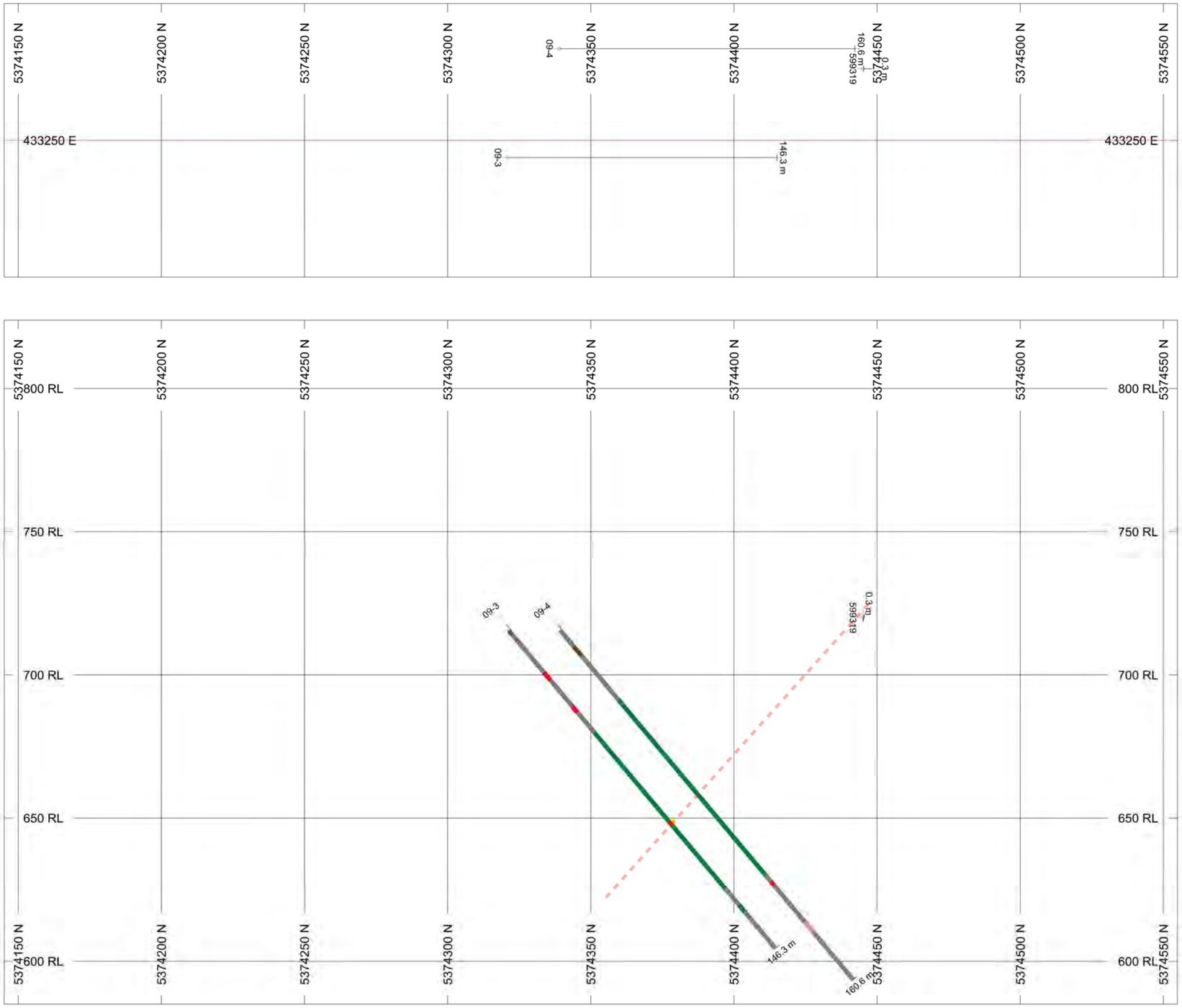
N W E S

Mill Bay Ventures Inc.

Valentine Mountain Property

Log Dam Zone

Section 433350E



HOLES PLOTTED

TOTAL 3

09-3	09-4	599319

BAR GRAPHS	L/R	COL
Au	R	
As	R	

ROCK CODES	PAT	LABEL
Rock_Code		metapelite
		metasandstone
		amphibolite
		quartz diorite
		quartz vein

SECTION SPECS:

REF. PT. E, N	433250 m	5374350 m
EXTENTS	409.8 m	238.8 m
SECTION TOP, BOT	823.9 m	585.1 m
TOLERANCE +/-	50 m	

Figure 26

SCALE 1 : 1500

(m)

-20 0 20 40 60

NAD83 / UTM zone 10N

AZIMUTH = 0°

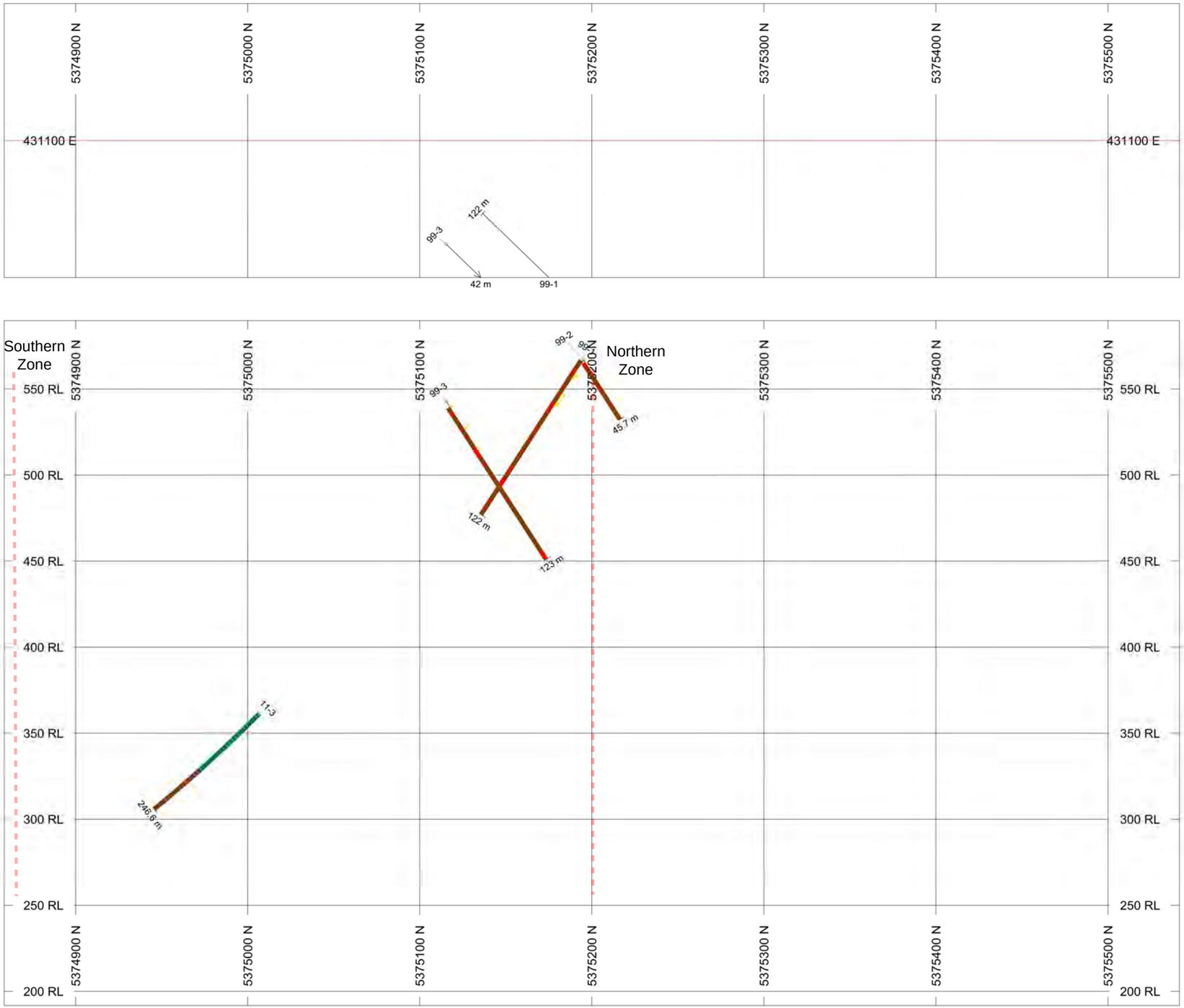
N W E S

Mill Bay Ventures Inc.

Valentine Mountain Property

Log Dam Zone

Section 433250E



HOLES PLOTTED

TOTAL 4

11-3 99-1 99-2 99-3

BAR GRAPHS	L/R	COL
Au	R	
As	R	

ROCK CODES	PAT	LABEL
Rock_Code		metasandstone
		amphibolite
		quartz vein

SECTION SPECS:

REF. PT. E, N	431100 m	5375200 m
EXTENTS	683 m	398 m
SECTION TOP, BOT	589.8 m	191.8 m
TOLERANCE +/-	150 m	

Figure 27

SCALE 1 : 2500

(m)

-20 0 20 40 60 80 100 120

NAD83 / UTM zone 10N

AZIMUTH = 0°

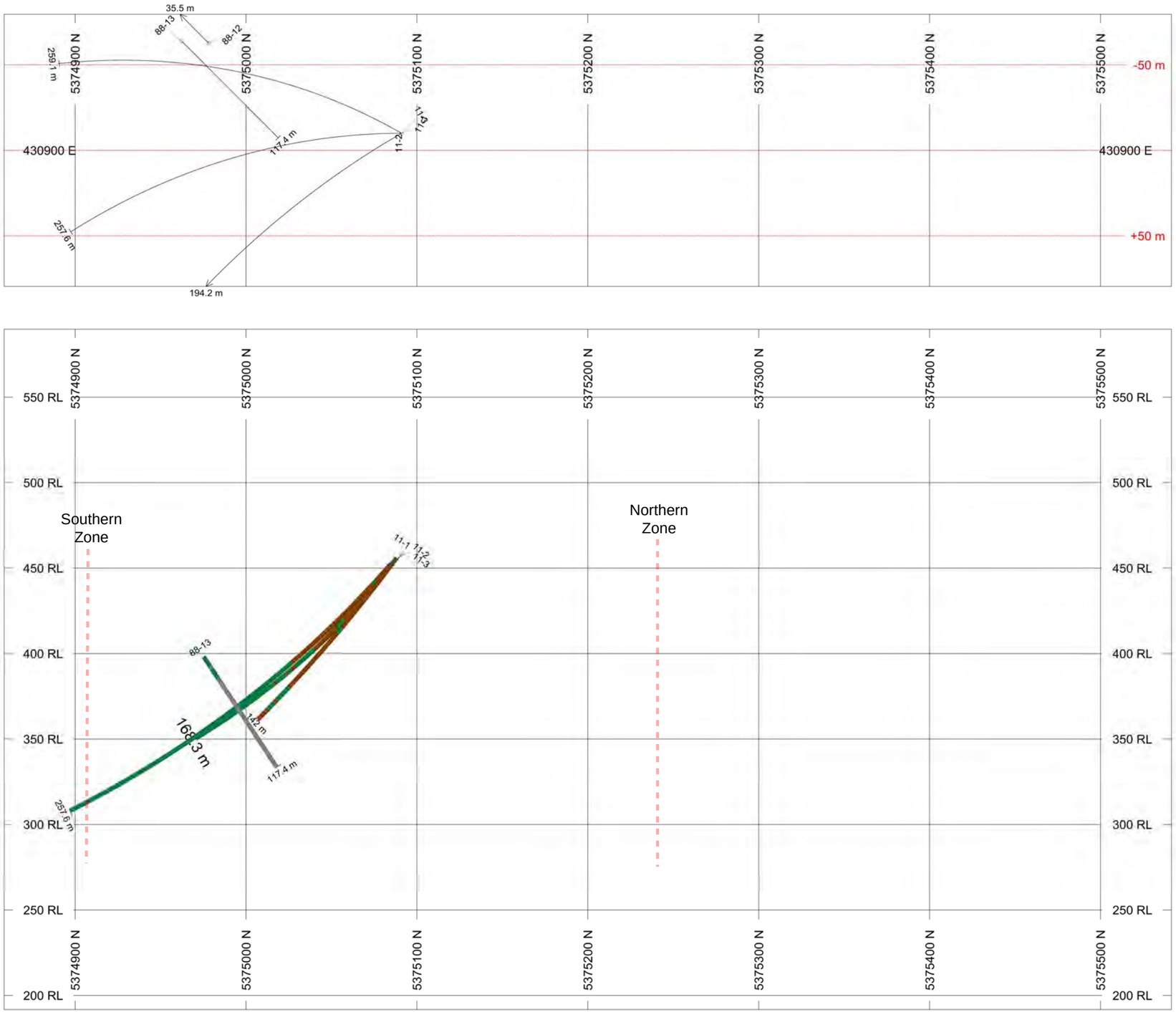
N W E S

Mill Bay Ventures Inc.

Valentine Mountain Property

Braiteach/BN Zone

Section 431100 East



HOLES PLOTTED

TOTAL 4

11-1 11-2 11-3 88-13

BAR GRAPHS	L/R	COL
Au	R	
As	R	

ROCK CODES	PAT	LABEL
Rock_Code		metapelite
		metasandstone
		amphibolite
		quartz vein

SECTION SPECS:

REF. PT. E, N	430900 m	5375200 m
EXTENTS	683 m	398 m
SECTION TOP, BOT	589.8 m	191.8 m
TOLERANCE +/-	50 m	

Figure 28

SCALE 1 : 2500

(m)

-20 0 20 40 60 80 100 120

NAD83 / UTM zone 10N

AZIMUTH = 0°

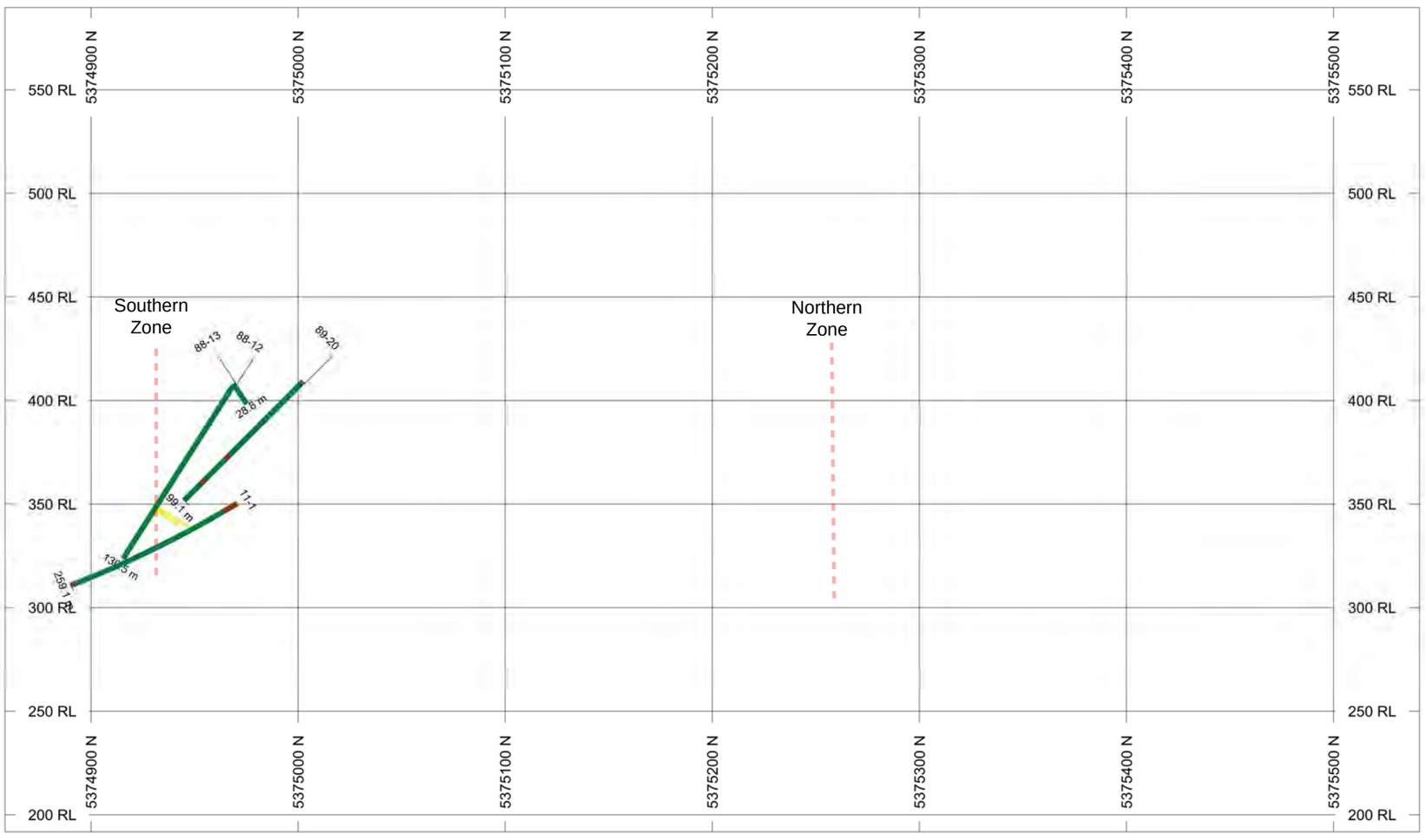
N W E S

Mill Bay Ventures Inc.

Valentine Mountain Property

Braiteach/BN Zone

Section 430900 East



HOLES PLOTTED

TOTAL 4

11-1 88-12 88-13 89-20

BAR GRAPHS	L/R	COL
Au	R	
As	R	

ROCK CODES	PAT	LABEL
Rock_Code		metapelite
		metasandstone
		amphibolite
		quartz vein

SECTION SPECS:

REF. PT. E, N	430800 m	5375200 m
EXTENTS	683 m	398 m
SECTION TOP, BOT	589.8 m	191.8 m
TOLERANCE +/-	50 m	

Figure 29

SCALE 1 : 2500

(m)

-20 0 20 40 60 80 100 120

NAD83 / UTM zone 10N

AZIMUTH = 0°

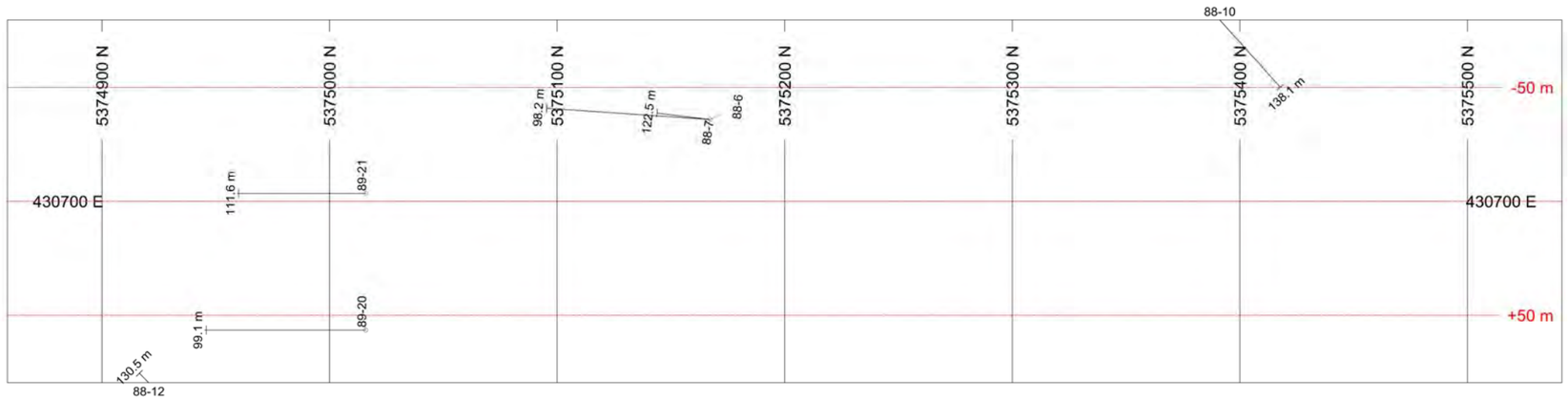
N W E S

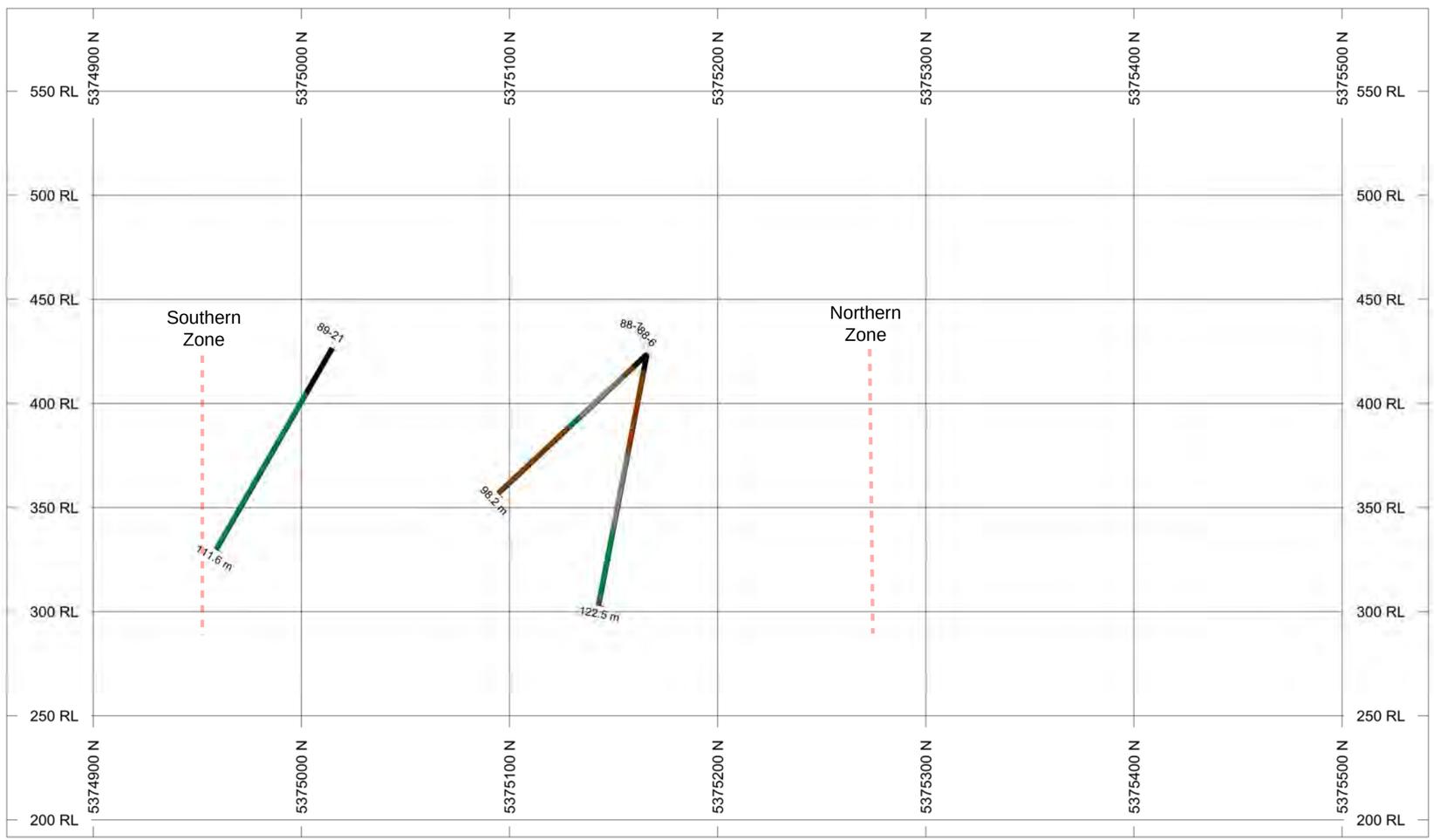
Mill Bay Ventures Inc.

Valentine Mountain Property

Braiteach/BN Zone

Section 430800 East





HOLES PLOTTED

TOTAL 3

88-6 88-7 89-21

BAR GRAPHS	L/R	COL
Au	R	
As	R	

ROCK CODES	PAT	LABEL
Rock_Code		overburden
		metapelite
		metasandstone
		amphibolite
		quartz vein

SECTION SPECS:

REF. PT. E, N	430700 m	5375200 m
EXTENTS	683 m	398 m
SECTION TOP, BOT	589.8 m	191.8 m
TOLERANCE +/-	50 m	

Figure 30

SCALE 1 : 2500

(m)

-20 0 20 40 60 80 100 120

NAD83 / UTM zone 10N

AZIMUTH = 0°

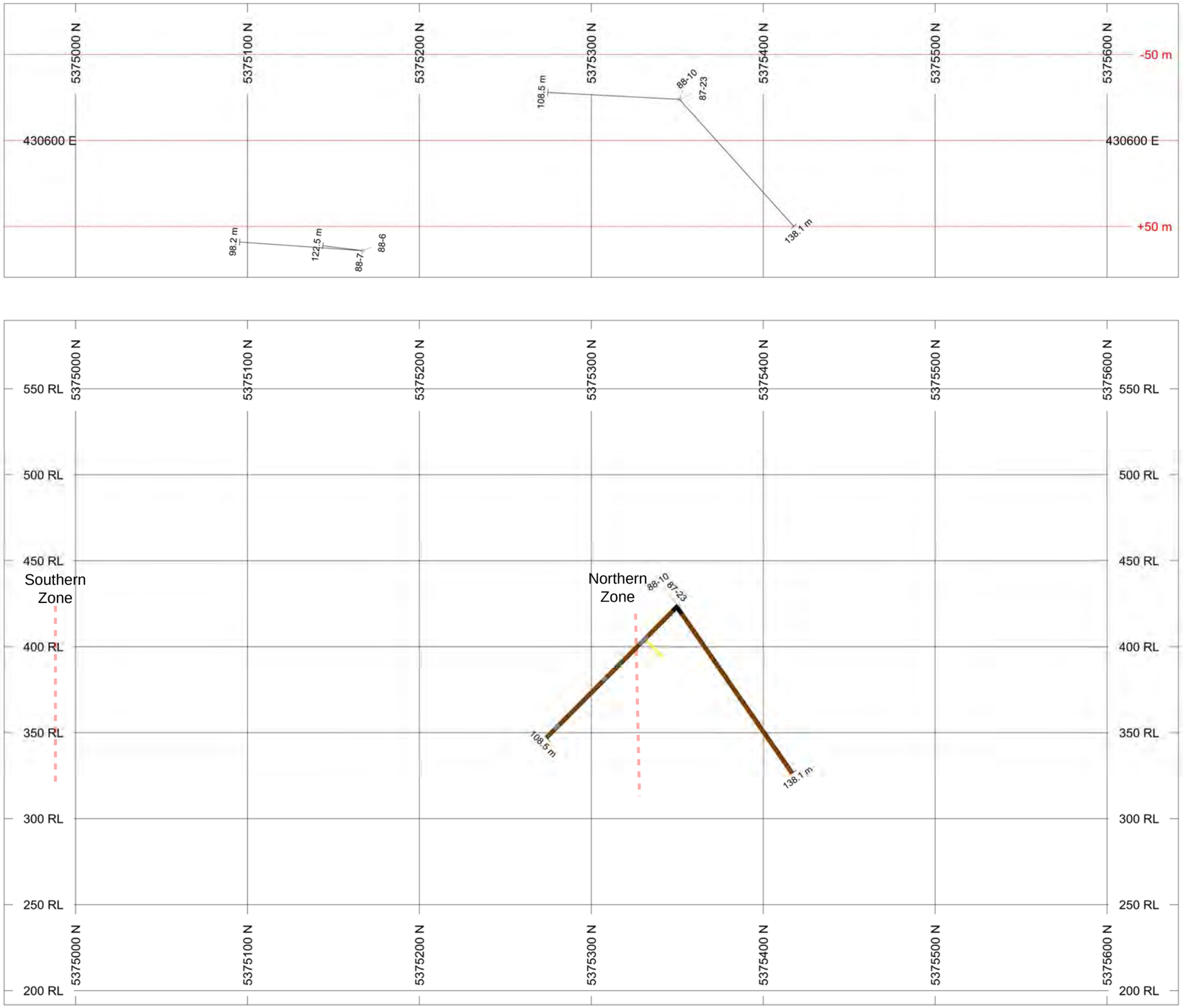
N W E S

Mill Bay Ventures Inc.

Valentine Mountain Property

Braiteach/BN Zone

Section 430700 East



HOLES PLOTTED

TOTAL 2

87-23 88-10

BAR GRAPHS	L/R	COL
Au	R	
As	R	

ROCK CODES	PAT	LABEL
Rock_Code		overburden
		metapelite
		metasandstone

SECTION SPECS:

REF. PT. E, N	430600 m	5375300 m
EXTENTS	683 m	398 m
SECTION TOP, BOT	589.8 m	191.8 m
TOLERANCE +/-	50 m	

Figure 31

SCALE 1 : 2500

(m)

-20 0 20 40 60 80 100 120

NAD83 / UTM zone 10N

AZIMUTH = 0°

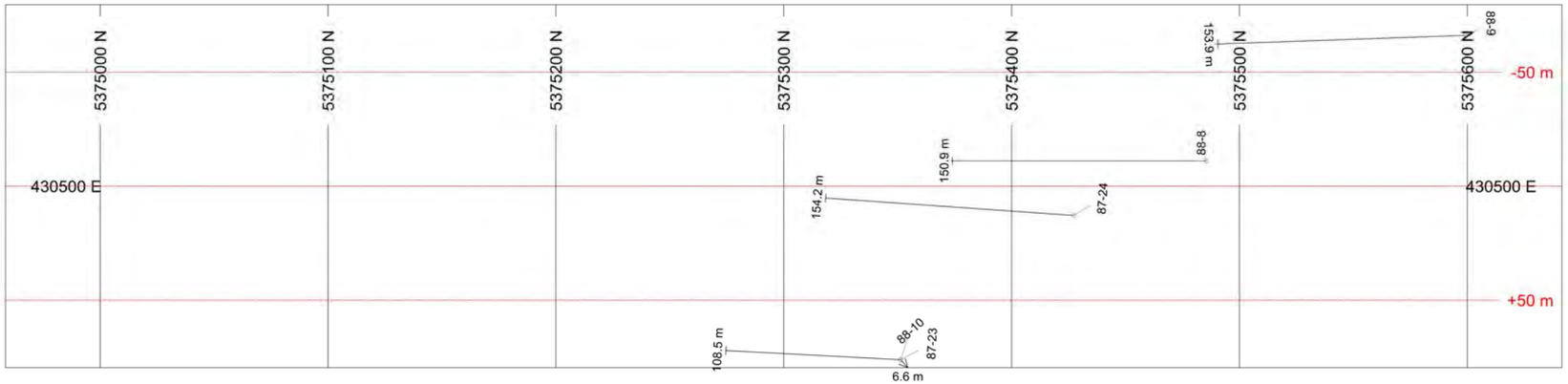
N W E S

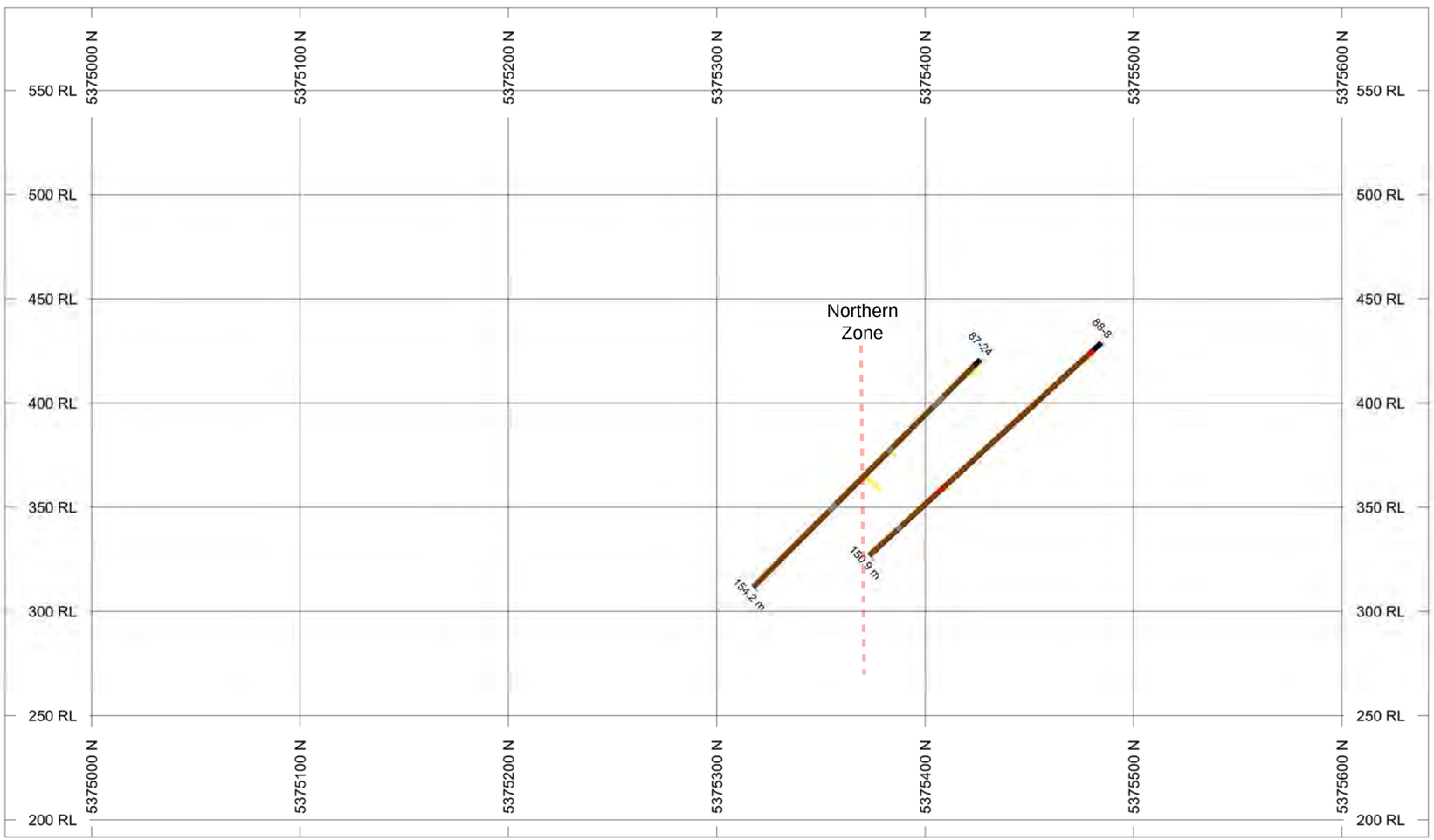
Mill Bay Ventures Inc.

Valentine Mountain Property

Braiteach/BN Zone

Section 430600 East





HOLES PLOTTED

TOTAL 2

87-24 88-8

BAR GRAPHS	L/R	COL
Au	R	
As	R	

ROCK CODES	PAT	LABEL
Rock_Code		overburden
		metapelite
		metasandstone
		quartz vein

SECTION SPECS:

REF. PT. E, N	430500 m	5375300 m
EXTENTS	683 m	398 m
SECTION TOP, BOT	589.8 m	191.8 m
TOLERANCE +/-	50 m	

Figure 32

SCALE 1 : 2500

(m)

-20 0 20 40 60 80 100 120

NAD83 / UTM zone 10N

AZIMUTH = 0°

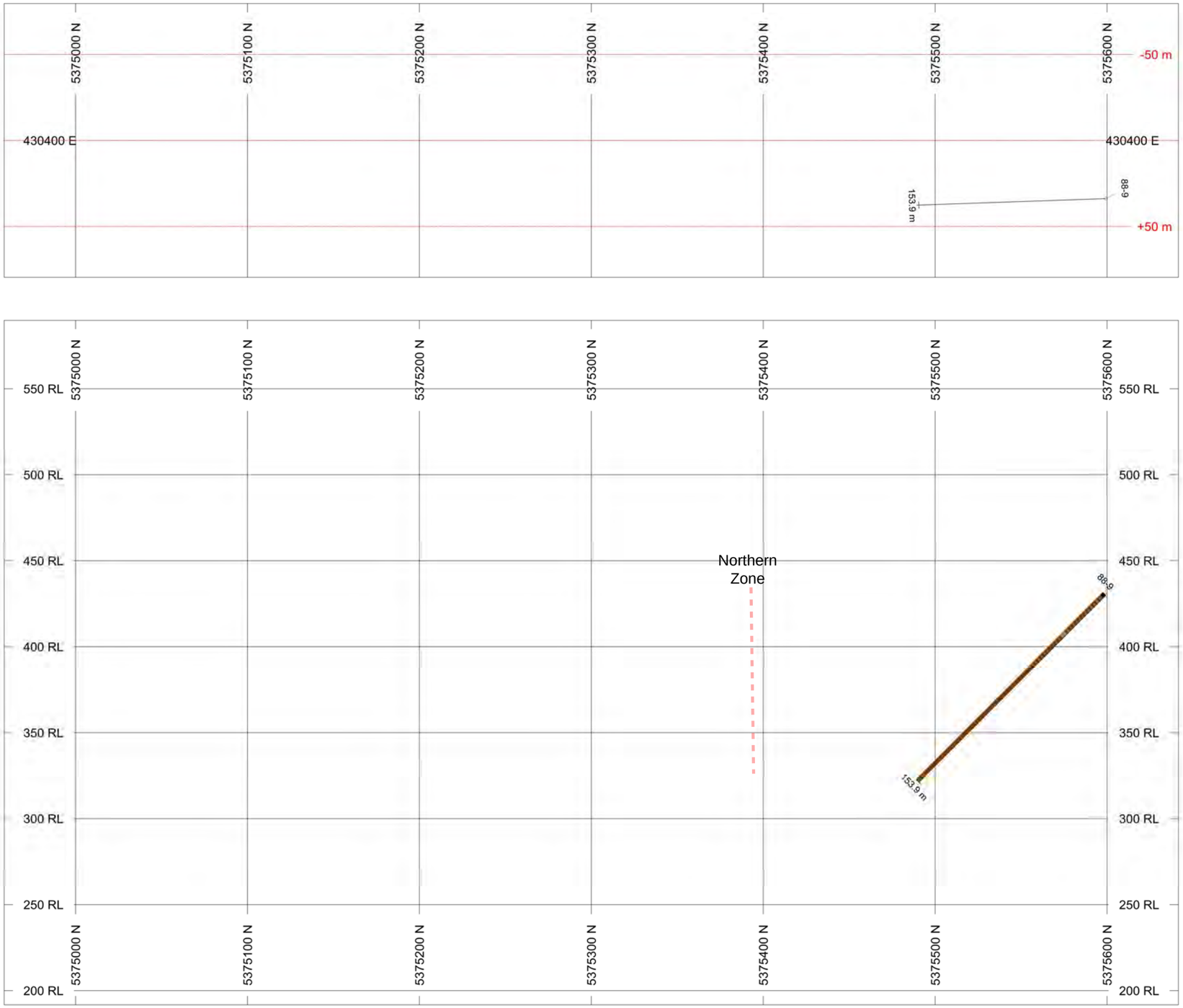
N W E S

Mill Bay Ventures Inc.

Valentine Mountain Property

Braiteach/BN Zone

Section 430500 East



HOLES PLOTTED

TOTAL 1

88-9

BAR GRAPHS	L/R	COL
Au	R	
As	R	

ROCK CODES	PAT	LABEL
Rock_Code		overburden
		metapelite
		metasandstone

SECTION SPECS:

REF. PT. E, N	430400 m	5375300 m
EXTENTS	683 m	398 m
SECTION TOP, BOT	589.8 m	191.8 m
TOLERANCE +/-	50 m	

Figure 33

SCALE 1 : 2500

(m)

-20 0 20 40 60 80 100 120

NAD83 / UTM zone 10N

AZIMUTH = 0°

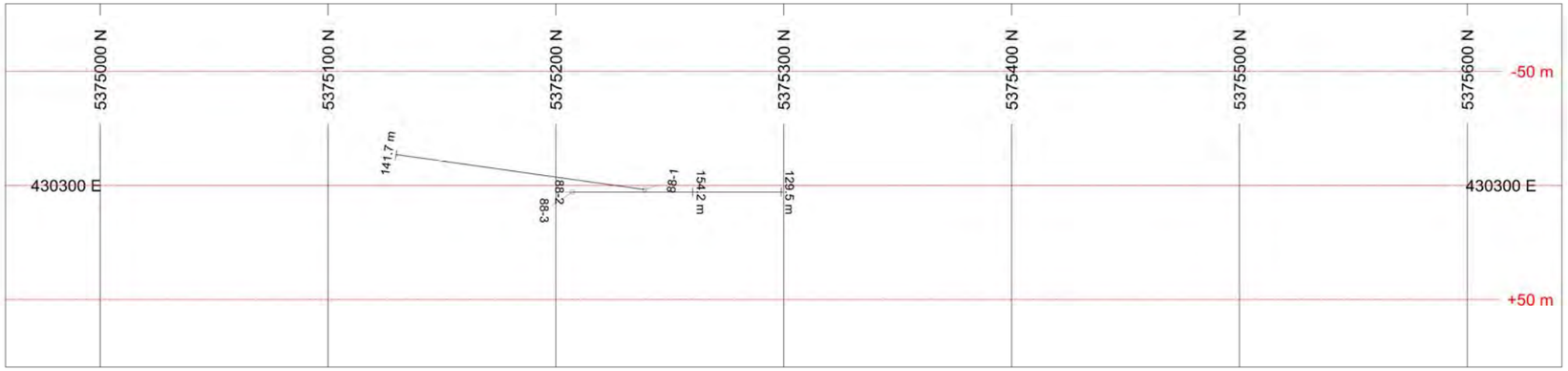
N W E S

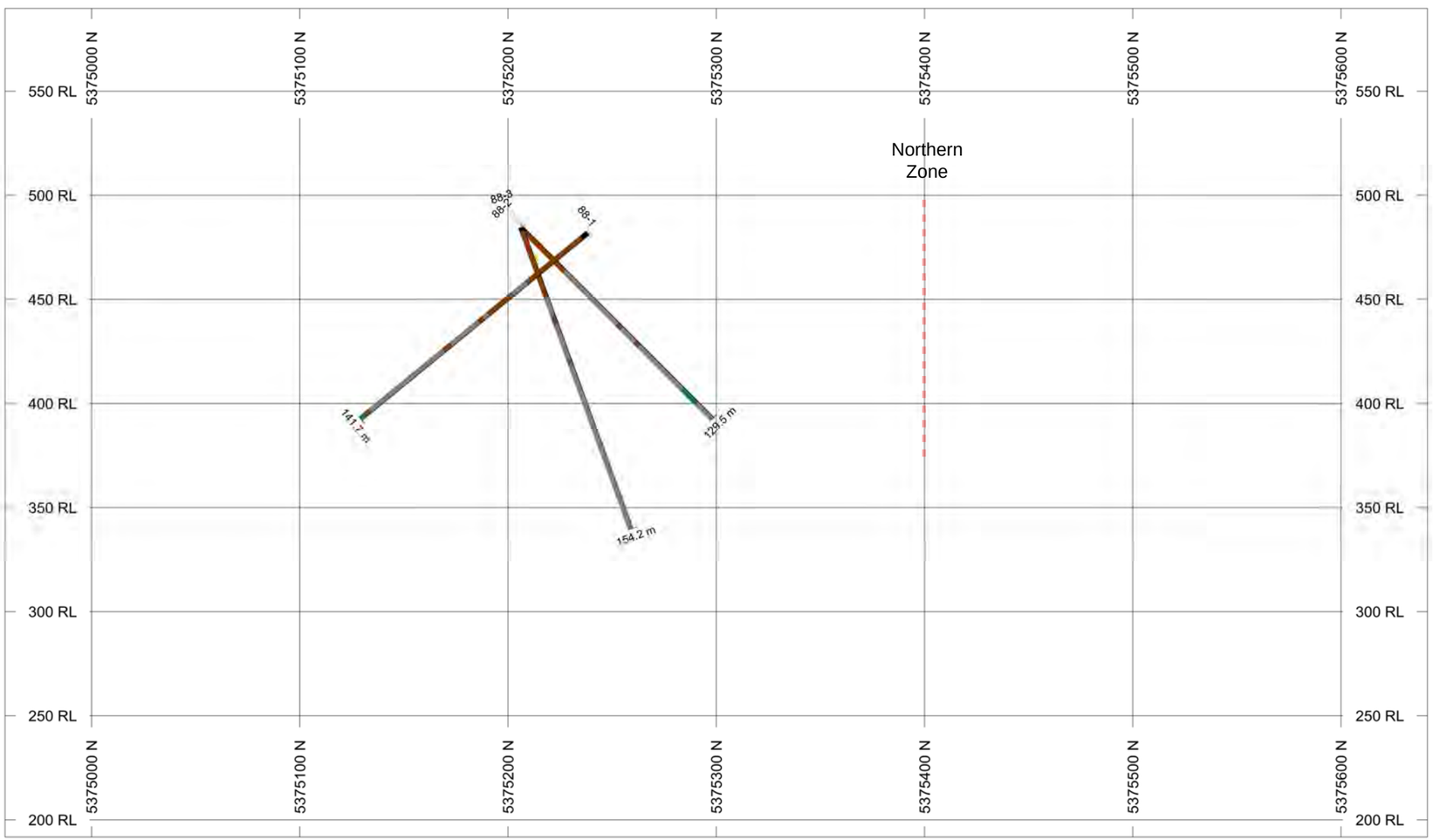
Mill Bay Ventures Inc.

Valentine Mountain Property

Braiteach/BN Zone

Section 430400 East





HOLES PLOTTED

TOTAL 3

88-1 88-2 88-3

BAR GRAPHS	L/R	COL
Au	R	
As	R	

ROCK CODES	PAT	LABEL
Rock_Code		overburden
		metapelite
		metasandstone
		amphibolite
		quartz vein

SECTION SPECS:

REF. PT. E, N	430300 m	5375300 m
EXTENTS	683 m	398 m
SECTION TOP, BOT	589.8 m	191.8 m
TOLERANCE +/-	50 m	

Figure 34

SCALE 1 : 2500

(m)

-20 0 20 40 60 80 100 120

NAD83 / UTM zone 10N

AZIMUTH = 0°

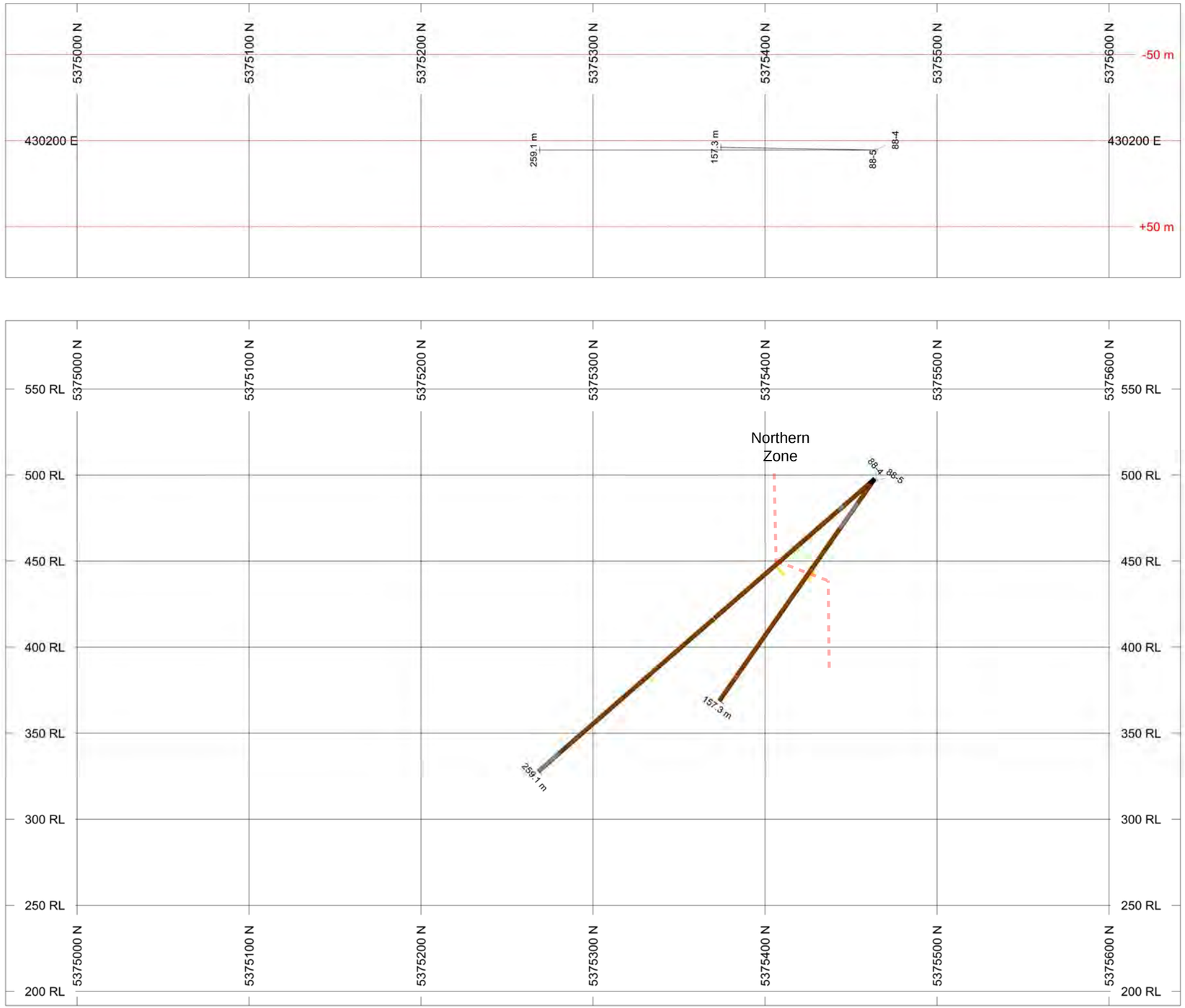
N W E S

Mill Bay Ventures Inc.

Valentine Mountain Property

Braiteach/BN Zone

Section 430300 East



HOLES PLOTTED

TOTAL 2

88-4 88-5

BAR GRAPHS	L/R	COL
Au	R	
As	R	

ROCK CODES	PAT	LABEL
Rock_Code		overburden
		metapelite
		metasandstone
		quartz diorite
		quartz vein

SECTION SPECS:

REF. PT. E, N	430200 m	5375300 m
EXTENTS	683 m	398 m
SECTION TOP, BOT	589.8 m	191.8 m
TOLERANCE +/-	50 m	

Figure 35

SCALE 1 : 2500

(m)

-20 0 20 40 60 80 100 120

NAD83 / UTM zone 10N

AZIMUTH = 0°

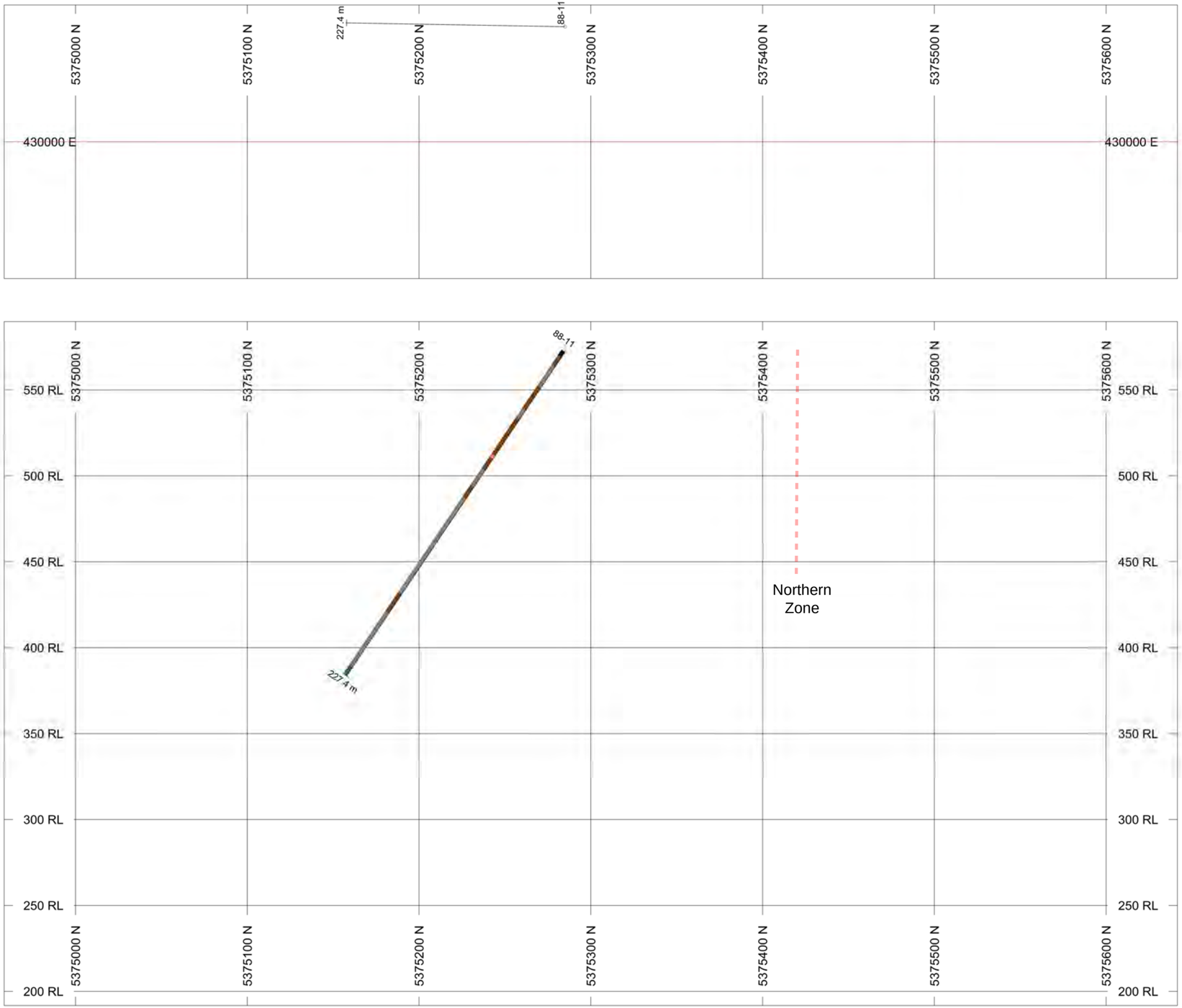
N W E S

Mill Bay Ventures Inc.

Valentine Mountain Property

Braiteach/BN Zone

Section 430200 East



HOLES PLOTTED

TOTAL 1

88-11

BAR GRAPHS	L/R	COL
Au	R	
As	R	

ROCK CODES	PAT	LABEL
Rock_Code		overburden
		metapelite
		metasandstone
		amphibolite
		quartz diorite

SECTION SPECS:

REF. PT. E, N	430000 m	5375300 m
EXTENTS	683 m	398 m
SECTION TOP, BOT	589.8 m	191.8 m
TOLERANCE +/-	150 m	

Figure 36

SCALE 1 : 2500

(m)

-20 0 20 40 60 80 100 120

NAD83 / UTM zone 10N

AZIMUTH = 0°

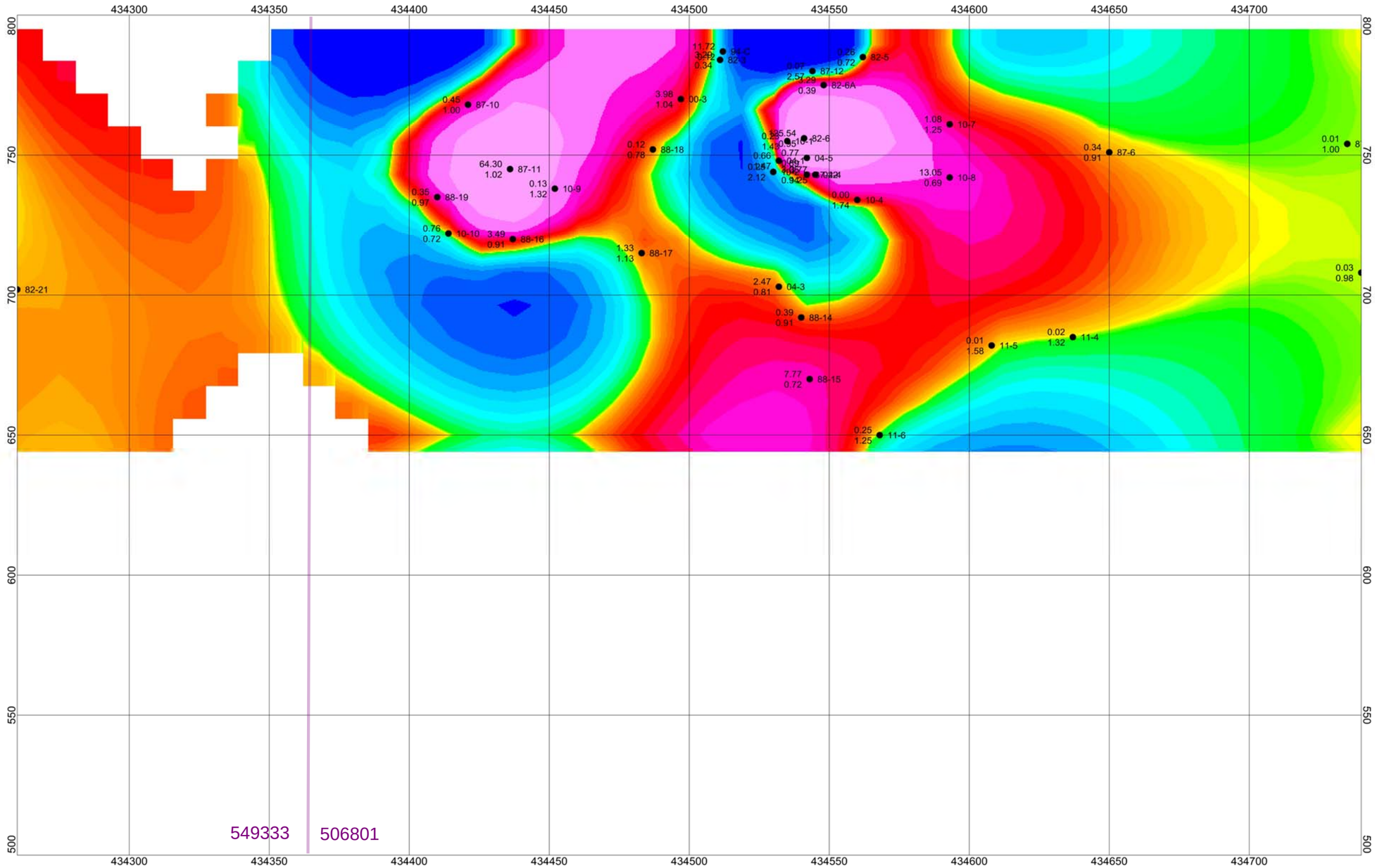
N W E S

Mill Bay Ventures Inc.

Valentine Mountain Property

Braiteach/BN Zone

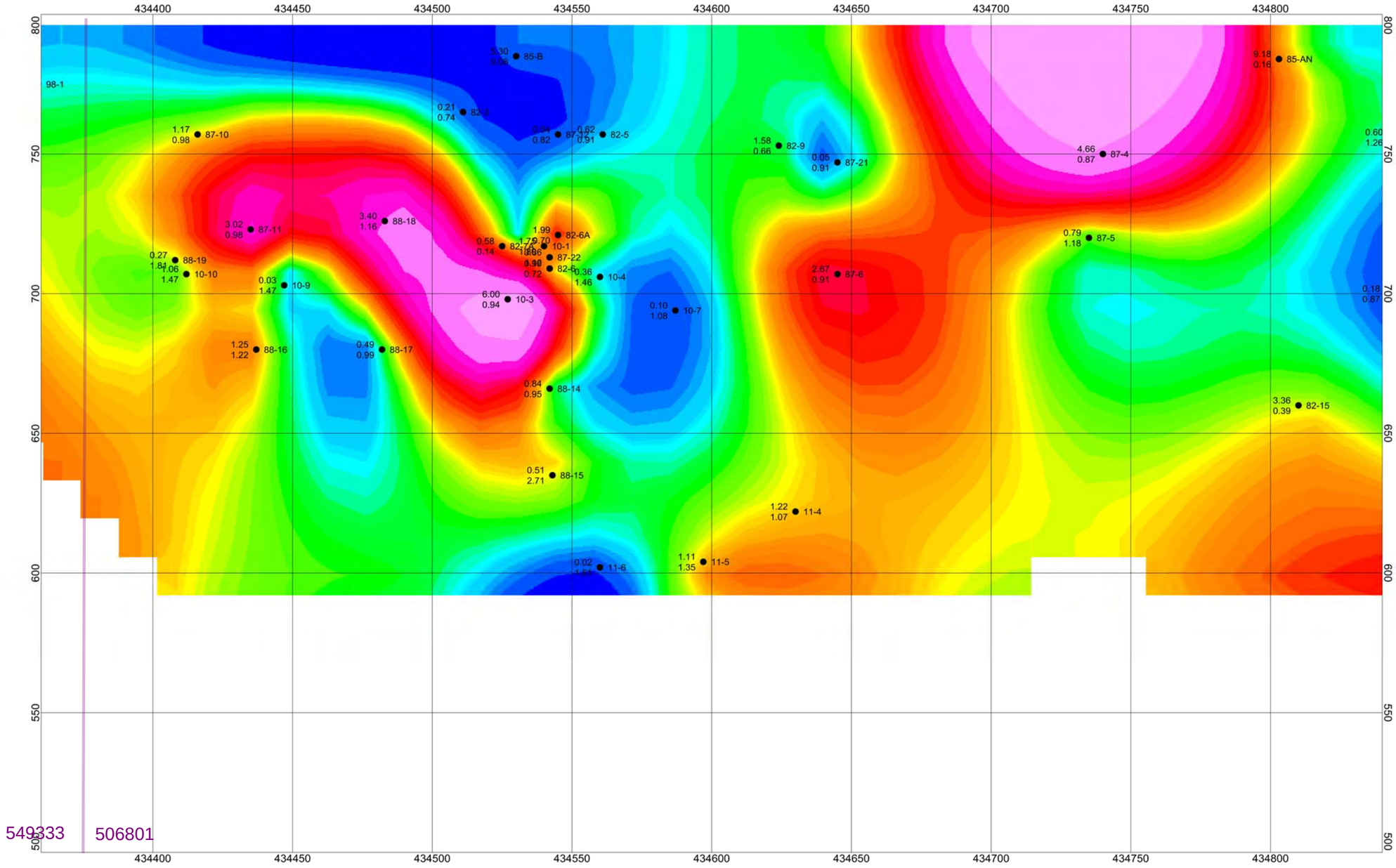
Section 430000 East



25 0 25
(meters)
NAD83 / UTM zone 10N

Valentine Mountain Discovery Zone
Vertical Longitudinal Looking North - C Vein Intercepts
Au (g/t) over True Width (m) with contoured AuxTW

Figure 37



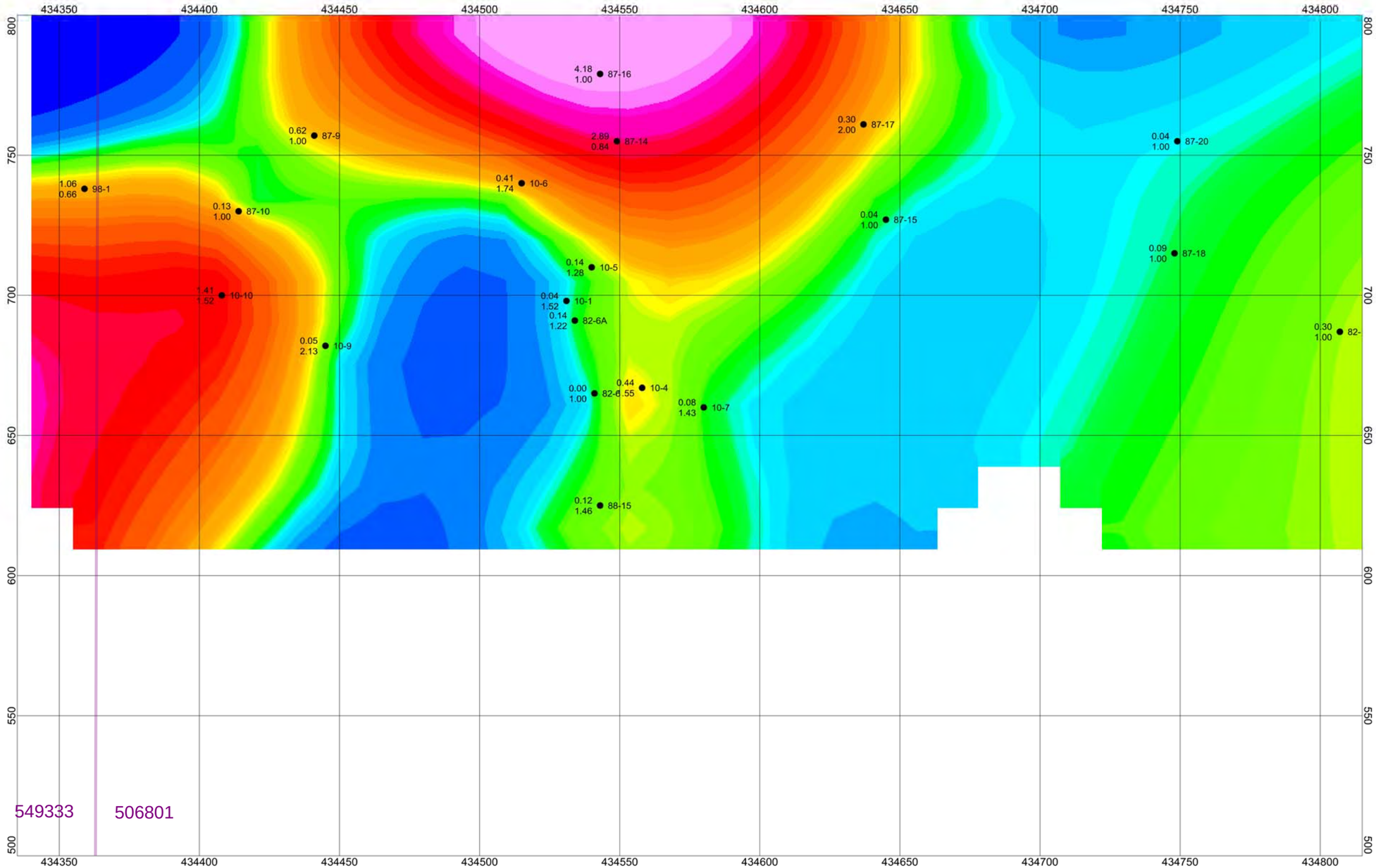
25 0 25
(meters)
NAD83 / UTM zone 10N

Valentine Mountain Discovery Zone

Vertical Longitudinal Looking North - B Vein Intercepts

Au (g/t) over True Width (m) with contoured AuxTW

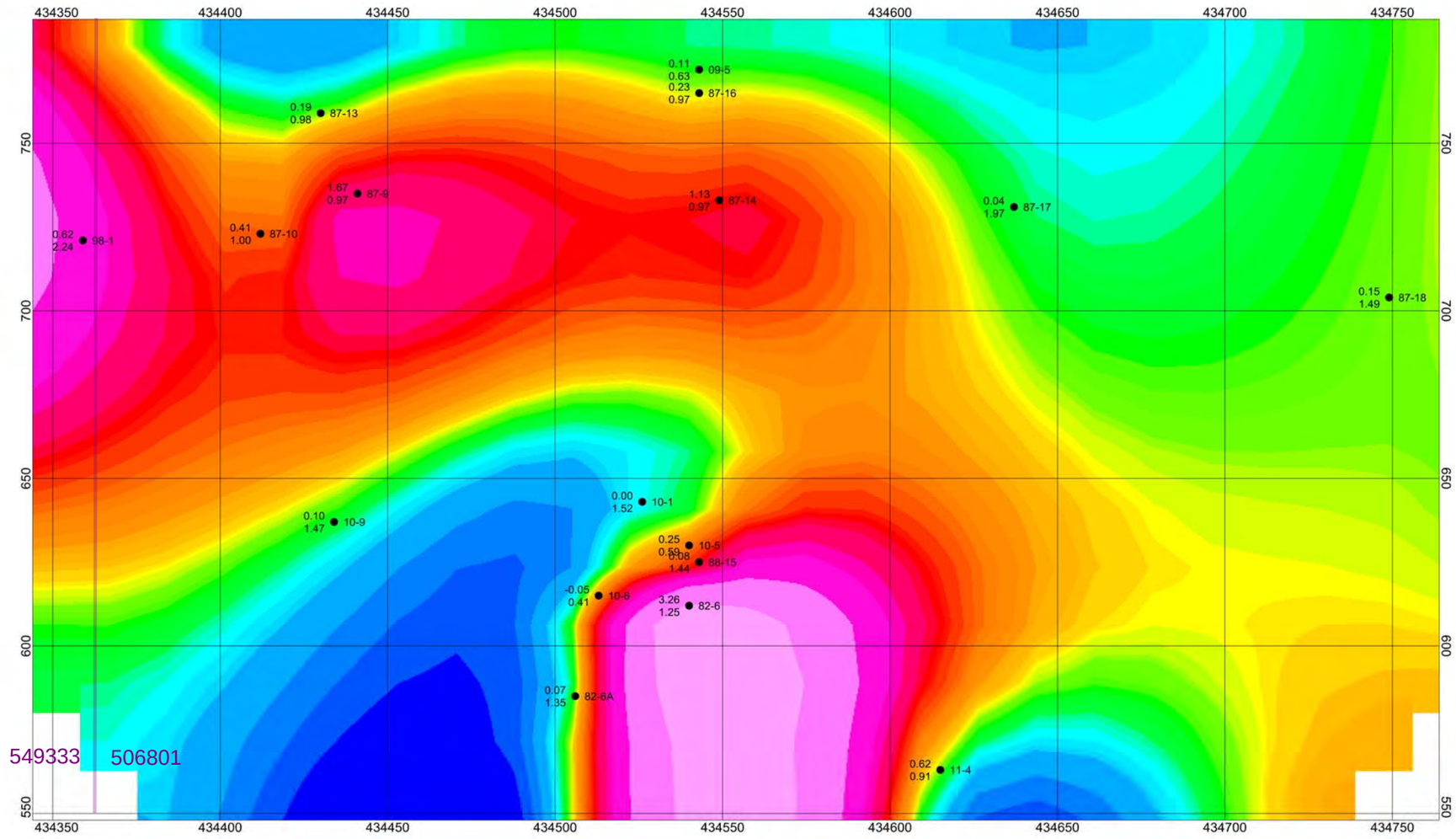
Figure 38



25 0 25
(meters)
NAD83 / UTM zone 10N

Valentine Mountain Discovery Zone
Vertical Longitudinal Looking North - E Vein Intercepts
Au (g/t) over True Width (m) with contoured AuxTW

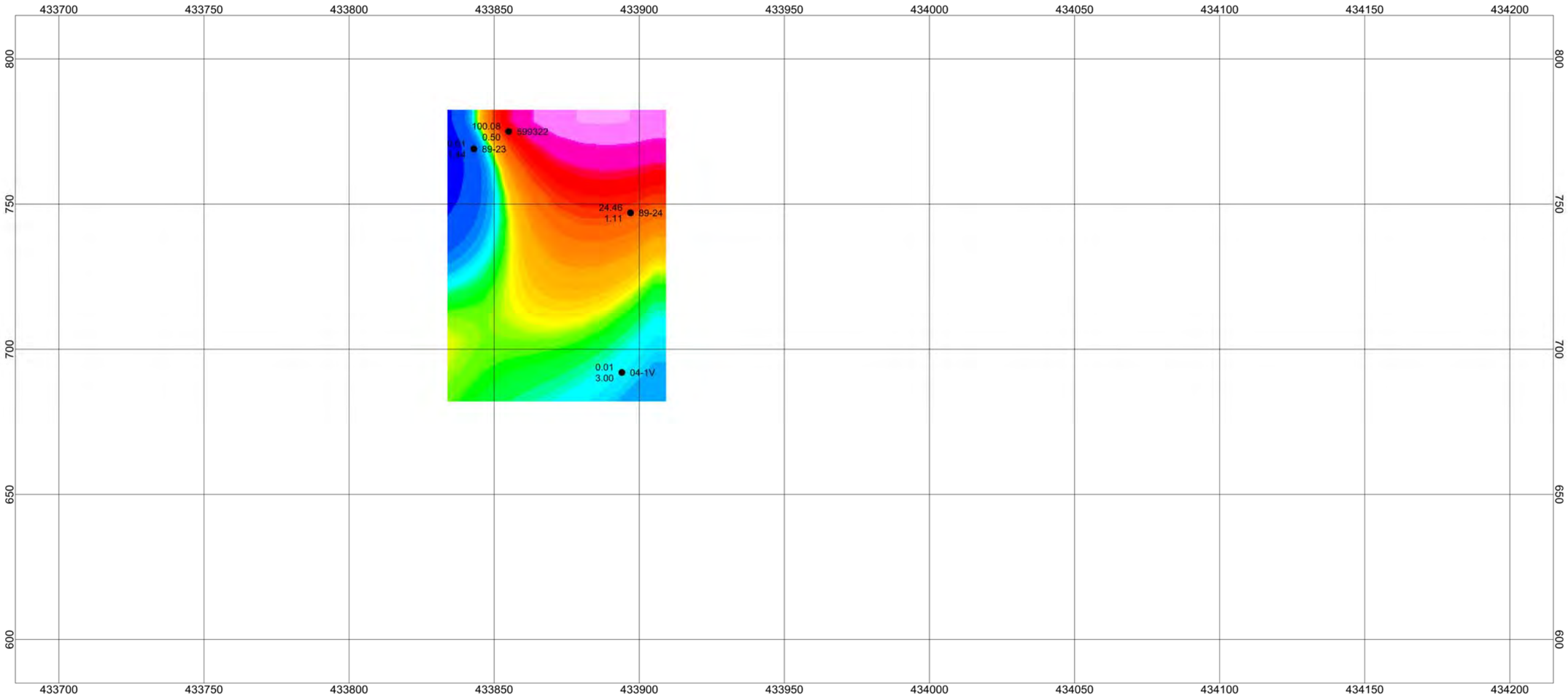
Figure 39



25 0 25
(meters)
NAD83 / UTM zone 10N

Valentine Mountain Discovery Zone
Vertical Longitudinal Looking North - F Vein Intercepts
Au (g/t) over True Width (m) with contoured AuxTW

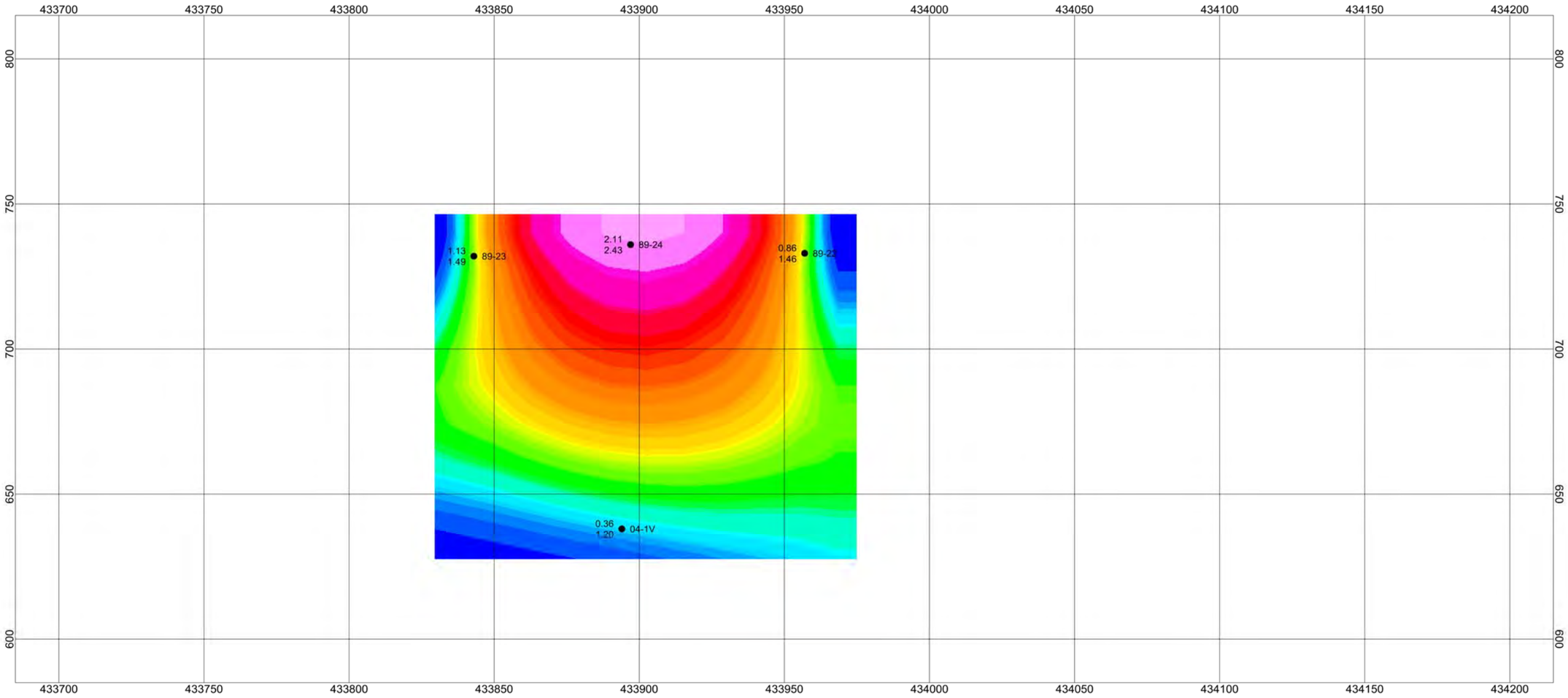
Figure 40



25 0 25
(meters)
NAD83 / UTM zone 10N

Valentine Mountain Discovery West Zone
Vertical Longitudinal Looking North - C Vein Intercepts
Au (g/t) over True Width (m) with contoured AuxTW

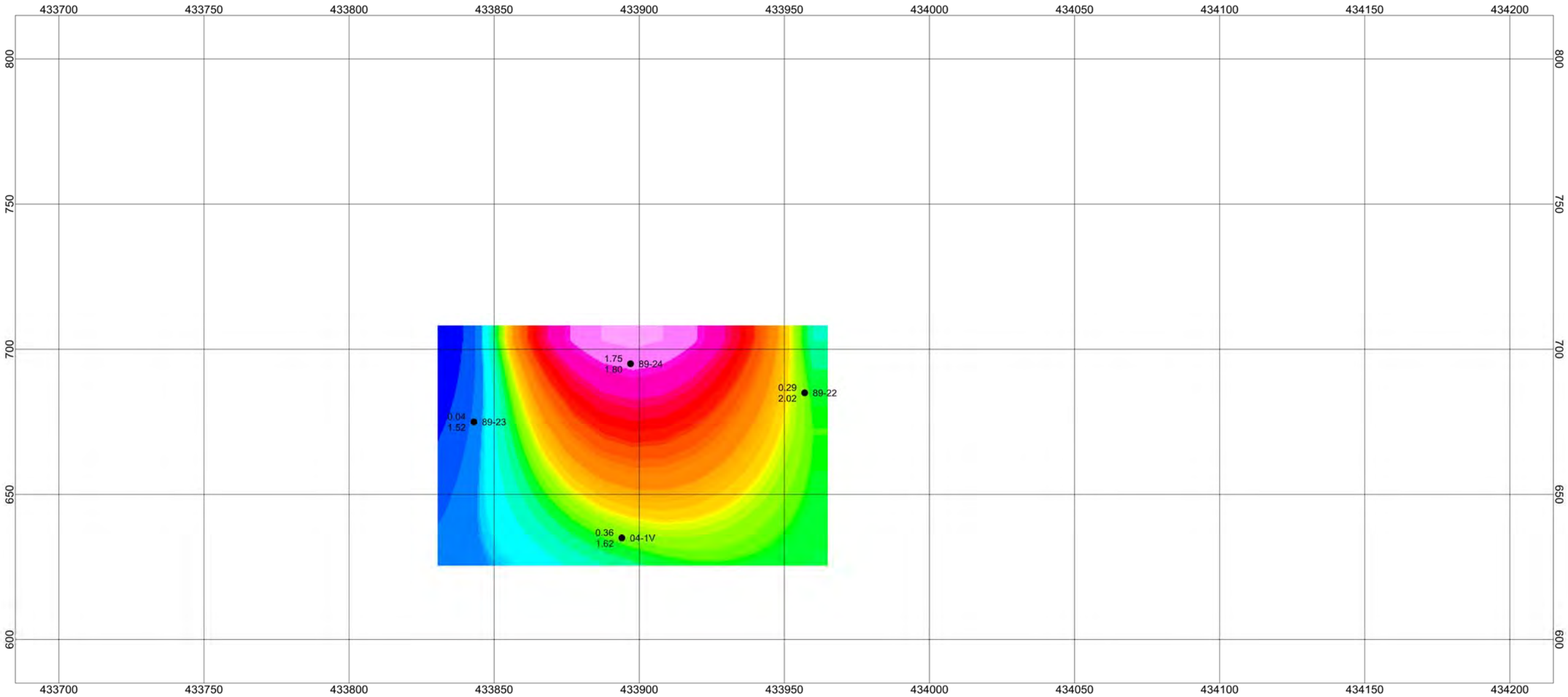
Figure 41



25 0 25
(meters)
NAD83 / UTM zone 10N

Valentine Mountain Discovery West Zone
Vertical Longitudinal Looking North - B Vein Intercepts
Au (g/t) over True Width (m) with contoured AuxTW

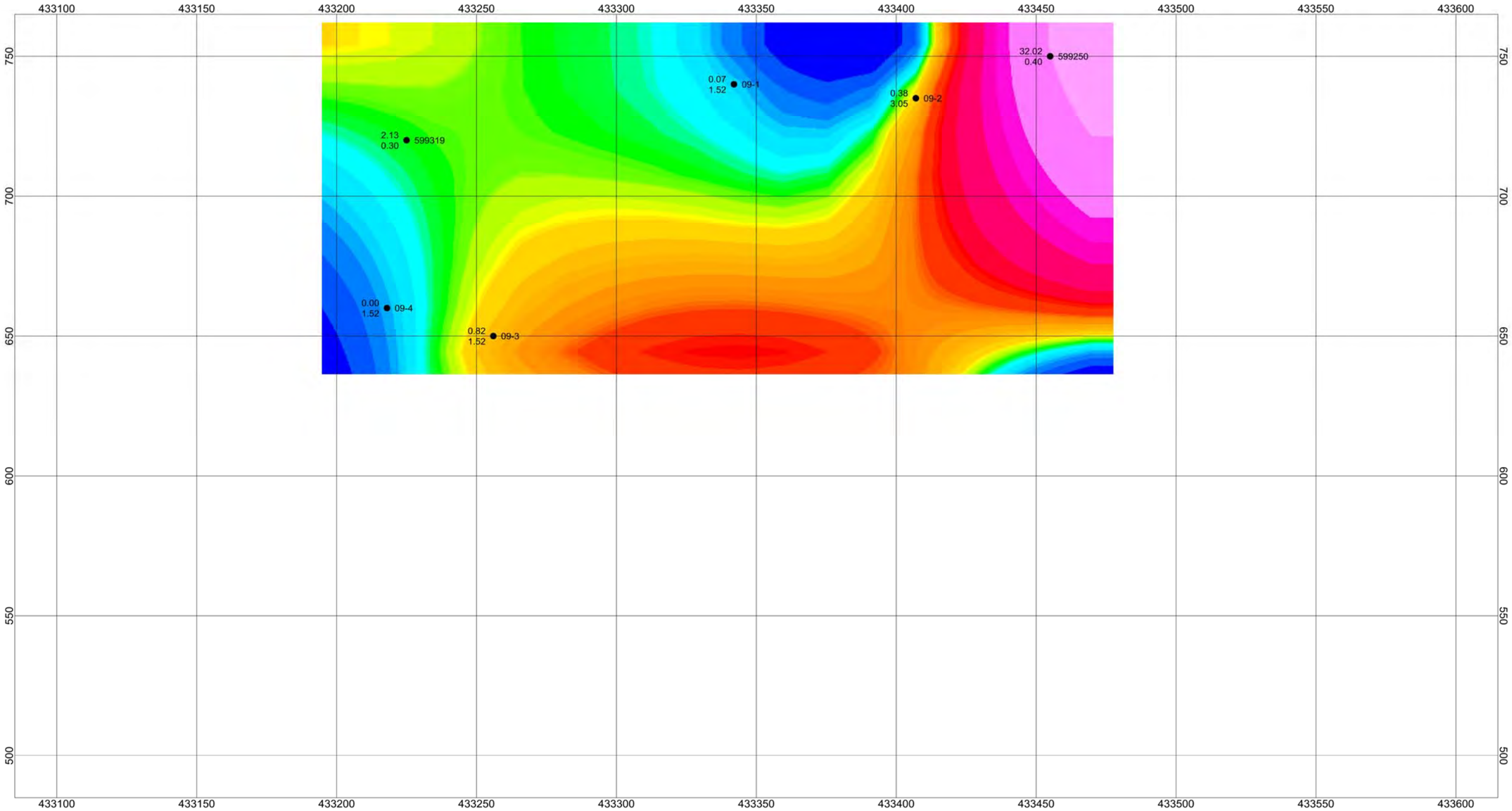
Figure 42



25 0 25
(meters)
NAD83 / UTM zone 10N

Valentine Mountain Discovery West Zone
Vertical Longitudinal Looking North - E Vein Intercepts
Au (g/t) over True Width (m) with contoured AuxTW

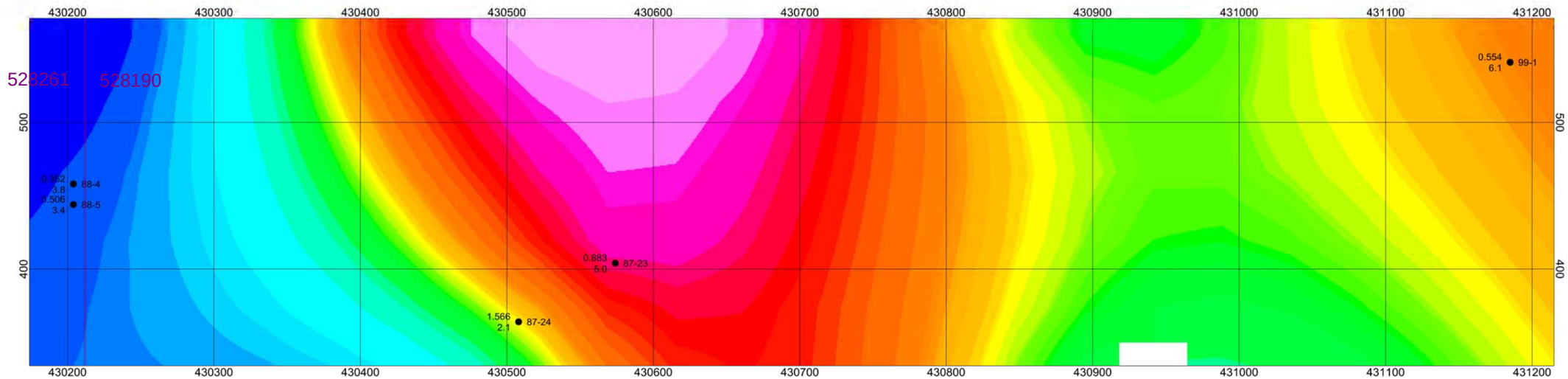
Figure 43



25 0 25
(meters)
NAD83 / UTM zone 10N

Valentine Mountain Discovery Log Dam Zone
Vertical Longitudinal Looking North - Intercepts
Au (g/t) over True Width (m) with contoured AuxTW

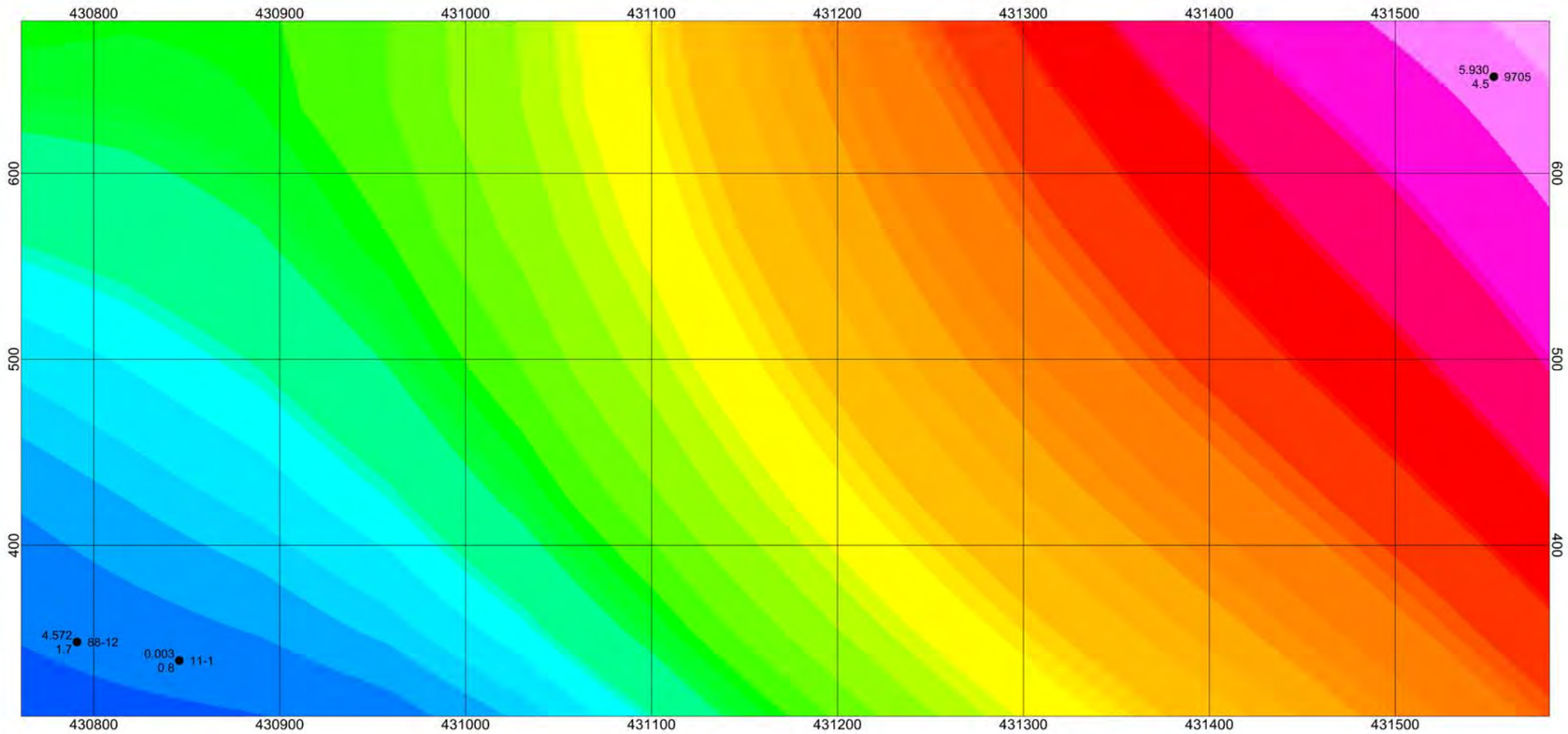
Figure 44



50 0 50
(meters)
NAD83 / UTM zone 10N

Valentine Mountain Braiteach & BN Zone
Vertical Longitudinal Looking North - Northern Zone Intercepts
Au (g/t) over True Width (m) with contoured AuxTW

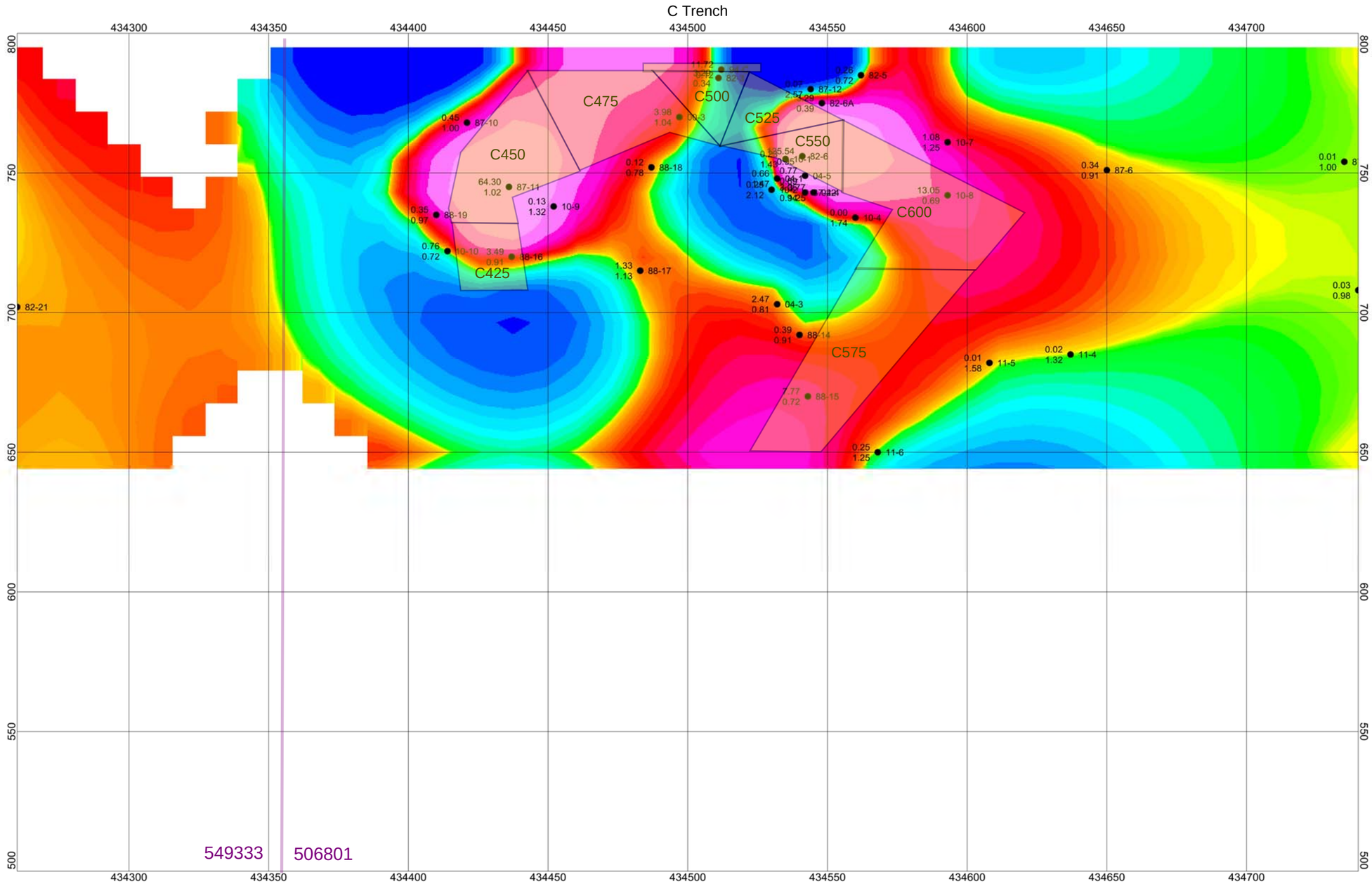
Figure 45



50 0 50
(meters)
NAD83 / UTM zone 10N

Valentine Mountain Braiteach & BN Zone
Vertical Longitudinal Looking North - Southern Zone Intercepts
Au (g/t) over True Width (m) with contoured AuxTW

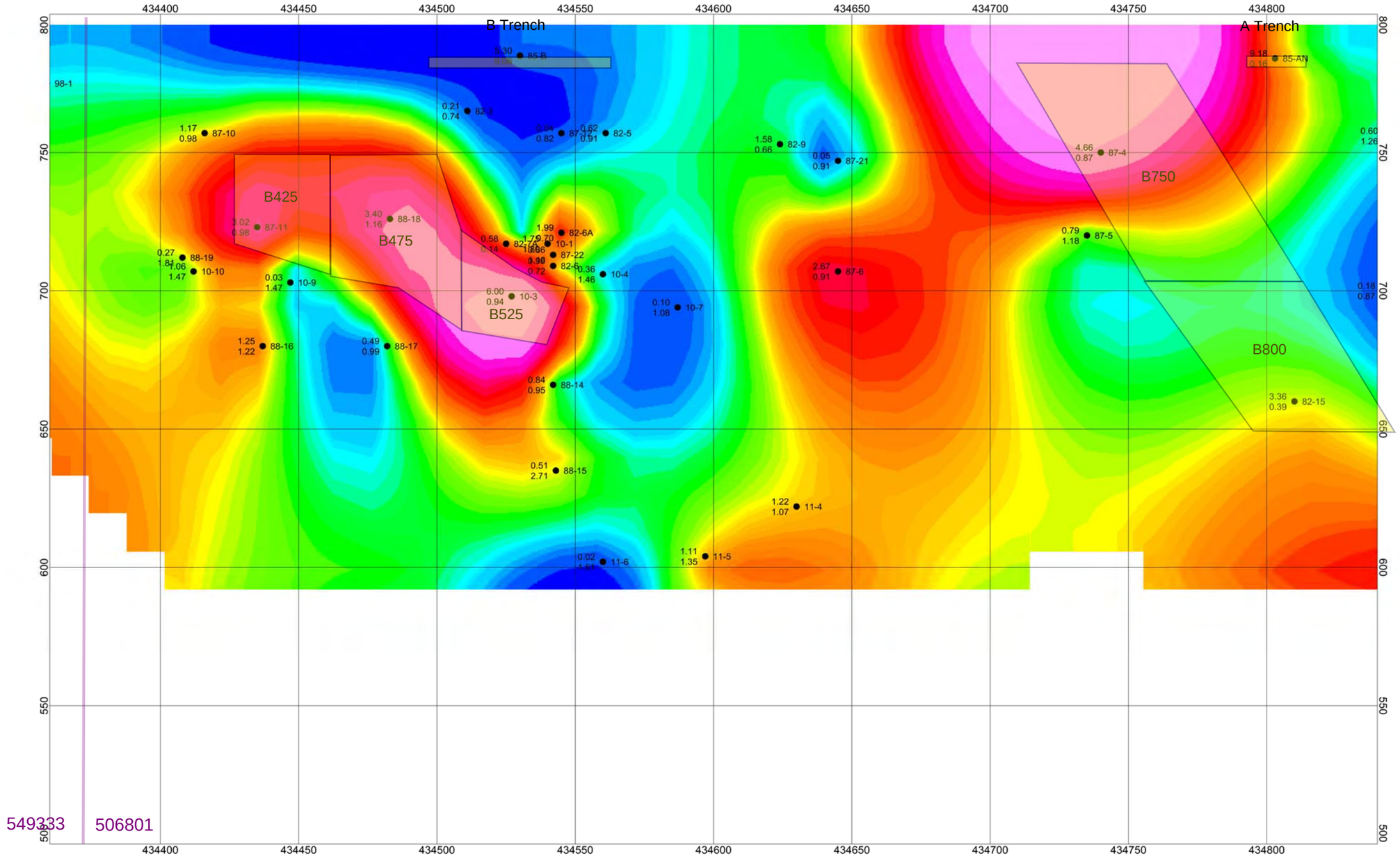
Figure 46



25 0 25
(meters)
NAD83 / UTM zone 10N

Valentine Mountain Discovery Zone
Vertical Longitudinal Looking North - C Vein Intercepts
Au (g/t) over True Width (m) with contoured AuxTW
Showing Resource Blocks

Figure 47



Valentine Mountain Discovery Zone

Vertical Longitudinal Looking North - B Vein Intercepts

Au (g/t) over True Width (m) with contoured AuxTW

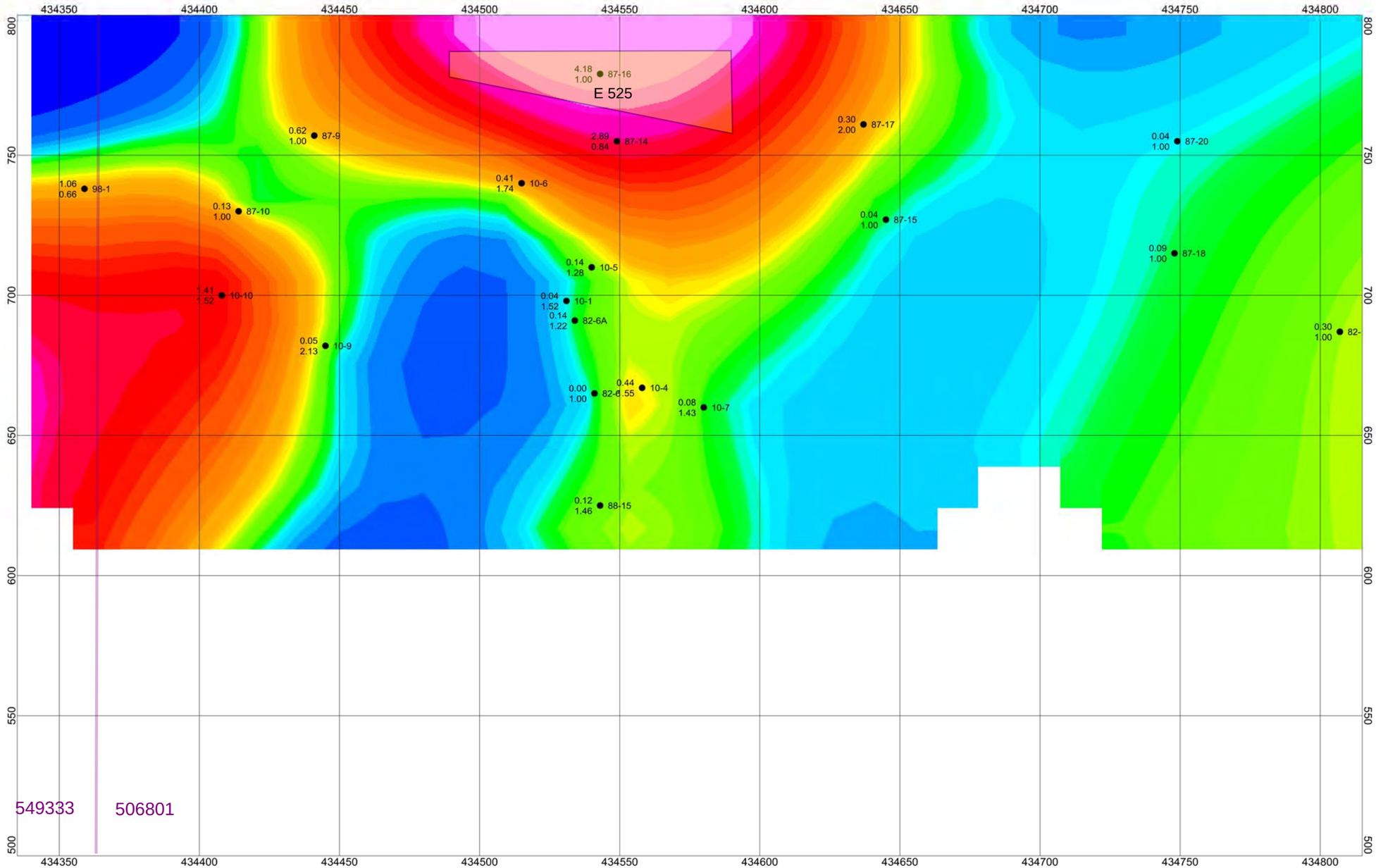
Showing Resource Blocks

Figure 48

25 0 25

(meters)

NAD83 / UTM zone 10N



25 0 25
(meters)
NAD83 / UTM zone 10N

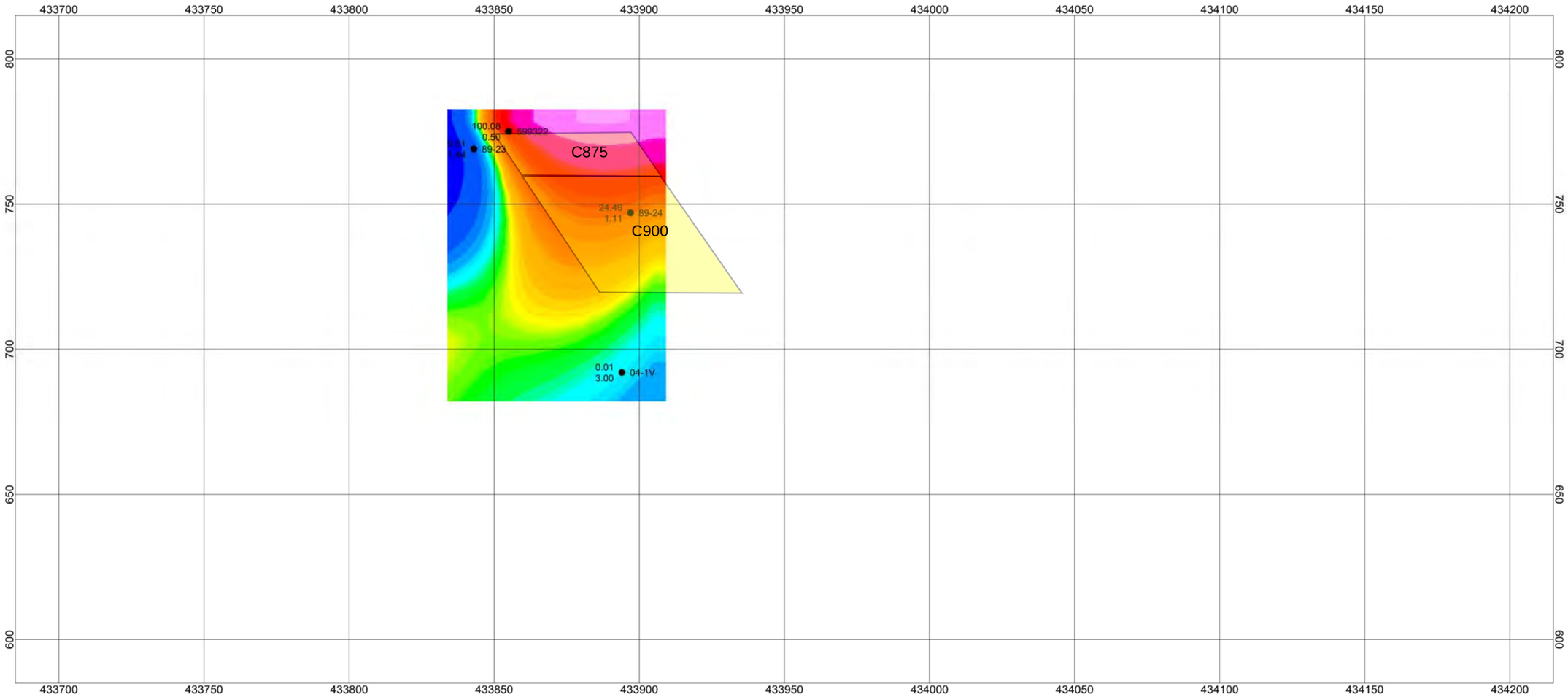
Valentine Mountain Discovery Zone

Vertical Longitudinal Looking North - E Vein Intercepts

Au (g/t) over True Width (m) with contoured AuxTW

Showing Resource Blocks

Figure 49



25 0 25
(meters)
NAD83 / UTM zone 10N

Valentine Mountain Discovery West Zone

Vertical Longitudinal Looking North - C Vein Intercepts

Au (g/t) over True Width (m) with contoured AuxTW

Showing Resource Blocks

Figure 50

Appendix 1

Drill and Trench Assay Data

By Zone and Vein

Discovery Zone C Vein Assays

Hole/Trench	Vein/Zone	From	To	Length	Au g/t	Au cut	Mean	1SD	M+2SD
00-3	C Vein	19.69	24.32	4.63	3.98	3.98	11.58	46.31	104.20
04-1	C Vein	43.43	44.96	1.52	0.66	0.66			
04-3	C Vein	80.68	82.30	1.62	2.47	2.47			
04-4	C Vein	48.46	49.99	1.52	3.77	3.77			
04-5	C Vein	41.94	43.31	1.37	0.77	0.77			
10-1	C Vein	40.23	41.15	0.91	0.03	0.03			
10-1	C Vein	41.15	41.67	0.52	0.58	0.58			
10-2	C Vein	46.02	46.94	0.91	0.69	0.69			
10-2	C Vein	46.94	48.89	1.95	0.03	0.03			
10-2	C Vein	48.89	49.32	0.43	0.31	0.31			
10-4	C Vein	59.13	61.14	2.01	0.00	0.00			
10-7	C Vein	26.21	26.82	0.61	2.68	2.68			
10-7	C Vein	26.82	27.74	0.91	0.01	0.01			
10-8	C Vein	40.54	41.91	1.37	13.05	13.05			
10-9	C Vein	62.48	64.01	1.52	0.13	0.13			
10-10	C Vein	79.49	80.22	0.73	0.76	0.76			
11-4	C Vein	92.08	93.60	1.52	0.02	0.02			
11-5	C Vein	93.27	94.61	1.34	0.01	0.01			
11-5	C Vein	94.61	94.95	0.34	0.03	0.03			
11-6	C Vein	139.60	141.12	1.52	0.25	0.25			
82-3	C Vein	5.43	5.79	0.36	3.29	3.29			
82-5	C Vein	4.57	4.72	0.15	0.69	0.69			
82-5	C Vein	4.72	5.18	0.46					
82-5	C Vein	5.18	5.33	0.15	0.62	0.62			
82-6	C Vein	35.97	36.45	0.49	258.86	104.20			
82-6	C Vein	36.45	36.97	0.52	0.07	0.07			
82-6A	C Vein	9.14	9.45	0.30	5.97	5.97			
82-6A	C Vein	9.45	9.75	0.30	0.62	0.62			
82-15	C Vein	98.54	99.58	1.04	0.10	0.10			
82-21	C Vein	111.50	112.01	0.52	0.69	0.69			
82-21	C Vein	112.01	112.93	0.91	0.25	0.25			
87-1	C Vein	98.00	99.00	1.00	0.55	0.55			
87-2	C Vein	38.00	39.00	1.00	0.02	0.02			
87-5	C Vein	29.50	32.80	1.00	0.02	0.02			
87-6	C Vein	40.00	41.00	1.00	0.34	0.34			
87-8	C Vein	88.00	89.00	1.00	0.03	0.03			
87-10	C Vein	31.00	32.00	1.00	0.45	0.45			
87-11	C Vein	57.98	58.24	0.26	250.01	104.20			
87-11	C Vein	58.24	59.00	0.76	0.77	0.77			
87-12	C Vein	7.00	8.00	1.00	0.10	0.10			
87-12	C Vein	8.00	9.14	1.14	0.02	0.02			
87-12	C Vein	9.14	9.73	0.59	0.11	0.11			
87-22	C Vein	58.00	59.00	1.00	3.05	3.05			
88-14	C Vein	118.74	119.68	0.94	0.39	0.39			
88-15	C Vein	128.13	128.43	0.30	19.89	19.89			
88-15	C Vein	128.43	128.90	0.47	0.04	0.04			
88-16	C Vein	73.76	74.60	0.84	0.35	0.35			
88-16	C Vein	74.60	74.87	0.27	13.27	13.27			
88-17	C Vein	91.96	92.26	0.30	5.62	5.62			
88-17	C Vein	92.26	93.27	1.01	0.05	0.05			
88-18	C Vein	50.81	51.02	0.21	0.39	0.39			
88-18	C Vein	51.02	51.64	0.62	0.03	0.03			
88-19	C Vein	68.23	68.74	0.51	0.55	0.55			
88-19	C Vein	68.74	69.20	0.46	0.13	0.13			
94-C	C Vein	0.00	2.50	2.50	24.50	24.50			
94-C	C Vein	2.50	10.00	7.50	10.62	10.62			
94-C	C Vein	10.00	17.50	7.50	30.20	30.20			
94-C	C Vein	17.50	22.50	5.00	2.58	2.58			
94-C	C Vein	22.50	27.50	5.00	16.70	16.70			
94-C	C Vein	27.50	32.50	5.00	1.23	1.23			

Discovery Zone B Vein Assays

Hole/Trench	Vein/Zone	From	To	Length	Au g/t	Au cut	Mean	1SD	M+2SD
10-1	B Vein	86.56	88.39	1.83	1.75	1.75	1.80	2.77	7.35
10-3	B Vein	99.18	100.00	0.82	0.05	0.05			
10-3	B Vein	100.00	100.83	0.82	11.95	7.35			
10-4	B Vein	95.92	97.54	1.62	0.36	0.36			
10-7	B Vein	99.67	101.19	1.52	0.10	0.10			
10-9	B Vein	109.73	111.25	1.52	0.03	0.03			
10-10	B Vein	99.67	101.19	1.52	1.06	1.06			
11-4	B Vein	172.82	174.13	1.31	1.22	1.22			
11-5	B Vein	194.10	195.74	1.65	1.11	1.11			
11-6	B Vein	198.12	199.19	1.07	0.03	0.03			
11-6		199.19	200.25	1.07	0.01	0.01			
82-3	B Vein	26.06	27.03	0.97	0.21	0.21			
82-5	B Vein	38.71	39.65	0.94	0.62	0.62			
82-6	B Vein	88.54	89.49	0.94	0.99	0.99			
82-6A	B Vein	67.67	68.88	1.22	1.99	1.99			
82-7A	B Vein	96.44	96.77	0.34	1.27	1.27			
82-7A	B Vein	96.77	96.93	0.15	0.07	0.07			
82-9	B Vein	38.71	39.47	0.76	1.58	1.58			
82-15	B Vein	154.53	154.96	0.43	3.36	3.36			
82-21	B Vein	137.95	139.29	1.34	2.16	2.16			
85-AN	B Vein	0.00	11.00	11.00	9.18	7.35			
85-B	B Vein	12.70	19.70	7.00	5.30	5.30			
87-2	B Vein	103.00	104.00	1.00	0.18	0.18			
87-3	B Vein	28.54	29.07	0.53	1.58	1.58			
87-3	B Vein	29.07	30.00	0.93	0.04	0.04			
87-4	B Vein	50.00	51.00	1.00	4.66	4.66			
87-5	B Vein	83.64	84.11	0.47	0.26	0.26			
87-5	B Vein	84.11	85.00	0.89	1.06	1.06			
87-6	B Vein	100.00	101.00	1.00	2.67	2.67			
87-10	B Vein	46.00	47.00	1.00	1.17	1.17			
87-11	B Vein	95.00	96.00	1.00	3.02	3.02			
87-12	B Vein	41.00	42.00	1.00	0.04	0.04			
87-21	B Vein	33.00	34.00	1.00	0.05	0.05			
87-22	B Vein	101.80	103.00	1.20	0.87	0.87			
88-14	B Vein	157.42	158.00	0.58	0.05	0.05			
88-14	B Vein	158.00	158.40	0.40	1.99	1.99			
88-15	B Vein	168.55	169.47	0.92	0.58	0.58			
88-15	B Vein	169.47	170.21	0.74	0.03	0.03			
88-15	B Vein	170.21	171.17	0.96	0.03	0.03			
88-15	B Vein	171.17	171.54	0.37	2.50	2.50			
88-16	B Vein	117.35	118.02	0.67	0.24	0.24			
88-16	B Vein	118.02	118.29	0.27	5.55	5.55			
88-16	B Vein	118.29	118.76	0.47	0.23	0.23			
88-17	B Vein	133.06	133.53	0.47	0.07	0.07			
88-17	B Vein	133.53	133.77	0.24	1.99	1.99			
88-17	B Vein	133.77	134.20	0.43	0.12	0.12			
88-18	B Vein	89.60	89.75	0.15	1.65	1.65			
88-18	B Vein	89.75	90.17	0.42	6.38	6.38			
88-18	B Vein	90.17	90.27	0.10	12.24	7.35			
88-18	B Vein	90.27	90.88	0.61	0.34	0.34			
88-19	B Vein	94.40	95.73	1.33	0.25	0.25			
88-19	B Vein	95.73	96.24	0.51	0.33	0.33			
98-1	B Vein	17.55	18.68	1.13	0.62	0.62			

Discovery Zone E Vein Assays

Hole/Trench	Vein/Zone	From	To	Length	Au g/t	Au cut	Mean	1SD	M+2SD
10-1	E Vein	110.34	111.86	1.52	0.04	0.04	0.80	1.72	4.25
10-4	E Vein	145.36	146.91	1.55	0.44	0.44			
10-5	E Vein	79.19	80.47	1.28	0.14	0.14			
10-6	E Vein	46.97	47.43	0.46	1.39	1.39			
10-6		47.43	48.71	1.28	0.06	0.06			
10-9	E Vein	131.37	133.50	2.13	0.05	0.05			
10-10	E Vein	108.20	109.73	1.52	1.41	1.41			
82-6	E Vein	140.00	141.00	1.00	0.00	0.00			
82-6A	E Vein	96.62	97.84	1.22	0.14	0.14			
82-12N	E Vein	107.90	108.20	1.00	0.30	0.30			
87-9	E Vein	44.00	45.00	1.00	0.62	0.62			
87-10	E Vein	91.00	92.00	1.00	0.13	0.13			
87-14	E Vein	49.16	49.45	0.29	7.75	4.25			
87-14		49.45	50.00	0.55	0.33	0.33			
87-15		83.00	83.83	0.83	0.01	0.01			
87-15	E Vein	83.83	84.00	0.17	0.19	0.19			
87-16	E Vein	11.00	12.00	1.00	4.18	4.18			
87-17	E Vein	32.00	33.00	1.00	0.25	0.25			
87-17		33.00	34.00	1.00	0.36	0.36			
87-18	E Vein	87.00	88.00	1.00	0.09	0.09			
87-20	E Vein	31.00	32.00	1.00	0.05	0.05			
88-15	E Vein	184.06	185.52	1.46	0.12	0.12			
98-1	E Vein	68.07	68.73	0.66	1.06	1.06			

Discovery Zone F Vein Assays

Hole/Trench	Vein/Zone	From	To	Length	Au g/t	Au cut	Mean	1SD	M+2SD
09-5	F Vein	22.25	22.56	0.30	0.62	0.62	0.49	0.75	1.99
09-5		22.56	24.08	1.52	0.01	0.01			
10-1	F Vein	204.22	205.74	1.52	0.00	0.00			
10-5		155.11	156.06	0.94	0.01	0.01			
10-5	F Vein	156.06	156.85	0.79	0.53	0.53			
10-6	F Vein	170.32	171.15	0.82	<0.05	<0.05			
10-9	F Vein	201.17	202.69	1.52	0.10	0.10			
11-4	F Vein	242.99	243.99	1.01	1.11	1.11			
82-6	F Vein	201.78	203.30	1.52	3.26	1.99			
92-6A	F Vein	212.45	214.09	1.65	0.07	0.07			
87-9	F Vein	83.00	84.00	1.00	1.67	1.67			
87-10	F Vein	99.00	100.00	1.00	0.41	0.41			
87-13	F Vein	41.00	42.00	1.00	0.19	0.19			
87-14	F Vein	78.00	79.00	1.00	1.13	1.13			
87-16	F Vein	30.00	31.00	1.00	0.23	0.23			
87-17	F Vein	87.00	88.00	1.00	0.04	0.04			
87-17		88.00	89.00	1.00	0.05	0.05			
87-18	F Vein	113.50	114.00	0.50	0.16	0.16			
87-18		114.00	114.57	0.57	0.06	0.06			
87-18		114.57	115.00	0.43	0.27	0.27			
88-15	F Vein	276.15	277.74	1.59	0.08	0.08			
98-1	F Vein	92.35	93.42	1.07	0.67	0.67			
98-1		93.42	94.62	1.20	0.58	0.58			

Disscovery West Zone C Vein Assays

Hole/Trench	Vein/Zone	From	To	Length	Au g/t	Au cut	Mean	1SD	M+2SD
89-23		5.08	6.17	1.09	0.01	0.01	11.58	46.31	104.20
89-23	C Vein	6.17	6.52	0.35	0.01	0.01	(stats from Discovery Zone C Vein)		
89-24	C Vein	59.15	59.52	0.37	73.31	73.31			
89-24		59.52	60.26	0.74	0.03	0.03			
04-1V	C Vein	105.00	108.00	3.00	0.01	0.01			
599322	C Vein	0.00	0.50	0.50	100.08	100.08			

Discovery West Zone B Vein Assays

Hole/Trench	Vein/Zone	From	To	Length	Au g/t	Au cut	Mean	1SD	M+2SD
89-22	B Vein	79.00	80.46	1.46	0.86	0.86	1.80	2.77	7.35
89-23	B Vein	56.91	58.40	1.49	1.13	1.13	(stats from Discovery Zone B Vein)		
89-24	B Vein	69.08	70.01	0.93	3.15	3.15			
89-24		70.01	71.51	1.50	1.47	1.47			
04-1V	B Vein	172.50	173.70	1.20	0.36	0.36			

Hole/Trench	Vein/Zone	From	To	Length	Au g/t	Au cut	Mean	1SD	M+2SD
89-22	E Vein	148.37	149.38	1.01	0.34	0.34	0.80	1.72	4.25
89-22		149.38	150.39	1.01	0.23	0.23	(stats from Discovery Zone E Vein)		
89-23	E Vein	132.55	134.07	1.52	0.04	0.04			
89-24	E Vein	127.70	128.23	0.53	5.21	4.25			
89-24		128.23	129.08	0.85	0.31	0.31			
89-24		129.08	129.50	0.42	0.31	0.31			
04-1V	E Vein	175.19	176.81	1.62	0.36	0.36			

Log Dam Zone Assays

Hole/Trench	Vein/Zone	From	To	Length	Au g/t	Au cut	Mean	1SD	M+2SD
09-1	Intercept	12.19	13.72	1.52	0.075	0.075	6.00	12.78	31.56
09-2	Intercept	16.76	18.29	1.52	0.52	0.52			
09-2		18.29	19.81	1.52	0.25	0.25			
09-3	Intercept	88.39	89.92	1.52	0.83	0.83			
599250	2002 Trench	0.00	0.40	0.40	32.02	31.56			
599319	2002 Trench	0.00	0.30	0.30	2.13	2.13			

BN and Braiteach Northern Zone Assays

Hole/Trench	Vein/Zone	From	To	Length	Au g/t	Au cut	Mean	1SD	M+2SD
87-23	Northern Zone	22.00	23.00	1.00	0.30	0.30	0.66	1.14	2.95
87-23		23.00	24.00	1.00	0.00	0.00			
87-23		24.00	25.00	1.00	0.12	0.12			
87-23		25.00	26.00	1.00	0.02	0.02			
87-23		26.00	27.00	1.00	0.13	0.13			
87-23		27.00	28.00	1.00	5.45	2.95			
87-23		28.00	29.00	1.00	0.17	0.17			
87-24	Northern Zone	78.00	79.00	1.00	3.91	2.95			
87-24		79.00	80.00	1.00	0.50	0.50			
87-24		80.00	81.00	1.00	0.30	0.30			
88-4	Northern Zone	59.00	60.00	1.00	0.18	0.18			
88-4		60.00	61.00	1.00	0.61	0.61			
88-4		61.00	62.00	1.00	0.59	0.59			
88-4		62.00	63.00	1.00	0.08	0.08			
88-4		63.00	64.00	1.00	0.32	0.32			
88-5	Northern Zone	64.00	65.00	1.00	0.87	0.87			
88-5		65.00	66.00	1.00	0.35	0.35			
88-5		66.00	67.00	1.00	0.66	0.66			
88-5		67.00	68.00	1.00	0.07	0.07			
88-5		68.00	69.00	1.00	0.49	0.49			
88-5		69.00	70.00	1.00	0.62	0.62			
99-1	Northern Zone	26.20	27.42	1.22	0.88	0.88			
99-1		27.42	28.70	1.28	0.31	0.31			
99-1		28.70	30.05	1.35	0.00	0.00			
99-1		30.05	31.18	1.13	0.82	0.82			
99-1		31.18	32.40	1.22	0.00	0.00			
99-1		32.40	33.44	1.04	0.66	0.66			
99-1		33.44	34.58	1.14	0.78	0.78			
99-1		34.58	35.69	1.11	0.49	0.49			
99-1		35.69	36.84	1.15	0.25	0.25			

BN and Braiteach Southern Zone Assays

Hole/Trench	Vein/Zone	From	To	Length	Au g/t	Au cut	Mean	1SD	M+2SD
11-1	Southern Zone	172.67	173.52	0.85	0.003	0.003	3.93	3.15	10.2364
88-12	Southern Zone	96.00	97.00	1.00	7.34	7.34			
88-12		97.00	98.00	1.00	1.24	1.24			
88-12		98.00	99.00	1.00	5.14	5.14			
9705	Southern Zone	0.00	4.50	4.50	5.93	5.93			

Appendix 2

Drill and Trench Intercept Data

By Zone and Vein

Discovery Zone C Vein Intercepts

Hole/Trench	Easting	Northing	Elevation	Au g/t	Au cut	Length	True W.	Au x TW
00-3	434497	5374243	770	3.98	3.98	4.63	1.04	4.14
04-1	434532	5374225	748	0.66	0.66	1.52	1.47	0.97
04-3	434532	5374203	703	2.47	2.47	1.62	0.81	2.00
04-4	434545	5374225	743	3.77	3.77	1.52	1.25	4.71
04-5	434542	5374216	749	0.77	0.77	1.37	0.69	0.53
10-1	434535	5374237	755	0.23	0.23	1.43	1.43	0.32
10-2	434530	5374212	744	0.25	0.25	3.29	2.12	0.52
10-4	434560	5374228	734	0.00	0.00	2.01	1.74	0.00
10-7	434593	5374220	761	1.08	1.08	1.52	1.25	1.35
10-8	434593	5374213	742	13.05	13.05	1.37	0.69	8.95
10-9	434452	5374228	738	0.13	0.13	1.52	1.32	0.17
10-10	434414	5374243	722	0.76	0.76	0.73	0.72	0.55
11-4	434637	5374183	685	0.02	0.02	1.52	1.32	0.03
11-5	434608	5374165	682	0.01	0.01	1.68	1.58	0.02
11-6	434568	5374195	650	0.25	0.25	1.52	1.25	0.31
82-3	434511	5374248	784	3.29	3.29	0.36	0.34	1.13
82-5	434562	5374252	785	0.26	0.26	0.76	0.72	0.19
82-6	434541	5374237	756	125.54	50.55	1.01	0.95	118.66
82-6A	434548	5374248	775	3.29	3.29	0.61	0.39	1.29
82-15	434810	5374200	700	0.10	0.10	1.04	1.00	0.10
82-21	434260	5374239	702	0.41	0.41	1.43	1.35	0.55
87-1	434840	5374206	696	0.55	0.55	1.00	0.94	0.52
87-2	434842	5374228	744	0.02	0.02	1.00	0.06	0.00
87-5	434735	5374235	754	0.02	0.02	1.00	1.00	0.01
87-6	434650	5374222	751	0.34	0.34	1.00	0.91	0.31
87-8	434740	5374208	708	0.03	0.03	1.00	0.98	0.03
87-10	434421	5374275	768	0.45	0.45	1.00	1.00	0.45
87-11	434436	5374238	745	64.30	28.15	1.02	1.02	65.33
87-12	434544	5374248	780	0.07	0.07	2.73	2.57	0.18
87-22	434542	5374232	743	3.05	3.05	1.00	0.94	2.87
88-14	434540	5374215	692	0.39	0.39	0.94	0.91	0.36
88-15	434543	5374205	670	7.77	7.77	0.77	0.72	5.62
88-16	434437	5374222	720	3.49	3.49	1.11	0.91	3.18
88-17	434483	5374220	715	1.33	1.33	1.31	1.13	1.51
88-18	434487	5374234	752	0.12	0.12	0.83	0.78	0.09
88-19	434410	5374245	735	0.35	0.35	0.97	0.97	0.34
94-C	434512	5374249	787	11.72	11.72	3.93	0.12	1.42

Discovery Zone B Vein Intercepts

Hole/Trench	Easting	Northing	Elevation	Au g/t	Au cut	Length	True W.	Au x TW
10-1	434540	5374266	717	1.75	1.75	1.83	1.80	3.15
10-3	434527	5374246	698	6.00	3.83	1.65	0.94	5.66
10-4	434560	5374249	706	0.36	0.36	1.62	1.46	0.53
10-7	434587	5374257	694	0.10	0.10	1.52	1.08	0.11
10-9	434447	5374257	703	0.03	0.03	1.52	1.47	0.04
11-4	434630	5374431	622	1.22	1.22	1.31	1.07	1.31
11-5	434597	5374223	604	1.11	1.11	1.65	1.35	1.50
11-6	434560	5374230	602	0.02	0.02	2.13	1.51	0.03
10-10	434412	5374260	707	1.06	1.06	1.52	1.47	1.56
82-3	434511	5374267	765	0.21	0.21	0.97	0.74	0.15
82-5	434561	5374277	757	0.62	0.62	0.94	0.91	0.56
82-6	434542	5374263	709	0.99	0.99	0.94	0.72	0.72
82-6A	434545	5374266	721	1.99	1.99	1.22	0.70	1.39
82-7A	434525	5374256	717	0.58	0.58	0.79	0.14	0.08
82-9	434624	5374272	753	1.58	1.58	0.76	0.66	1.04
82-15	434810	5374238	660	3.36	3.36	0.43	0.39	1.30
82-21	434260	5374257	680	2.16	2.16	1.34	1.16	2.51
85-AN	434803	5374279	784	9.18	7.35	11.00	0.16	1.47
85-B	434530	5374269	785	5.30	5.30	7.00	0.06	0.32
87-2	434842	5374270	700	0.18	0.18	1.00	0.87	0.16
87-3	434843	5374283	756	0.60	0.60	1.46	1.26	0.76
87-4	434740	5374286	750	4.66	4.66	1.00	0.87	4.04
87-5	434735	5374280	720	0.79	0.79	1.36	1.18	0.93
87-6	434645	5374265	707	2.67	2.67	1.00	0.91	2.42
87-10	434416	5374287	757	1.17	1.17	1.00	0.98	1.15
87-11	434435	5374267	723	3.02	3.02	1.00	0.98	2.97
87-12	434545	5374275	757	0.04	0.04	1.00	0.82	0.03
87-21	434645	5374280	747	0.05	0.05	1.00	0.91	0.05
87-22	434542	5374265	713	0.87	0.87	1.20	1.16	1.00
88-14	434542	5374249	666	0.84	0.84	0.98	0.95	0.80
88-15	434543	5374233	635	0.51	0.51	2.99	2.71	1.37
88-16	434437	5374240	680	1.25	1.25	1.41	1.22	1.53
88-17	434482	5374245	680	0.49	0.49	1.14	0.99	0.48
88-18	434483	5374266	726	3.40	3.04	1.28	1.16	3.95
88-19	434408	5374265	712	0.27	0.27	1.84	1.81	0.49
98-1	434359	5374284	775	0.62	0.62	1.13	1.06	0.66

Discovery Zone E Vein Intercepts

Hole/Trench	Easting	Northing	Elevation	Au g/t	Au cut	Length	True W.	Au x TW
10-1	434531	5374280	698	0.04	0.04	1.524	1.52	0.06
10-4	434558	5374280	667	0.44	0.44	1.55	1.55	0.68
10-5	434540	5374331	710	0.14	0.14	1.28	0.54	0.08
10-6	434515	5374333	740	0.41	0.41	1.74	1.12	0.45
10-7	434580	5374275	660	0.08	0.08	1.43	1.38	0.11
10-9	434445	5374277	682	0.05	0.05	2.13	2.13	0.11
10-10	434408	5374265	700	1.41	1.41	1.52	1.47	2.07
82-6	434541	5374292	665	0.00	0.00	1.00	0.97	0.00
82-6A	434534	5374275	691	0.14	0.14	1.22	1.11	0.15
82-12N	434807	5374377	687	0.30	0.30	1.00	0.97	0.29
87-9	434441	5374342	757	0.62	0.62	1.00	1.00	0.62
87-10	434414	5374318	730	0.13	0.13	1.00	0.94	0.12
87-14	434549	5374355	755	2.89	1.68	0.84	0.84	2.43
87-15	434645	5374380	727	0.04	0.04	1.00	0.94	0.03
87-16	434543	5374380	779	4.18	4.18	1.00	1.00	4.18
87-17	434637	5374396	761	0.30	0.30	2.00	1.97	0.60
87-18	434748	5374385	715	0.09	0.09	1.00	1.00	0.08
87-20	434749	5374403	755	0.05	0.05	1.00	0.98	0.04
88-15	434543	5374240	625	0.12	0.12	1.46	1.46	0.18
98-1	434359	5374318	738	1.06	1.06	0.66	0.66	0.70

Discovery Zone F Vein Intercepts

Hole/Trench	Easting	Northing	Elevation	Au g/t	Au cut	Length	True W.	Au x TW
09-5	434543	5374394	772	0.111	0.111	1.83	0.63	0.07
10-1	434526	5374350	643	0.004	0.004	1.52	1.52	0.01
10-5	434540	5374325	630	0.246	0.246	1.74	0.59	0.15
10-6	434513	5374330	615	<0.05	<0.05	0.82	0.41	0.02
10-9	434434	5374342	637	0.10	0.10	1.52	1.47	0.14
11-4	434615	5374248	563	0.62	0.62	1.01	0.91	0.57
82-6	434540	5374318	612	3.26	1.99	1.52	1.25	4.07
82-6A	434506	5374308	585	0.07	0.07	1.65	1.35	0.09
87-9	434441	5374372	735	1.67	1.67	1.00	0.97	1.61
87-10	434412	5374327	723	0.41	0.41	1.00	1.00	0.40
87-13	434430	5374393	759	0.19	0.19	1.00	0.98	0.18
87-14	434549	5374375	733	1.13	1.13	1.00	0.97	1.09
87-16	434543	5374394	765	0.23	0.23	1.00	0.97	0.22
87-17	434637	5374437	731	0.040	0.040	2.00	1.97	0.08
87-18	434749	5374403	704	0.149	0.149	1.50	1.49	0.22
88-15	434543	5374240	625	0.08	0.08	1.59	1.44	0.11
98-1	434359	5374336	721	0.620	0.620	2.27	2.24	1.39

Discovery West Zone C Vein Intercepts

Hole/Trench	Easting	Northing	Elevation	Au g/t	Au cut	Length	True W.	Au x TW
89-23	433843	5374268	769	0.006	0.006	1.44	1.43	0.01
89-24	433897	5374302	747	24.457	24.457	1.11	1.11	27.04
04-1V	433894	5374223	692	0.008	0.008	3.00	2.99	0.02
599322	433855	5374275	775	100.08	100.08	0.50	0.50	50.04

Discovery West Zone B Vein Intercepts

Hole/Trench	Easting	Northing	Elevation	Au g/t	Au cut	Length	True W.	Au x TW
89-22	433957	5374290	733	0.86	0.86	1.46	1.32	1.14
89-23	433843	5374301	732	1.13	1.13	1.49	1.29	1.46
89-24	433897	5374311	736	2.11	2.11	2.43	2.20	4.65
04-1V	433894	5374266	638	0.36	0.36	1.20	1.09	0.39

Discovery West Zone E Vein Intercepts

Hole/Trench	Easting	Northing	Elevation	Au g/t	Au cut	Length	True W.	Au x TW
89-22	433957	5374340	685	0.29	0.29	2.02	2.02	0.58
89-23	433843	5374351	675	0.04	0.04	1.52	1.52	0.06
89-24	433897	5374346	695	1.75	1.47	1.80	1.79	3.14
04-1V	433894	5374268	635	0.36	0.36	1.62	1.61	0.58

Log Dam Zone Intercepts

Hole/Trench	Easting	Northing	Elevation	Au g/t	Au cut	Length	True W.	Au x TW
09-1	433342	5374371	740	0.075	0.075	1.52	1.50	0.11
09-2	433407	5374395	735	0.383	0.383	3.05	2.64	1.01
09-3	433256	5374376	650	0.825	0.825	1.52	1.52	1.25
09-4	433218	5374383	660	0	0	1.52	1.52	0.00
599250	433455	5374401	750	32.02	32.02	0.40	0.40	12.81
599319	433225	5374445	720	2.13	2.13	0.30	0.30	0.64

BN and Braiteach Northern Zone Intercepts

Hole/Trench	Easting	Northing	Elevation	Au g/t	Au cut	Length	True W.	Au x TW
87-23	430574	5375333	404	0.883	0.525	7.00	4.95	4.37
87-24	430508	5375373	364	1.566	1.247	3.00	2.12	3.32
88-4	430204	5375419	458	0.352	0.352	5.00	3.83	1.35
88-5	430204	5375429	444	0.506	0.506	6.00	3.44	1.74
99-1	431185	5375183	541	0.554	0.554	10.64	6.10	3.38

BN and Braiteach Southern Zone Intercepts

Hole/Trench	Easting	Northing	Elevation	Au g/t	Au cut	Length	True W.	Au x TW
11-1	430846	5374942	338	0.003	0.003	0.85	0.80	0.00
88-12	430791	5374933	348	4.572	4.572	3.00	1.72	7.86
9705	431553	5374700	652	5.93	5.93	4.50	4.50	26.69

Appendix 3

Mineral Resource Estimates

By Zone and Vein

Discovery C Vein Mineral Resource Estimate

Resource	Drill/Trench	Vein Dip	Area	True Area	Thickness	Volume	Density	Tonnes	Uncut	Uncut	Cut	Cut	Mean	1SD	M+2SD
Block ID	**Intercept ID**	**degrees**	**square m**	**square m**	**m (True)**	**cubic m**	**g/cc**	**tonnes**	**Au g/t**	**Au grams**	**Au g/t**	**Au grams**	**Au g/t**	**Au g/t**	**Au g/t**
C425	88-16	55	575	702	0.91	639	3.00	1916	3.49	6688	3.49	6688	11.58	46.31	104.20
C450	87-11	55	1000	1221	1.02	1245	3.00	3736	64.30	240197	27.13	101346			
C475	00-3	65	1000	1103	1.04	1148	3.00	3443	3.98	13701	3.98	13701			
C500A	94-C	65	219	241	0.12	29	3.00	87	11.72	1018	11.72	1018			
C500B	82-3	65	219	241	0.34	82	3.00	246	3.29	810	3.29	810			
C525	82-6A	70	563	599	0.39	233	3.00	700	3.29	2304	3.29	2304			
C550	82-6	70	1081	1150	0.95	1093	3.00	3279	125.54	411592	50.55	165732			
C575	88-15	60	2376	2744	0.72	1975	3.00	5926	7.77	46046	7.77	46046			
C600	10-8	65	1458	1609	0.69	1110	3.00	3330	13.05	43457	13.05	43457			
TTL/AVG		**63**			**0.85**	**7554**	**3.00**	**22663**	**33.79**	**765814**	**16.82**	**381103**			

Discovery B Vein Mineral Resource Estimate

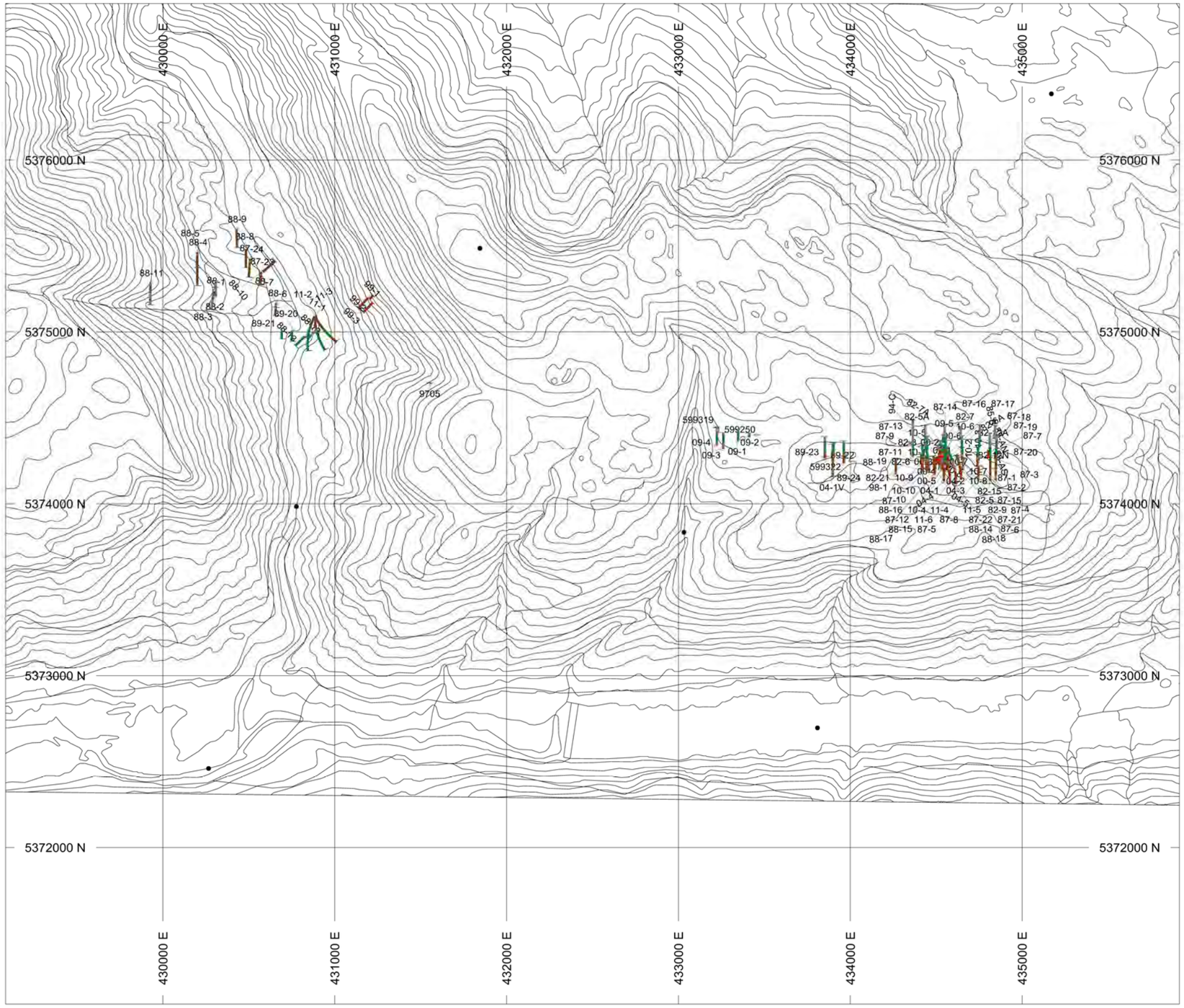
Resource	Drill/Trench	Vein Dip	Area	True Area	Thickness	Volume	Density	Tonnes	Uncut	Uncut	Cut	Cut	Mean	1SD	M+2SD
Block ID	**Intercept ID**	**degrees**	**square m**	**square m**	**m (True)**	**cubic m**	**g/cc**	**tonnes**	**Au g/t**	**Au grams**	**Au g/t**	**Au grams**	**Au g/t**	**Au g/t**	**Au g/t**
B425	87-11	70	1225	1304	0.98	1278	3.00	3833	3.02	11575	3.02	11575	1.8	2.77	7.35
B475	88-18	65	2500	2758	1.16	3200	3.00	9599	3.40	32638	3.04	29182			
B525	10-3	55	875	1068	0.94	1004	3.00	3012	6.00	18074	3.83	11537			
B750	87-4	75	4400	4555	0.87	3963	3.00	11889	4.66	55403	4.66	55403			
B800	82-15	70	3025	3219	0.39	1255	3.00	3766	3.36	12655	3.36	12655			
TTL/AVG		**67**			**0.92**	**10700**	**3.00**	**32100**	**4.06**	**130344**	**3.75**	**120352**			

Discovery E Vein Mineral Resource Estimate

Resource	Drill/Trench	Vein Dip	Area	True Area	Thickness	Volume	Density	Tonnes	Uncut	Uncut	Cut	Cut	Mean	1SD	M+2SD
Block ID	Intercept ID	degrees	square m	square m	m (True)	cubic m	g/cc	tonnes	Au g/t	Au grams	Au g/t	Au grams	Au g/t	Au g/t	Au g/t
E525	87-16	45	2000	2828	1.00	2828	3.00	8485	4.18	35468	4.18	35468	1.30	2.15	5.59
TTL/AVG		**45**			**1.00**	**2828**	**3.00**	**8485**	**4.18**	**35468**	**4.18**	**35468**			

Discovery West C Vein Mineral Resource Estimate

Resource	Drill/Trench	Vein Dip	Area	True Area	Thickness	Volume	Density	Tonnes	Uncut	Uncut	Cut	Cut	Mean	1SD	M+2SD	
Block ID	**Intercept ID**	**degrees**	**square m**	**square m**	**m (True)**	**cubic m**	**g/cc**	**tonnes**	**Au g/t**	**Au grams**	**Au g/t**	**Au grams**	**Au g/t**	**Au g/t**	**Au g/t**	
C875	599322	35	675	1177	0.50	588	3.00	1765	100.08	176665	100.08	176665	12.42	47.89	108.20	
C900	89-24	35	1800	3138	1.11	3483	3.00	10450	24.46	255612	24.46	255612	(stats from Discovery Zone C Vein)			
TTL/AVG		**35**			**1.02**	**4072**	**3.00**	**12215**	**35.39**	**432278**	**35.39**	**432278**				



HOLES PLOTTED

TOTAL 107

00-1	00-2	00-3	00-4	00-5	00-6	00-7	00-8
04-1	04-1V	04-2	04-3	04-4	04-5	09-1	09-2
09-3	09-4	09-5	10-1	10-10	10-2	10-3	10-4
10-5	10-6	10-7	10-8	10-9	11-1	11-2	11-3
11-4	11-5	11-6	599250	599319	599322	82-12A	82-12N
82-15	82-21	82-3	82-5	82-5A	82-6	82-6A	82-7
82-7A	82-9	85-AN	85-AS	85-B	87-1	87-10	87-11
87-12	87-13	87-14	87-15	87-16	87-17	87-18	87-19
87-2	87-20	87-21	87-22	87-23	87-24	87-3	87-4
87-5	87-6	87-7	87-8	87-9	88-1	88-10	88-11
88-12	88-13	88-14	88-15	88-16	88-17	88-18	88-19
88-2	88-3	88-4	88-5	88-6	88-7	88-8	88-9
89-20	89-21	89-22	89-23	89-24	94-C	9705	98-1
99-1	99-2	99-3					

ROCK CODES	PAT	LABEL
Rock_Code		metapelite
		metasandstone
		amphibolite
		quartz diorite
		quartz vein

PLAN SPECS:

REF. PT. E, N	432500 m	5374000 m
EXTENTS	6830 m	5823 m

Figure 1

SCALE 1 : 25000

(m)

-200 0 200 400 600 800 1000 1200

NAD83 / UTM zone 10N

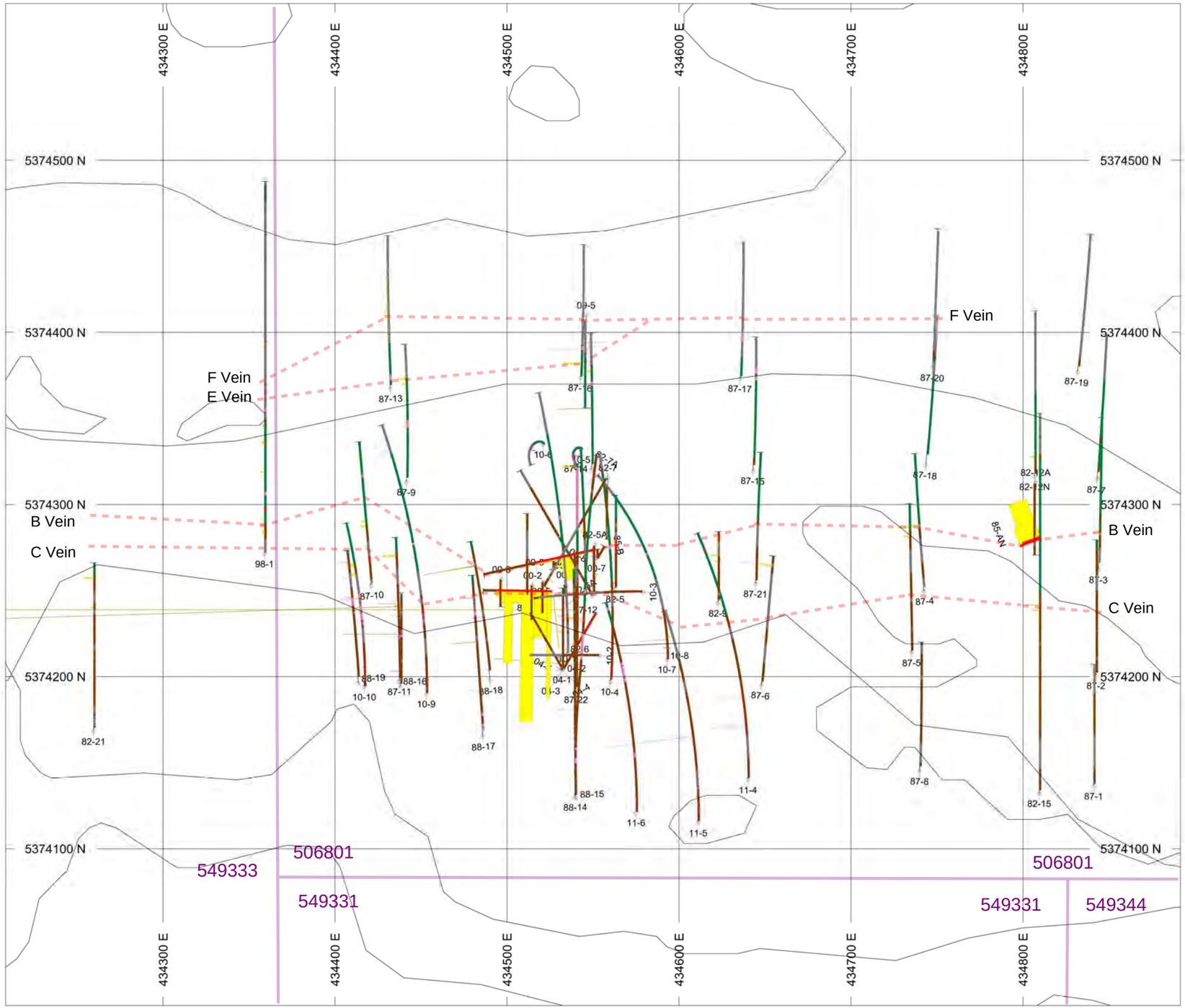
N W E S

Mill Bay Ventures Inc.

Valentine Mountain Property

1982-2011 Drilling

Discovery Zone to Braiteach/BN Zone



HOLES PLOTTED

TOTAL 72

00-1	00-2	00-3	00-4	00-5	00-6
00-7	00-8	04-1	04-2	04-3	04-4
04-5	09-5	10-1	10-10	10-2	10-3
10-4	10-5	10-6	10-7	10-8	10-9
11-4	11-5	11-6	82-12A	82-12N	82-15
82-21	82-3	82-5	82-5A	82-6	82-6A
82-7	82-7A	82-9	85-AN	85-AS	85-B
87-1	87-10	87-11	87-12	87-13	87-14
87-15	87-16	87-17	87-18	87-19	87-2
87-20	87-21	87-22	87-3	87-4	87-5
87-6	87-7	87-8	87-9	88-14	88-15
88-16	88-17	88-18	88-19	94-C	98-1

Cell Mineral Claim Boundaries — 560801, 549331

Vein Intercepts Projected to Surface

BAR GRAPHS	L/R	COL
Au	R	
As	R	

ROCK CODES Rock_Code	PAT	LABEL
		metapelite
		metasandstone
		amphibolite
		quartz diorite
		quartz vein

PLAN SPECS:

REF. PT. E, N	434600 m	5374000 m
EXTENTS	683 m	582.3 m

Figure 2

SCALE 1 : 2500

(m)

-20 0 20 40 60 80 100 120

NAD83 / UTM zone 10N

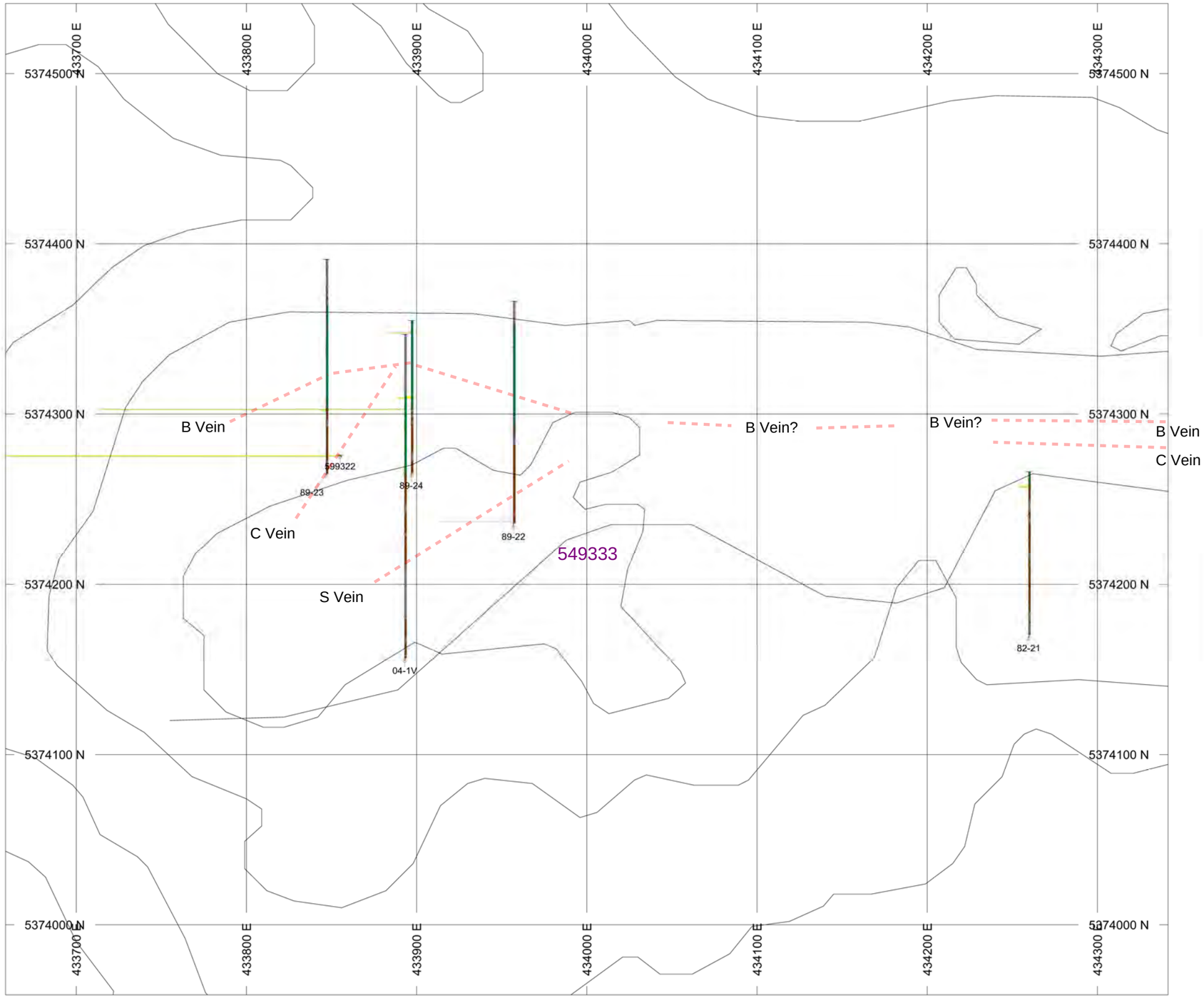
N W E S

Mill Bay Ventures Inc.

Valentine Mountain Property

1982-2011 Drilling and Trenching

Discovery Zone



HOLES PLOTTED

TOTAL 6

04-1V 599322 82-21 89-22 89-23
89-24

Cell Mineral Claim 549333

Vein Intercepts Projected to Surface

BAR GRAPHS	L/R	COL
Au	R	
As	R	

ROCK CODES Rock_Code	PAT	LABEL
		metapelite
		metasandstone
		amphibolite
		quartz diorite
		quartz vein

PLAN SPECS:

REF. PT. E, N	434000 m	5374000 m
EXTENTS	683 m	582.3 m

Figure 3

SCALE 1 : 2500

(m)

-20 0 20 40 60 80 100 120

NAD83 / UTM zone 10N

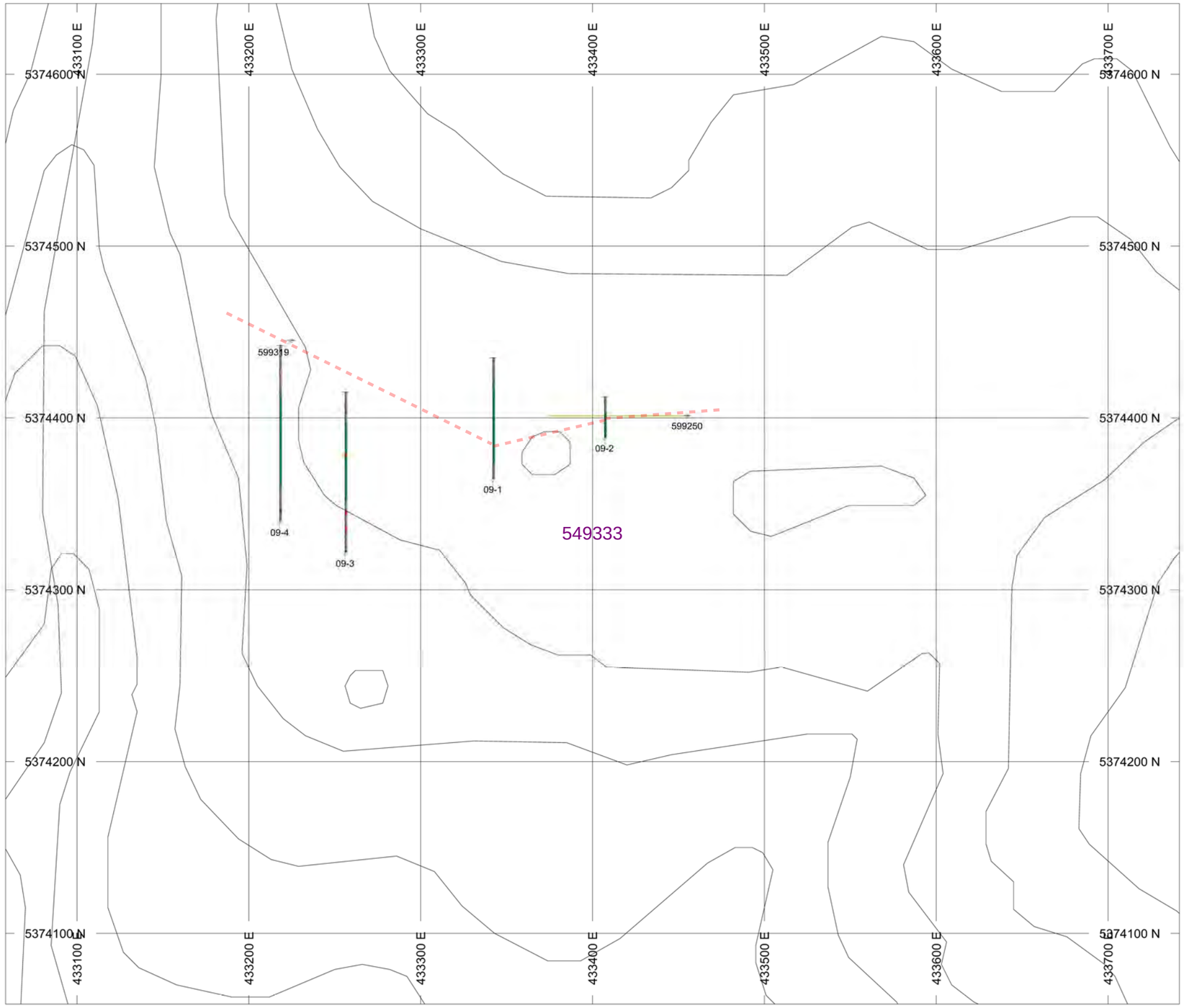
N W E S

Mill Bay Ventures Inc.

Valentine Mountain Property

1989-2004 Drilling and Trenching

Discovery West Zone



HOLES PLOTTED

TOTAL 6

09-1 09-2 09-3 09-4 599250
599319

Cell Mineral Claim 549333

Intercepts Projected to Surface

BAR GRAPHS	L/R	COL
Au	R	
As	R	

ROCK CODES Rock_Code	PAT	LABEL
		metapelite
		metasandstone
		amphibolite
		quartz diorite
		quartz vein

PLAN SPECS:

REF. PT. E, N	433400 m	5374000 m
EXTENTS	683 m	582.3 m

Figure 4

SCALE 1 : 2500

(m)

-20 0 20 40 60 80 100 120

NAD83 / UTM zone 10N

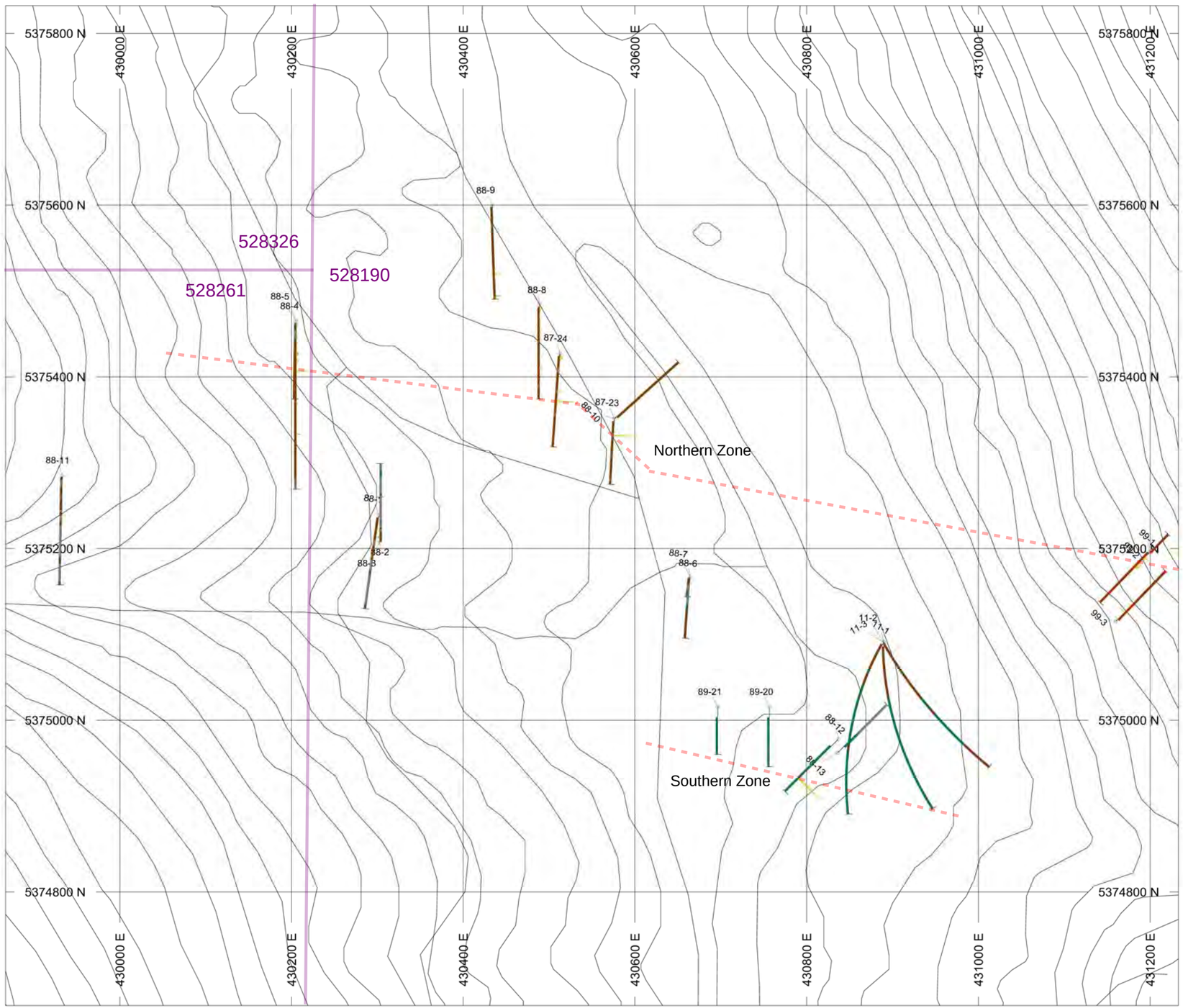
N W E S

Mill Bay Ventures Inc.

Valentine Mountain Property

2001-2009 Drilling and Trenching

Log Dam Zone



HOLES PLOTTED

TOTAL 23

11-1	11-2	11-3	87-23	87-24	88-1
88-10	88-11	88-12	88-13	88-2	88-3
88-4	88-5	88-6	88-7	88-8	88-9
89-20	89-21	99-1	99-2	99-3	

Vein Intercepts Projected to Surface

Cell Mineral Claim Boundaries 528326 528261

BAR GRAPHS	L/R	COL
Au	R	
As	R	

ROCK CODES Rock_Code	PAT	LABEL
		metapelite
		metasandstone
		amphibolite
		quartz diorite
		quartz vein

PLAN SPECS:

REF. PT. E, N	430600 m	5375000 m
EXTENTS	1366 m	1165 m

Figure 5

SCALE 1 : 5000

(m)

-50 0 50 100 150 200

NAD83 / UTM zone 10N

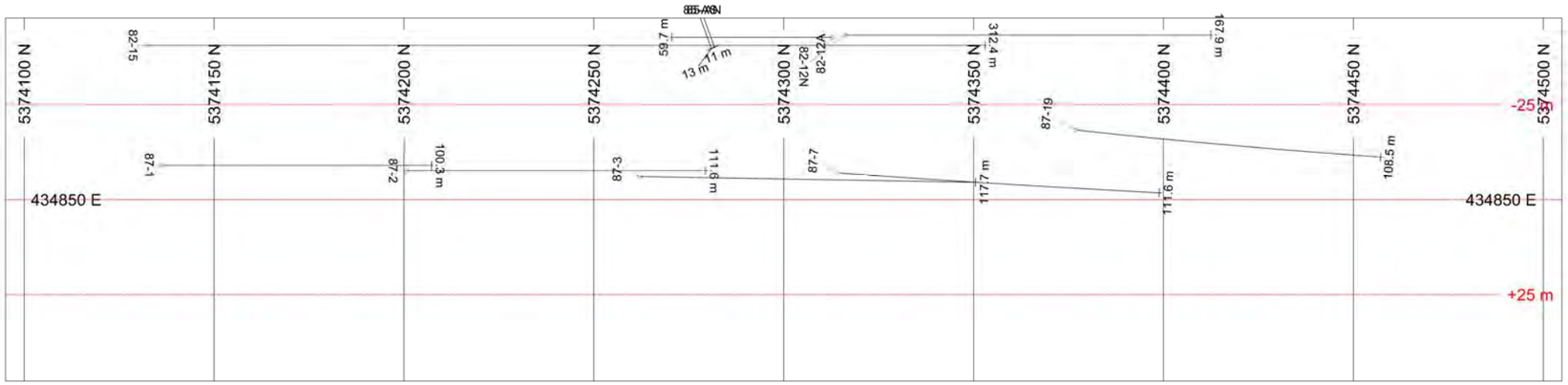
N W E S

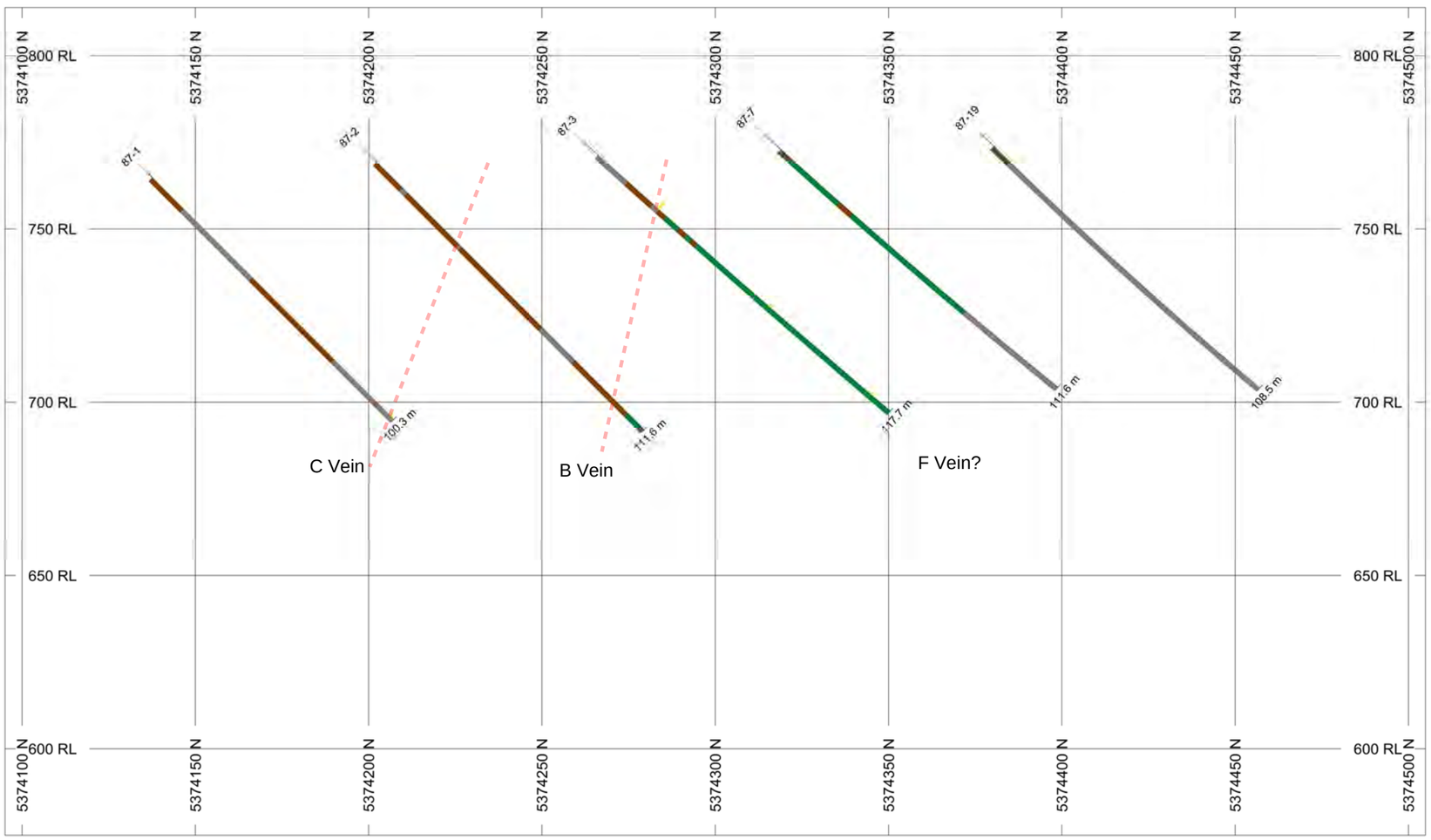
Mill Bay Ventures Inc.

Valentine Mountain Property

1982-2011 Drilling

Braiteach/BN Zone





HOLES PLOTTED

TOTAL 5

87-1 87-19 87-2 87-3 87-7

BAR GRAPHS	L/R	COL
Au	R	
As	R	

ROCK CODES	PAT	LABEL
Rock_Code		metapelite
		metasandstone
		amphibolite
		quartz vein

SECTION SPECS:

REF. PT. E, N	434850 m	5374300 m
EXTENTS	409.8 m	238.8 m
SECTION TOP, BOT	813.9 m	575.1 m
TOLERANCE +/-	25 m	

Figure 6

SCALE 1 : 1500

(m)

-20 0 20 40 60

NAD83 / UTM zone 10N

AZIMUTH = 0°

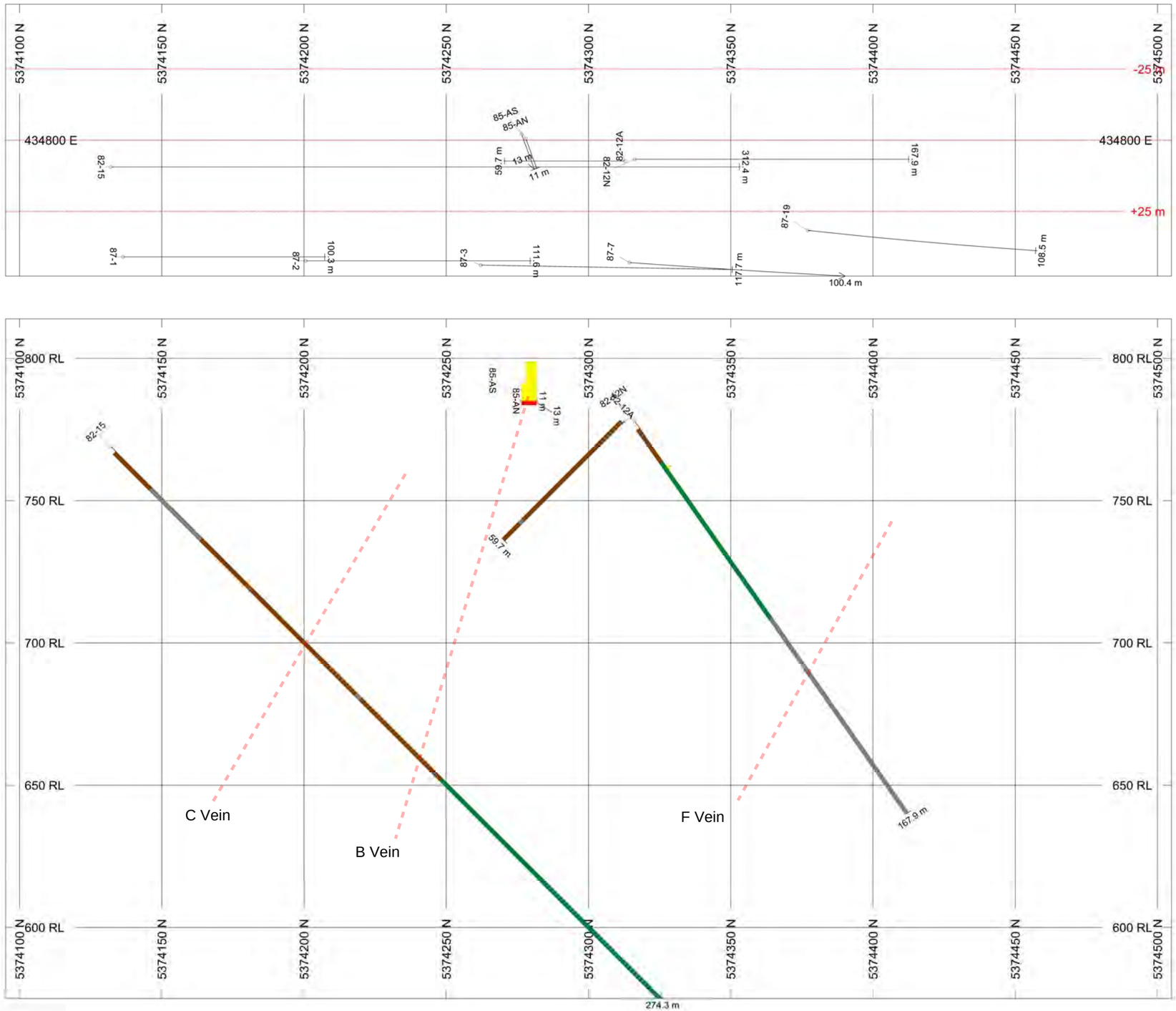
N W E S

Mill Bay Ventures Inc.

Valentine Mountain Property

Discovery Zone

Section 434850 East



HOLES PLOTTED

TOTAL 5

82-12A 82-12N 82-15 85-AN 85-AS

BAR GRAPHS	L/R	COL
Au	R	
As	R	

ROCK CODES	PAT	LABEL
Rock_Code		metapelite
		metasandstone
		amphibolite
		quartz vein

SECTION SPECS:

REF. PT. E, N	434800 m	5374300 m
EXTENTS	409.8 m	238.8 m
SECTION TOP, BOT	813.9 m	575.1 m
TOLERANCE +/-	25 m	

Figure 7

SCALE 1 : 1500

(m)

-20 0 20 40 60

NAD83 / UTM zone 10N

AZIMUTH = 0°

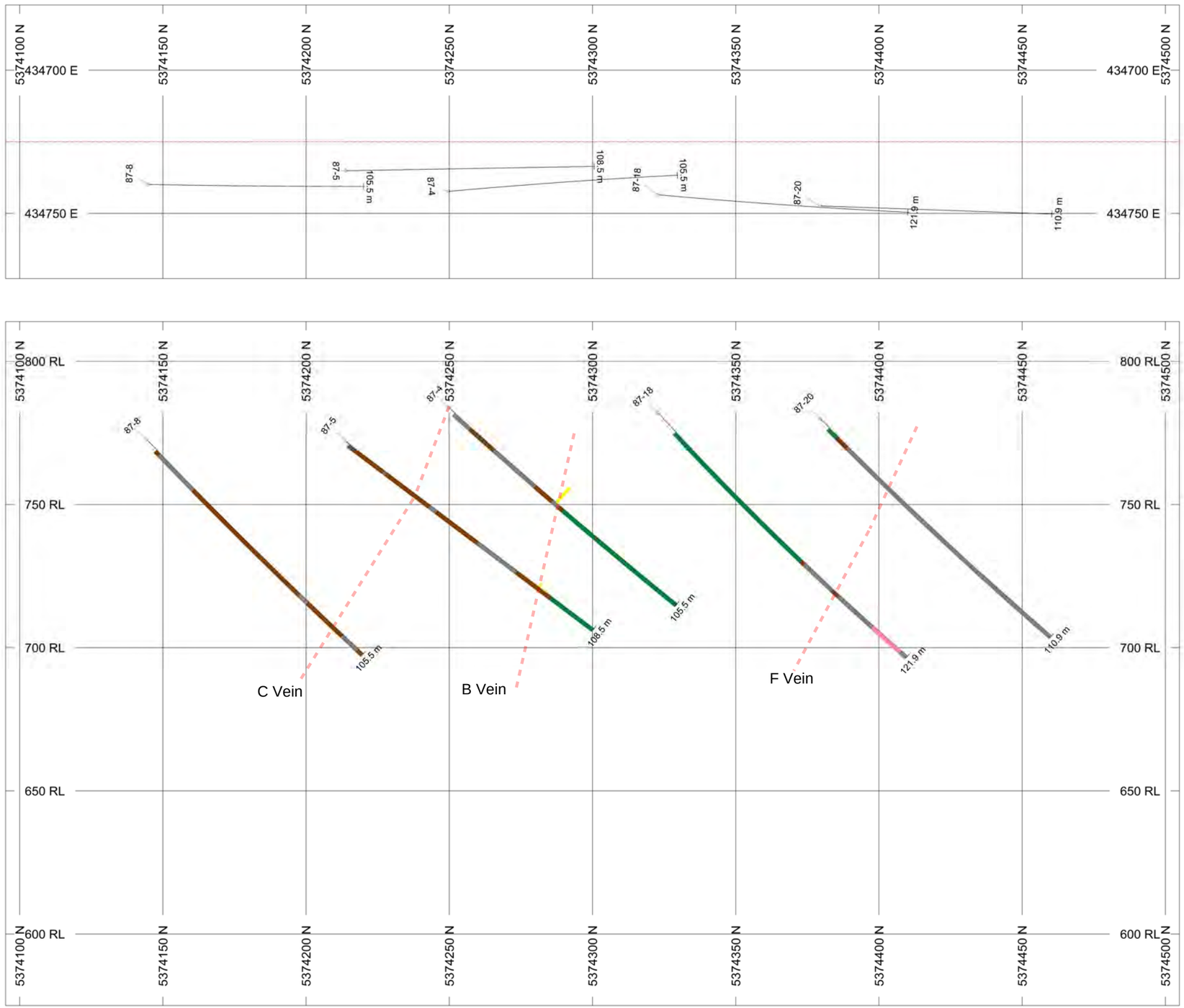
N W E S

Mill Bay Ventures Inc.

Valentine Mountain Property

Discovery Zone

Section 434800 East



HOLES PLOTTED

TOTAL 5

87-18 87-20 87-4 87-5 87-8

BAR GRAPHS	L/R	COL
Au	R	
As	R	

ROCK CODES	PAT	LABEL
Rock_Code		metapelite
		metasandstone
		amphibolite
		quartz diorite
		quartz vein

SECTION SPECS:

REF. PT. E, N	434725 m	5374300 m
EXTENTS	409.8 m	238.8 m
SECTION TOP, BOT	813.9 m	575.1 m
TOLERANCE +/-	50 m	

Figure 8

SCALE 1 : 1500

(m)

-20 0 20 40 60

NAD83 / UTM zone 10N

AZIMUTH = 0°

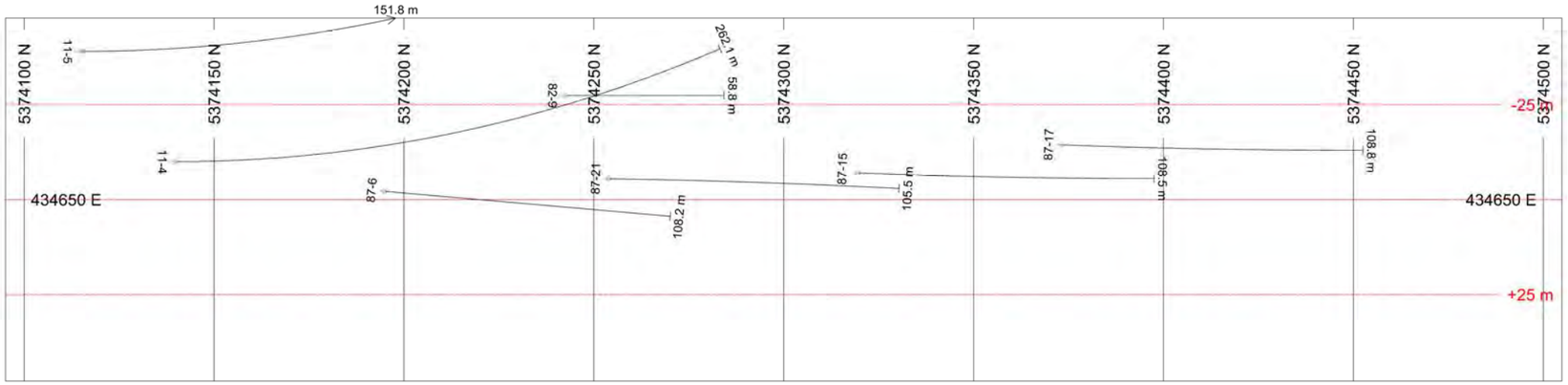
N W E S

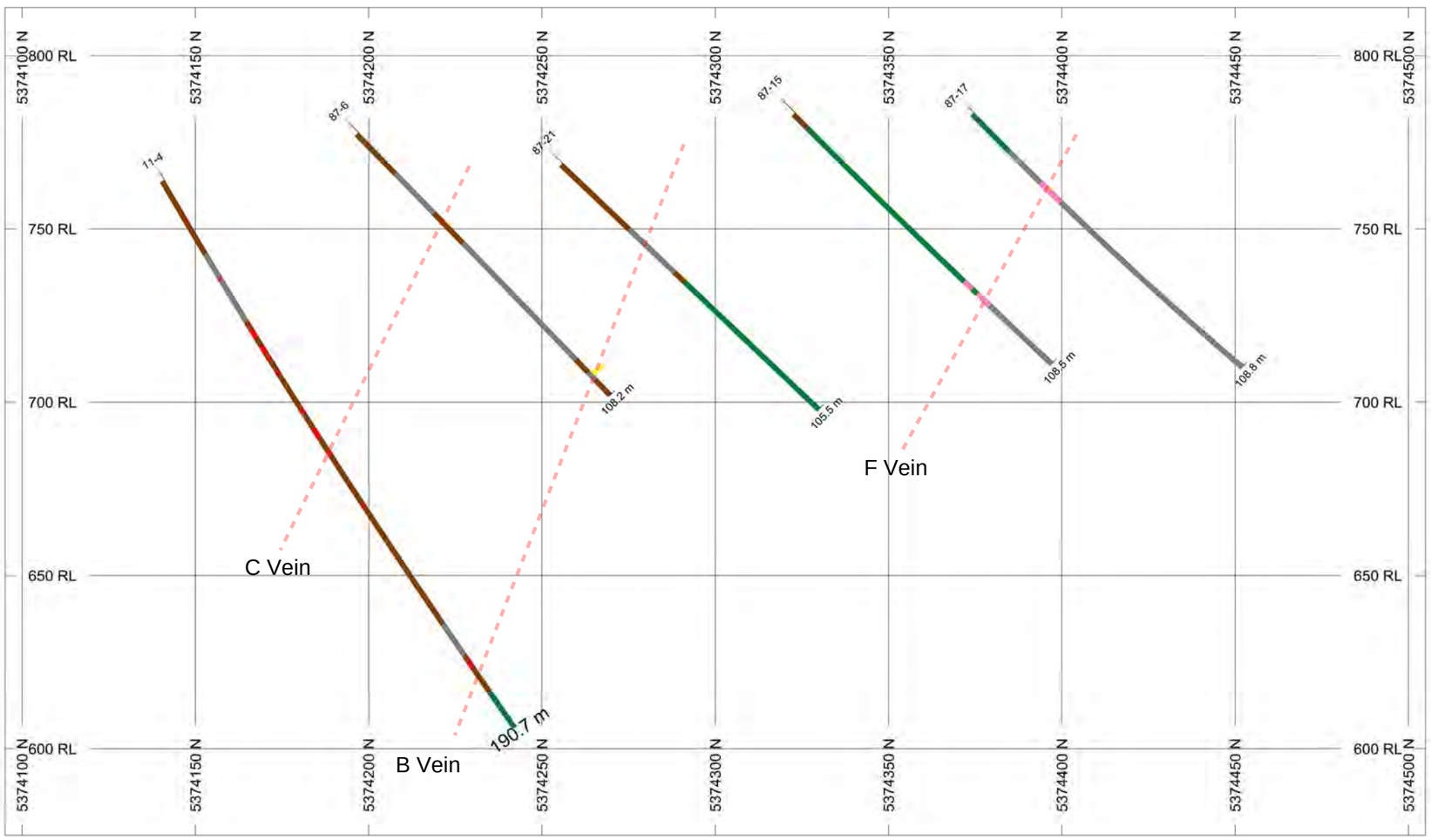
Mill Bay Ventures Inc.

Valentine Mountain Property

Discovery Zone

Section 434725 East





HOLES PLOTTED

TOTAL 5

11-4 87-15 87-17 87-21 87-6

BAR GRAPHS	L/R	COL
Au	R	
As	R	

ROCK CODES	PAT	LABEL
Rock_Code		metapelite
		metasandstone
		amphibolite
		quartz diorite
		quartz vein

SECTION SPECS:

REF. PT. E, N	434650 m	5374300 m
EXTENTS	409.8 m	238.8 m
SECTION TOP, BOT	813.9 m	575.1 m
TOLERANCE +/-	25 m	

Figure 9

SCALE 1 : 1500

(m)

-20 0 20 40 60

NAD83 / UTM zone 10N

AZIMUTH = 0°

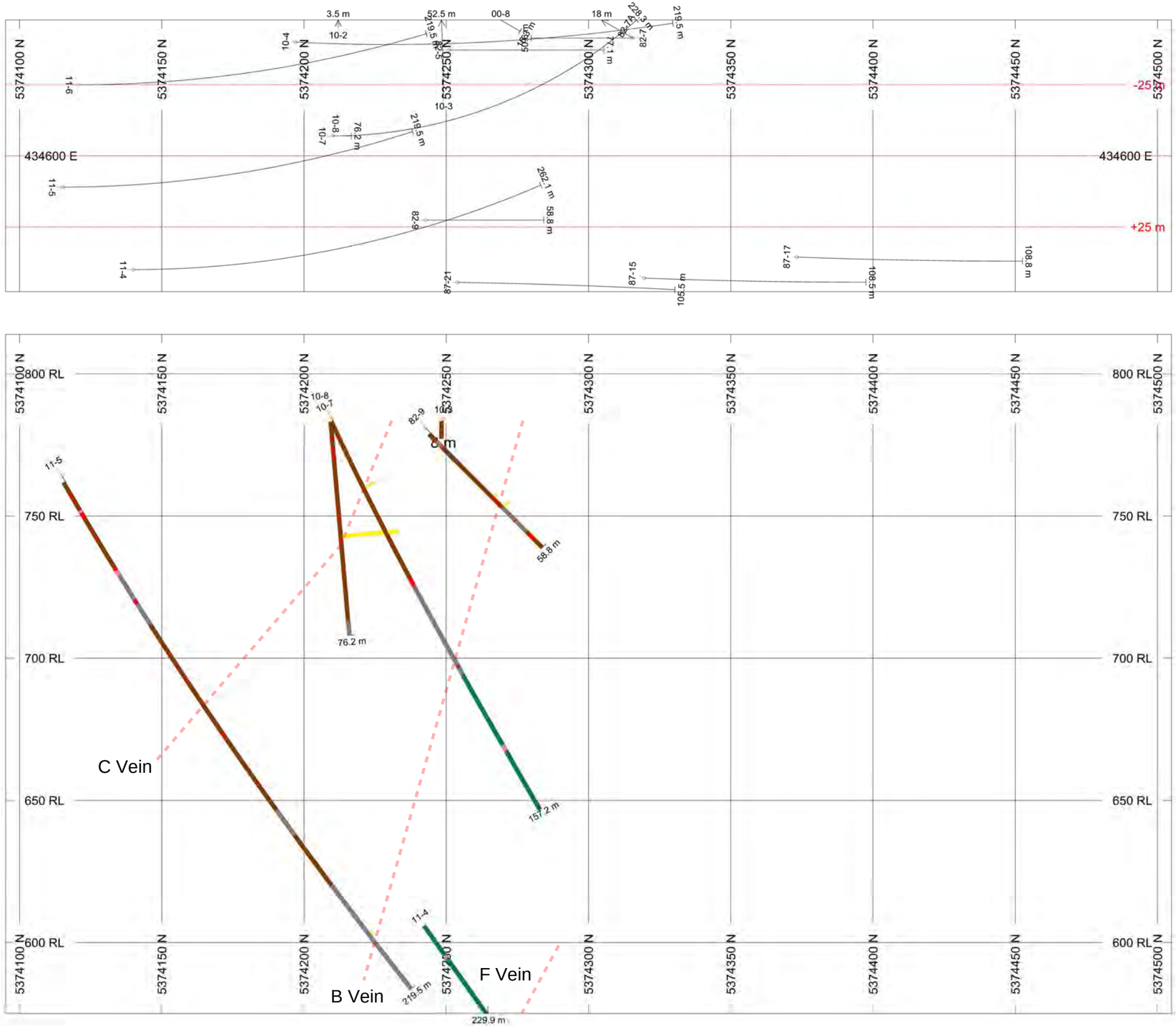
N W E S

Mill Bay Ventures Inc.

Valentine Mountain Property

Discovery Zone

Section 434650 East



HOLES PLOTTED

TOTAL 6

10-3 10-7 10-8 11-4 11-5 82-9

BAR GRAPHS	L/R	COL
Au	R	
As	R	

ROCK CODES	PAT	LABEL
Rock_Code		metapelite
		metasandstone
		amphibolite
		quartz diorite
		quartz vein

SECTION SPECS:

REF. PT. E, N	434600 m	5374300 m
EXTENTS	409.8 m	238.8 m
SECTION TOP, BOT	813.9 m	575.1 m
TOLERANCE +/-	25 m	

Figure 10

SCALE 1 : 1500

(m)

-20 0 20 40 60

NAD83 / UTM zone 10N

AZIMUTH = 0°

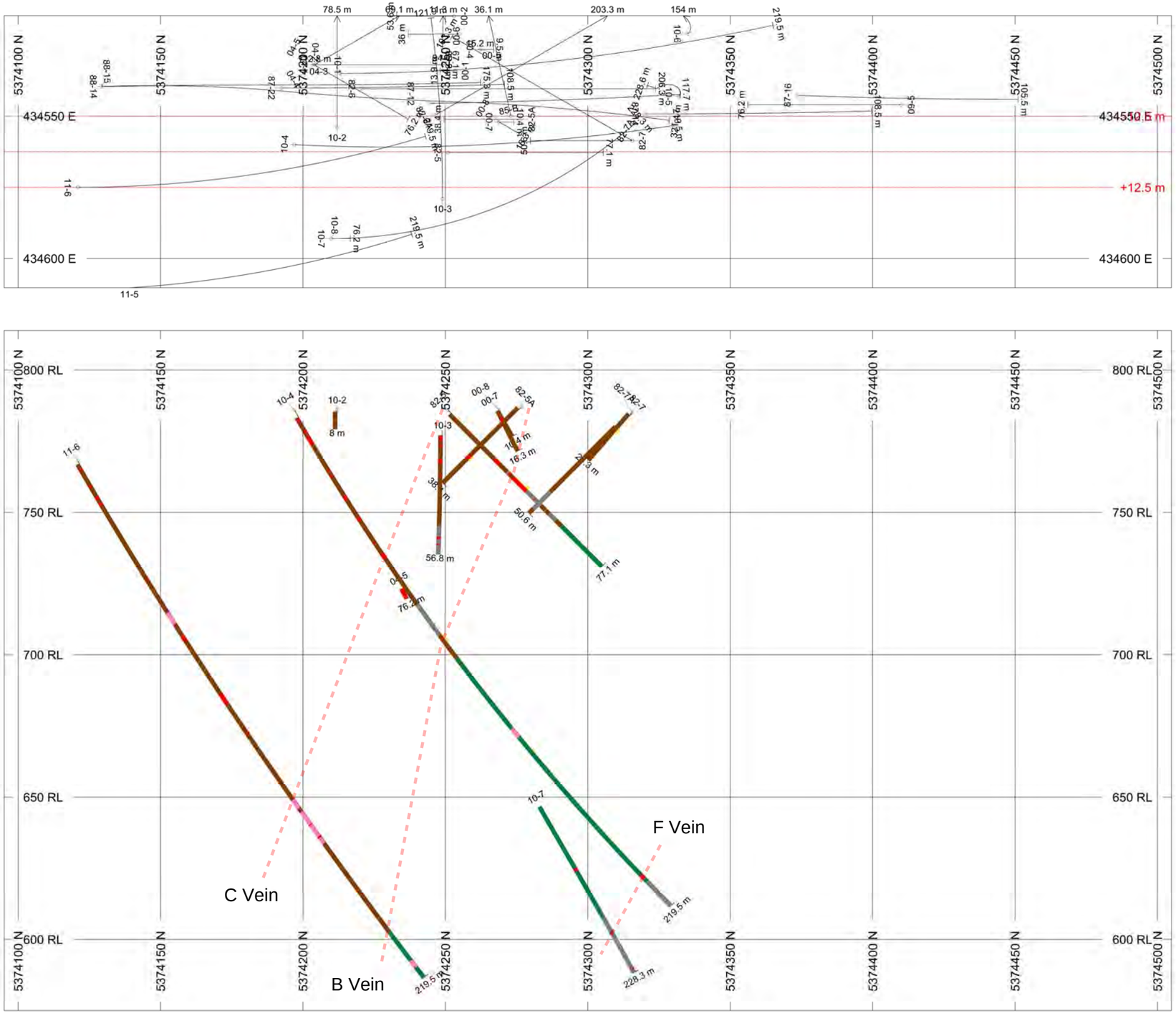
N W E S

Mill Bay Ventures Inc.

Valentine Mountain Property

Discovery Zone

Section 434600 East



HOLES PLOTTED

TOTAL 12

00-7	00-8	04-5	10-2	10-3	10-4
10-7	11-6	82-5	82-5A	82-7	82-7A

BAR GRAPHS	L/R	COL
Au	R	
As	R	

ROCK CODES	PAT	LABEL
Rock_Code		metapelite
		metasandstone
		amphibolite
		quartz diorite
		quartz vein

SECTION SPECS:

REF. PT. E, N	434563 m	5374300 m
EXTENTS	409.8 m	238.8 m
SECTION TOP, BOT	813.9 m	575.1 m
TOLERANCE +/-	12.5 m	

Figure 11

SCALE 1 : 1500

(m)

-20 0 20 40 60

NAD83 / UTM zone 10N

AZIMUTH = 0°

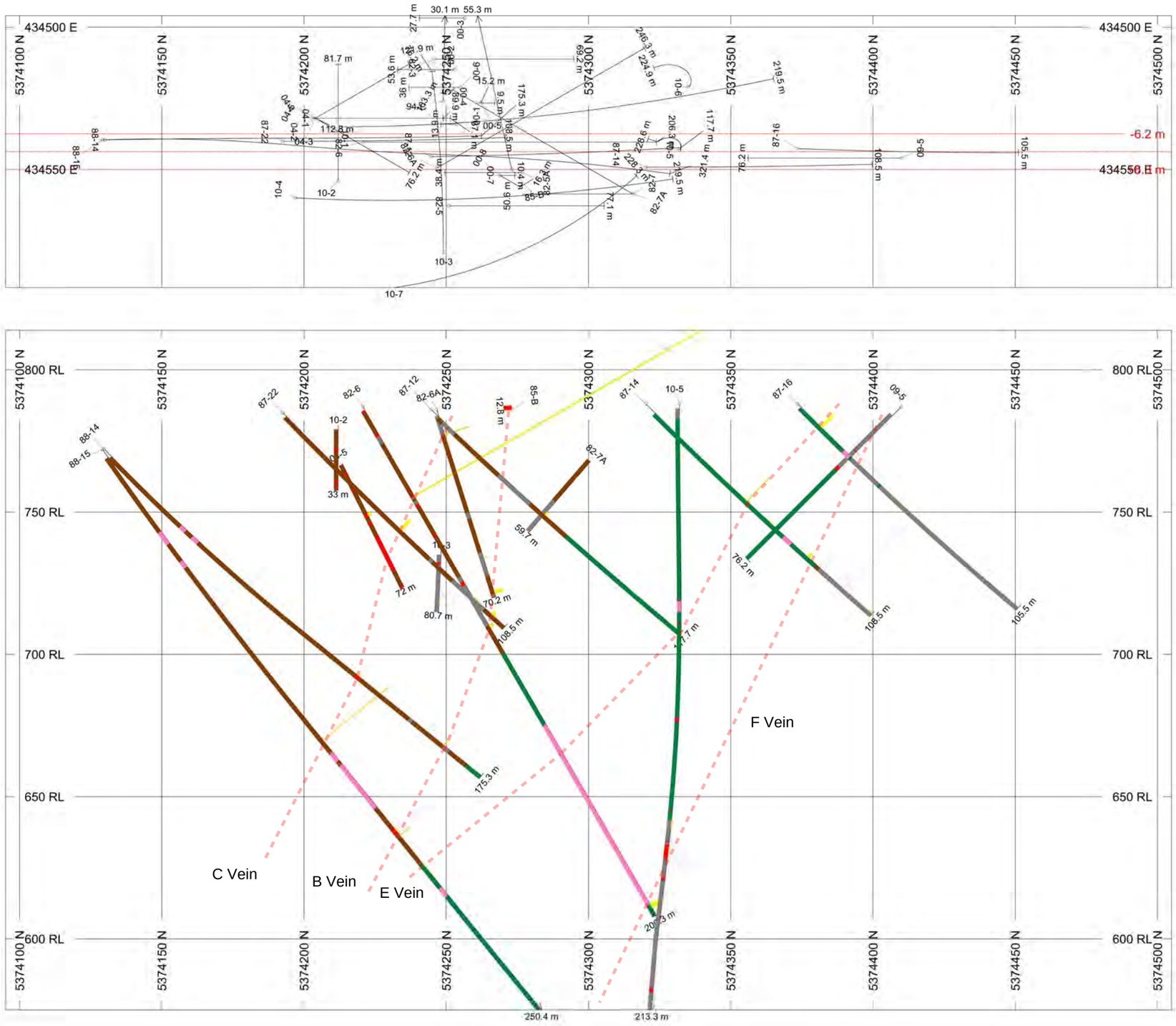
N W E S

Mill Bay Ventures Inc.

Valentine Mountain Property

Discovery Zone

Section 434562.5 East



HOLES PLOTTED

TOTAL 15

04-5	09-5	10-2	10-3	10-5	82-6
82-6A	82-7A	85-B	87-12	87-14	87-16
87-22	88-14	88-15			

BAR GRAPHS	L/R	COL
Au	R	
As	R	

ROCK CODES	PAT	LABEL
Rock_Code		metapelite
		metasandstone
		amphibolite
		quartz diorite
		quartz vein

SECTION SPECS:

REF. PT. E, N	434544 m	5374300 m
EXTENTS	409.8 m	238.8 m
SECTION TOP, BOT	813.9 m	575.1 m
TOLERANCE +/-	6.25 m	

Figure 12

SCALE 1 : 1500

(m)

-20 0 20 40 60

NAD83 / UTM zone 10N

AZIMUTH = 0°

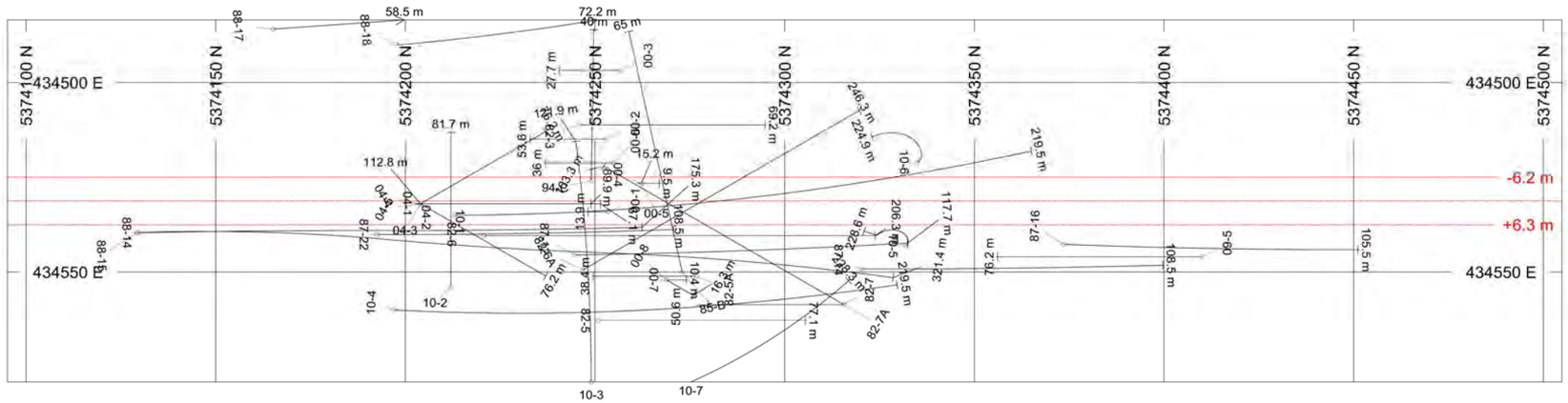
N W E S

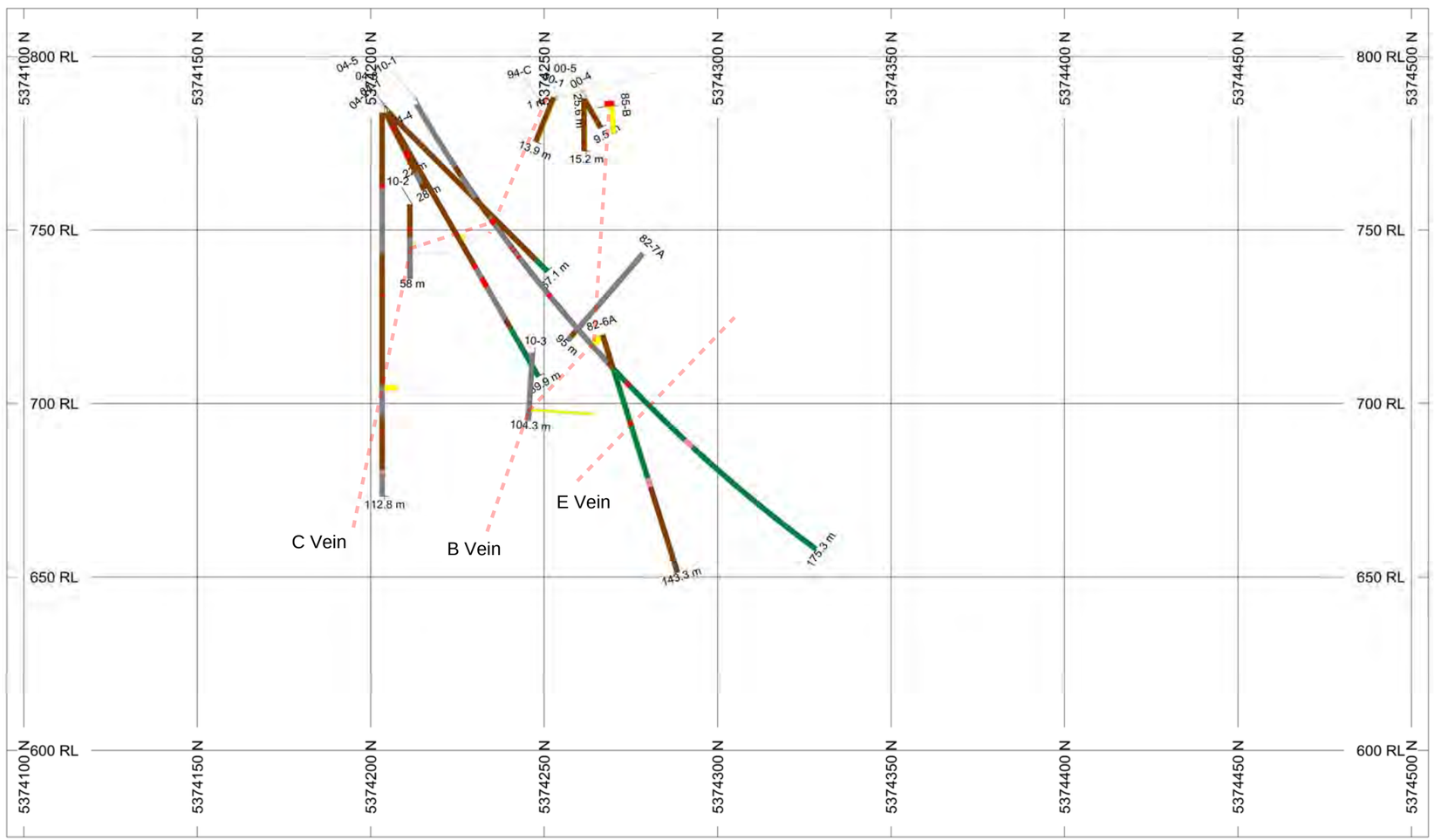
Mill Bay Ventures Inc.

Valentine Mountain Property

Discovery Zone

Section 434543.75 East





HOLES PLOTTED

TOTAL 15

00-1	00-4	00-5	04-1	04-2	04-3
04-4	04-5	10-1	10-2	10-3	82-6A
82-7A	85-B	94-C			

BAR GRAPHS	L/R	COL
Au	R	
As	R	

ROCK CODES	PAT	LABEL
Rock_Code		metapelite
		metasandstone
		amphibolite
		quartz diorite
		quartz vein

SECTION SPECS:

REF. PT. E, N	434531 m	5374300 m
EXTENTS	409.8 m	238.8 m
SECTION TOP, BOT	813.9 m	575.1 m
TOLERANCE +/-	6.25 m	

Figure 13

SCALE 1 : 1500

(m)

-20 0 20 40 60

NAD83 / UTM zone 10N

AZIMUTH = 0°

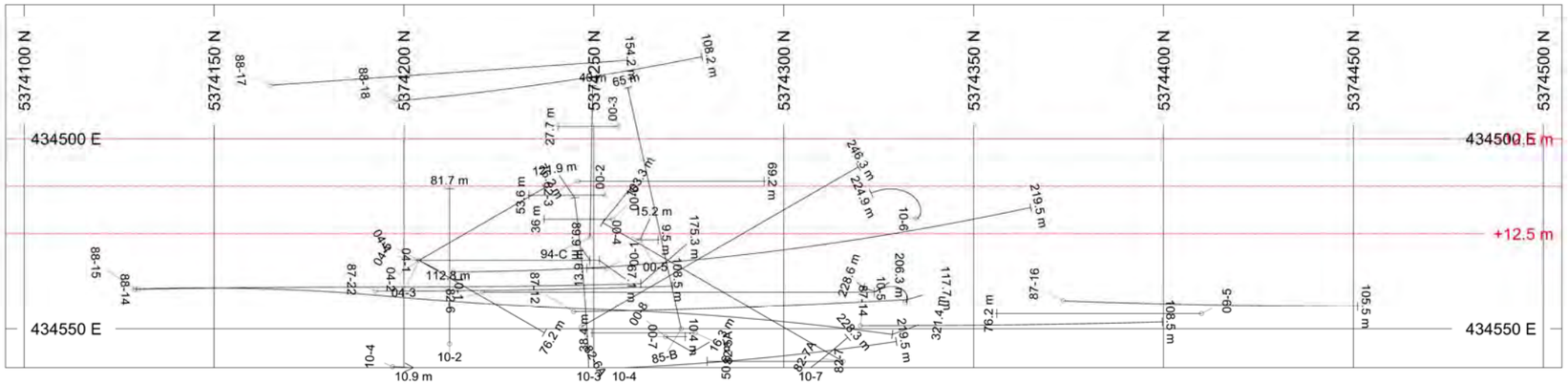
N W E S

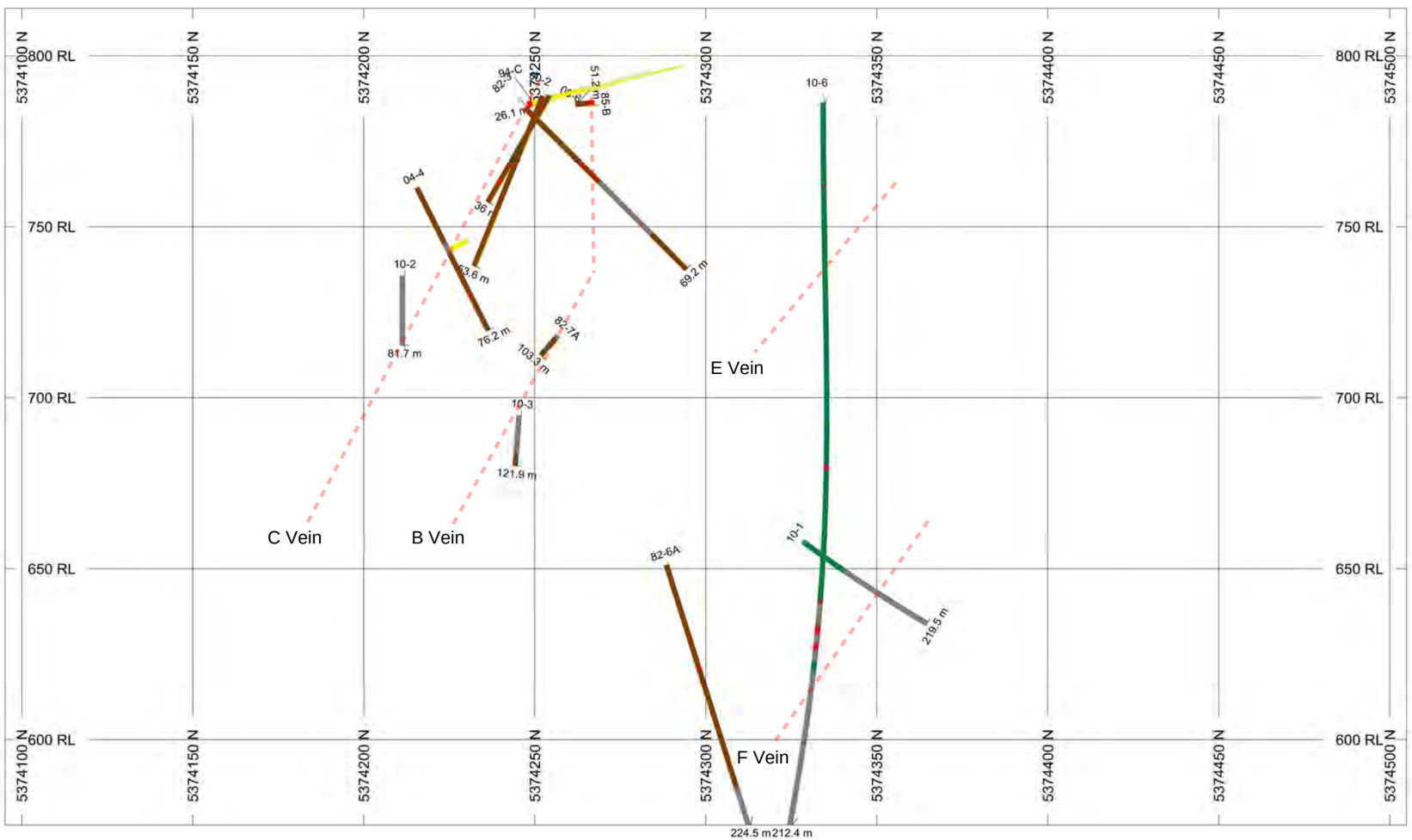
Mill Bay Ventures Inc.

Valentine Mountain Property

Discovery Zone

Section 434531.25 East





HOLES PLOTTED

TOTAL 12

00-2	00-6	04-4	10-1	10-2	10-3
10-6	82-3	82-6A	82-7A	85-B	94-C

BAR GRAPHS	L/R	COL
Au	R	
As	R	

ROCK CODES	PAT	LABEL
Rock_Code		metapelite
		metasandstone
		amphibolite
		quartz diorite
		quartz vein

SECTION SPECS:

REF. PT. E, N	434513 m	5374300 m
EXTENTS	409.8 m	238.8 m
SECTION TOP, BOT	813.9 m	575.1 m
TOLERANCE +/-	12.5 m	

Figure 14

SCALE 1 : 1500

(m)

-20 0 20 40 60

NAD83 / UTM zone 10N

AZIMUTH = 0°

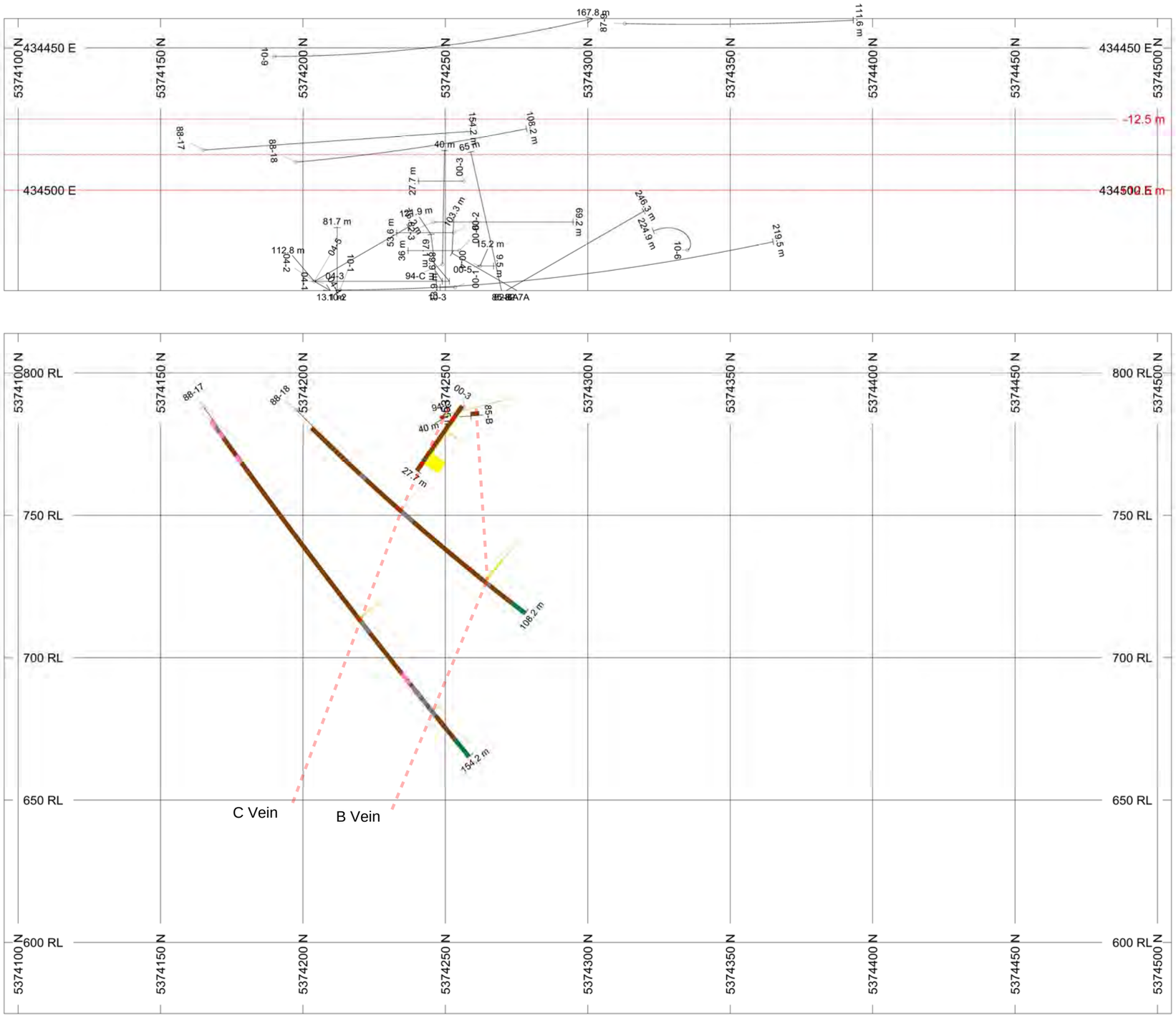
N W E S

Mill Bay Ventures Inc.

Valentine Mountain Property

Discovery Zone

Section 434512.5 East



HOLES PLOTTED

TOTAL 5

00-3 85-B 88-17 88-18 94-C

BAR GRAPHS	L/R	COL
Au	R	
As	R	

ROCK CODES	PAT	LABEL
Rock_Code		metapelite
		metasandstone
		amphibolite
		quartz diorite
		quartz vein

SECTION SPECS:

REF. PT. E, N	434488 m	5374300 m
EXTENTS	409.8 m	238.8 m
SECTION TOP, BOT	813.9 m	575.1 m
TOLERANCE +/-	12.5 m	

Figure 15

SCALE 1 : 1500

(m)

-20 0 20 40 60

NAD83 / UTM zone 10N

AZIMUTH = 0°

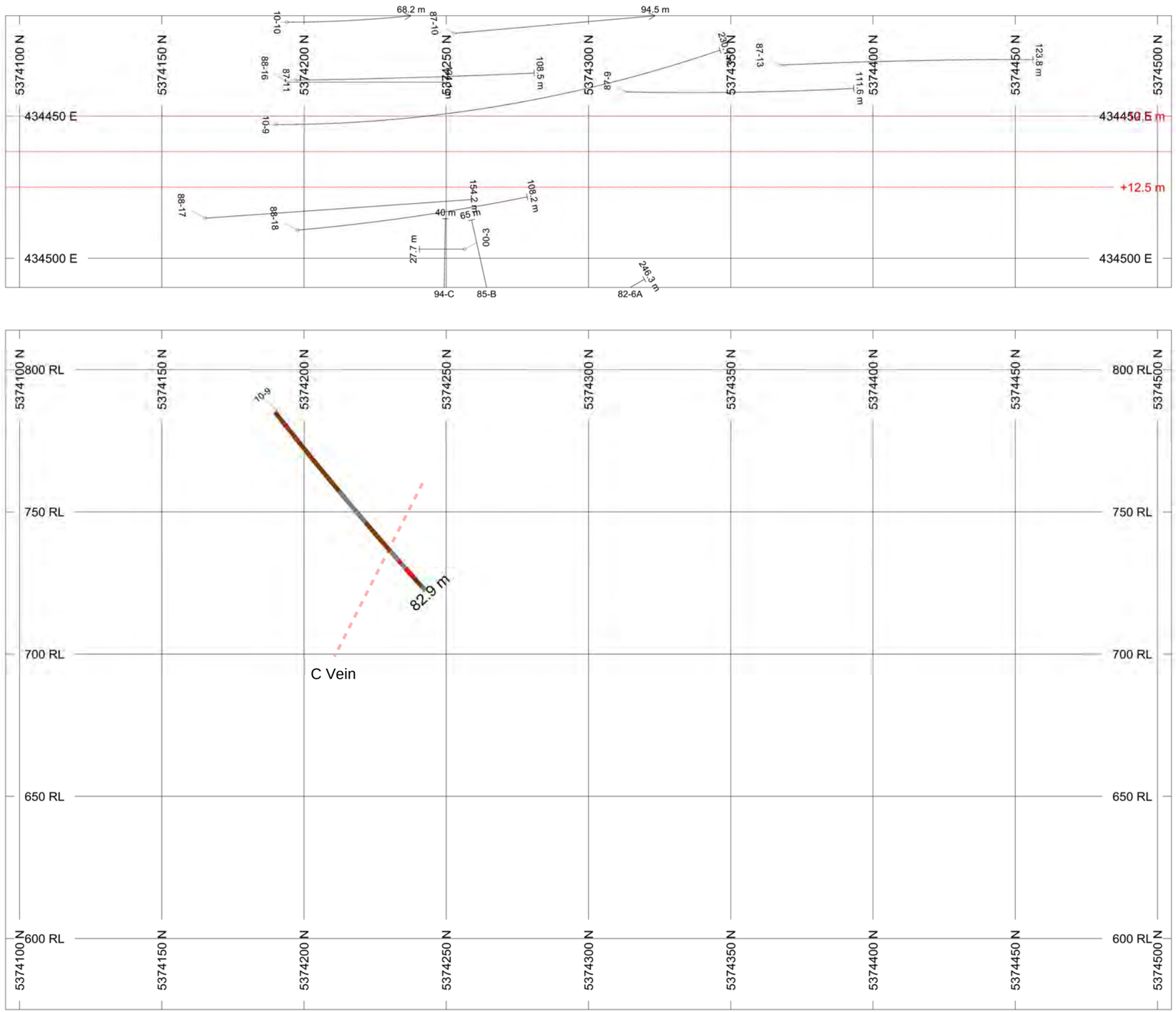
N W E S

Mill Bay Ventures Inc.

Valentine Mountain Property

Discovery Zone

Section 434487.5 East



HOLES PLOTTED

TOTAL 1

10-9

BAR GRAPHS	L/R	COL
Au	R	
As	R	

ROCK CODES	PAT	LABEL
Rock_Code		metapelite
		metasandstone
		amphibolite
		quartz diorite
		quartz vein

SECTION SPECS:

REF. PT. E, N	434463 m	5374300 m
EXTENTS	409.8 m	238.8 m
SECTION TOP, BOT	813.9 m	575.1 m
TOLERANCE +/-	12.5 m	

Figure 16

SCALE 1 : 1500

(m)

-20 0 20 40 60

NAD83 / UTM zone 10N

AZIMUTH = 0°

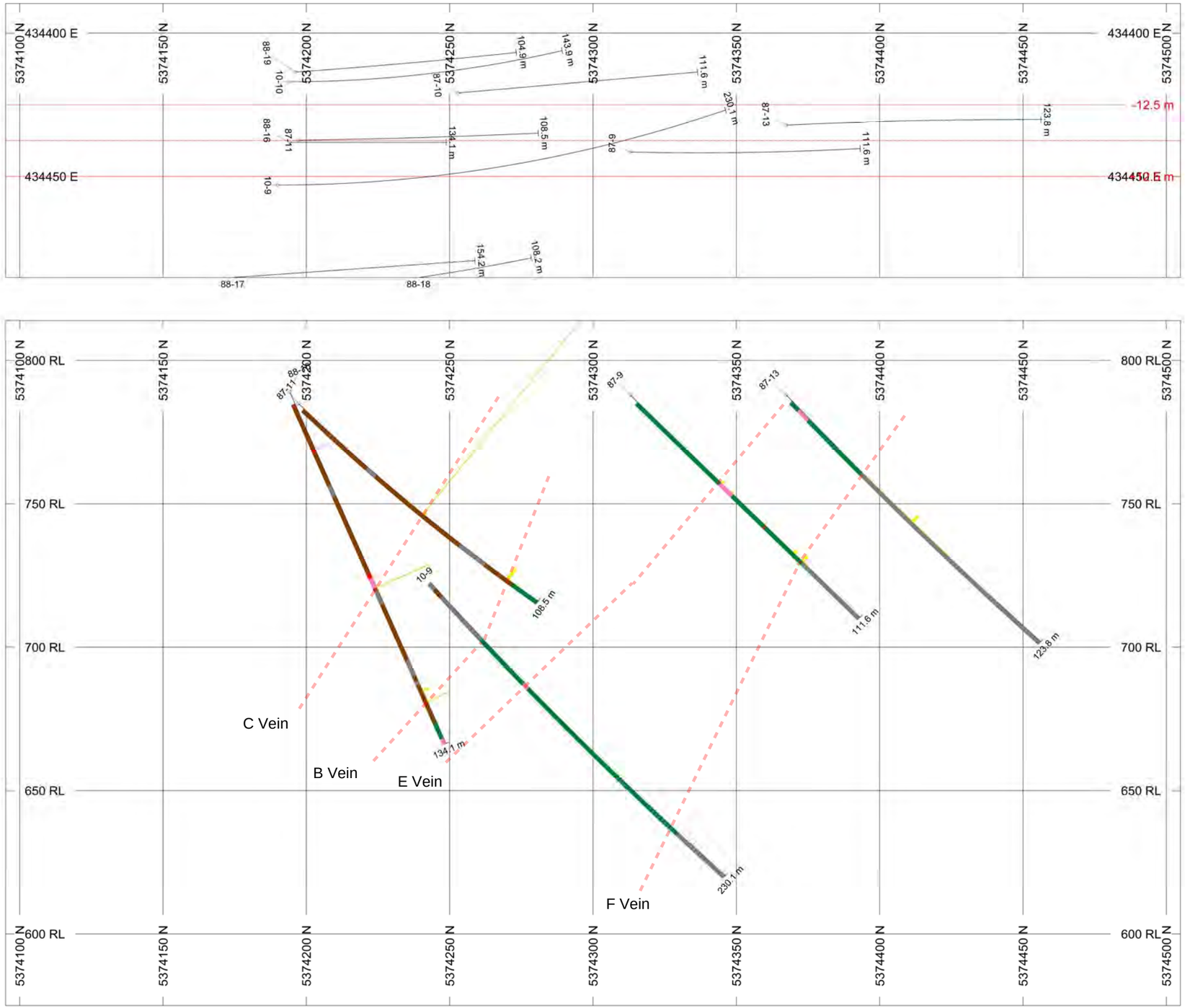
N W E S

Mill Bay Ventures Inc.

Valentine Mountain Property

Discovery Zone

Section 434462.5 East



HOLES PLOTTED

TOTAL 5

10-9 87-11 87-13 87-9 88-16

BAR GRAPHS	L/R	COL
Au	R	
As	R	

ROCK CODES	PAT	LABEL
Rock_Code		metapelite
		metasandstone
		amphibolite
		quartz diorite
		quartz vein

SECTION SPECS:

REF. PT. E, N	434438 m	5374300 m
EXTENTS	409.8 m	238.8 m
SECTION TOP, BOT	813.9 m	575.1 m
TOLERANCE +/-	12.5 m	

Figure 17

SCALE 1 : 1500

(m)

-20 0 20 40 60

NAD83 / UTM zone 10N

AZIMUTH = 0°

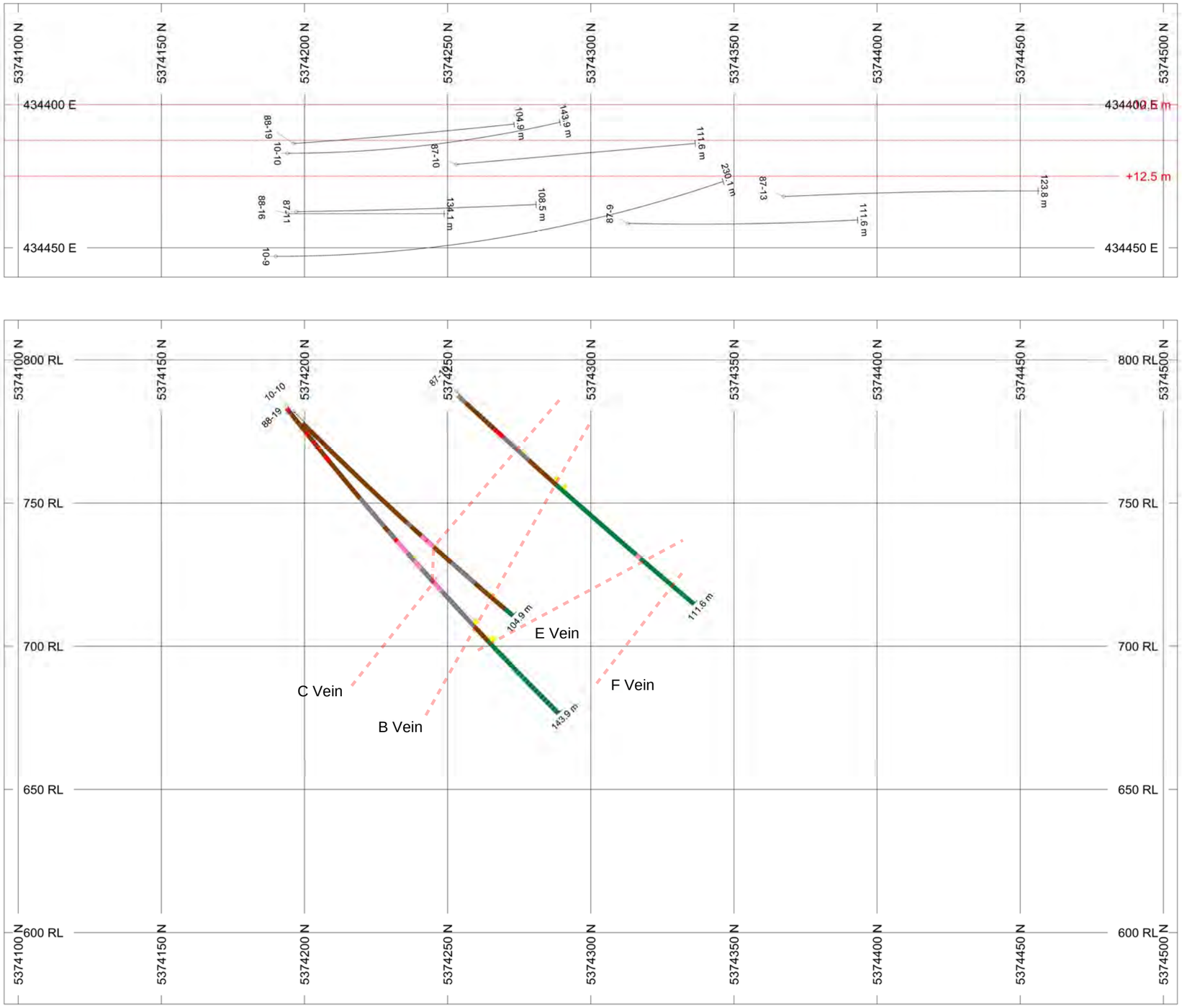
N W E S

Mill Bay Ventures Inc.

Valentine Mountain Property

Discovery Zone

Section 434437.5 East



HOLES PLOTTED

TOTAL 3

10-10 87-10 88-19

BAR GRAPHS	L/R	COL
Au	R	
As	R	

ROCK CODES	PAT	LABEL
Rock_Code		metapelite
		metasandstone
		amphibolite
		quartz diorite
		quartz vein

SECTION SPECS:

REF. PT. E, N	434413 m	5374300 m
EXTENTS	409.8 m	238.8 m
SECTION TOP, BOT	813.9 m	575.1 m
TOLERANCE +/-	12.5 m	

Figure 18

SCALE 1 : 1500

(m)

-20 0 20 40 60

NAD83 / UTM zone 10N

AZIMUTH = 0°

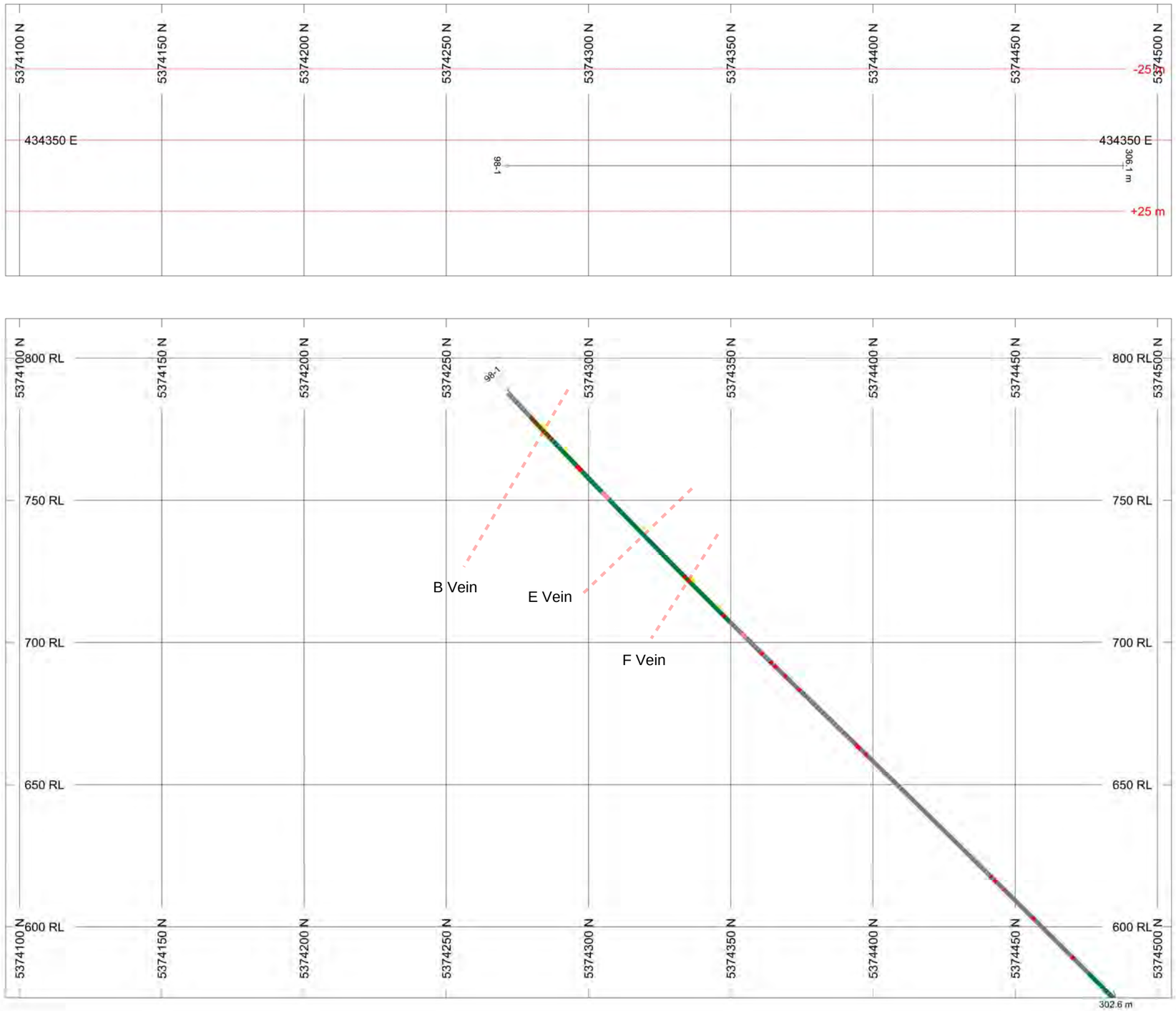
N W E S

Mill Bay Ventures Inc.

Valentine Mountain Property

Discovery Zone

Section 434412.5 East



HOLES PLOTTED

TOTAL 1

98-1

BAR GRAPHS	L/R	COL
Au	R	
As	R	

ROCK CODES	PAT	LABEL
Rock_Code		metapelite
		metasandstone
		amphibolite
		quartz diorite
		quartz vein

SECTION SPECS:

REF. PT. E, N	434350 m	5374300 m
EXTENTS	409.8 m	238.8 m
SECTION TOP, BOT	813.9 m	575.1 m
TOLERANCE +/-	25 m	

Figure 19

SCALE 1 : 1500

(m)

-20 0 20 40 60

NAD83 / UTM zone 10N

AZIMUTH = 0°

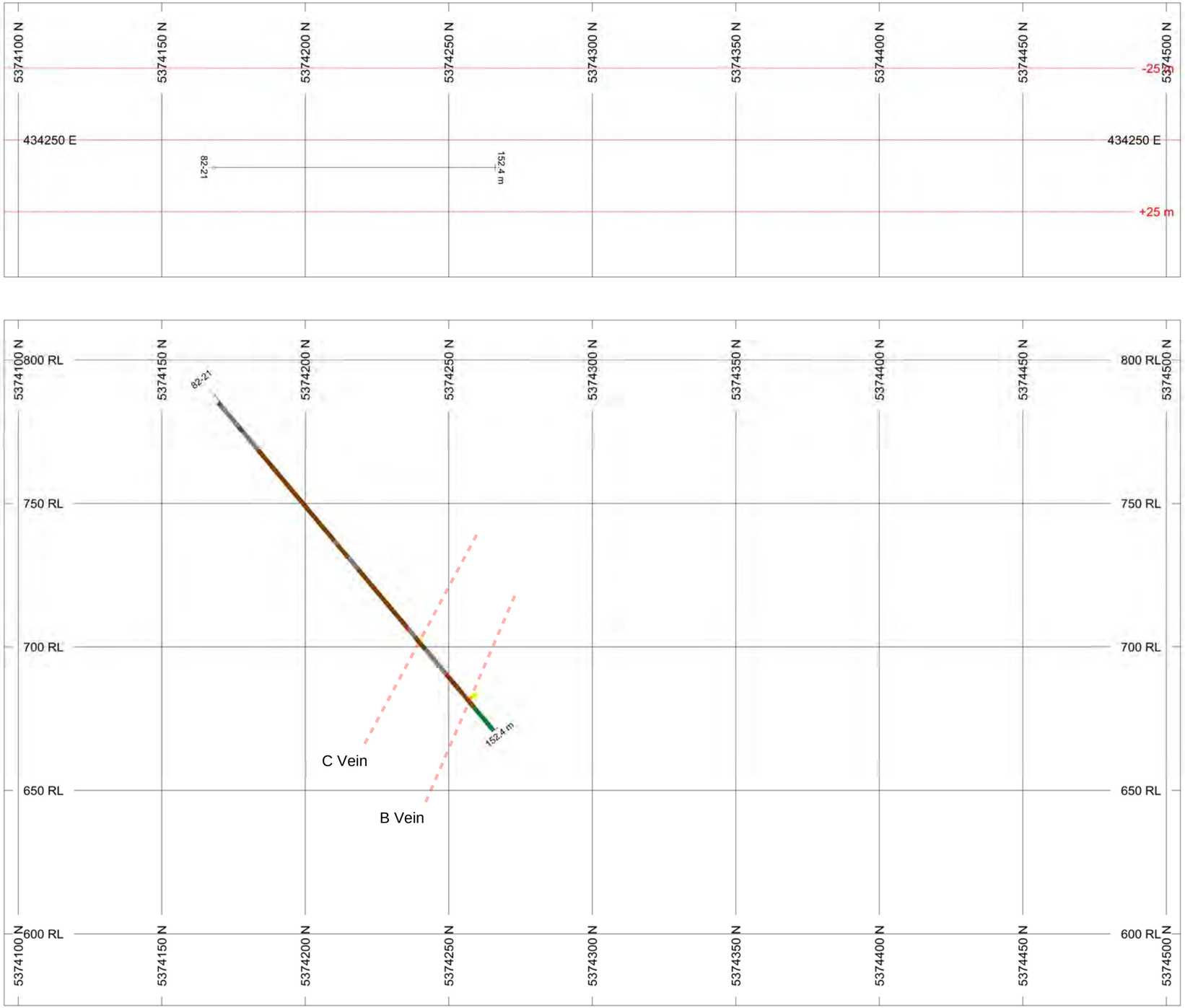
N W E S

Mill Bay Ventures Inc.

Valentine Mountain Property

Discovery Zone

Section 434350 East



HOLES PLOTTED

TOTAL 1

82-21

BAR GRAPHS	L/R	COL
Au	R	
As	R	

ROCK CODES Rock_Code	PAT	LABEL
		metapelite
		metasandstone
		amphibolite
		quartz vein

SECTION SPECS:

REF. PT. E, N	434250 m	5374300 m
EXTENTS	409.8 m	238.8 m
SECTION TOP, BOT	813.9 m	575.1 m
TOLERANCE +/-	25 m	

Figure 20

SCALE 1 : 1500

(m)

-20 0 20 40 60

NAD83 / UTM zone 10N

AZIMUTH = 0°

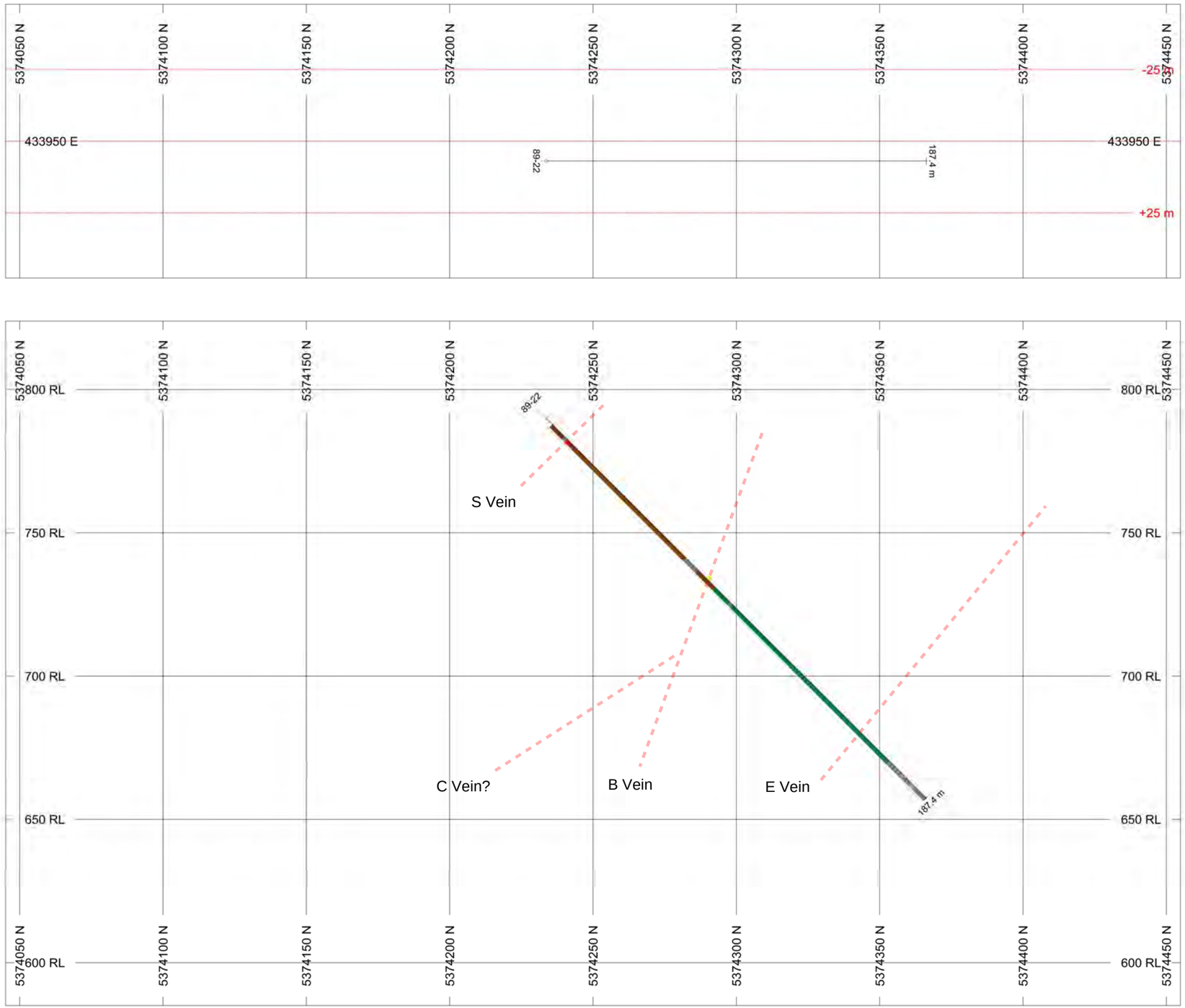
N W E S

Mill Bay Ventures Inc.

Valentine Mountain Property

Discovery Zone

Section 434250 East



HOLES PLOTTED

TOTAL 1

89-22

BAR GRAPHS	L/R	COL
Au	R	
As	R	

ROCK CODES	PAT	LABEL
Rock_Code		metapelite
		metasandstone
		amphibolite
		quartz diorite
		quartz vein

SECTION SPECS:

REF. PT. E, N	433950 m	5374250 m
EXTENTS	409.8 m	238.8 m
SECTION TOP, BOT	823.9 m	585.1 m
TOLERANCE +/-	25 m	

Figure 21

SCALE 1 : 1500

(m)

-20 0 20 40 60

NAD83 / UTM zone 10N

AZIMUTH = 0°

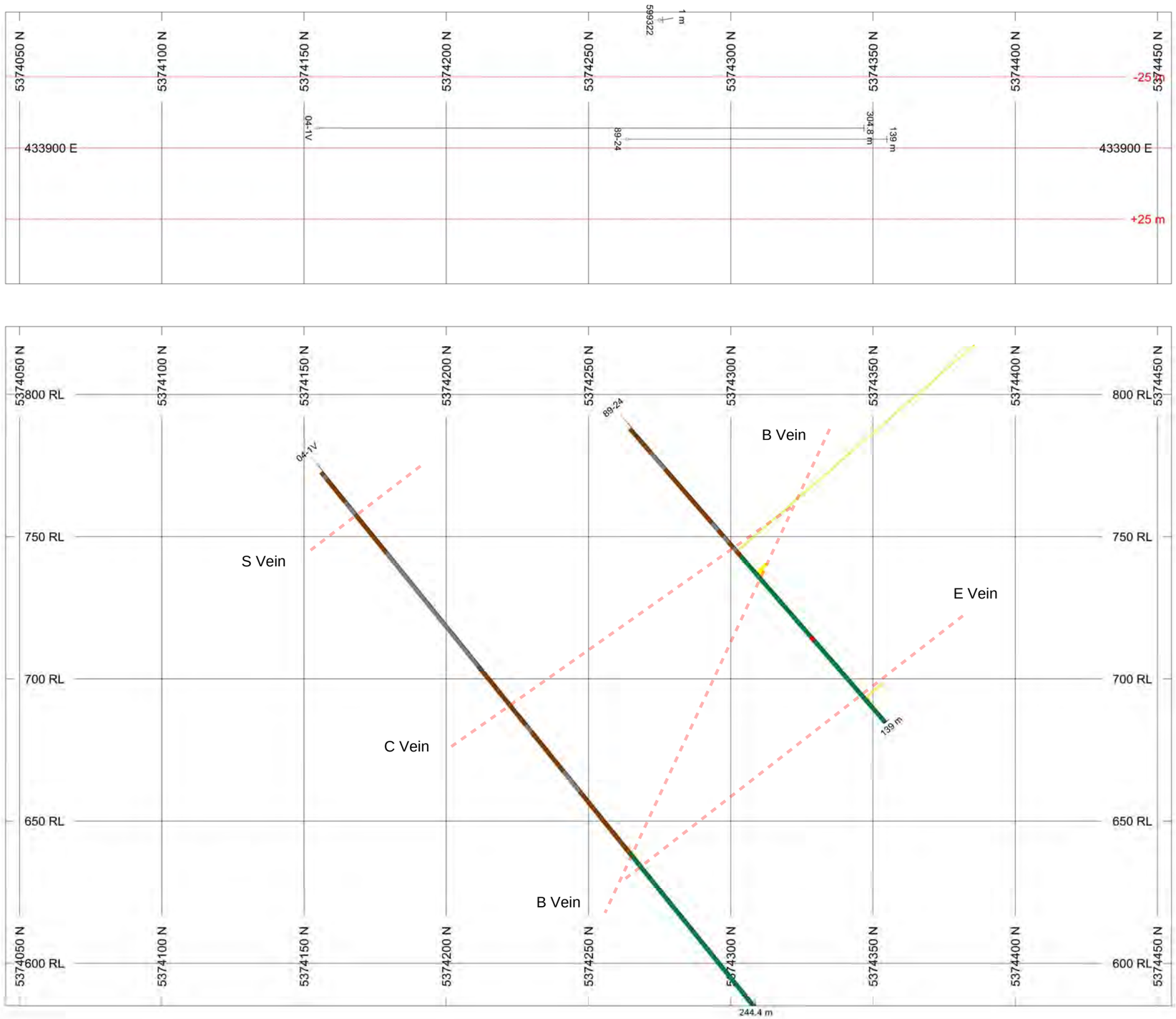
N W E S

Mill Bay Ventures Inc.

Valentine Mountain Property

Discovery West Zone

Section 433950E



HOLES PLOTTED

TOTAL 2

04-1V 89-24

BAR GRAPHS	L/R	COL
Au	R	
As	R	

ROCK CODES Rock_Code	PAT	LABEL
		metapelite
		metasandstone
		amphibolite
		quartz vein

SECTION SPECS:

REF. PT. E, N	433900 m	5374250 m
EXTENTS	409.8 m	238.8 m
SECTION TOP, BOT	823.9 m	585.1 m
TOLERANCE +/-	25 m	

Figure 22

SCALE 1 : 1500

(m)

-20 0 20 40 60

NAD83 / UTM zone 10N

AZIMUTH = 0°

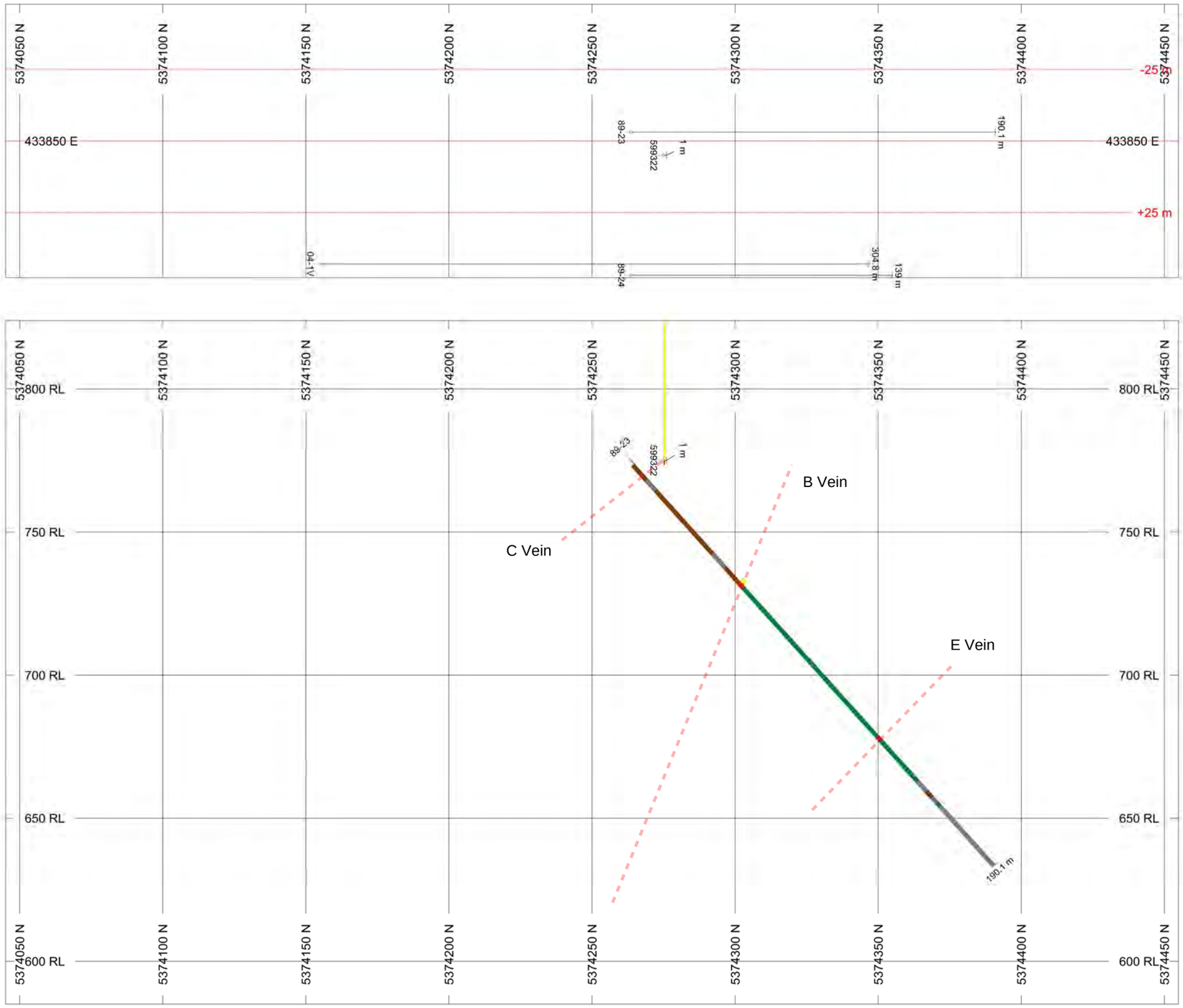
N W E S

Mill Bay Ventures Inc.

Valentine Mountain Property

Discovery West Zone

Section 433900E



HOLES PLOTTED

TOTAL 2

599322 89-23

BAR GRAPHS	L/R	COL
Au	R	
As	R	

ROCK CODES	PAT	LABEL
Rock_Code		metapelite
		metasandstone
		amphibolite
		quartz vein

SECTION SPECS:

REF. PT. E, N	433850 m	5374250 m
EXTENTS	409.8 m	238.8 m
SECTION TOP, BOT	823.9 m	585.1 m
TOLERANCE +/-	25 m	

Figure 23

SCALE 1 : 1500

(m)

-20 0 20 40 60

NAD83 / UTM zone 10N

AZIMUTH = 0°

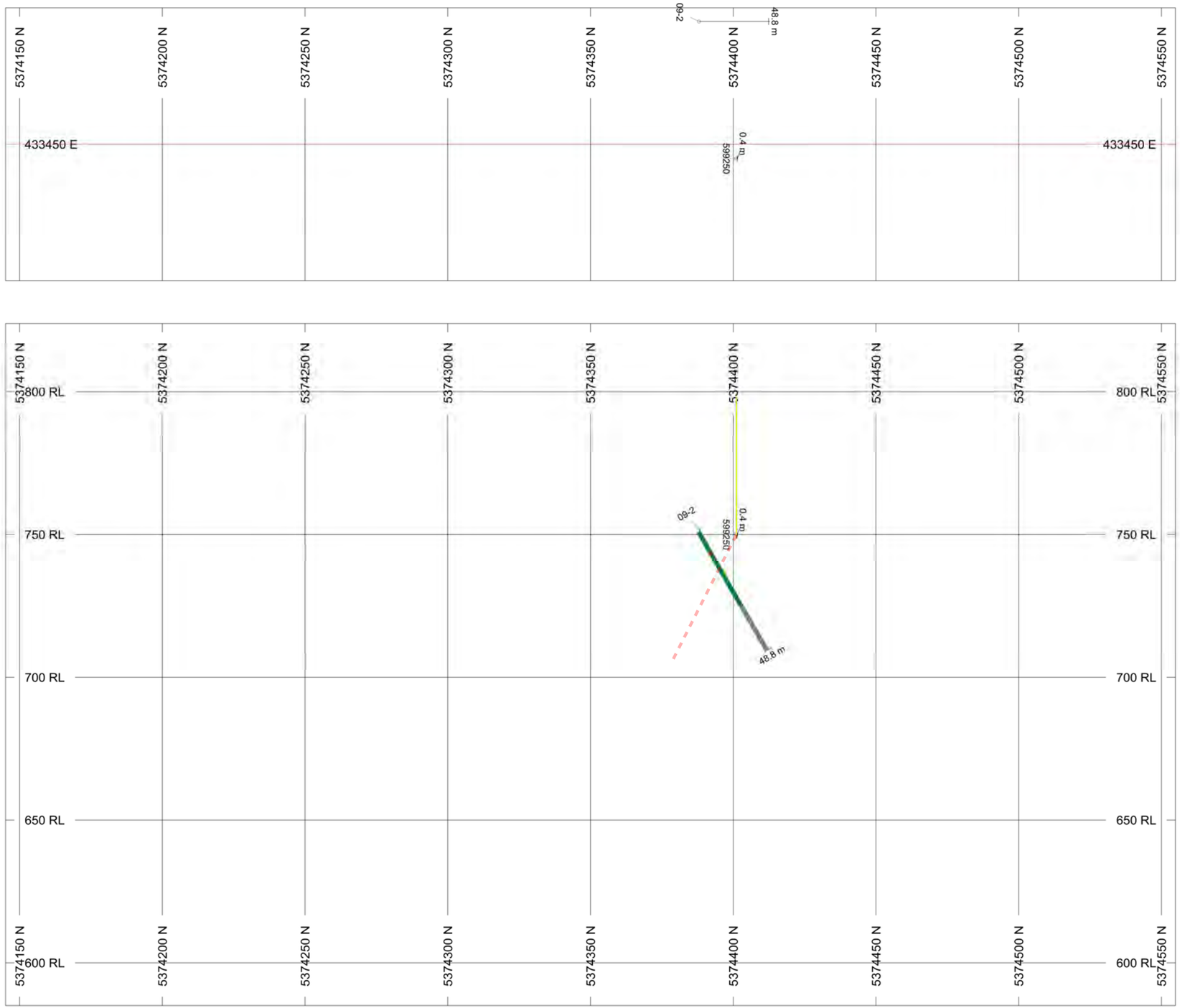
N W E S

Mill Bay Ventures Inc.

Valentine Mountain Property

Discovery West Zone

Section 433850E



HOLES PLOTTED

TOTAL 2

09-2	599250

BAR GRAPHS	L/R	COL
Au	R	
As	R	

ROCK CODES	PAT	LABEL
Rock_Code		metapelite
		amphibolite
		quartz vein

SECTION SPECS:

REF. PT. E, N	433450 m	5374350 m
EXTENTS	409.8 m	238.8 m
SECTION TOP, BOT	823.9 m	585.1 m
TOLERANCE +/-	50 m	

Figure 24

SCALE 1 : 1500

(m)

-20 0 20 40 60

NAD83 / UTM zone 10N

AZIMUTH = 0°

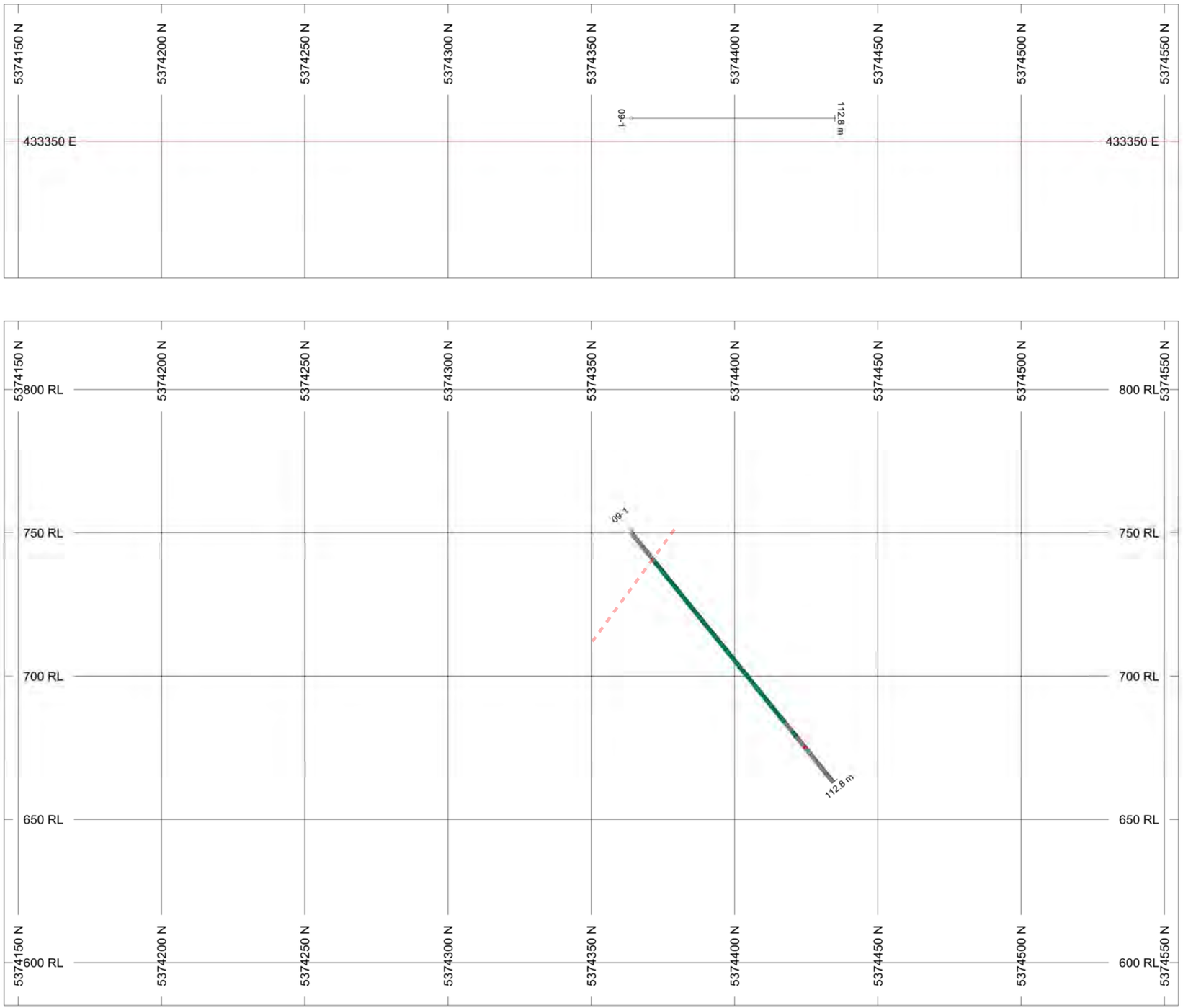
N W E S

Mill Bay Ventures Inc.

Valentine Mountain Property

Log Dam Zone

Section 433450E



HOLES PLOTTED

TOTAL 1

09-1

BAR GRAPHS	L/R	COL
Au	R	
As	R	

ROCK CODES	PAT	LABEL
Rock_Code		metapelite
		amphibolite
		quartz vein

SECTION SPECS:

REF. PT. E, N	433350 m	5374350 m
EXTENTS	409.8 m	238.8 m
SECTION TOP, BOT	823.9 m	585.1 m
TOLERANCE +/-	50 m	

Figure 25

SCALE 1 : 1500

(m)

-20 0 20 40 60

NAD83 / UTM zone 10N

AZIMUTH = 0°

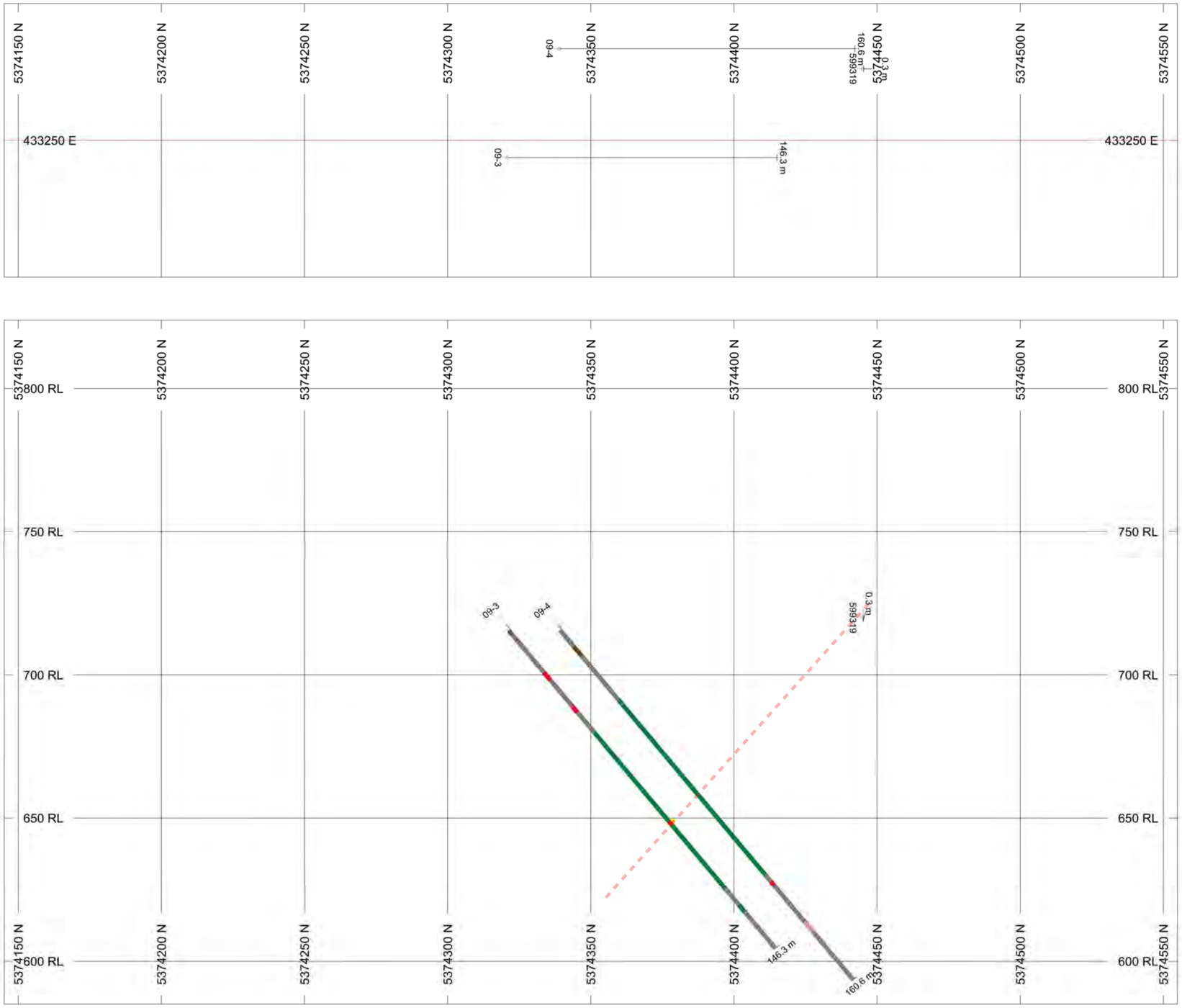
N W E S

Mill Bay Ventures Inc.

Valentine Mountain Property

Log Dam Zone

Section 433350E



HOLES PLOTTED

TOTAL 3

09-3	09-4	599319

BAR GRAPHS	L/R	COL
Au	R	
As	R	

ROCK CODES	PAT	LABEL
Rock_Code		metapelite
		metasandstone
		amphibolite
		quartz diorite
		quartz vein

SECTION SPECS:

REF. PT. E, N	433250 m	5374350 m
EXTENTS	409.8 m	238.8 m
SECTION TOP, BOT	823.9 m	585.1 m
TOLERANCE +/-	50 m	

Figure 26

SCALE 1 : 1500

(m)

-20 0 20 40 60

NAD83 / UTM zone 10N

AZIMUTH = 0°

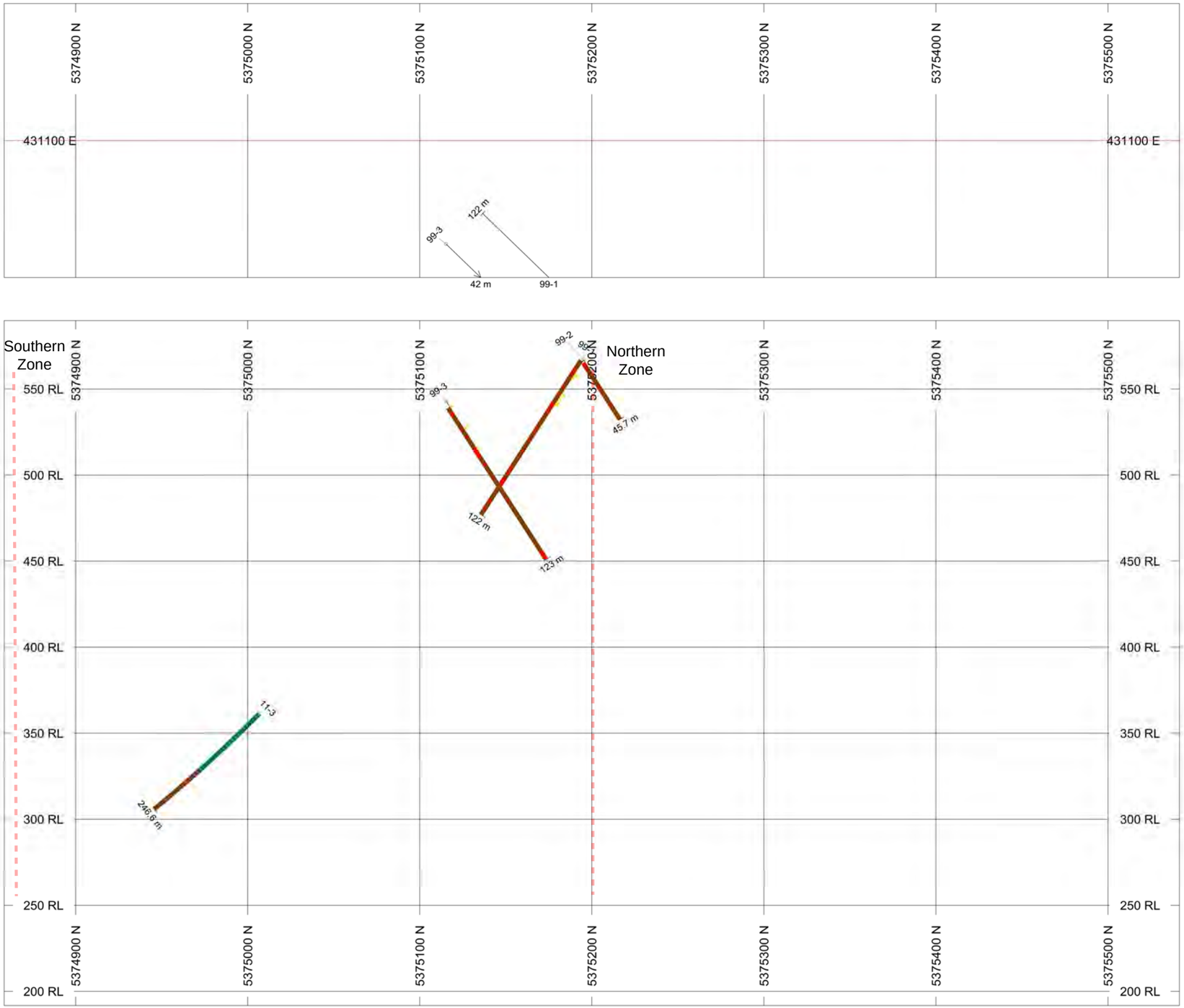
N W E S

Mill Bay Ventures Inc.

Valentine Mountain Property

Log Dam Zone

Section 433250E



HOLES PLOTTED

TOTAL 4

11-3 99-1 99-2 99-3

BAR GRAPHS	L/R	COL
Au	R	
As	R	

ROCK CODES	PAT	LABEL
Rock_Code		metasandstone
		amphibolite
		quartz vein

SECTION SPECS:

REF. PT. E, N	431100 m	5375200 m
EXTENTS	683 m	398 m
SECTION TOP, BOT	589.8 m	191.8 m
TOLERANCE +/-	150 m	

Figure 27

SCALE 1 : 2500

(m)

-20 0 20 40 60 80 100 120

NAD83 / UTM zone 10N

AZIMUTH = 0°

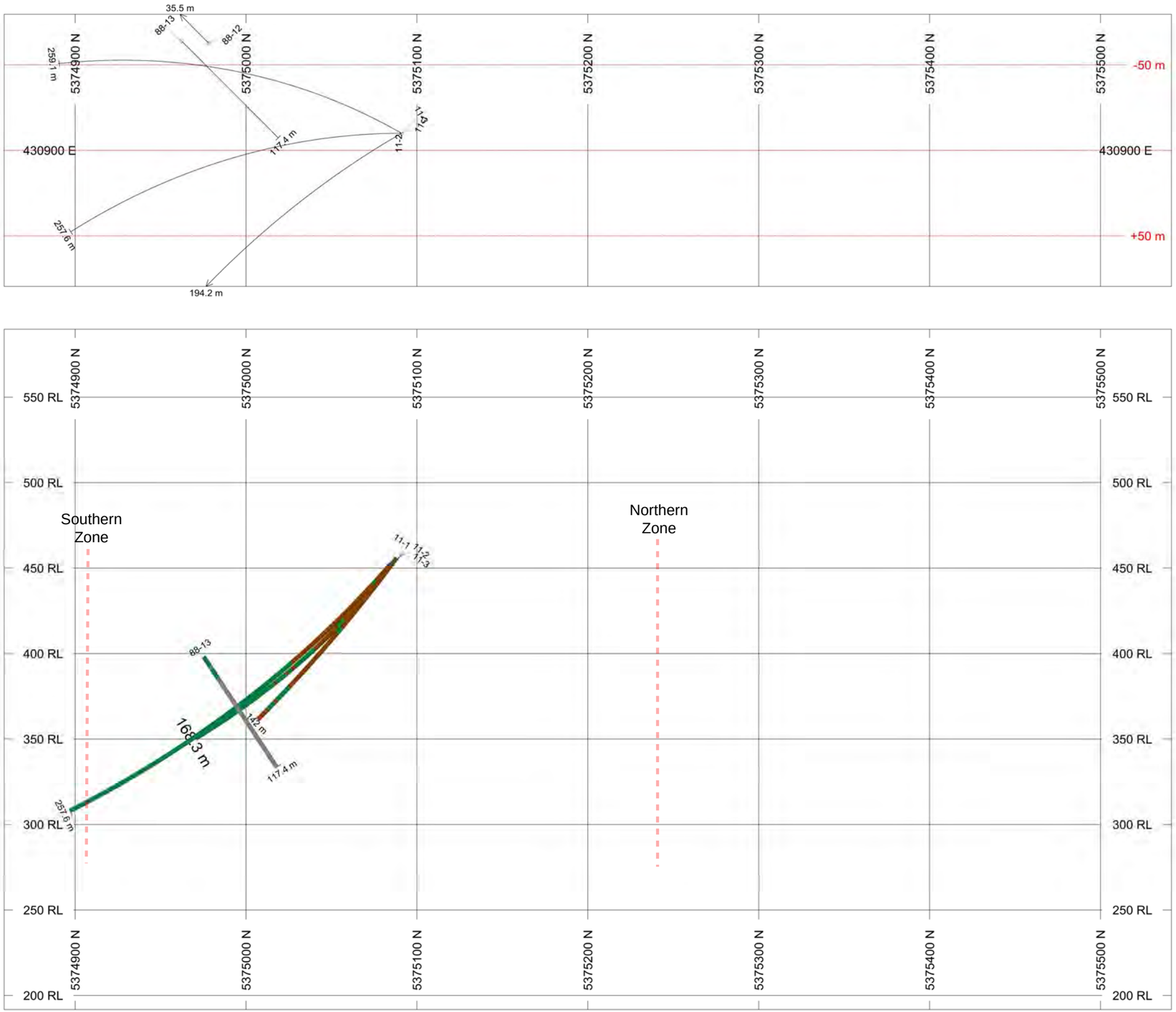
N W E S

Mill Bay Ventures Inc.

Valentine Mountain Property

Braiteach/BN Zone

Section 431100 East



HOLES PLOTTED

TOTAL 4

11-1 11-2 11-3 88-13

BAR GRAPHS	L/R	COL
Au	R	
As	R	

ROCK CODES	PAT	LABEL
Rock_Code		metapelite
		metasandstone
		amphibolite
		quartz vein

SECTION SPECS:

REF. PT. E, N	430900 m	5375200 m
EXTENTS	683 m	398 m
SECTION TOP, BOT	589.8 m	191.8 m
TOLERANCE +/-	50 m	

Figure 28

SCALE 1 : 2500

(m)

-20 0 20 40 60 80 100 120

NAD83 / UTM zone 10N

AZIMUTH = 0°

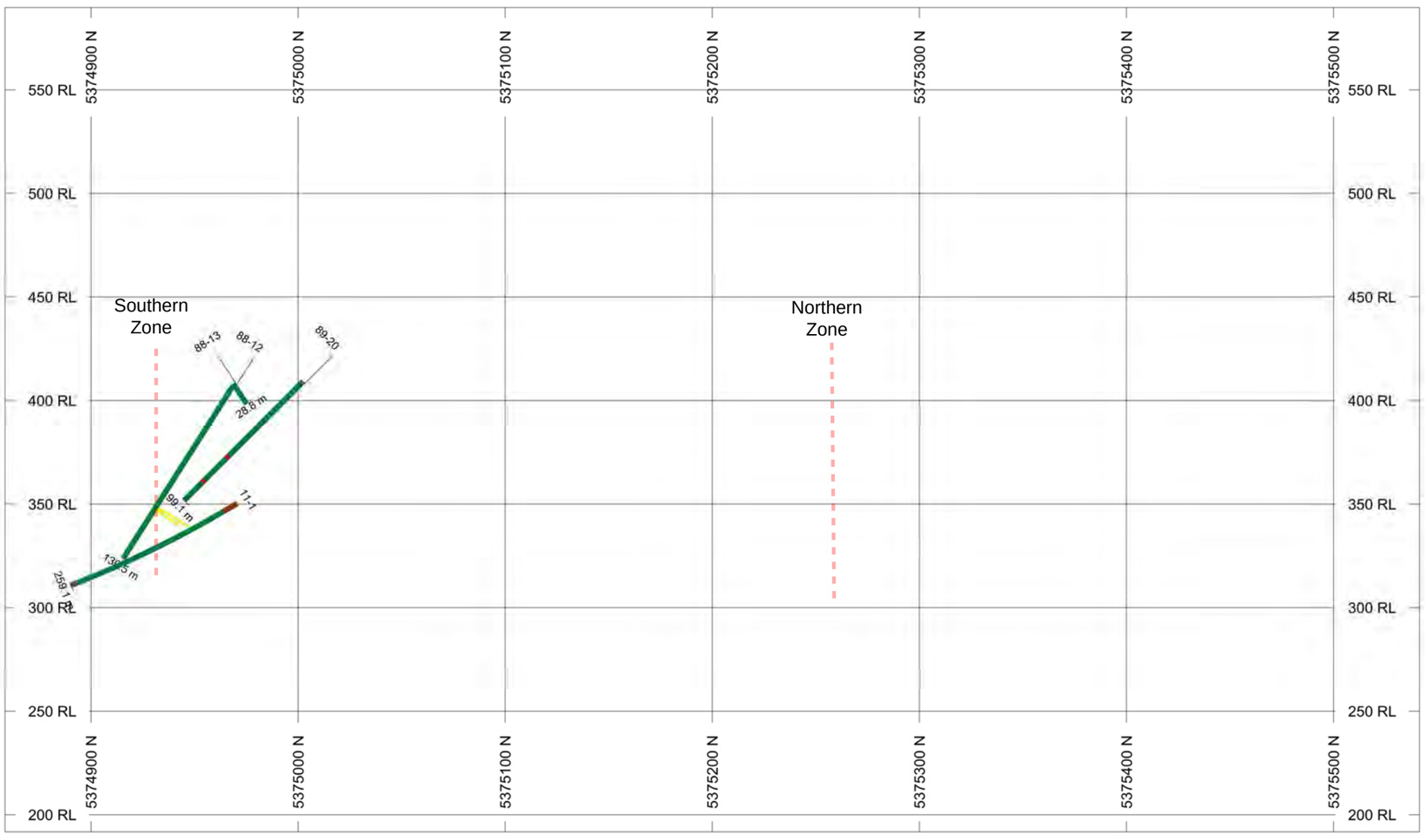
N W E S

Mill Bay Ventures Inc.

Valentine Mountain Property

Braiteach/BN Zone

Section 430900 East



HOLES PLOTTED

TOTAL 4

11-1 88-12 88-13 89-20

BAR GRAPHS	L/R	COL
Au	R	
As	R	

ROCK CODES	PAT	LABEL
Rock_Code		metapelite
		metasandstone
		amphibolite
		quartz vein

SECTION SPECS:

REF. PT. E, N	430800 m	5375200 m
EXTENTS	683 m	398 m
SECTION TOP, BOT	589.8 m	191.8 m
TOLERANCE +/-	50 m	

Figure 29

SCALE 1 : 2500

(m)

-20 0 20 40 60 80 100 120

NAD83 / UTM zone 10N

AZIMUTH = 0°

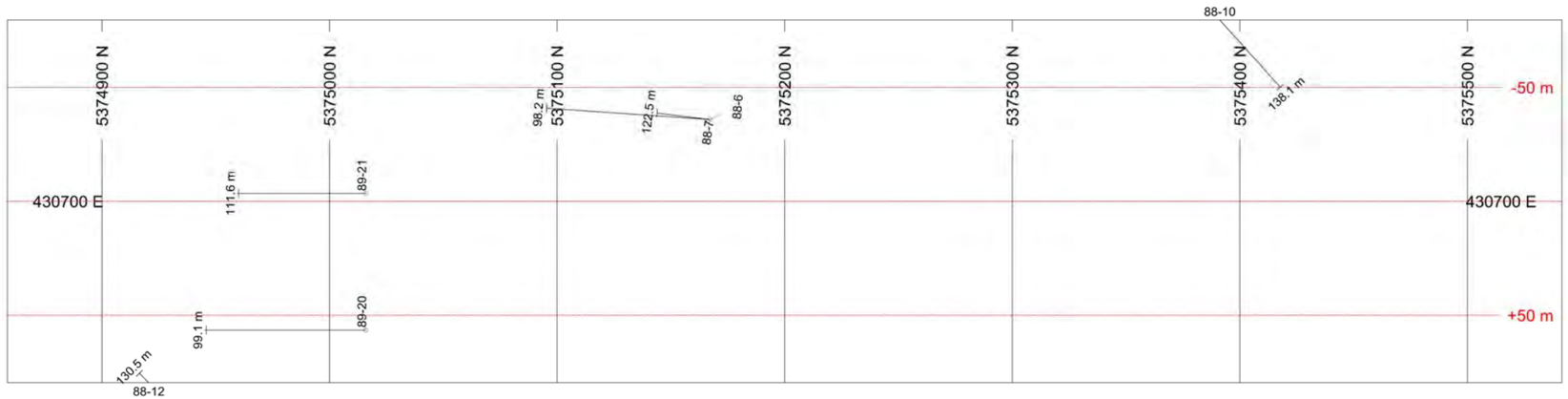
N W E S

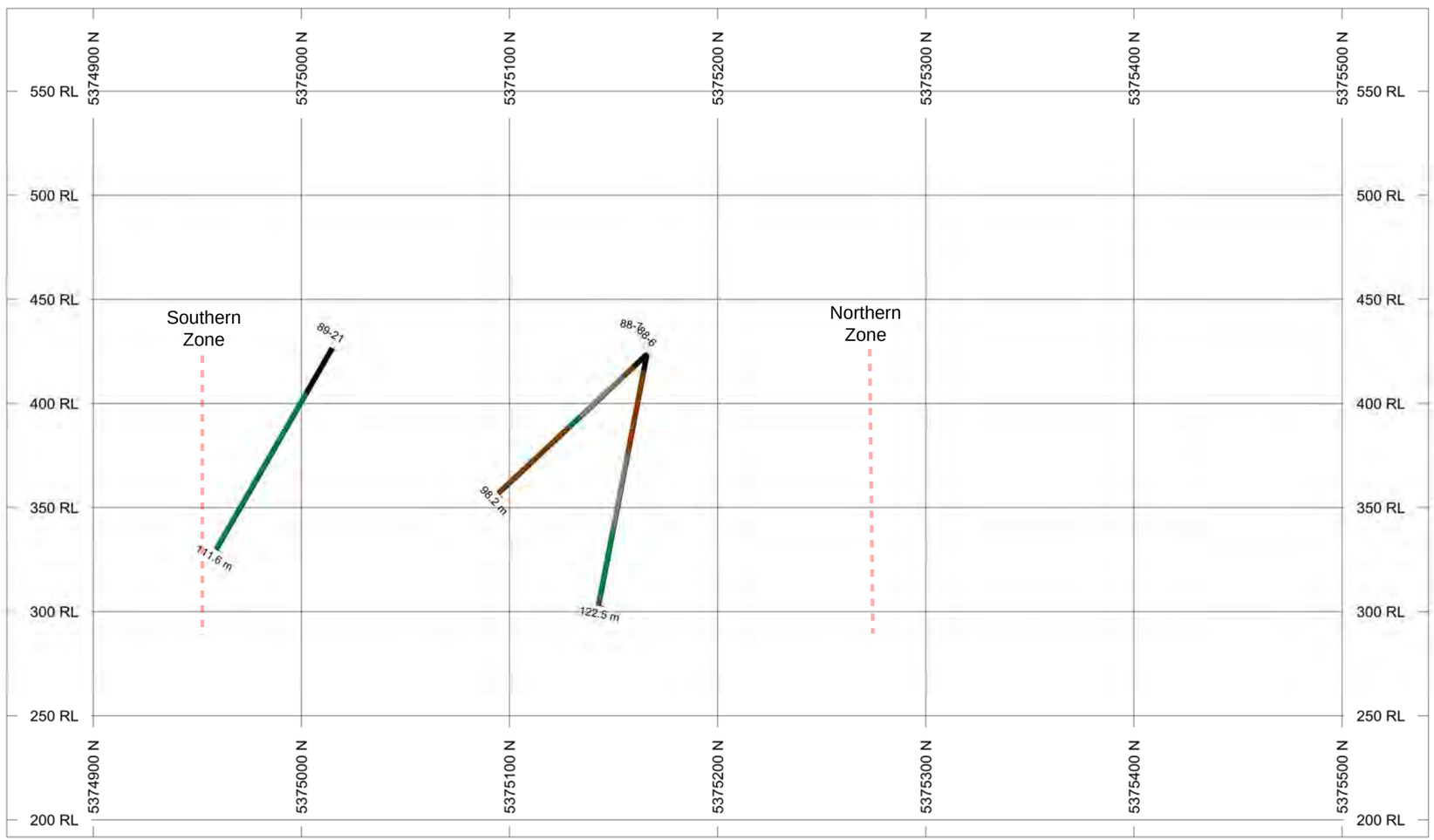
Mill Bay Ventures Inc.

Valentine Mountain Property

Braiteach/BN Zone

Section 430800 East





HOLES PLOTTED

TOTAL 3

88-6 88-7 89-21

BAR GRAPHS	L/R	COL
Au	R	
As	R	

ROCK CODES	PAT	LABEL
Rock_Code		overburden
		metapelite
		metasandstone
		amphibolite
		quartz vein

SECTION SPECS:

REF. PT. E, N	430700 m	5375200 m
EXTENTS	683 m	398 m
SECTION TOP, BOT	589.8 m	191.8 m
TOLERANCE +/-	50 m	

Figure 30

SCALE 1 : 2500

(m)

-20 0 20 40 60 80 100 120

NAD83 / UTM zone 10N

AZIMUTH = 0°

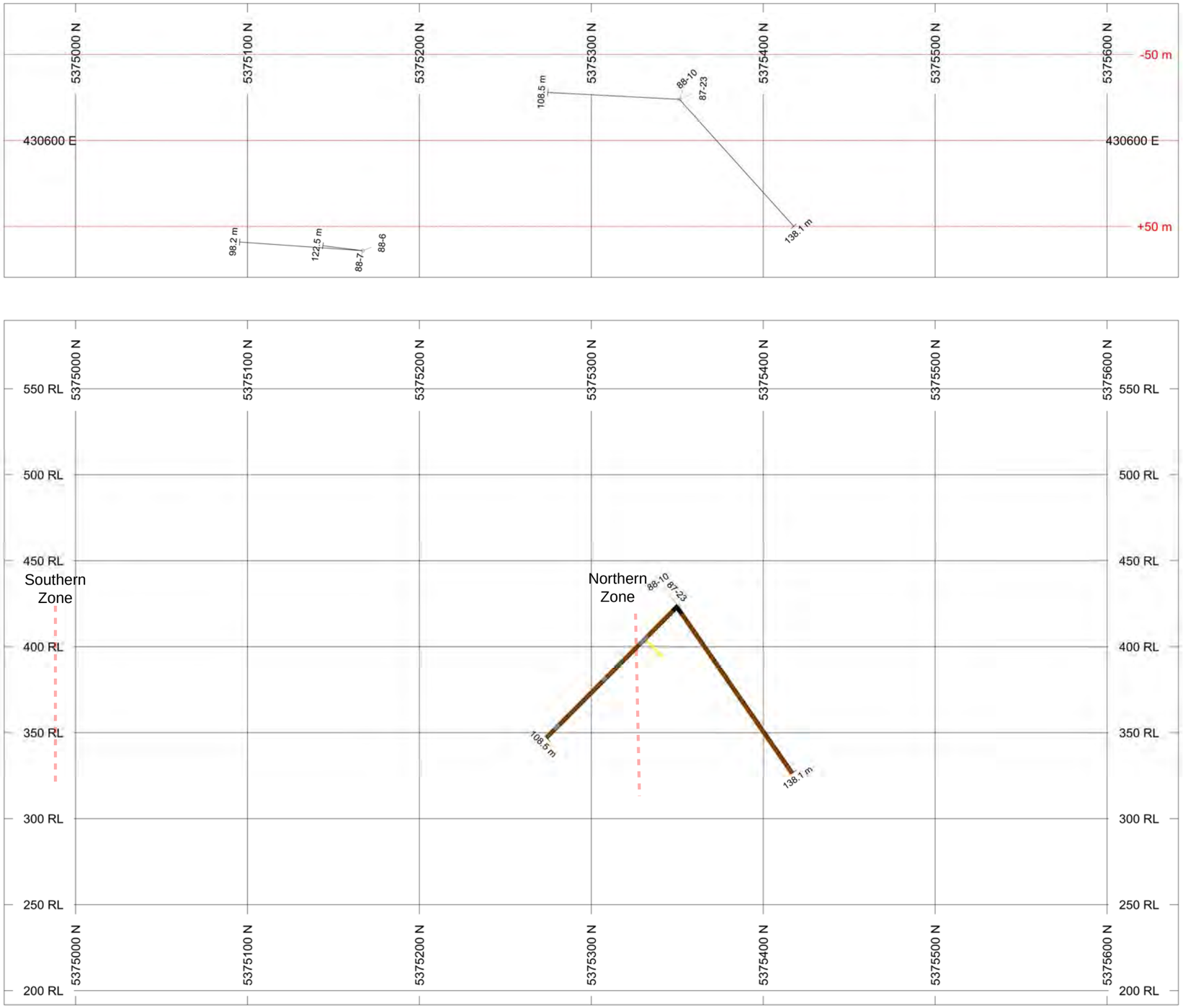
N W E S

Mill Bay Ventures Inc.

Valentine Mountain Property

Braiteach/BN Zone

Section 430700 East



HOLES PLOTTED

TOTAL 2

87-23 88-10

BAR GRAPHS	L/R	COL
Au	R	
As	R	

ROCK CODES	PAT	LABEL
Rock_Code		overburden
		metapelite
		metasandstone

SECTION SPECS:

REF. PT. E, N	430600 m	5375300 m
EXTENTS	683 m	398 m
SECTION TOP, BOT	589.8 m	191.8 m
TOLERANCE +/-	50 m	

Figure 31

SCALE 1 : 2500

(m)

-20 0 20 40 60 80 100 120

NAD83 / UTM zone 10N

AZIMUTH = 0°

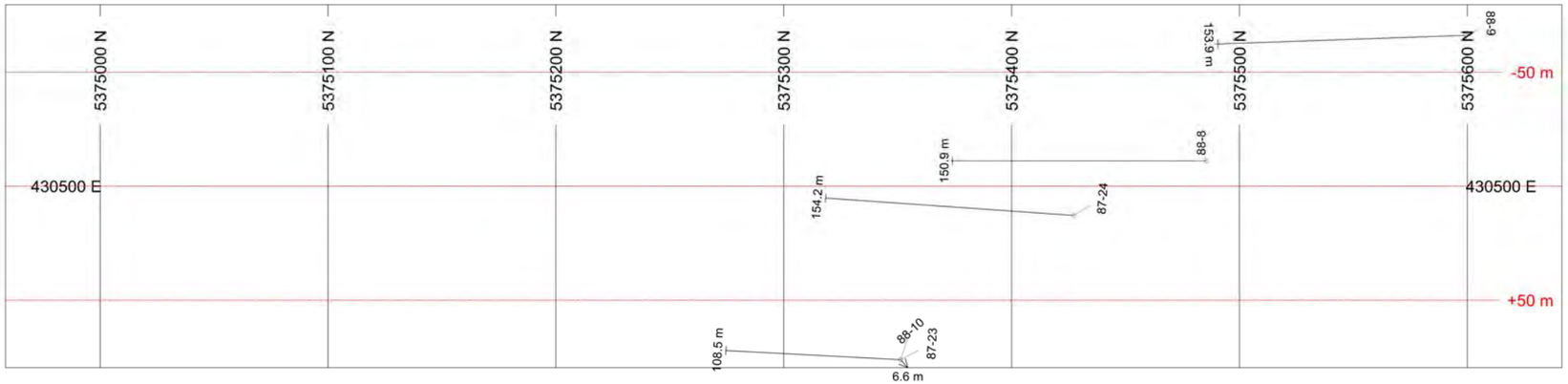
N W E S

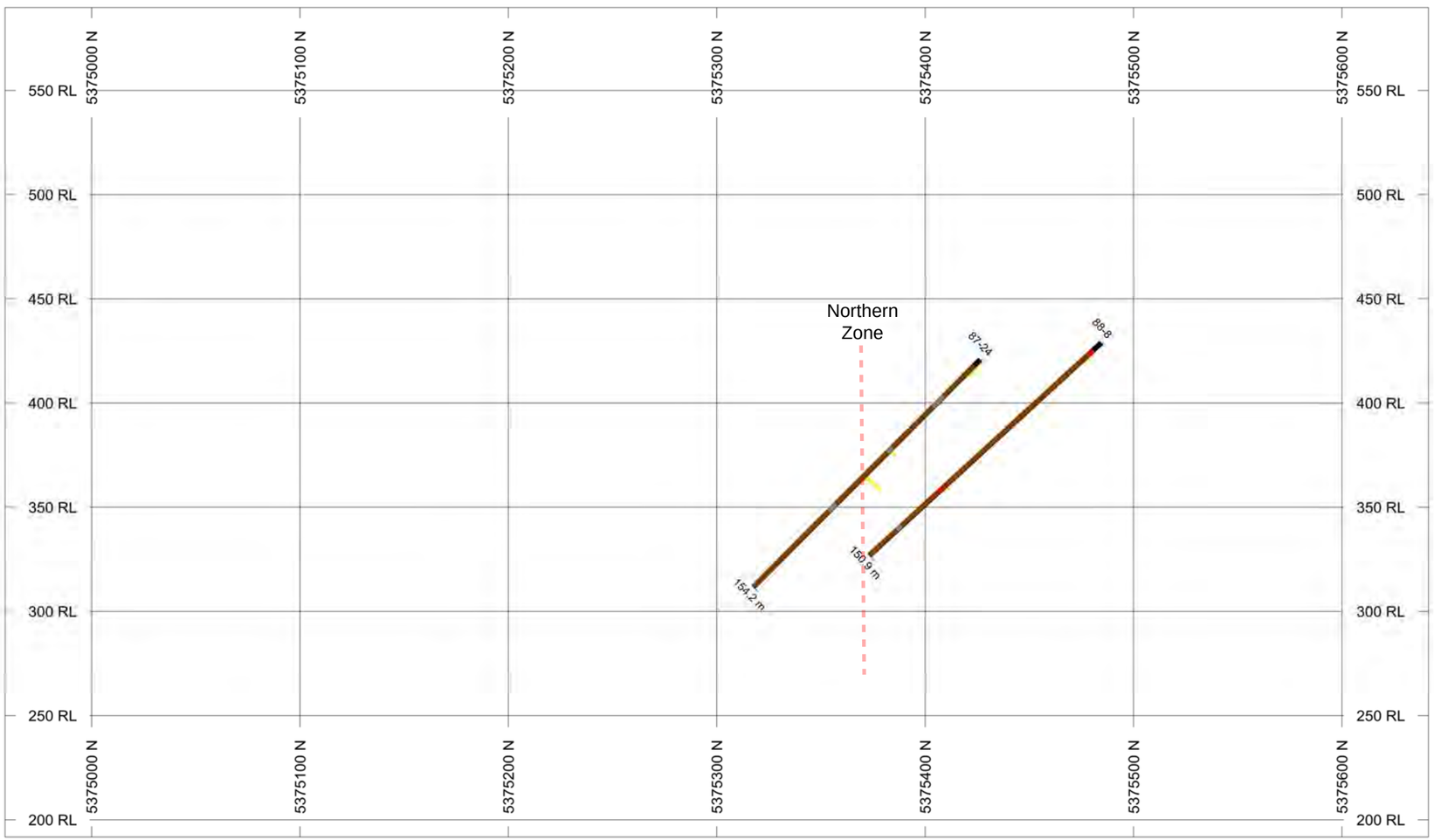
Mill Bay Ventures Inc.

Valentine Mountain Property

Braiteach/BN Zone

Section 430600 East





HOLES PLOTTED

TOTAL 2

87-24 88-8

BAR GRAPHS	L/R	COL
Au	R	
As	R	

ROCK CODES	PAT	LABEL
Rock_Code		overburden
		metapelite
		metasandstone
		quartz vein

SECTION SPECS:

REF. PT. E, N	430500 m	5375300 m
EXTENTS	683 m	398 m
SECTION TOP, BOT	589.8 m	191.8 m
TOLERANCE +/-	50 m	

Figure 32

SCALE 1 : 2500

(m)

-20 0 20 40 60 80 100 120

NAD83 / UTM zone 10N

AZIMUTH = 0°

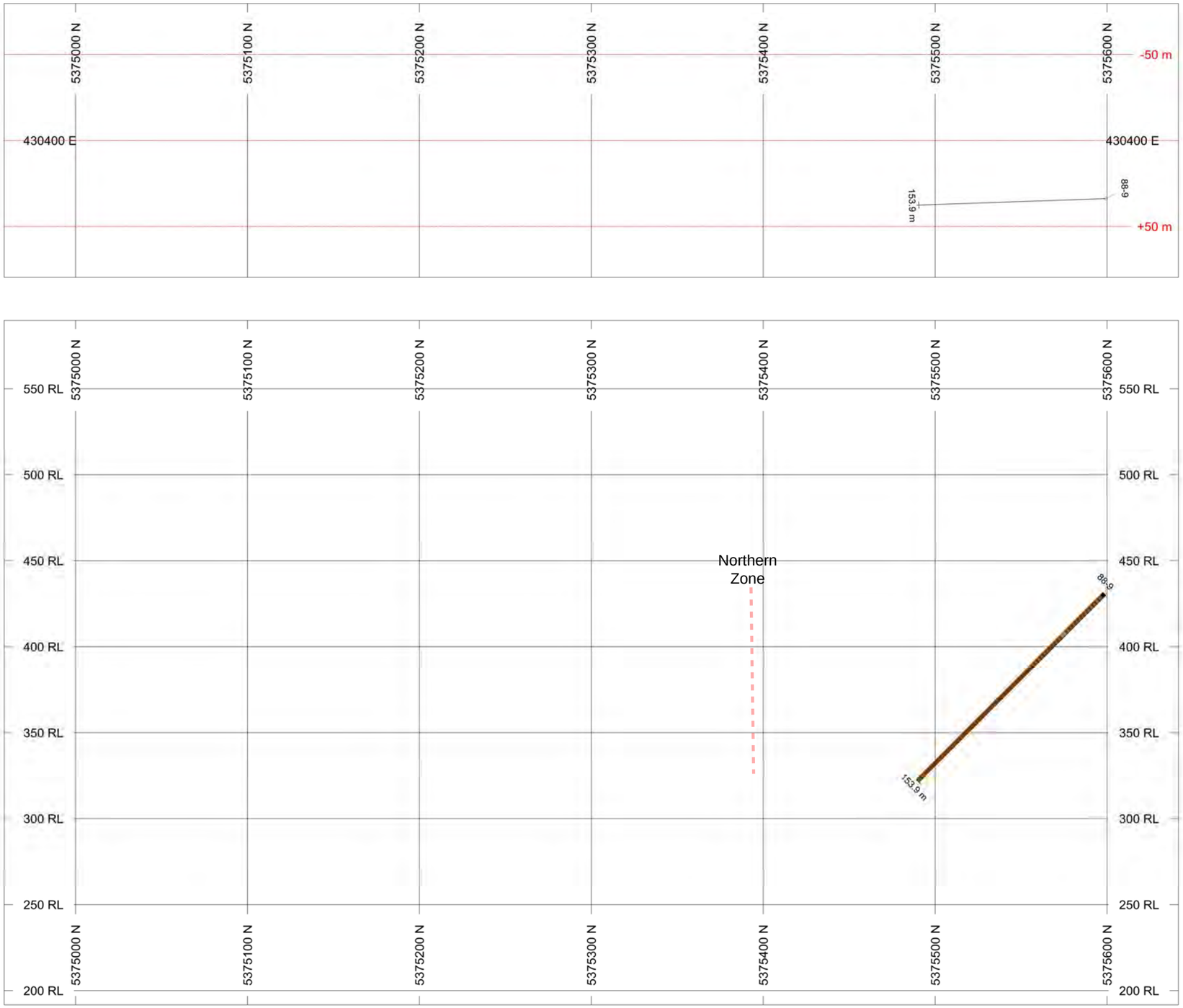
N W E S

Mill Bay Ventures Inc.

Valentine Mountain Property

Braiteach/BN Zone

Section 430500 East



HOLES PLOTTED

TOTAL 1

88-9

BAR GRAPHS	L/R	COL
Au	R	
As	R	

ROCK CODES	PAT	LABEL
Rock_Code		overburden
		metapelite
		metasandstone

SECTION SPECS:

REF. PT. E, N	430400 m	5375300 m
EXTENTS	683 m	398 m
SECTION TOP, BOT	589.8 m	191.8 m
TOLERANCE +/-	50 m	

Figure 33

SCALE 1 : 2500

(m)

-20 0 20 40 60 80 100 120

NAD83 / UTM zone 10N

AZIMUTH = 0°

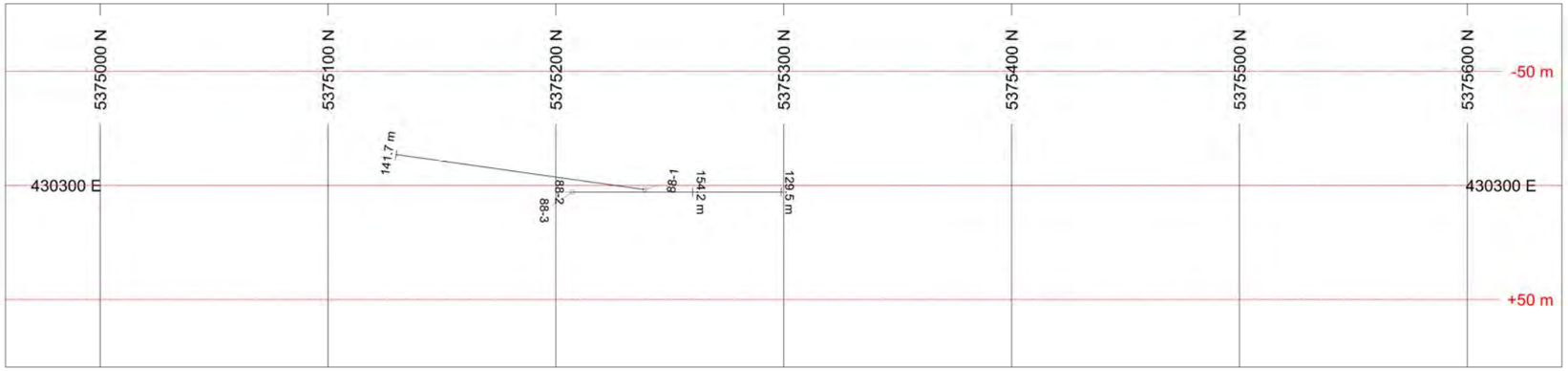
N W E S

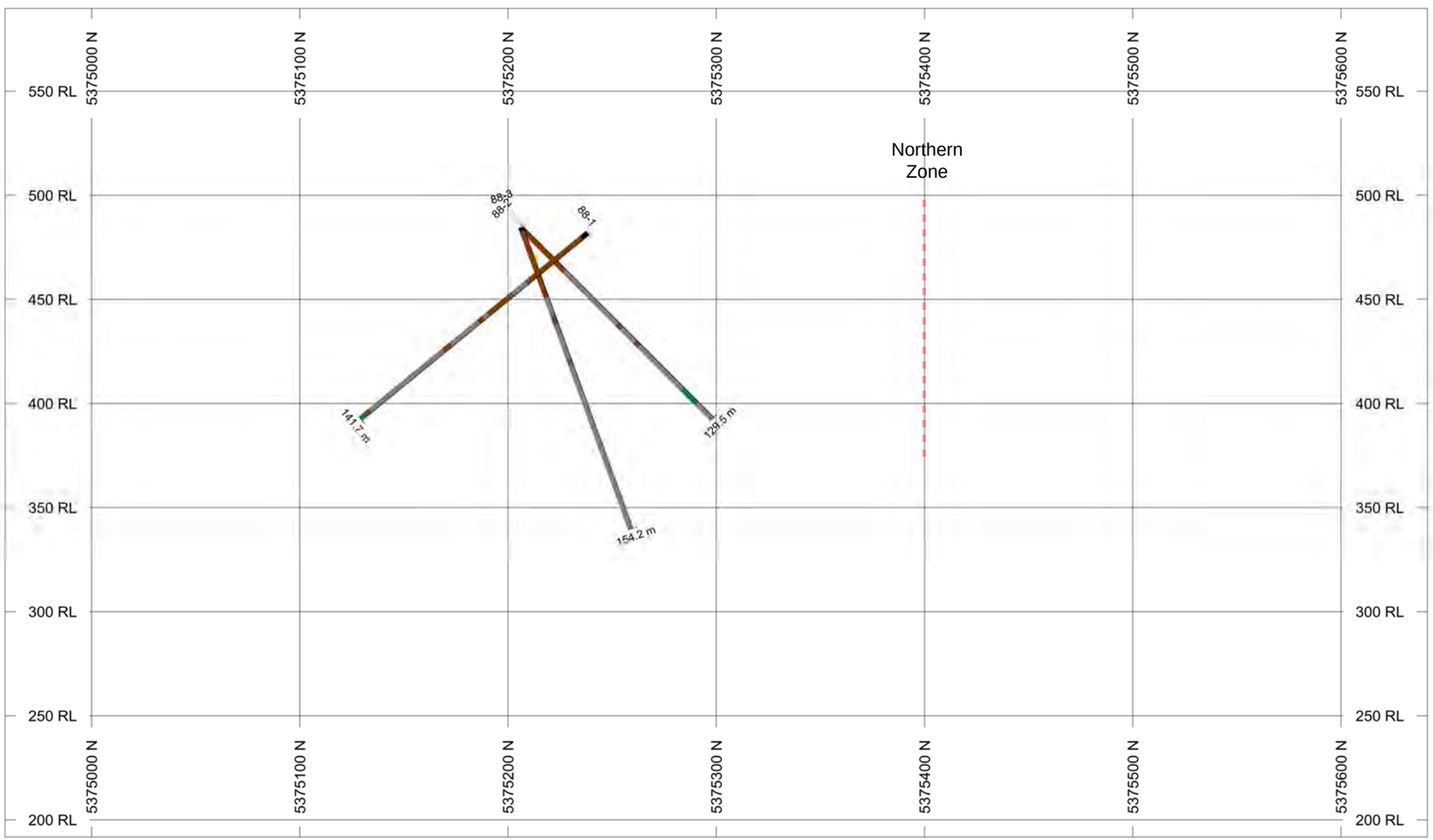
Mill Bay Ventures Inc.

Valentine Mountain Property

Braiteach/BN Zone

Section 430400 East





HOLES PLOTTED

TOTAL 3

88-1 88-2 88-3

BAR GRAPHS	L/R	COL
Au	R	
As	R	

ROCK CODES	PAT	LABEL
Rock_Code		overburden
		metapelite
		metasandstone
		amphibolite
		quartz vein

SECTION SPECS:

REF. PT. E, N	430300 m	5375300 m
EXTENTS	683 m	398 m
SECTION TOP, BOT	589.8 m	191.8 m
TOLERANCE +/-	50 m	

Figure 34

SCALE 1 : 2500

(m)

-20 0 20 40 60 80 100 120

NAD83 / UTM zone 10N

AZIMUTH = 0°

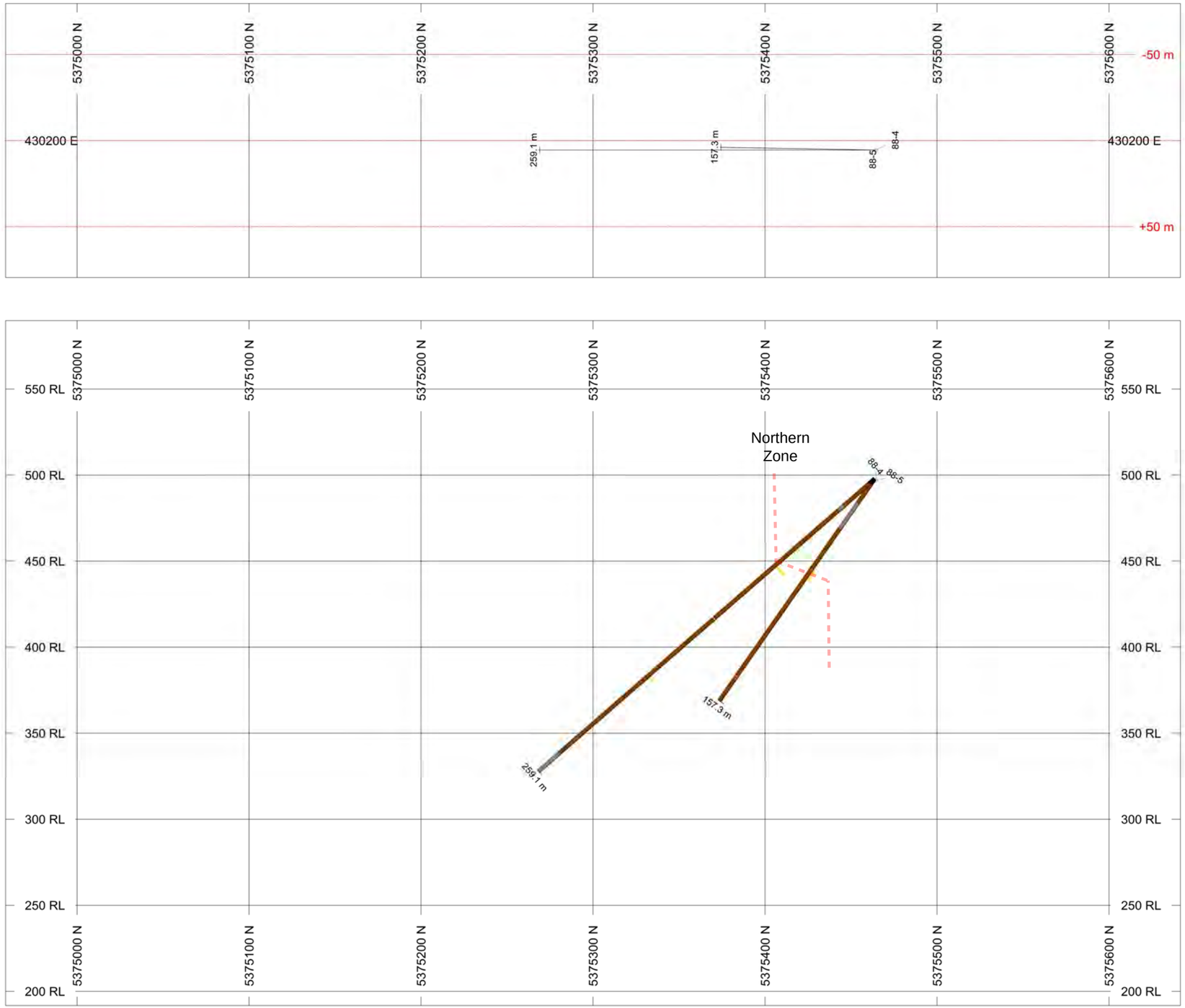
N W E S

Mill Bay Ventures Inc.

Valentine Mountain Property

Braiteach/BN Zone

Section 430300 East



HOLES PLOTTED

TOTAL 2

88-4 88-5

BAR GRAPHS	L/R	COL
Au	R	
As	R	

ROCK CODES	PAT	LABEL
Rock_Code		overburden
		metapelite
		metasandstone
		quartz diorite
		quartz vein

SECTION SPECS:

REF. PT. E, N	430200 m	5375300 m
EXTENTS	683 m	398 m
SECTION TOP, BOT	589.8 m	191.8 m
TOLERANCE +/-	50 m	

Figure 35

SCALE 1 : 2500

(m)

-20 0 20 40 60 80 100 120

NAD83 / UTM zone 10N

AZIMUTH = 0°

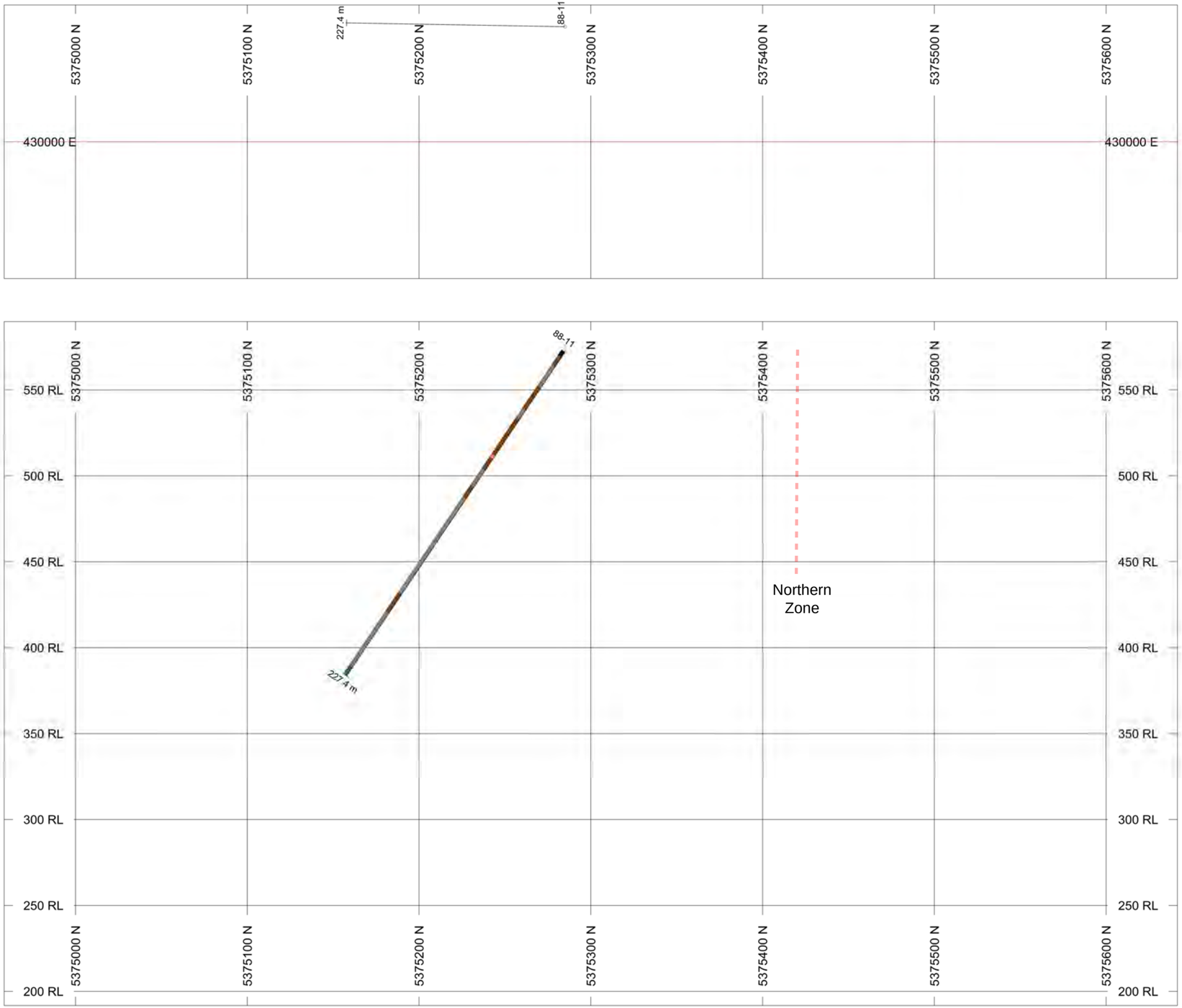
N W E S

Mill Bay Ventures Inc.

Valentine Mountain Property

Braiteach/BN Zone

Section 430200 East



HOLES PLOTTED

TOTAL 1

88-11

BAR GRAPHS	L/R	COL
Au	R	
As	R	

ROCK CODES	PAT	LABEL
Rock_Code		overburden
		metapelite
		metasandstone
		amphibolite
		quartz diorite

SECTION SPECS:

REF. PT. E, N	430000 m	5375300 m
EXTENTS	683 m	398 m
SECTION TOP, BOT	589.8 m	191.8 m
TOLERANCE +/-	150 m	

Figure 36

SCALE 1 : 2500

(m)

-20 0 20 40 60 80 100 120

NAD83 / UTM zone 10N

AZIMUTH = 0°

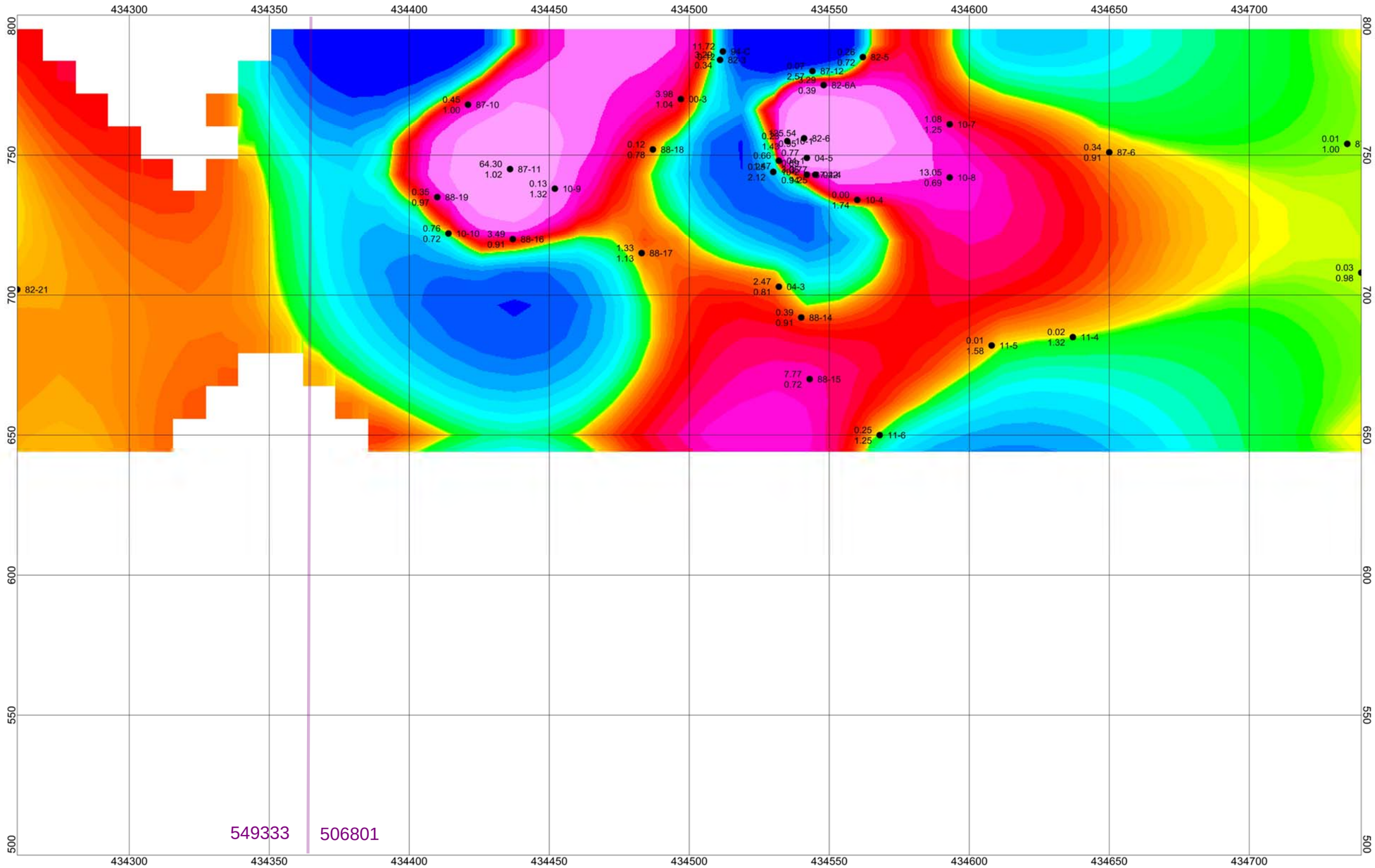
N W E S

Mill Bay Ventures Inc.

Valentine Mountain Property

Braiteach/BN Zone

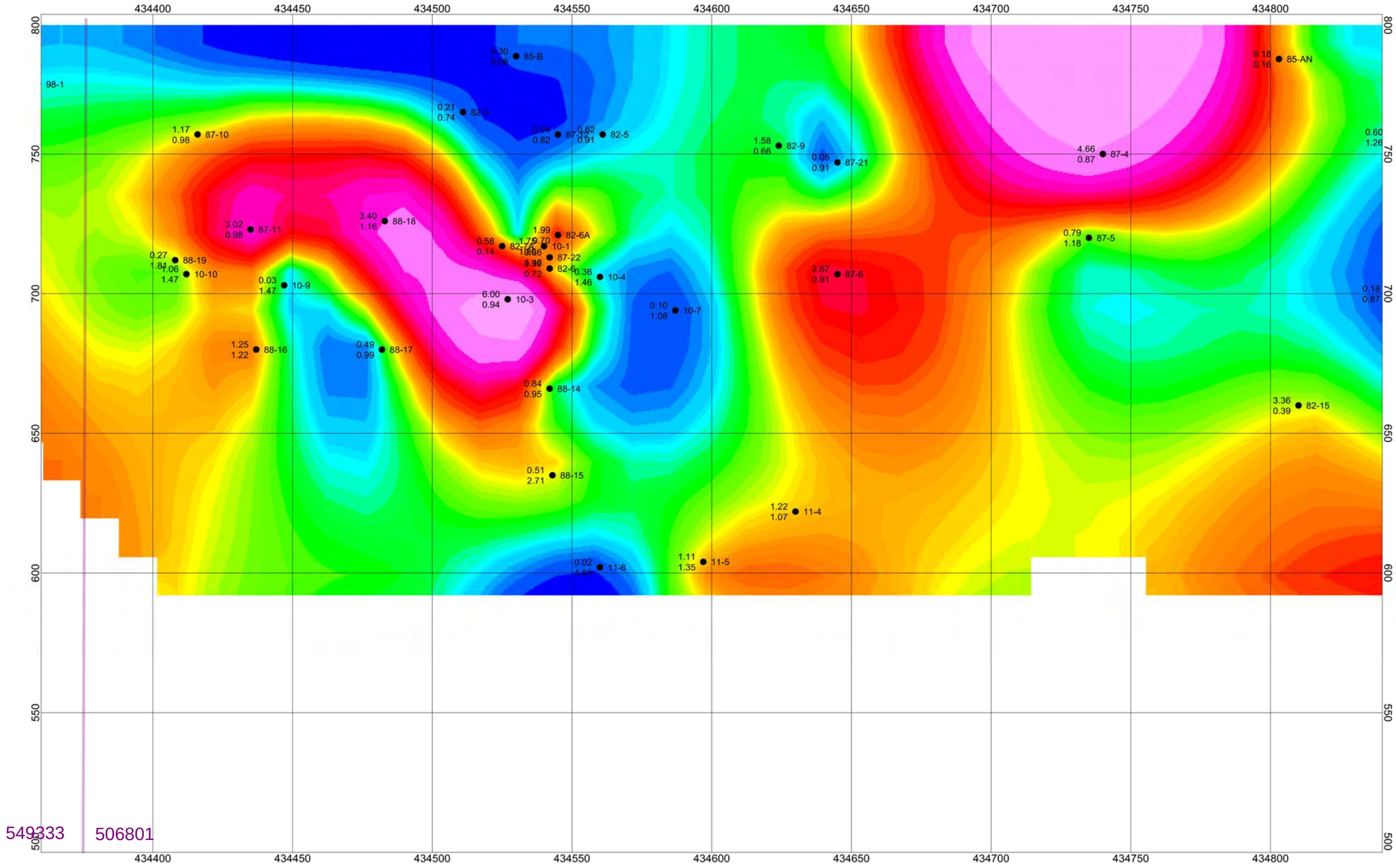
Section 430000 East



25 0 25
(meters)
NAD83 / UTM zone 10N

Valentine Mountain Discovery Zone
Vertical Longitudinal Looking North - C Vein Intercepts
Au (g/t) over True Width (m) with contoured AuxTW

Figure 37



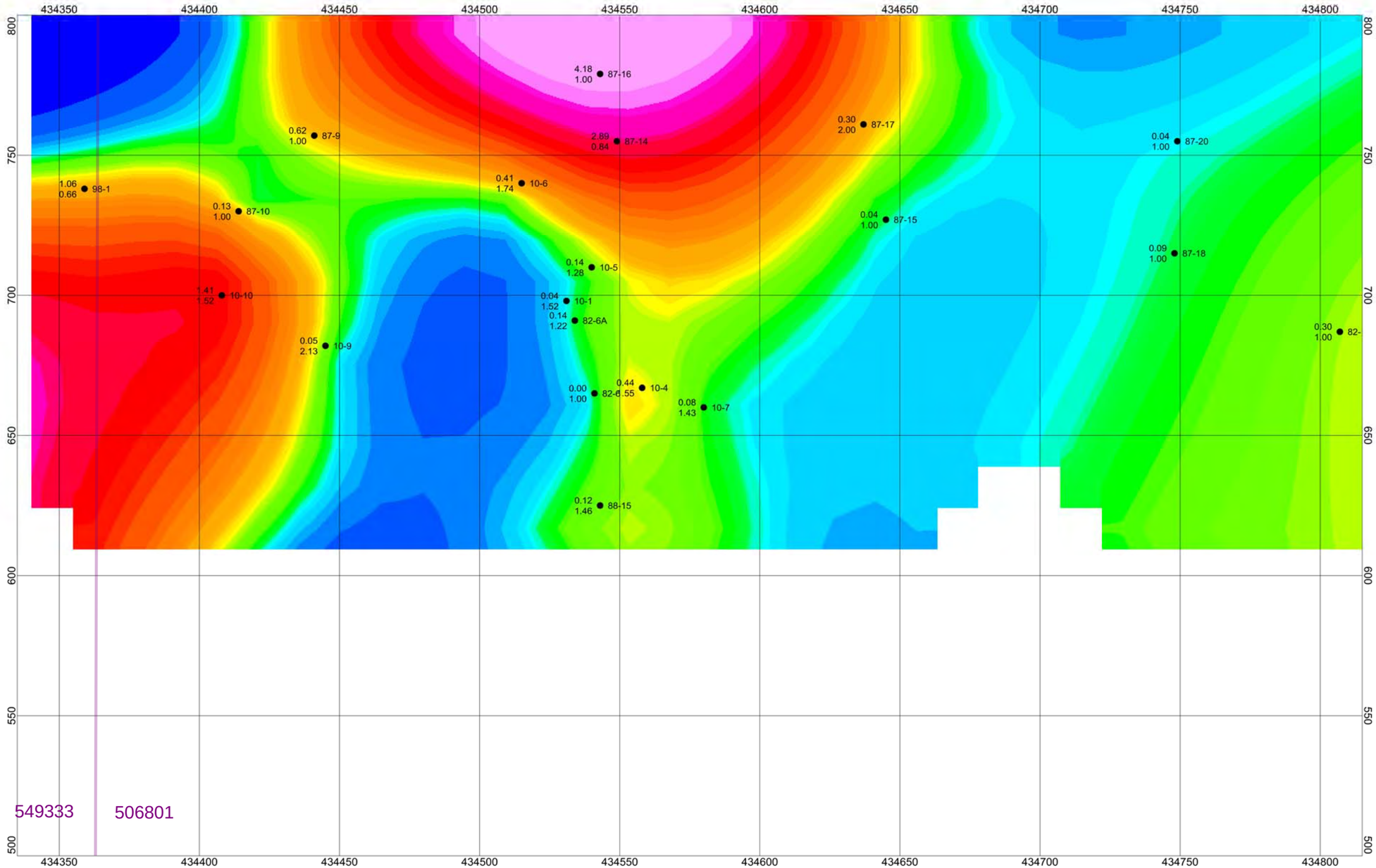
25 0 25
(meters)
NAD83 / UTM zone 10N

Valentine Mountain Discovery Zone

Vertical Longitudinal Looking North - B Vein Intercepts

Au (g/t) over True Width (m) with contoured AuxTW

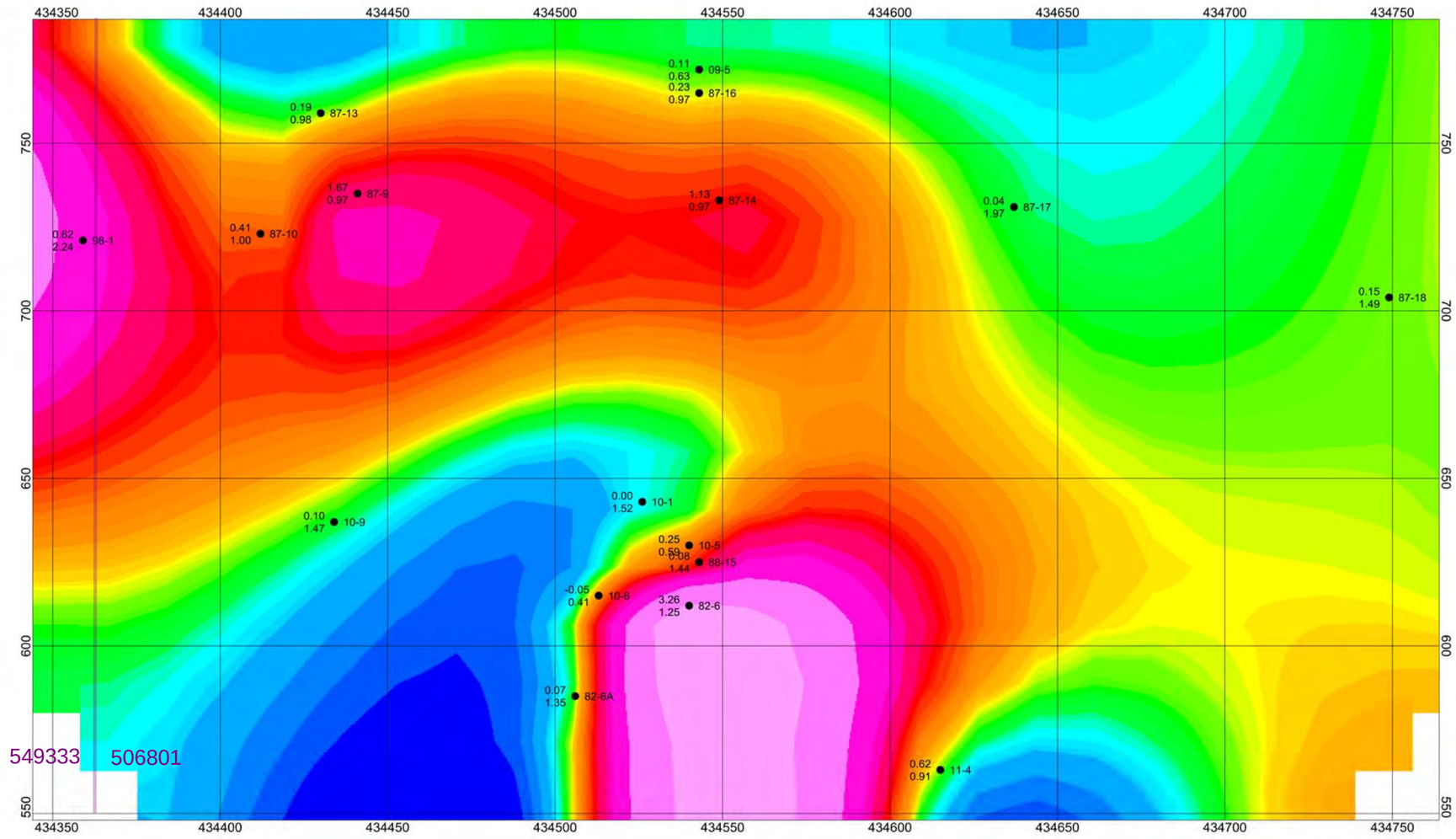
Figure 38



25 0 25
(meters)
NAD83 / UTM zone 10N

Valentine Mountain Discovery Zone
Vertical Longitudinal Looking North - E Vein Intercepts
Au (g/t) over True Width (m) with contoured AuxTW

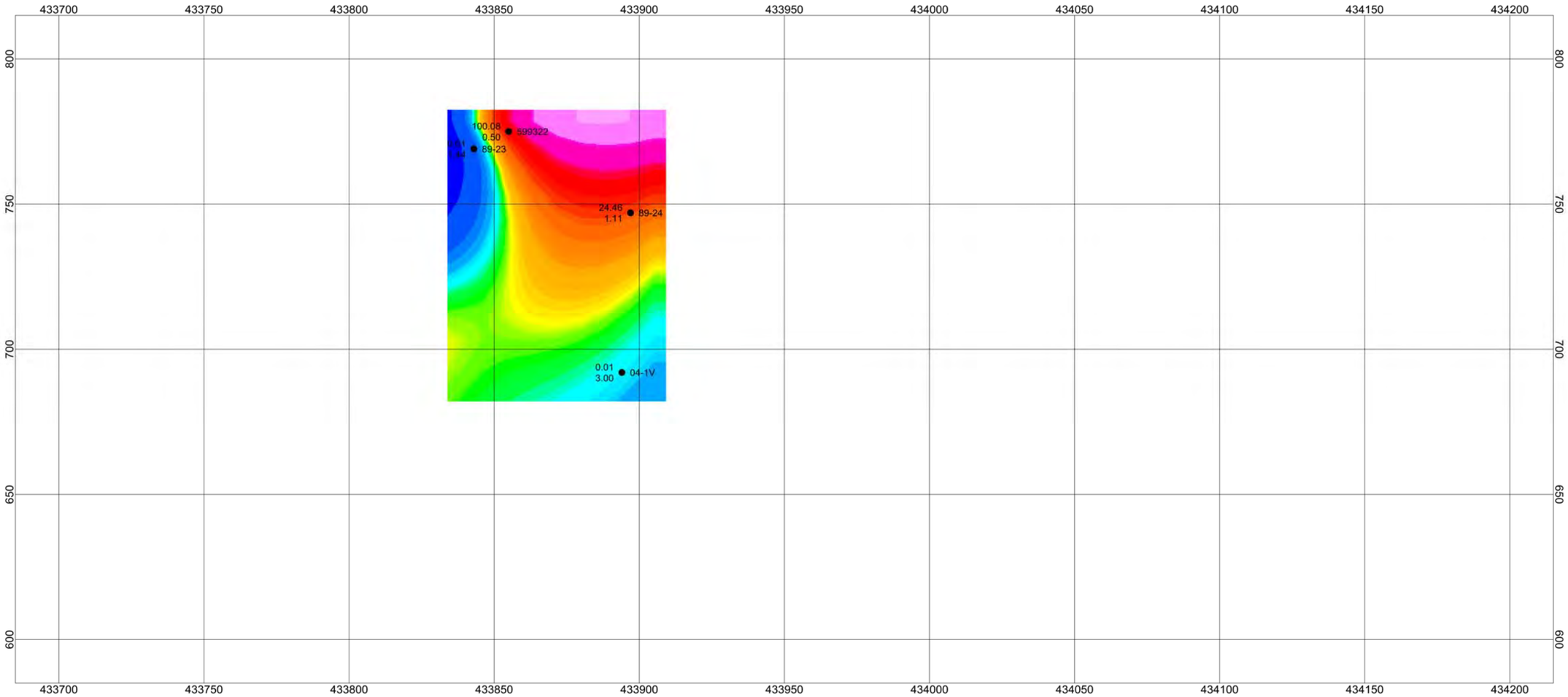
Figure 39



25 0 25
(meters)
NAD83 / UTM zone 10N

Valentine Mountain Discovery Zone
Vertical Longitudinal Looking North - F Vein Intercepts
Au (g/t) over True Width (m) with contoured AuxTW

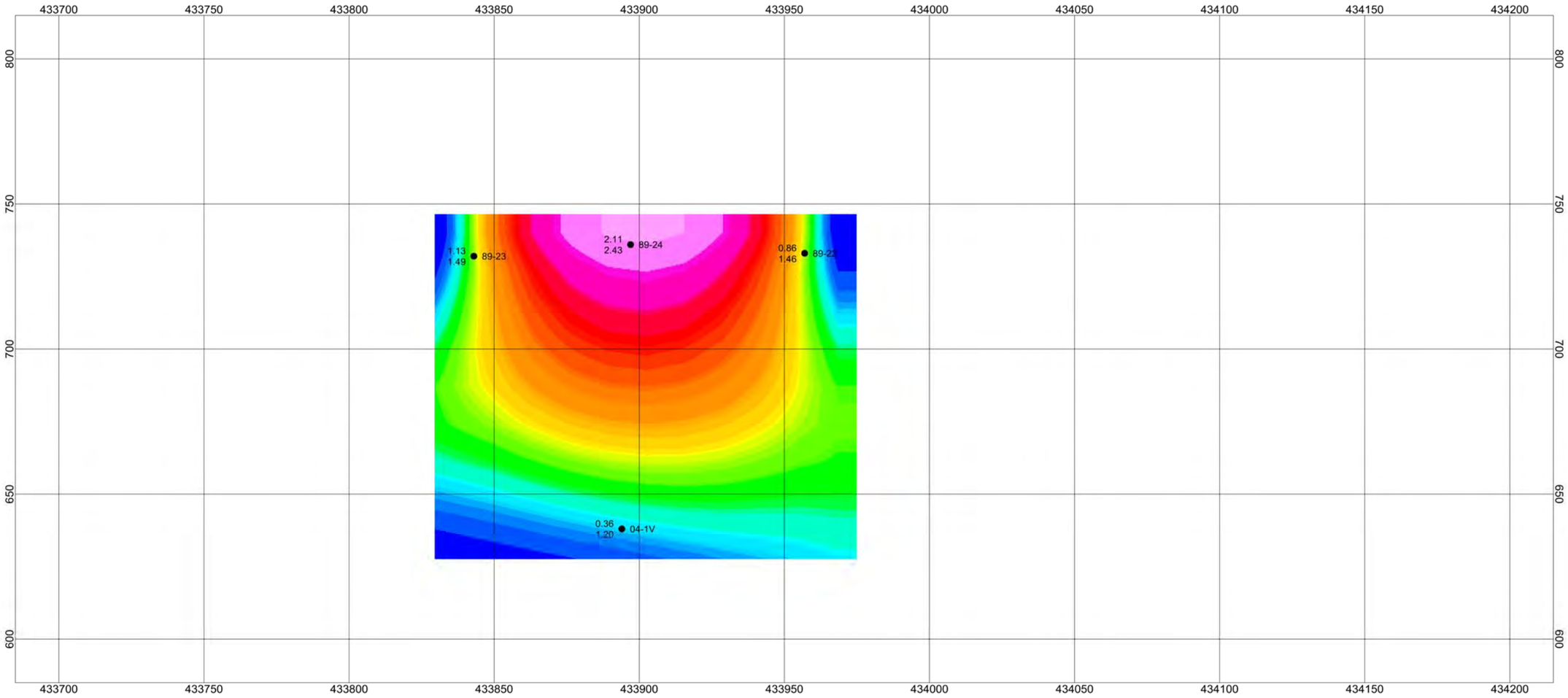
Figure 40



25 0 25
(meters)
NAD83 / UTM zone 10N

Valentine Mountain Discovery West Zone
Vertical Longitudinal Looking North - C Vein Intercepts
Au (g/t) over True Width (m) with contoured AuxTW

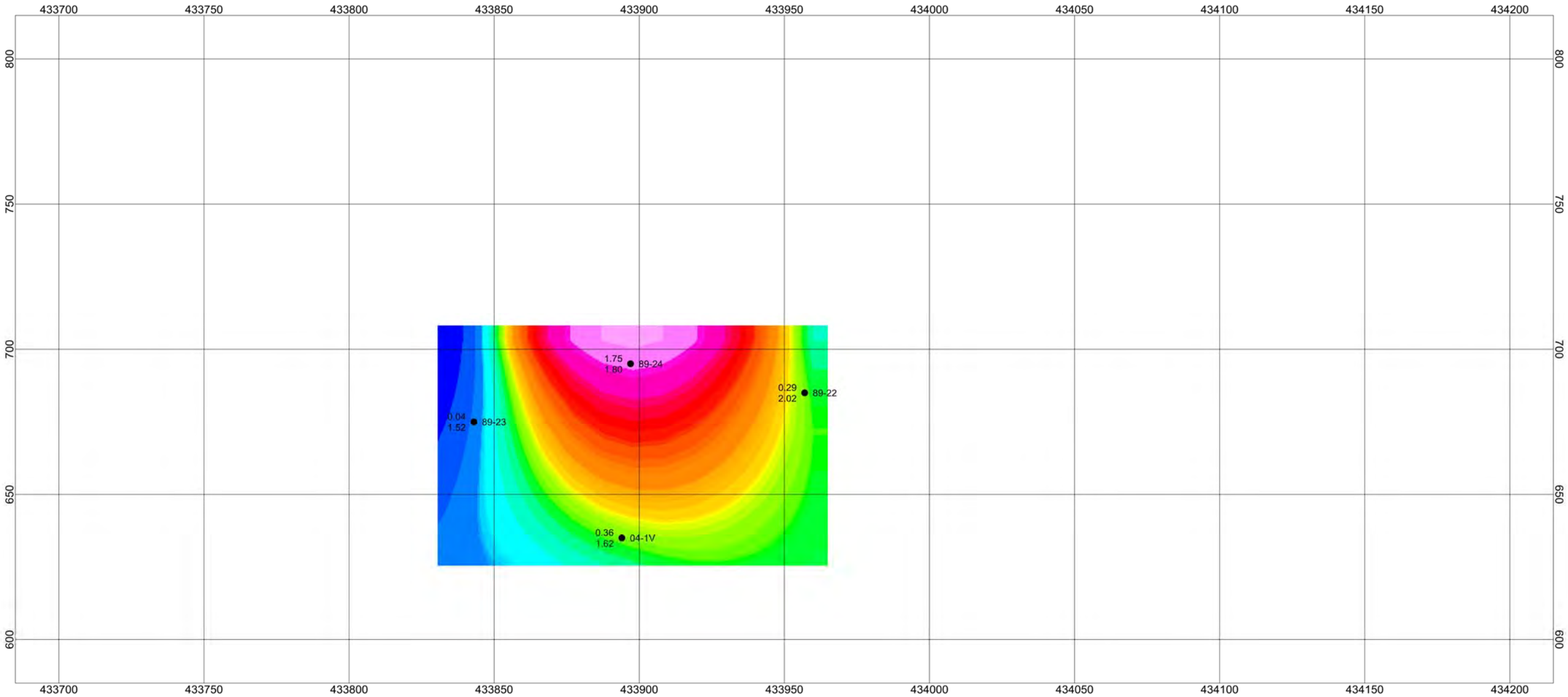
Figure 41



25 0 25
(meters)
NAD83 / UTM zone 10N

Valentine Mountain Discovery West Zone
Vertical Longitudinal Looking North - B Vein Intercepts
Au (g/t) over True Width (m) with contoured AuxTW

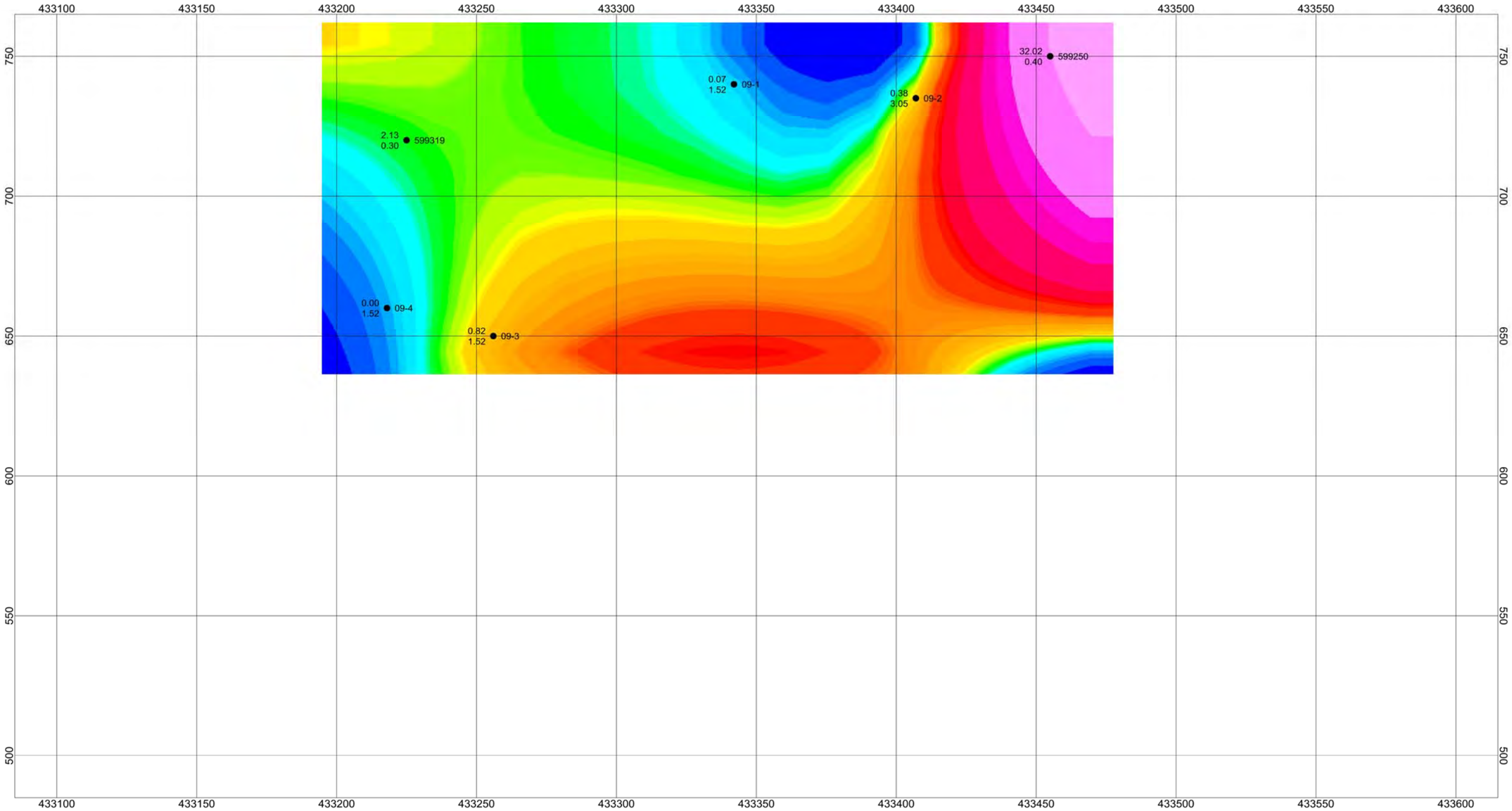
Figure 42



25 0 25
(meters)
NAD83 / UTM zone 10N

Valentine Mountain Discovery West Zone
Vertical Longitudinal Looking North - E Vein Intercepts
Au (g/t) over True Width (m) with contoured AuxTW

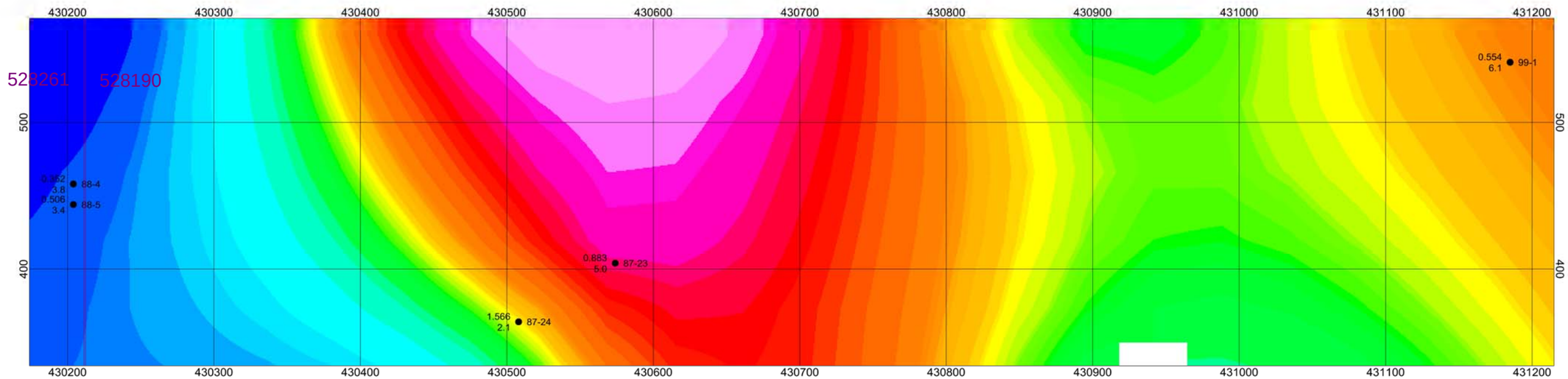
Figure 43



25 0 25
(meters)
NAD83 / UTM zone 10N

Valentine Mountain Discovery Log Dam Zone
Vertical Longitudinal Looking North - Intercepts
Au (g/t) over True Width (m) with contoured AuxTW

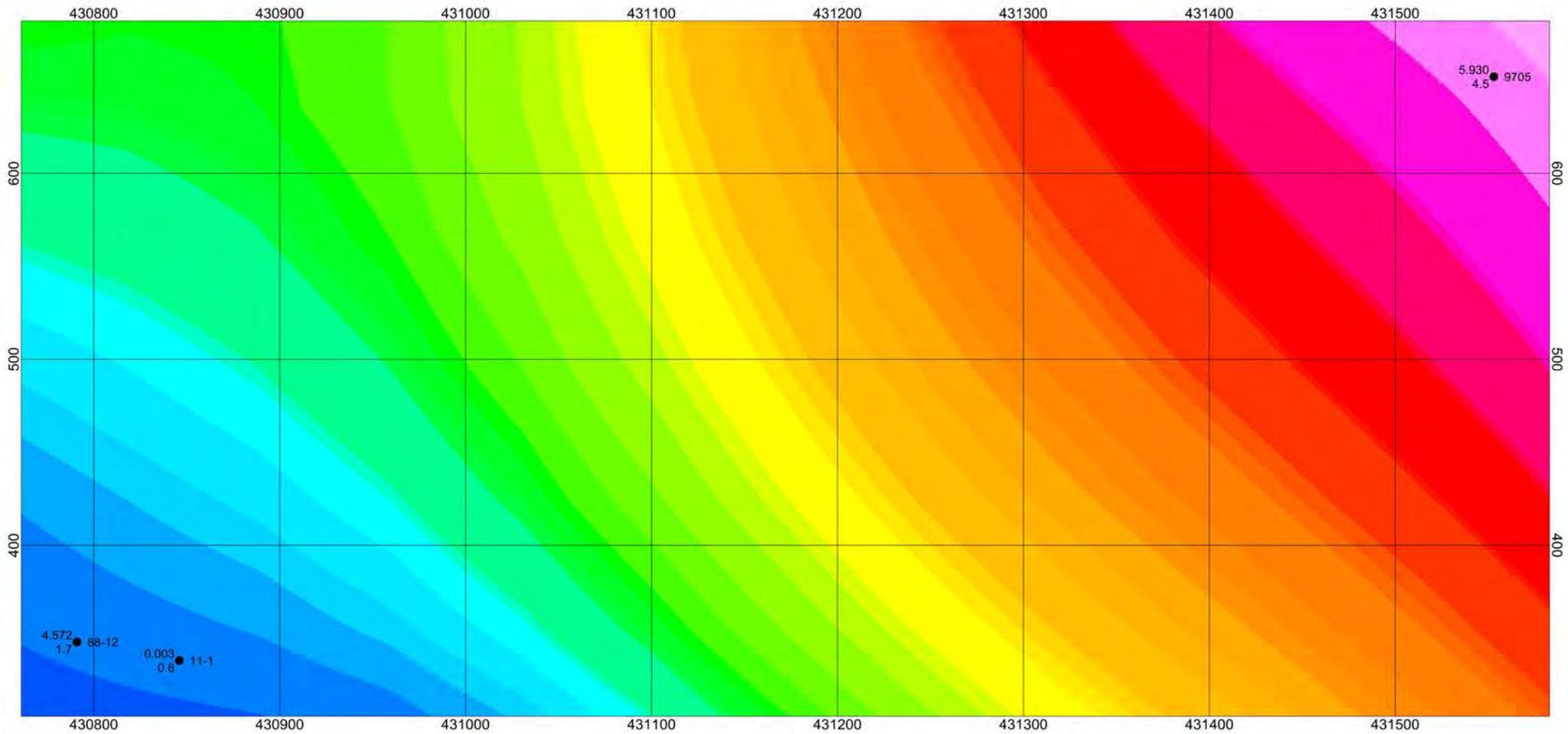
Figure 44



50 0 50
(meters)
NAD83 / UTM zone 10N

Valentine Mountain Braiteach & BN Zone
Vertical Longitudinal Looking North - Northern Zone Intercepts
Au (g/t) over True Width (m) with contoured AuxTW

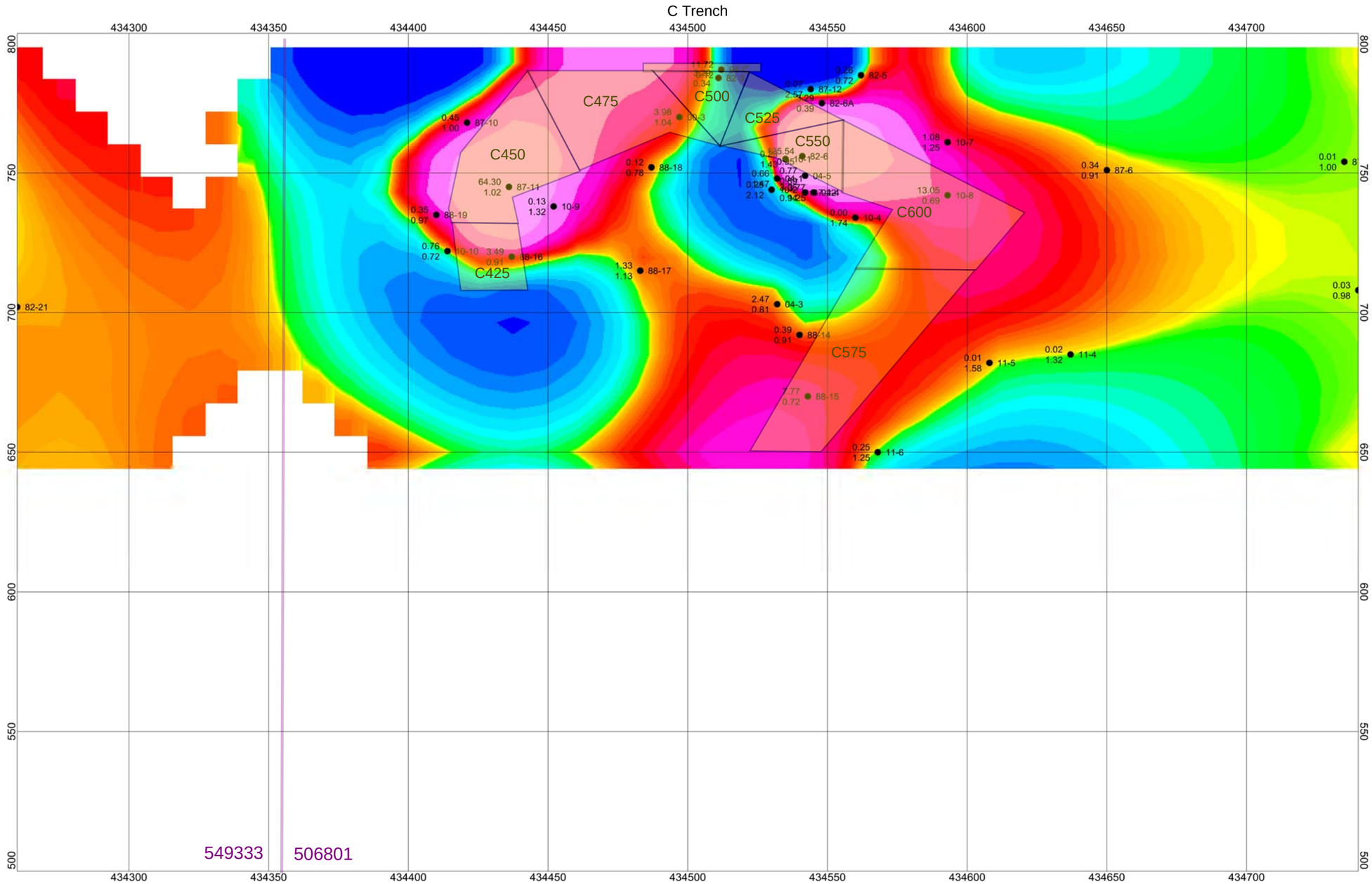
Figure 45



50 0 50
(meters)
NAD83 / UTM zone 10N

Valentine Mountain Braiteach & BN Zone
Vertical Longitudinal Looking North - Southern Zone Intercepts
Au (g/t) over True Width (m) with contoured AuxTW

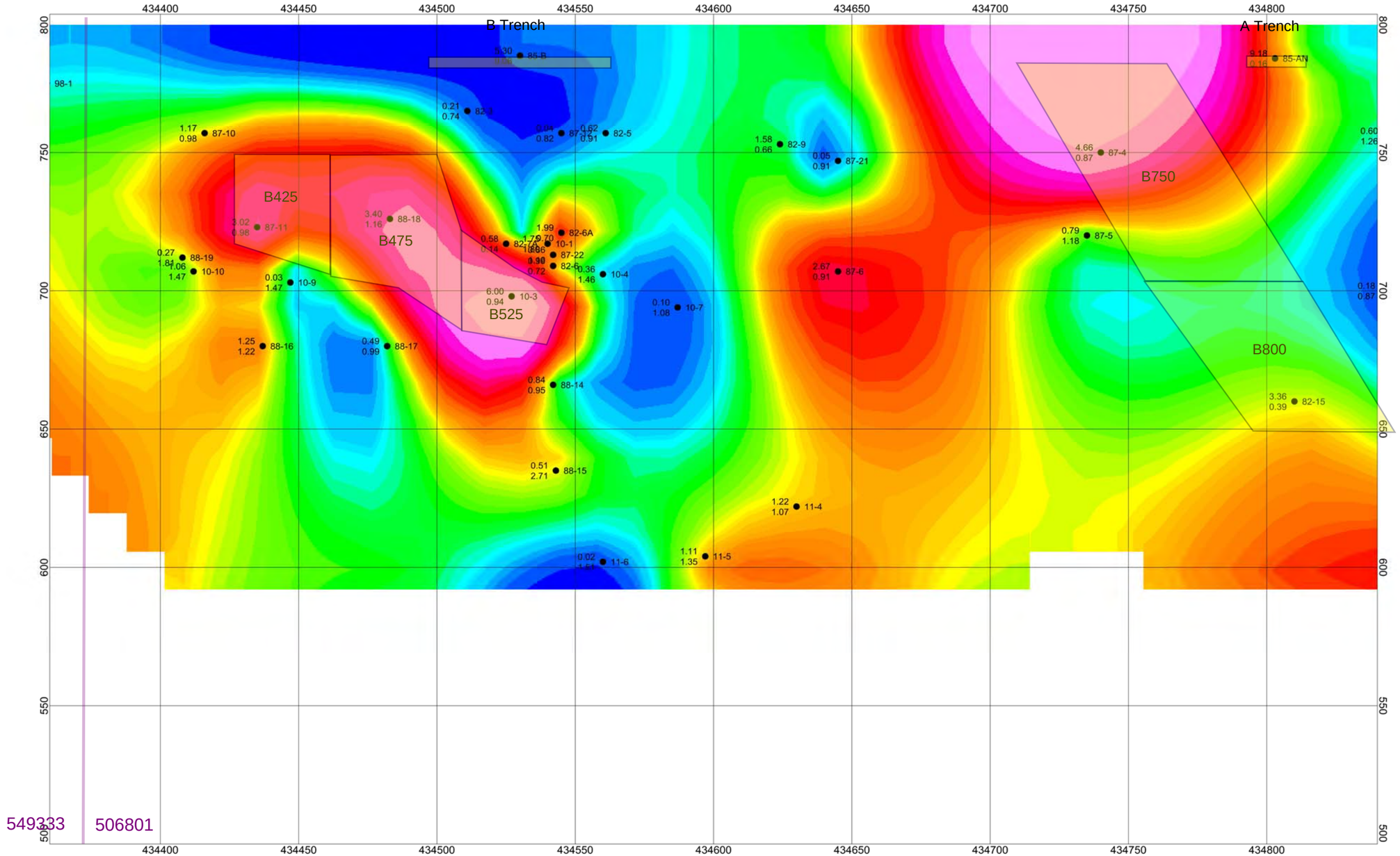
Figure 46



25 0 25
(meters)
NAD83 / UTM zone 10N

Valentine Mountain Discovery Zone
Vertical Longitudinal Looking North - C Vein Intercepts
Au (g/t) over True Width (m) with contoured AuxTW
Showing Resource Blocks

Figure 47



Valentine Mountain Discovery Zone

Vertical Longitudinal Looking North - B Vein Intercepts

Au (g/t) over True Width (m) with contoured AuxTW

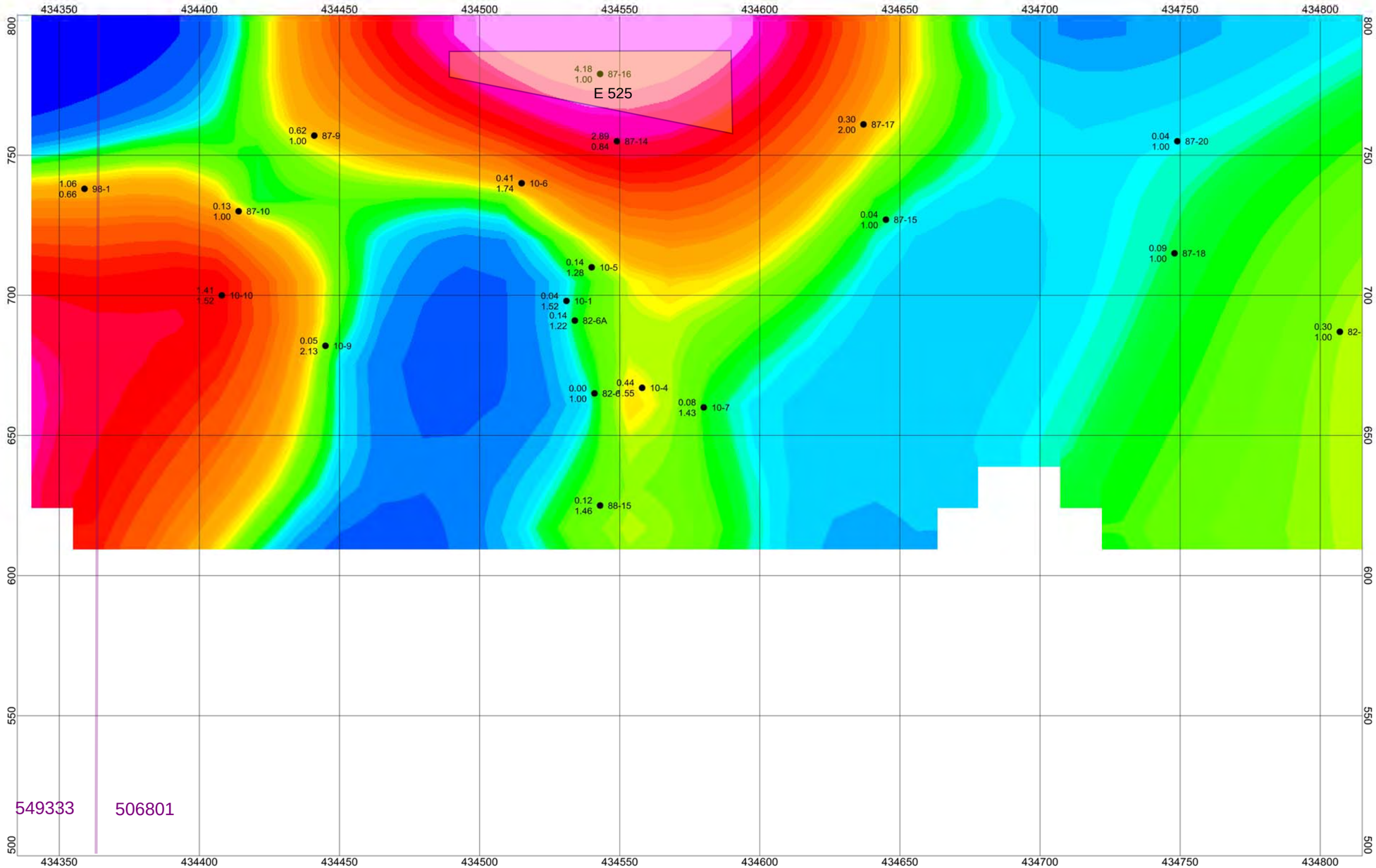
Showing Resource Blocks

Figure 48

25 0 25

(meters)

NAD83 / UTM zone 10N



25 0 25
(meters)
NAD83 / UTM zone 10N

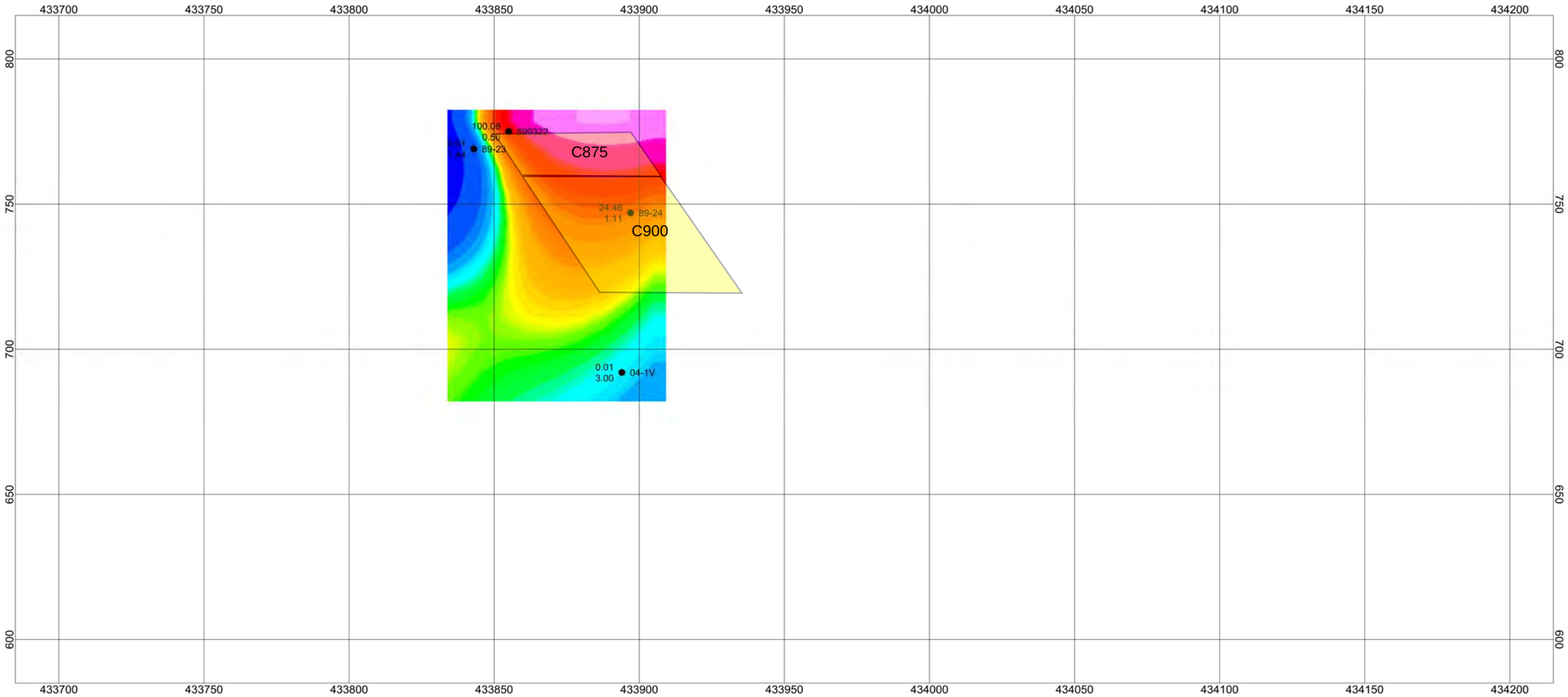
Valentine Mountain Discovery Zone

Vertical Longitudinal Looking North - E Vein Intercepts

Au (g/t) over True Width (m) with contoured AuxTW

Showing Resource Blocks

Figure 49



25 0 25
(meters)
NAD83 / UTM zone 10N

Valentine Mountain Discovery West Zone

Vertical Longitudinal Looking North - C Vein Intercepts

Au (g/t) over True Width (m) with contoured AuxTW

Showing Resource Blocks

Figure 50

Appendix 2

2010 and 2011 Diamond Drill Logs

Logged by Andris Kikauka, P.Geo.

Edited by Jacques Houle, P.Eng.

Valentine Mountain Project Drill Core Log and Sample Record

Date/Target:	**November, 2010 / Discovery Zone twin 82-6**		**Pajari Test**	**Azimuth**	**Dip**	**Hole Number:**		**10-1**	
Location:	**UTM NAD83 Zone 10N 434538E 5374212N 824 m. elevation uncorrected**		**720 feet**	**350**	**-30**	**Collar Azimuth:**		**0**	
Total Length:	**720 feet = 219.46 metres**		**219.46 metres**	**350**	**-30**		**Collar Dip:**	**-60**	
Interval (m)	**Description**	**Rx**	**Sample No**	**From (m)**	**To (m)**	**Length (m)**	**Au g/t**	**Ag g/t**	**As ppm**
1.52	Overburden	casing		0.00	1.52	1.52			
0.58	Metapelite	1		1.52	2.10	0.58			
1.07	Metapelite	1	164351	2.10	3.17	1.07	0.004	0.13	26.8
4.45	Metapelite	1		3.17	4.88	1.71			
1.52	Metapelite	1	164352	4.88	7.62	2.74	0.105	0.09	60.8
1.52	Metapelite	1	164353	7.62	9.14	1.52	0.01	0.06	5.4
1.52	Metapelite	1	164354	9.14	10.67	1.52	0.005	0.07	3.2
1.52	Metapelite	1	164355	10.67	12.19	1.52	0.001	0.04	2.2
1.52	Metapelite	1	164356	12.19	13.72	1.52	0.001	0.04	2.3
1.52	Metapelite	1	164357	13.72	15.24	1.52	0.001	0.05	1.2
1.52	Metapelite	1	164358	15.24	16.76	1.52	0.001	0.07	14.9
1.52	Metapelite	1	164359	16.76	18.29	1.52	0.001	0.07	0.9
1.52	Metapelite	1	164360	18.29	19.81	1.52	0.001	0.08	2.4
1.52	Metapelite	1	164361	19.81	21.34	1.52	<0.001	0.1	2.1
1.52	Metapelite	1	164362	21.34	22.86	1.52	<0.001	0.12	1.1
1.52	Metasandstone	2	164363	22.86	24.38	1.52	0.001	0.06	0.5
1.52	Metasandstone	2	164364	24.38	25.91	1.52	0.001	0.07	0.7
1.52	Metapelite	1	164365	25.91	27.43	1.52	0.001	0.05	1.4
1.52	Metapelite	1	164366	27.43	28.96	1.52	0.001	0.07	1.9
1.52	Metapelite	1	164367	28.96	30.48	1.52	0.001	0.08	1.8
1.52	Metapelite	1	164368	30.48	32.00	1.52	0.001	0.07	70
1.65	Metapelite	1	164369	32.00	33.53	1.52	0.001	0.08	14.5
3.54	Metasandstone	2	164370	33.53	35.17	1.65	0.001	0.05	2
1.52	Metasandstone	2		35.17	38.71	3.54			
0.91	Metasandstone	2	164371	38.71	40.23	1.52	0.001	0.08	10.5
0.52	Metapelite	1	164372	40.23	41.15	0.91	0.025	0.1	14.2
1.01	Quartz Vein	6	164373	41.15	41.67	0.52	0.102	0.28	790
1.22	Metapelite	6	164374	41.67	42.67	1.01	0.005	0.08	9.9
1.22	Metapelite	1	164375	42.67	43.89	1.22	0.002	0.1	3.5
3.35	Metapelite	1	164376	43.89	45.11	1.22	0.007	0.15	3.1
0.61	Metapelite	1		45.11	48.46	3.35			
1.83	Metapelite	1	164377	48.46	49.07	0.61	0.002	0.1	5.6
0.46	Metapelite	1		49.07	50.90	1.83			
0.88	Quartz Vein	6	164378	50.90	51.36	0.46	<0.001	0.06	7.9
0.46	Metapelite	1		51.36	52.24	0.88			
1.55	Quartz Vein	6	164379	52.24	52.70	0.46	0.001	0.06	6.3
0.61	Metapelite	1		52.70	54.25	1.55			
0.12	Quartz Vein	6	164380	54.25	54.86	0.61	0.001	0.06	10.3
1.40	Metapelite	1		54.86	54.99	0.12			
1.52	Metapelite	1	164381	54.99	56.39	1.40	<0.001	0.07	6.8
1.52	Metapelite	1	164382	56.39	57.91	1.52	0.015	0.07	12
1.52	Metapelite	1	164383	57.91	59.44	1.52	0.005	0.13	15.8
1.37	Metapelite	1	164384	59.44	60.96	1.52	0.002	0.08	8.4
3.96	Metapelite	1	164385	60.96	62.33	1.37	0.002	0.12	7.8
1.83	Metapelite	1		62.33	66.29	3.96			
1.37	Metapelite	1	164386	66.29	68.12	1.83	0.002	0.08	6.6
0.91	Quartz Vein	6	164387	68.12	69.49	1.37	0.002	0.12	4
1.52	Metapelite	1	164388	69.49	70.41	0.91	0.002	0.08	1.4
1.37	Metapelite	1	164389	70.41	71.93	1.52	0.003	0.11	3.5
1.37	Metapelite	1	164390	71.93	73.30	1.37	0.003	0.13	135.5
1.52	Metapelite	1	164391	73.30	74.68	1.37	0.003	0.13	69.1
1.52	Metapelite	1	164392	74.68	76.20	1.52	0.002	0.12	8.7
1.52	Metapelite	1	164393	76.20	77.72	1.52	0.004	0.11	47.7
1.10	Metapelite	1	164394	77.72	79.25	1.52	0.005	0.14	11.8
3.78	Metapelite	1	164395	79.25	80.35	1.10	0.032	0.19	14.4
1.52	Metapelite	1		80.35	84.12	3.78			
0.91	Metapelite	1	164396	84.12	85.65	1.52	0.002	0.1	2.8
1.83	Metapelite	1	164397	85.65	86.56	0.91	0.005	0.12	6.8
1.52	Metapelite	1	164398	86.56	88.39	1.83	0.409	0.21	27.4
1.52	Metapelite	1	164399	88.39	89.92	1.52	0.026	0.09	4.3
1.52	Metapelite	1	164400	89.92	91.44	1.52	0.009	0.09	19.6
1.52	Metapelite	1	164401	91.44	92.96	1.52	0.004	0.08	16.3
1.52	Metapelite	1	164402	92.96	94.49	1.52	0.64	0.11	56.1
1.52	Metasandstone	2	164403	94.49	96.01	1.52	0.009	0.09	22.1
1.52	Amphibolite	3	164404	96.01	97.54	1.52	0.008	0.07	3.3
1.52	Amphibolite	3	164405	97.54	99.06	1.52	0.009	0.07	0.6
1.52	Amphibolite	3	164406	99.06	100.58	1.52	0.007	0.04	1.8
1.52	Amphibolite	3	164407	100.58	102.11	1.52	0.005	0.05	2.4
1.52	Quartz Vein	6	164408	102.11	103.63	1.52	0.003	0.04	5
3.66	Amphibolite	3	164409	103.63	105.16	1.52	0.004	0.04	1.6
1.52	Amphibolite	3		105.16	108.81	3.66			
1.52	Amphibolite	3	164410	108.81	110.34	1.52	0.016	0.16	9.4
31.39	Amphibolite	3	164411	110.34	111.86	1.52	0.041	0.02	0.4
1.52	Amphibolite	3		111.86	125.88	14.02			
3.02	Quartz Diorite	5		125.88	128.90	3.02			
1.52	Amphibolite	3	164412	128.90	144.78	15.88	0.005	0.04	0.8
1.52	Amphibolite	3	164413	144.78	146.30	1.52	0.036	0.04	0.6
1.52	Amphibolite	3	164414	146.30	147.83	1.52	0.061	0.04	0.8
1.52	Amphibolite	3	164415	147.83	149.35	1.52	0.03	0.03	0.8
1.52	Amphibolite	3	164416	149.35	150.88	1.52	0.006	0.02	1.1
1.83	Amphibolite	3	164417	150.88	152.40	1.52	0.01	0.02	1.4
18.29	Amphibolite	3	164418	152.40	154.23	1.83	0.015	0.03	1
1.52	Amphibolite	3	164419	154.23	172.52	18.29	0.004	0.04	1.6
1.83	Amphibolite	3	164420	172.52	174.04	1.52	0.004	0.13	1.3
2.01	Amphibolite	3	164421	174.04	175.87	1.83	0.012	0.04	1
6.07	Amphibolite	3	164422	175.87	177.88	2.01	0.005	0.05	2
1.98	Amphibolite	3	164423	177.88	183.95	6.07	0.004	0.07	2.5
1.52	Amphibolite	3	164424	183.95	185.93	1.98	0.003	0.02	4.4
1.52	Amphibolite	3	164425	185.93	187.45	1.52	0.006	0.04	3.8
1.52	Amphibolite	3	164426	187.45	188.98	1.52	0.006	0.05	11.6
1.52	Amphibolite	3	164427	188.98	190.50	1.52	0.002	0.07	13.5
1.52	Metapelite	1	164428	190.50	192.02	1.52	0.002	0.13	3.3
1.52	Metapelite	1	164429	192.02	193.55	1.52	0.001	0.15	5
1.52	Metapelite	1	164430	193.55	195.07	1.52	0.001	0.19	96.3
1.52	Metapelite	1	164431	195.07	196.60	1.52	0.006	0.17	747
1.52	Metapelite	1	164432	196.60	198.12	1.52	0.001	0.11	78.9
1.52	Metapelite	1	164433	198.12	199.64	1.52	0.001	0.12	81.9
1.52	Metapelite	1	164434	199.64	201.17	1.52	0.001	0.07	350
1.52	Metapelite	1	164435	201.17	202.69	1.52	0.003	0.09	315
1.52	Metapelite	1	164436	202.69	204.22	1.52	0.002	0.14	34.2
1.52	Metapelite	1	164437	204.22	205.74	1.52	0.004	0.14	27.7
9.14	Metapelite	1	164438	205.74	207.26	1.52	0.001	0.12	15.8
1.52	Metapelite	1	164439	207.26	216.41	9.14	0.013	0.14	13.2
1.52	Metapelite	1	164440	216.41	217.93	1.52	0.003	0.2	20.9
1.52	Metapelite	1	164441	217.93	219.46	1.52	0.001	0.19	10.7

VA10170273 - Finalized
CLIENT : "MILBAVE - Mill Bay Ventures"
# of SAMPLES : 148
DATE RECEIVED : 2010-11-16 DATE FINALIZED : 2010-12-07
PROJECT : "Valentine"
CERTIFICATE COMMENTS : "ME-MS41:Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g). "
PO NUMBER : " "

	Au-TL44	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
SAMPLE	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co
DESCRIPTION	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
164351	0.004	0.13	2.12	26.8	<0.2	<10	430	0.09	0.06	0.26	0.26	8.86	11
164352	0.105	0.09	2.26	60.8	<0.2	<10	440	0.11	0.06	1.31	0.09	9.05	13.5
164353	0.01	0.06	2.11	5.4	<0.2	<10	480	0.09	0.06	0.71	0.06	7.6	13.1
164354	0.005	0.07	1.99	3.2	<0.2	<10	420	0.12	0.08	0.58	0.06	8.85	12.5
164355	0.001	0.04	1.88	2.2	<0.2	<10	500	0.08	0.04	0.6	0.03	6.83	12.3
164356	0.001	0.04	1.97	2.3	<0.2	<10	490	0.08	0.04	0.7	0.02	7.14	12.3
164357	0.001	0.05	2.05	1.2	<0.2	<10	520	0.08	0.05	0.52	0.04	5.57	12
164358	0.001	0.07	2.31	14.9	<0.2	<10	450	0.12	0.08	0.85	0.07	7.07	12.9
164359	0.001	0.07	2.29	0.9	<0.2	<10	460	0.12	0.1	0.47	0.06	7.79	12.7
164360	0.001	0.08	2.41	2.4	<0.2	<10	410	0.12	0.13	0.33	0.04	14.55	13.5
164361	<0.001	0.1	2.75	2.1	<0.2	<10	340	0.12	0.21	0.25	0.05	18.1	17
164362	<0.001	0.12	3.16	1.1	<0.2	<10	440	0.13	0.19	0.46	0.06	17.1	19.6
164363	0.001	0.06	2.16	0.5	<0.2	<10	430	0.09	0.09	0.32	0.03	13.1	12.5
164364	0.001	0.07	2.47	0.7	<0.2	<10	440	0.1	0.12	0.23	0.05	13.25	14.4
164365	0.001	0.05	2.27	1.4	<0.2	<10	410	0.11	0.08	0.85	0.06	9.57	11.9
164366	0.001	0.07	2.2	1.9	<0.2	<10	450	0.15	0.1	0.7	0.07	7.47	12.9
164367	0.001	0.08	2.46	1.8	<0.2	<10	490	0.14	0.08	1.32	0.09	7.47	12.5
164368	0.001	0.07	2.41	70	<0.2	<10	450	0.14	0.09	0.64	0.07	9.63	13
164369	0.001	0.08	2.16	14.5	<0.2	<10	520	0.11	0.08	0.88	0.08	7.78	12
164370	0.001	0.05	2.03	2	<0.2	<10	470	0.11	0.05	0.65	0.04	8.04	13
164371	0.001	0.08	2.44	10.5	<0.2	<10	480	0.13	0.09	0.69	0.05	8.43	12.2
B-1	0.006	0.15	2.13	0.1	<0.2	<10	10	0.07	0.01	1.63	0.09	5.71	21.5
164372	0.025	0.1	2.2	14.2	<0.2	<10	400	0.1	0.06	1.08	0.07	7.52	12
164373	0.102	0.28	2.53	790	0.2	<10	400	0.22	0.16	0.78	0.13	10.15	15.2
164374	0.005	0.08	2.39	9.9	<0.2	<10	510	0.12	0.04	0.5	0.06	13.4	12.3
164375	0.002	0.1	2.37	3.5	<0.2	<10	400	0.11	0.13	0.32	0.05	18.1	13.6
164376	0.007	0.15	3.04	3.1	<0.2	<10	320	0.15	0.26	0.64	0.08	16.1	16.5
164377	0.002	0.1	2.55	5.6	<0.2	<10	420	0.18	0.13	0.53	0.1	12.15	13
164378	<0.001	0.06	2.47	7.9	<0.2	<10	480	0.13	0.1	0.59	0.07	12.15	11.5
164379	0.001	0.06	2.49	6.3	<0.2	<10	450	0.22	0.06	0.81	0.07	12.85	10.4
164380	0.001	0.06	2.41	10.3	<0.2	<10	410	0.18	0.07	0.81	0.08	11.4	11.6
164381	<0.001	0.07	2.2	6.8	<0.2	<10	410	0.11	0.08	0.89	0.06	11.1	12
164382	0.015	0.07	2.12	12	<0.2	<10	340	0.19	0.08	0.7	0.1	13.35	11.9
164383	0.005	0.13	2.37	15.8	<0.2	<10	360	0.23	0.14	0.57	0.12	15.45	14
164384	0.002	0.08	2.33	8.4	<0.2	<10	460	0.16	0.11	0.62	0.07	10.75	12.6
164385	0.002	0.12	2.1	7.8	<0.2	<10	420	0.14	0.06	1.09	0.08	10.6	11.5
164386	0.002	0.08	2.42	6.6	<0.2	<10	550	0.13	0.1	0.56	0.06	9.11	13.4
164387	0.002	0.12	2.68	4	<0.2	<10	540	0.14	0.12	0.44	0.05	12.9	14
164388	0.002	0.08	2.62	1.4	<0.2	<10	560	0.14	0.08	0.52	0.04	11.85	13.7
164389	0.003	0.11	2.48	3.5	<0.2	<10	350	0.16	0.13	0.32	0.04	18.5	13.2
164390	0.003	0.13	3.39	135.5	<0.2	<10	530	0.19	0.22	0.4	0.05	19.4	20.2
164391	0.003	0.13	3.32	69.1	<0.2	<10	400	0.21	0.2	0.94	0.07	19.6	19.3
B-2	0.011	0.17	2.57	0.2	<0.2	<10	10	0.06	0.02	1.78	0.06	3.79	21.5
164392	0.002	0.12	2.49	8.7	<0.2	<10	320	0.15	0.19	0.28	0.05	19.8	15.7
164393	0.004	0.11	3.17	47.7	<0.2	<10	400	0.25	0.2	0.47	0.04	19.5	21.8
164394	0.005	0.14	3.77	11.8	<0.2	<10	390	0.36	0.21	1.39	0.07	18.95	17.5
164395	0.032	0.19	2.72	14.4	<0.2	<10	410	0.16	0.24	0.28	0.04	21.2	18.4
164396	0.002	0.1	2.25	2.8	<0.2	<10	330	0.22	0.06	0.73	0.07	19.65	11.7
164397	0.005	0.12	1.82	6.8	<0.2	<10	130	0.51	0.09	1.06	0.12	27.8	11.2
164398	0.409	0.21	3.05	27.4	0.3	<10	430	0.2	0.19	0.54	0.06	18.45	16.6
164399	0.026	0.09	2.44	4.3	<0.2	<10	420	0.12	0.09	0.46	0.04	13.7	13.8
164400	0.009	0.09	2.38	19.6	<0.2	<10	500	0.13	0.1	0.89	0.07	9.93	13.7
164401	0.004	0.08	2.61	16.3	<0.2	<10	540	0.14	0.07	0.67	0.07	10.75	12.2
164402	0.122	0.11	2.6	56.1	<0.2	<10	520	0.13	0.08	1.38	0.09	9.96	11.6
164403	0.009	0.09	2.19	22.1	<0.2	<10	390	0.11	0.05	0.71	0.07	8.82	11.1
164404	0.008	0.07	2.29	3.3	<0.2	<10	380	0.12	0.03	0.69	0.06	9.93	13.4
164405	0.009	0.07	3.82	0.6	<0.2	<10	190	0.23	0.02	1.92	0.06	5.84	33.1
164406	0.007	0.04	3.31	1.8	<0.2	<10	110	0.24	0.02	2.65	0.06	3.72	26.5
164407	0.005	0.05	3.28	2.4	<0.2	<10	110	0.23	0.02	2.06	0.05	3.51	21.8
164408	0.003	0.04	3.11	5	<0.2	<10	70	0.18	0.02	2.04	0.06	2.77	26.3
164409	0.004	0.04	2.6	1.6	<0.2	<10	40	0.21	0.02	1.91	0.05	3.58	18.4
164410	0.016	0.16	3.42	9.4	<0.2	<10	70	0.17	0.09	3.2	0.12	6.41	38.6
164411	0.041	0.02	3.02	0.4	<0.2	<10	110	0.19	<0.01	1.7	0.05	3.93	29.9
B-3	0.004	0.08	2.92	<0.1	<0.2	<10	10	0.06	0.01	2.13	0.06	5.85	19.3
164412	0.005	0.04	2.36	0.8	<0.2	<10	50	0.24	<0.01	1.97	0.06	2.94	19.2
164413	0.036	0.04	3.46	0.6	<0.2	<10	80	0.19	<0.01	1.9	0.05	2.49	29.1
164414	0.061	0.04	3.66	0.8	<0.2	<10	130	0.18	<0.01	1.17	0.04	1.94	43.9
164415	0.03	0.03	2.94	0.8	<0.2	<10	50	0.16	<0.01	1.6	0.04	1.59	28.4
164416	0.006	0.02	2.43	1.1	<0.2	<10	40	0.12	<0.01	1.97	0.05	1.44	23.2
164417	0.01	0.02	2.61	1.4	<0.2	<10	60	0.15	<0.01	2.65	0.08	1.84	27.6
164418	0.015	0.03	2.72	1	<0.2	<10	60	0.23	<0.01	2.46	0.07	2.96	27.4
164419	0.004	0.04	3.31	1.6	<0.2	<10	90	0.36	0.01	2.52	0.07	2.67	28.9
164420	0.004	0.13	3.54	1.3	<0.2	<10	160	0.3	0.05	1.75	0.07	5.76	42.1
164421	0.012	0.04	3.41	1	<0.2	<10	110	0.27	0.02	2.63	0.07	3.57	27.5
164422	0.005	0.05	2.76	2	<0.2	<10	90	0.25	0.01	3.15	0.09	3.04	25.5
164423	0.004	0.07	3.64	2.5	<0.2	<10	130	0.26	0.03	2.94	0.07	4.57	25.1
164424	0.003	0.02	2.64	4.4	<0.2	<10	70	0.31	0.01	3.07	0.07	5.34	19.1
164425	0.006	0.04	3.11	3.8	<0.2	<10	80	0.35	0.02	3.1	0.06	4.65	22.5
164426	0.006	0.05	3.98	11.6	<0.2	<10	140	0.52	0.02	3.09	0.07	4.44	24.4
164427	0.002	0.07	3.24	13.5	<0.2	<10	180	0.17	0.04	1.33	0.05	5.89	31.2
164428	0.002	0.13	2.45	3.3	<0.2	<10	230	0.15	0.11	0.64	0.05	16.3	13.9
164429	0.001	0.15	2.97	5	<0.2	<10	230	0.17	0.26	0.27	0.06	17.6	15.4
164430	0.001	0.19	2.76	96.3	<0.2	<10	220	0.15	0.19	0.3	0.09	16.15	17.6
164431	0.006	0.17	2.89	747	<0.2	<10	350	0.19	0.52	0.33	0.09	15.55	19.6
B-4	0.01	0.16	2.56	0.8	<0.2	<10	10	0.07	0.01	1.79	0.08	3.9	19.8
164432	0.001	0.11	2.63	78.9	<0.2	<10	340	0.16	0.13	0.47	0.09	14.15	18.6
164433	0.001	0.12	2.94	81.9	<0.2	<10	490	0.15	0.19	0.42	0.06	17.15	18.1
164434	0.001	0.07	3.67	350	<0.2	<10	430	0.23	0.15	1.25	0.05	13.2	18.9
164435	0.003	0.09	5	315	<0.2	<10	120	0.52	0.11	3.42	0.06	7.08	29.7
164436	0.002	0.14	3.53	34.2	<0.2	<10	510	0.16	0.21	0.7	0.07	19.95	16.6
164437	0.004	0.14	2.94	27.7	<0.2	<10	540	0.1	0.25	0.37	0.05	16.9	16.7
164438	0.001	0.12	3.02	15.8	<0.2	<10	570	0.11	0.21	0.31	0.05	22.1	17.6
164439	0.013	0.14	2.96	13.2	<0.2	<10	310	0.19	0.23	0.58	0.07	17.85	19.1
164440	0.003	0.2	2.65	20.9	<0.2	<10	80	0.35	0.18	1.81	0.09	22.1	17.5
164441	0.001	0.19	2.68	10.7	<0.2	<10	70	0.38	0.23	1.15	0.12	27.1	18.6

	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
SAMPLE	Cr	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg
DESCRIPTION	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%
164351	52	2.64	20.7	3.09	8.33	0.1	0.02	1.82	0.026	1.32	4.5	25.1	1.11
164352	51	1.82	24.9	3.4	9.35	0.1	0.03	0.07	0.03	1.23	4.5	28.2	1.31
164353	48	1.7	24.5	3.24	8.97	0.1	0.03	0.01	0.027	1.14	3.8	28	1.22
164354	44	1.67	24.5	3.02	7.88	0.08	0.02	0.01	0.023	1.12	4.4	26.1	1.07
164355	55	1.96	22.3	2.88	7.95	0.13	0.04	0.01	0.018	1.12	3.4	26	1.15
164356	58	1.9	20.4	2.93	8.02	0.15	0.05	<0.01	0.016	1.15	3.6	24.7	1.12
164357	49	2.49	24.3	2.91	8.57	0.12	0.03	0.01	0.024	1.26	2.7	28.2	1.1
164358	46	2.1	24.2	3.18	8.97	0.09	0.02	0.01	0.029	1.2	3.5	27.7	1.1
164359	43	2.18	25.4	3.15	9.01	0.09	0.02	<0.01	0.026	1.28	3.9	26.4	1.18
164360	58	2.6	31.4	3.4	10.15	0.11	0.02	<0.01	0.037	1.31	7.3	32	1.31
164361	78	3.3	46.3	4.04	9.36	0.11	0.02	0.01	0.04	1.54	9.1	32.5	1.51
164362	93	3.34	54	4.39	11	0.12	0.02	<0.01	0.048	1.63	8.3	37.1	1.65
164363	53	2.33	24.1	3.15	9.68	0.12	0.02	<0.01	0.035	1.12	6.6	31.4	1.29
164364	60	3.75	34.7	3.8	9.84	0.1	0.02	<0.01	0.032	1.54	6.5	36.7	1.38
164365	50	2.18	24.8	3.06	9.06	0.12	0.02	<0.01	0.027	1.17	4.7	28.1	1.18
164366	46	2.18	27.9	3.26	8.24	0.1	0.02	<0.01	0.024	1.26	3.7	24.6	1.16
164367	48	2.06	24.4	3.26	9.75	0.12	0.02	<0.01	0.028	1.32	3.7	28	1.22
164368	50	2.64	26.8	3.42	9.79	0.12	0.02	0.01	0.03	1.45	4.7	31.6	1.24
164369	47	2.14	24.7	3.24	9.03	0.1	0.02	<0.01	0.027	1.37	3.8	30.7	1.13
164370	55	1.98	26.3	2.99	8.83	0.14	0.02	<0.01	0.024	1.04	3.9	37.1	1.25
164371	55	1.99	20.4	3.3	9.47	0.12	0.02	<0.01	0.03	1.36	4.3	31.7	1.21
B-1	93	<0.05	371	4.65	5.98	0.14	0.21	<0.01	0.015	0.02	2.2	0.5	0.77
164372	53	2.23	20.1	3.2	8.97	0.13	0.02	<0.01	0.026	1.35	3.7	26.1	1.16
164373	60	2.91	32.6	3.62	10.45	0.12	0.02	<0.01	0.035	1.29	5.1	26.4	1.24
164374	54	2.98	22.1	3.32	9.82	0.1	0.02	0.01	0.03	1.43	6.6	32.7	1.25
164375	56	2.87	30.9	3.54	9.87	0.11	0.02	<0.01	0.034	1.26	9	37.7	1.36
164376	55	3.25	52.2	4.52	10.55	0.1	0.02	<0.01	0.033	1.42	7.9	47.9	1.49
164377	46	3.04	30.3	3.6	9.13	0.09	0.02	<0.01	0.023	1.48	5.9	30.1	1.34
164378	44	2.51	19.6	3.14	9.65	0.09	0.02	<0.01	0.026	1.43	6	31.8	1.22
164379	38	2.18	20.9	2.86	8.84	0.08	0.02	<0.01	0.019	1.23	6.3	28.9	1.02
164380	43	2.3	19.3	3.23	8.99	0.09	0.02	<0.01	0.021	1.3	5.7	27.2	1.1
164381	47	1.98	21.7	3.15	8.96	0.09	0.02	<0.01	0.024	1.27	5.5	28.5	1.17
164382	46	1.98	26.6	3.21	7.89	0.09	0.02	<0.01	0.024	1.05	6.6	29.8	1.05
164383	44	2.29	35.1	3.74	8.87	0.09	0.02	<0.01	0.023	1.18	7.6	32.9	1.27
164384	49	2.33	22.8	3.38	9.63	0.09	0.02	<0.01	0.031	1.33	5.4	31.9	1.25
164385	46	2.02	21.6	2.98	9.25	0.09	0.02	<0.01	0.028	1.18	5.2	29.2	1.14
164386	55	2.66	27	3.47	9.96	0.11	0.02	<0.01	0.031	1.46	4.5	36.2	1.36
164387	61	3.37	34.2	3.8	10.95	0.1	0.02	<0.01	0.032	1.56	6.2	39.1	1.36
164388	63	3.09	26.6	3.53	11.05	0.12	0.02	<0.01	0.035	1.42	5.8	43.8	1.42
164389	56	3.82	31.4	3.48	9.71	0.09	0.02	<0.01	0.03	1.19	9.3	41.6	1.35
164390	101	5.19	55.8	4.63	11.4	0.13	0.02	0.02	0.048	1.79	9.3	50.4	1.72
164391	88	4.1	60.5	4.21	10.9	0.13	0.03	0.08	0.048	1.4	9.8	39.3	1.59
B-2	141	<0.05	414	3.53	5.6	0.12	0.17	<0.01	0.009	0.02	1.5	0.7	0.94
164392	83	3.45	46	3.75	7.54	0.09	0.02	<0.01	0.035	1.12	9.8	29.7	1.32
164393	135	4.16	49.2	4.62	11.05	0.11	0.02	<0.01	0.043	1.26	9.6	42	1.8
164394	85	4.18	53.5	4.14	11	0.11	0.02	0.01	0.034	1.28	9.3	37.7	1.47
164395	76	4.8	53.9	4.02	9.56	0.1	0.03	0.02	0.038	1.43	10.7	41.9	1.5
164396	46	2.82	21.6	3.17	8.82	0.08	0.02	<0.01	0.026	0.98	10	32.5	1.08
164397	25	1.77	21.9	3.05	6.59	0.07	0.02	<0.01	0.016	0.49	14.3	38.8	0.91
164398	74	5.14	42.3	4.32	10.95	0.11	0.03	<0.01	0.038	1.56	9.3	42.8	1.49
164399	57	3.74	35.8	3.55	8.21	0.11	0.02	0.01	0.033	1.3	7.2	34.5	1.26
164400	50	2.75	28.2	3.34	7.96	0.1	0.02	0.01	0.029	1.29	5.2	33.9	1.11
164401	52	2.64	24.2	3.35	9	0.1	0.02	<0.01	0.033	1.51	5.3	33.3	1.2
164402	55	1.98	29.8	3.43	8.24	0.09	<0.02	<0.01	0.029	1.4	4.7	29.4	1.18
164403	51	1.44	21.7	3.07	7.99	0.09	<0.02	<0.01	0.03	1.25	4.2	28	1.19
164404	54	1.4	25.6	3.31	7.94	0.1	0.02	<0.01	0.031	1.25	4.7	36.4	1.2
164405	40	2.69	71.4	5.05	10.75	0.2	0.04	0.01	0.04	1.55	3.1	55.6	1.13
164406	75	2	53.1	3.95	9.1	0.24	0.03	0.01	0.03	0.95	1.7	42.3	1.18
164407	138	1.52	50.1	3.19	8.29	0.21	0.04	<0.01	0.027	0.72	1.4	41.4	1.54
164408	167	1.69	36	3.88	8.86	0.16	0.03	<0.01	0.032	0.77	1.1	49.1	1.94
164409	108	1.15	33.2	2.64	6.19	0.19	0.05	<0.01	0.02	0.47	1.3	31.6	1.57
164410	197	2.3	79.1	6.11	10.95	0.18	0.04	0.01	0.049	0.99	2.6	76.1	2.27
164411	179	2.37	63.9	4.96	9.09	0.25	0.03	<0.01	0.033	1.22	1.6	77.7	2.09
B-3	105	<0.05	245	4.68	6.35	0.13	0.17	<0.01	0.015	0.02	2.2	0.7	0.96
164412	93	0.7	64.3	2.58	6.82	0.18	0.06	<0.01	0.023	0.25	1.1	28.9	1.39
164413	185	1.52	95.8	4.4	8.9	0.22	0.04	<0.01	0.028	0.9	0.9	58.9	1.82
164414	282	2.79	53.9	6.63	11.15	0.29	0.02	<0.01	0.031	1.71	0.8	104	2.04
164415	201	1.27	35.3	4.37	6.59	0.22	0.03	<0.01	0.019	0.7	0.7	59.5	1.67
164416	141	1.17	50.7	3.06	5.12	0.15	0.04	<0.01	0.016	0.43	0.5	37.7	1.34
164417	153	2.44	48.2	3.32	6.05	0.17	0.08	<0.01	0.018	0.61	0.7	58.1	1.47
164418	144	1.9	71.5	3.51	7.55	0.21	0.08	<0.01	0.024	0.47	1	69.2	1.83
164419	175	1.31	27.6	3.83	8.74	0.23	0.06	<0.01	0.022	0.86	1.1	47.1	1.13
164420	101	2.2	86.1	5.9	15.5	0.31	0.04	<0.01	0.065	1.2	2.5	97.2	1.6
164421	162	1.65	45.9	3.8	8.87	0.22	0.06	<0.01	0.029	1.01	1.4	55	1.5
164422	166	1.21	64.4	3.15	7.27	0.2	0.08	<0.01	0.021	0.65	1.1	47.1	1.21
164423	102	2.85	40.8	4.11	10.2	0.19	0.05	<0.01	0.034	1.14	1.8	63	1.67
164424	55	1.84	10.3	3.14	8.2	0.22	0.08	<0.01	0.031	0.49	2.2	38.3	1.15
164425	63	2.69	37.8	3.3	8.97	0.21	0.06	<0.01	0.031	0.6	1.9	49.9	1.24
164426	84	1.69	42.3	3.69	10.45	0.27	0.04	<0.01	0.032	0.79	1.7	48.8	1.46
164427	171	2.21	63.7	4.55	10	0.2	0.04	<0.01	0.04	1.13	2.6	57.1	1.8
164428	58	2.34	46.6	3.68	8.4	0.1	0.02	<0.01	0.034	1.08	7.8	46.6	1.33
164429	62	2.53	61.5	4.58	7.12	0.09	0.02	0.01	0.033	1.14	8.3	37.8	1.59
164430	64	2.52	67.3	4.52	9.61	0.11	<0.02	<0.01	0.037	0.95	7.5	45.3	1.56
164431	85	3.19	60	4.56	10.7	0.12	0.02	<0.01	0.046	1.17	7.1	56.5	1.62
B-4	154	<0.05	401	3.69	4.99	0.11	0.13	<0.01	0.012	<0.01	1.6	0.7	0.82
164432	87	2.81	50.5	3.59	10	0.12	0.02	<0.01	0.044	1.03	6.5	49.2	1.44
164433	170	4.05	39.2	3.87	11.5	0.13	0.02	<0.01	0.044	1.54	8.1	52.6	1.87
164434	153	3.4	31	3.55	11.8	0.16	0.03	<0.01	0.039	1.29	6.9	41.7	1.82
164435	64	1.43	80.6	2.35	10.55	0.16	0.04	0.01	0.021	0.54	3.5	18.8	0.95
164436	90	4.54	49.1	4.4	11.2	0.14	0.02	<0.01	0.052	1.7	9.2	39.2	1.7
164437	96	3.98	54.8	4.22	9.69	0.14	0.02	<0.01	0.052	1.69	7.7	35.8	1.67
164438	96	4.4	50.2	4.33	9.18	0.14	0.02	<0.01	0.054	1.74	10.3	32.9	1.71
164439	91	2.94	58.1	4.55	10.3	0.11	0.02	<0.01	0.034	1.04	8.1	39.1	1.71
164440	58	0.6	52.5	4.33	8.27	0.1	0.02	<0.01	0.023	0.29	10.2	41.5	1.48
164441	69	0.61	71.6	4.36	9.53	0.08	0.02	<0.01	0.03	0.27	12.4	53.6	1.53

	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
SAMPLE	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se
DESCRIPTION	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
164351	490	0.44	0.1	0.29	18.5	520	13.2	48.1	<0.001	0.05	0.33	9.3	0.3
164352	508	0.69	0.12	0.26	22.3	780	3.2	41.3	<0.001	0.17	0.12	10.1	0.3
164353	447	0.6	0.13	0.3	22.3	710	1.8	37.8	<0.001	0.22	0.12	9.2	0.3
164354	436	0.71	0.12	0.24	20.9	700	1.8	40.8	0.001	0.39	0.15	8	0.4
164355	381	0.4	0.14	0.21	22.3	650	1.2	37.6	<0.001	0.06	0.11	5.8	0.3
164356	412	0.44	0.15	0.22	22.4	610	1.3	38.2	<0.001	0.07	0.13	5.9	0.2
164357	432	0.5	0.14	0.22	22.1	590	1.2	44.5	<0.001	0.09	0.1	8.2	0.3
164358	463	0.8	0.14	0.3	22.5	620	1.9	43.6	0.001	0.26	0.12	8.7	0.3
164359	423	0.85	0.13	0.29	23.1	610	1.8	51.2	0.001	0.3	0.09	8.2	0.4
164360	382	0.65	0.12	0.28	30	620	1.5	54.2	0.001	0.24	0.06	10.5	0.4
164361	401	1.1	0.08	0.36	53	710	2.1	69.9	0.001	0.28	0.06	11.4	0.5
164362	402	1.11	0.12	0.33	62.4	790	2.2	70.6	0.001	0.34	0.07	13.8	0.6
164363	367	0.56	0.12	0.26	24.7	580	1.2	44.9	0.001	0.15	0.1	10.4	0.3
164364	421	0.84	0.09	0.3	33.2	670	1.4	67.5	0.001	0.39	0.14	9.5	0.4
164365	419	0.72	0.14	0.26	22.5	560	2.3	43.2	0.001	0.29	0.13	9.5	0.3
164366	495	0.95	0.15	0.25	24.1	630	2.3	47.9	0.001	0.58	0.18	8.3	0.4
164367	515	0.85	0.18	0.27	22.8	590	2.4	44.5	0.001	0.5	0.16	9.7	0.3
164368	514	0.8	0.13	0.28	23.9	590	1.8	53	<0.001	0.28	0.15	10.6	0.4
164369	539	0.98	0.11	0.31	21.2	600	1.6	49.8	0.001	0.31	0.13	9.7	0.3
164370	305	0.54	0.16	0.24	22.5	700	1.4	37	<0.001	0.11	0.09	8.5	0.2
164371	514	0.69	0.17	0.31	22.3	560	1.9	46.2	<0.001	0.34	0.11	10.6	0.3
B-1	350	0.26	0.36	0.29	34.9	410	0.3	0.3	0.001	0.09	<0.05	5.2	0.6
164372	505	0.52	0.13	0.28	22	570	1.8	49.3	0.001	0.31	0.07	10.6	0.3
164373	490	1.17	0.16	0.34	27	630	3.7	48.5	0.003	0.59	0.28	12.3	0.7
164374	520	0.44	0.13	0.29	24.1	590	1.9	54.5	0.001	0.12	<0.05	10.3	0.3
164375	403	0.79	0.12	0.29	26.5	670	1.8	50.5	0.001	0.28	0.05	11.3	0.4
164376	452	1.2	0.1	0.34	40.2	1000	2.4	65	0.001	0.58	0.09	9.4	0.6
164377	529	1.38	0.13	0.24	24.6	620	2.4	60.8	0.002	0.62	0.08	8.1	0.5
164378	473	0.68	0.13	0.28	21.5	550	2.1	53.9	0.001	0.17	0.06	8.8	0.3
164379	431	0.39	0.19	0.28	17.5	490	2.1	46.5	<0.001	0.19	0.06	7.3	0.3
164380	489	0.74	0.14	0.31	20.9	540	2.8	51.6	0.001	0.26	0.08	7.9	0.4
164381	475	0.69	0.12	0.29	21.4	570	2.4	45	0.001	0.25	0.06	9.2	0.4
164382	416	1.71	0.11	0.26	24.4	590	2.6	39.6	0.002	0.32	0.11	8.2	0.5
164383	467	1.57	0.08	0.22	30	650	3.7	46.2	0.002	0.53	0.18	7.6	0.6
164384	536	0.79	0.12	0.31	23.5	780	2.2	47.4	0.001	0.31	0.14	10.3	0.4
164385	502	0.58	0.14	0.3	20.5	570	1.9	41.6	0.001	0.24	0.12	10	0.3
164386	479	0.65	0.15	0.32	24.6	610	1.6	51.5	0.001	0.25	0.05	11.4	0.3
164387	487	0.9	0.15	0.34	28	690	1.9	60.5	0.001	0.38	<0.05	11.2	0.4
164388	437	0.62	0.17	0.3	25.7	650	1.7	53.5	0.001	0.26	<0.05	12.7	0.4
164389	417	0.84	0.1	0.29	27.7	610	1.7	54.9	0.001	0.24	<0.05	10.2	0.4
164390	465	1.11	0.15	0.4	64.6	850	2.5	83.1	0.001	0.28	<0.05	16.1	0.6
164391	480	1.16	0.15	0.44	59.3	820	2.4	64.4	0.001	0.27	<0.05	14.1	0.6
B-2	386	0.14	0.38	0.21	51.4	340	0.2	0.4	0.001	0.06	<0.05	5.5	0.5
164392	408	0.62	0.08	0.39	48	640	1.8	54.6	0.001	0.28	<0.05	11.4	0.5
164393	535	0.9	0.09	0.35	75.1	870	2.7	62.9	0.001	0.25	0.05	15.1	0.5
164394	461	0.86	0.17	0.43	53.7	830	3.1	62.8	0.001	0.33	<0.05	12.6	0.6
164395	393	1	0.1	0.39	52.7	730	2.3	73.5	0.002	0.38	<0.05	10.7	0.6
164396	481	0.58	0.11	0.26	23.5	560	3.1	43.1	<0.001	0.18	0.05	7.8	0.3
164397	433	0.63	0.06	0.1	22.7	570	6.1	25.6	0.001	0.26	0.32	4.3	0.3
164398	571	1.3	0.11	0.37	47	800	2.9	71.1	0.001	0.31	0.05	11.7	0.5
164399	390	0.63	0.1	0.26	32.2	680	2.2	56.7	<0.001	0.19	<0.05	10.9	0.4
164400	459	0.7	0.11	0.27	26	600	1.8	52.2	0.001	0.25	0.06	10.3	0.4
164401	493	0.52	0.16	0.31	22.4	610	1.8	55.8	<0.001	0.15	0.16	10.8	0.3
164402	504	1.1	0.16	0.28	22.9	610	2.1	48.6	0.001	0.32	0.18	10	0.4
164403	439	0.58	0.11	0.27	20.1	550	1.8	39.5	<0.001	0.14	0.16	9.6	0.2
164404	396	1.13	0.15	0.3	24.4	680	1.1	37.6	0.001	0.25	0.13	11.2	0.3
164405	454	0.79	0.27	0.41	56.7	2620	0.8	51.6	<0.001	0.13	<0.05	19.5	0.4
164406	551	0.77	0.26	0.35	63.8	2870	0.6	29.7	<0.001	0.07	0.16	15.4	0.4
164407	322	0.22	0.27	0.25	74.6	1750	0.7	24.2	<0.001	0.05	0.14	13.3	0.3
164408	459	6.51	0.18	0.22	85.2	1550	0.8	23.7	0.003	0.07	0.15	15.9	0.3
164409	309	0.2	0.23	0.26	63.1	1540	0.3	14.4	<0.001	<0.01	0.17	9.2	0.3
164410	655	0.07	0.1	0.28	107.5	1860	0.9	31.9	<0.001	0.26	0.17	19	0.5
164411	458	0.08	0.24	0.21	89.6	1690	0.3	33.2	<0.001	0.22	0.21	15.1	0.3
B-3	353	0.22	0.44	0.21	31.4	440	0.2	0.2	0.001	0.58	0.11	5.7	0.5
164412	322	0.1	0.22	0.44	59.5	1110	0.2	12.6	<0.001	0.14	0.22	9.3	0.3
164413	436	0.05	0.29	0.21	90.7	1270	0.2	28.3	<0.001	0.03	0.16	15.3	0.3
164414	488	0.09	0.28	0.2	129	1260	0.2	53.5	<0.001	<0.01	0.16	19.5	0.3
164415	414	<0.05	0.29	0.13	95.9	1250	<0.2	21.7	<0.001	<0.01	0.15	12.4	0.2
164416	372	0.06	0.31	0.12	74.9	1270	<0.2	16.5	<0.001	0.04	0.17	11.1	0.3
164417	484	0.1	0.31	0.23	90.4	1280	0.2	24.9	<0.001	<0.01	0.27	13	0.3
164418	463	0.11	0.28	0.31	89.9	1150	0.2	18	<0.001	0.01	0.28	12.6	0.4
164419	575	0.57	0.31	0.44	88.4	1770	0.9	27	<0.001	0.22	0.15	13.5	0.6
164420	377	0.88	0.22	0.82	105.5	3260	1.1	40	<0.001	0.78	0.14	17.9	1.8
164421	472	0.14	0.3	0.44	93.9	2160	0.8	30.3	<0.001	0.17	0.14	13.1	0.5
164422	467	0.15	0.27	0.49	87.5	1530	0.5	20.1	<0.001	0.09	0.15	12.9	0.5
164423	434	0.44	0.28	0.4	76.1	2170	0.8	32.1	<0.001	0.21	0.13	12.6	0.5
164424	380	0.54	0.25	0.5	54.4	2240	0.8	19.6	<0.001	0.01	0.16	10	0.4
164425	358	0.24	0.28	0.38	64.9	2200	1.1	22.4	<0.001	0.1	0.14	10.2	0.5
164426	381	0.29	0.33	0.4	67.6	2040	1.4	25.4	<0.001	0.05	0.14	9.2	0.4
164427	369	2.21	0.21	0.46	88.9	2230	0.9	36.6	0.001	0.21	0.13	13.5	0.5
164428	424	6.02	0.12	0.31	31.5	950	1.2	42.6	0.002	0.41	0.12	10.5	0.5
164429	433	1.25	0.07	0.28	42.4	930	1.8	51.6	0.001	0.47	0.11	10.4	0.6
164430	454	1.32	0.06	0.38	45.4	940	1.9	55.2	0.001	0.49	0.12	12.8	0.8
164431	517	1.46	0.07	0.36	53.7	820	1.9	64.7	0.002	0.4	0.14	17	0.8
B-4	362	0.16	0.4	0.18	42.5	340	0.2	0.6	0.001	0.06	0.1	5.1	0.5
164432	383	0.94	0.14	0.29	49.8	730	2	52.5	0.001	0.18	0.13	15.7	0.5
164433	473	1.27	0.14	0.37	75.3	660	2.7	77.8	0.001	0.22	<0.05	14.3	0.5
164434	431	0.77	0.19	0.29	66.2	620	3.3	62.8	0.001	0.11	<0.05	14.3	0.4
164435	392	0.52	0.26	0.31	55.6	640	4.8	25.9	0.001	0.25	0.06	10.4	0.5
164436	471	1.07	0.16	0.33	54.7	890	2.4	81.8	0.001	0.29	<0.05	16	0.7
164437	425	1.08	0.11	0.33	59.9	810	2.4	74	0.001	0.29	<0.05	15.2	0.6
164438	429	1.1	0.11	0.3	61.5	840	2.5	81.5	0.001	0.24	<0.05	15.5	0.6
164439	545	1.12	0.07	0.32	65.2	890	2.5	50.9	0.001	0.27	0.05	13.1	0.7
164440	712	1.06	0.05	0.09	58.5	790	5.1	14.4	0.001	0.33	0.12	7.4	0.5
164441	653	1.12	0.06	0.05	63.1	820	10.6	15.2	0.001	0.27	0.1	8.7	0.6

	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
SAMPLE	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
164351	0.7	20.8	<0.01	0.01	2.6	0.27	0.3	0.34	90	0.26	5.88	96	<0.5
164352	0.7	61.3	<0.01	0.02	2	0.258	0.26	0.33	107	0.35	6.58	68	0.5
164353	0.7	31.6	<0.01	0.01	2	0.241	0.22	0.35	98	0.24	5.53	63	0.5
164354	0.6	25.6	<0.01	0.01	2	0.23	0.25	0.37	87	0.26	6.13	58	0.5
164355	0.4	26	<0.01	0.01	2	0.254	0.22	0.27	92	0.17	5.4	54	0.7
164356	0.5	29.5	0.01	0.01	2.2	0.27	0.22	0.28	89	0.24	5.68	54	0.6
164357	0.6	30.3	<0.01	0.01	1.6	0.272	0.26	0.26	90	0.21	5.17	58	<0.5
164358	0.7	52.2	<0.01	0.01	2	0.235	0.27	0.35	87	0.29	5.12	63	<0.5
164359	0.7	26.7	<0.01	0.02	2	0.24	0.32	0.43	85	0.2	5.2	68	<0.5
164360	0.8	24	<0.01	0.02	2.8	0.205	0.33	0.65	105	0.22	4.18	68	<0.5
164361	0.9	14.7	<0.01	0.05	3.5	0.217	0.45	0.79	113	0.11	4.13	53	0.6
164362	1.1	27.1	0.01	0.05	3.2	0.238	0.45	0.65	134	0.11	4.65	62	<0.5
164363	0.9	18.4	<0.01	0.02	2.6	0.187	0.27	0.45	100	0.18	4.39	65	<0.5
164364	0.8	17.9	<0.01	0.03	3.2	0.232	0.4	0.5	108	0.15	4.1	87	<0.5
164365	0.6	54.1	<0.01	0.02	2.3	0.216	0.27	0.39	93	0.17	4.62	65	<0.5
164366	0.5	42.1	<0.01	0.02	1.9	0.247	0.33	0.46	88	0.18	5.88	71	<0.5
164367	0.7	86.6	<0.01	0.02	1.8	0.257	0.28	0.4	91	0.21	5.38	68	0.9
164368	0.7	38.2	<0.01	0.03	2.1	0.295	0.33	0.46	99	0.23	5.73	73	<0.5
164369	0.7	29.7	<0.01	0.02	2	0.273	0.3	0.35	95	0.25	5.68	63	0.6
164370	0.6	31.5	<0.01	0.01	1.7	0.232	0.22	0.27	103	0.21	5.37	62	<0.5
164371	0.8	31.7	<0.01	0.02	2.1	0.267	0.3	0.33	96	0.28	5.41	66	<0.5
B-1	0.3	28.4	0.01	0.03	<0.2	0.315	<0.02	<0.05	189	<0.05	9.98	25	6.2
164372	0.7	40.2	<0.01	0.01	1.7	0.264	0.3	0.31	96	0.27	5.4	66	<0.5
164373	0.8	35.6	0.01	0.06	2.2	0.264	0.31	0.48	114	0.45	6.49	80	0.7
164374	0.8	20.9	<0.01	0.01	3.2	0.27	0.35	0.47	96	0.28	5.54	77	0.5
164375	0.8	18	<0.01	0.03	3.2	0.215	0.34	0.45	107	0.35	4.5	69	<0.5
164376	0.7	38.4	<0.01	0.06	3.2	0.208	0.44	0.37	102	1	5.01	77	<0.5
164377	0.6	31.8	<0.01	0.03	2.8	0.257	0.39	0.52	87	0.3	5.59	80	0.5
164378	0.7	34.3	<0.01	0.02	2.6	0.266	0.36	0.42	82	0.25	5.09	70	<0.5
164379	0.6	53.3	<0.01	0.01	2.6	0.234	0.31	0.46	68	0.23	4.6	61	<0.5
164380	0.6	50.4	<0.01	0.02	2.5	0.254	0.35	0.51	79	0.26	5.45	70	<0.5
164381	0.6	47.2	<0.01	0.02	2.2	0.249	0.28	0.39	85	0.27	5.54	65	0.5
164382	0.5	26.2	<0.01	0.02	2.8	0.196	0.27	0.5	83	0.3	5.26	68	<0.5
164383	0.5	29.5	<0.01	0.03	3.5	0.2	0.32	0.62	81	0.32	5.79	85	<0.5
164384	0.7	24.9	<0.01	0.01	2.2	0.268	0.32	0.43	94	0.43	6.11	74	<0.5
164385	0.8	43	<0.01	0.01	1.8	0.233	0.27	0.31	87	0.51	5.57	62	<0.5
164386	0.9	23.3	<0.01	0.02	1.9	0.273	0.31	0.27	104	0.32	4.96	71	<0.5
164387	0.9	29	<0.01	0.03	3	0.276	0.37	0.39	111	0.26	5.21	82	<0.5
164388	0.9	36	0.01	0.02	2.2	0.239	0.31	0.31	115	0.23	5.04	73	<0.5
164389	0.8	18.8	<0.01	0.03	3.5	0.192	0.36	0.46	101	0.34	4.04	61	0.5
164390	1.1	26	0.01	0.06	3.9	0.259	0.52	0.71	154	1.29	5.42	63	<0.5
164391	1	55.1	0.01	0.06	3.9	0.225	0.4	0.61	131	0.41	5.09	66	0.7
B-2	0.2	30.2	<0.01	0.02	<0.2	0.246	<0.02	<0.05	115	<0.05	7.47	26	5.6
164392	0.8	14.9	<0.01	0.05	3.6	0.197	0.35	0.47	116	0.37	3.81	21	0.7
164393	0.8	19.3	0.01	0.05	4	0.214	0.43	0.47	145	0.19	4.95	63	<0.5
164394	0.8	104.5	0.01	0.05	3.5	0.219	0.39	0.64	128	2.17	4.7	57	0.9
164395	0.9	17.3	0.01	0.05	3.9	0.214	0.46	0.64	119	16.35	4.89	59	0.7
164396	0.6	31.9	<0.01	0.02	3.3	0.161	0.29	0.45	76	0.26	5.36	69	<0.5
164397	0.3	31.3	<0.01	0.02	4.2	0.051	0.18	0.52	42	0.5	7.35	69	<0.5
164398	0.9	29.7	0.01	0.05	4.2	0.25	0.48	0.63	121	3.64	5.83	89	0.7
164399	0.8	25.5	<0.01	0.02	3	0.207	0.33	0.42	107	0.38	5.21	67	0.6
164400	0.7	34.3	<0.01	0.02	2.4	0.244	0.3	0.34	97	0.25	5.84	73	<0.5
164401	0.8	30.6	<0.01	0.01	2.2	0.289	0.29	0.32	98	0.24	5.49	73	<0.5
164402	0.7	66.7	<0.01	0.03	2.3	0.258	0.27	0.34	102	0.31	5.45	74	<0.5
164403	0.7	17.2	<0.01	0.01	2.1	0.23	0.22	0.32	91	0.22	5.54	63	<0.5
164404	0.6	22.5	<0.01	0.01	2.3	0.226	0.23	0.44	104	0.3	5.74	73	0.5
164405	0.8	106.5	0.01	0.01	0.7	0.293	0.4	0.13	124	0.36	11.85	116	0.6
164406	0.6	117.5	<0.01	0.01	0.2	0.251	0.23	0.07	109	29.7	11.35	87	0.7
164407	0.4	93	0.01	0.01	<0.2	0.242	0.21	0.05	95	7.52	9.95	73	0.9
164408	0.4	69.8	<0.01	0.01	<0.2	0.209	0.18	<0.05	104	0.34	9.17	96	0.6
164409	0.4	67	0.01	0.01	<0.2	0.257	0.11	0.05	72	0.73	8.95	52	1.1
164410	0.6	54.4	0.01	0.02	0.3	0.247	0.28	0.06	153	0.18	10.6	137	0.8
164411	0.6	32.5	<0.01	<0.01	0.2	0.278	0.23	<0.05	140	0.13	8.14	116	0.6
B-3	0.3	38.5	<0.01	0.03	<0.2	0.322	<0.02	<0.05	174	0.05	10.7	25	7.2
164412	0.4	59.7	0.01	0.01	<0.2	0.266	0.09	<0.05	65	0.4	8.42	45	1.5
164413	0.5	91.6	<0.01	<0.01	<0.2	0.266	0.17	<0.05	107	0.25	8.5	91	1
164414	0.6	65.2	<0.01	<0.01	<0.2	0.325	0.34	<0.05	138	0.3	6.52	143	<0.5
164415	0.3	57.9	<0.01	<0.01	<0.2	0.227	0.13	<0.05	98	0.14	7.31	86	0.6
164416	0.3	97.3	<0.01	0.01	<0.2	0.184	0.11	<0.05	70	0.35	7.29	57	0.9
164417	0.3	70.9	<0.01	<0.01	<0.2	0.301	0.15	<0.05	81	0.23	9.05	57	1.7
164418	0.4	79.3	0.01	0.01	<0.2	0.308	0.12	0.05	90	0.3	10.3	53	1.6
164419	0.5	167.5	0.01	0.01	<0.2	0.39	0.17	0.05	95	0.52	10	71	1.4
164420	1.2	108	0.01	0.04	0.4	0.276	0.26	0.07	152	0.67	18.85	118	0.9
164421	0.5	159.5	0.01	0.01	0.2	0.353	0.2	0.06	110	0.6	11.75	66	1.5
164422	0.4	118.5	0.01	0.01	<0.2	0.355	0.14	0.06	87	0.49	9.81	48	1.7
164423	0.6	134.5	0.01	0.01	0.2	0.321	0.17	0.05	128	0.65	11.4	73	1.1
164424	0.7	171.5	0.01	0.01	0.3	0.283	0.09	0.07	82	0.64	12.45	56	1.8
164425	0.7	352	<0.01	0.01	0.2	0.269	0.13	0.07	88	0.67	11.65	69	1.3
164426	0.7	362	0.01	0.01	0.2	0.298	0.13	<0.05	89	3.07	9.75	74	1.1
164427	0.7	102.5	0.01	0.01	0.6	0.266	0.22	0.09	138	0.63	11.35	109	0.8
164428	0.7	22	<0.01	0.03	3.5	0.192	0.25	0.5	110	0.56	5.8	66	0.6
164429	0.6	13.5	<0.01	0.04	3.4	0.203	0.34	0.5	115	1.08	4.35	18	0.5
164430	0.6	15.7	<0.01	0.07	4.8	0.174	0.39	0.5	118	4.4	5.04	66	<0.5
164431	0.8	17.6	<0.01	0.28	5.4	0.19	0.42	0.5	142	3.14	5.07	96	<0.5
B-4	0.3	32.5	<0.01	0.02	<0.2	0.233	<0.02	<0.05	127	0.05	7.44	25	5.1
164432	0.8	42.5	<0.01	0.03	3.8	0.185	0.31	0.44	128	0.91	5.39	82	<0.5
164433	1.2	24.1	0.01	0.05	5.8	0.222	0.4	0.94	116	0.38	5.95	83	0.5
164434	1	137.5	0.01	0.08	3.8	0.21	0.35	0.58	113	0.99	6.27	74	0.7
164435	0.5	379	0.01	0.09	1.1	0.179	0.14	0.15	68	3.96	6.39	34	1
164436	1.1	42.1	0.01	0.05	4.1	0.243	0.42	0.53	144	0.77	5.07	37	0.6
164437	1.2	12.4	0.01	0.06	3.2	0.233	0.39	0.51	141	0.18	4.67	25	<0.5
164438	1.3	13.6	0.01	0.05	3.7	0.247	0.44	0.81	144	0.28	5.11	18	<0.5
164439	0.7	11.8	0.01	0.05	4.4	0.185	0.31	0.56	128	0.12	5.35	102	<0.5
164440	0.3	19.1	<0.01	0.05	5	0.021	0.07	0.71	76	0.16	6.54	90	<0.5
164441	0.3	28.5	<0.01	0.06	5.5	0.021	0.08	0.87	84	1.54	6.98	101	<0.5

VA10190105 - Finalized
CLIENT : "MILBAVE - Mill Bay Ventures"
# of SAMPLES : 3
DATE RECEIVED : 2010-12-15 DATE FINALIZED : 2010-12-19
PROJECT : "Valentine"
CERTIFICATE COMMENTS : ""
PO NUMBER : "Additional Analysis"

	Au-SCR24	Au-SCR24	Au-SCR24	Au-SCR24	Au-SCR24	Au-SCR24	Au-AA26	Au-AA26D
SAMPLE	Au Total (+)(-) Combined	Au (+) Fraction	Au (-) Fraction	Au (+) mg	WT. + Frac Entire	WT. - Frac Entire	Au	Au
DESCRIPTION	ppm	ppm	ppm	mg	g	g	ppm	ppm
164402	0.64	10.4	0.35	0.332	31.85	1065	0.39	0.3

Valentine Mountain Project Drill Core Log and Sample Record

Date/Target:	**November, 2010 / Discovery Zone twin 82-6**								**Acid Tests:**	**Hole Number:**	**10-1**		
Location:	**UTM NAD83 Zone 10N 434538E 5374212N 824 m. elevation uncorrected**								**none**	**Collar Azimuth:**	**0**		
Total Length:	**720 feet = 219.46 metres**									**Collar Dip:**	**-60**		
FROM ft	**TO ft**	**WIDTH ft**	**Lithology**	**% Chlorite**	**% Carbonate**	**% Qtz vns**	**% sulphide**	**RQD (% >10 cm)**	**Recovery**	**Sample No**	**FROM ft**	**TO ft**	**WIDTH ft**	**Description**
2	5	3	1	1	1	1	1	50	90					casing 0-2 ft, 2'-75' Unit 1 black biotite schist
5	10	5	1	2	1	4	3	40	95	164351	6.9	10.4	3.5	6% qtz 0.1-3.5 cm @65 degrees to ca, 1% diss & frac fill py, trace limonite
10	15	5	1	1	1	1	1	80	88					
15	20	5	1	2	1	3	2	5	70	164352	16	25	9	3% qtz 0.1-0.5 cm @55-65 degrees to ca, 1% diss & frac fill py
20	25	5	1	2	1	4	3	90	95	164353	25	30	5	4% qtz 0.1-6.5 cm @45-65 degrees to ca, 1% diss & frac fill py
25	30	5	1	2	1	4	3	90	90	164354	30	35	5	4% qtz 0.1-6.5 cm @45-65 degrees to ca, 1% diss & frac fill py
30	35	5	1	2	1	4	3	95	100	164355	35	40	5	4% qtz 0.1-6.5 cm @45-65 degrees to ca, 1% diss & frac fill py
35	40	5	1	2	1	4	3	100	100	164356	40	45	5	4% qtz 0.1-2.5 cm @45-65 degrees to ca, 1% diss & frac fill py
40	45	5	1	2	1	4	3	85	90	164357	45	50	5	4% qtz 0.1-1.5 cm @45-65 degrees to ca, 1% diss & frac fill py
45	50	5	1	2	1	6	3	90	100	164358	50	55	5	6% qtz 0.1-1.5 cm @45-65 degrees to ca, 1% diss & frac fill py
50	55	5	1	2	1	6	3	85	95	164359	55	60	5	6% qtz 0.1-1.5 cm @45-65 degrees to ca, 1% diss & frac fill py
55	60	5	1	2	1	3	2	100	100	164360	60	65	5	3% qtz 0.1-2 cm @60-70 degrees to ca, 1% diss & frac fill py
60	65	5	1	2	1	4	2	85	90	164361	65	70	5	4% qtz 0.1-1 cm @60-65 degrees to ca, 1% diss & frac fill py
65	70	5	1	2	1	4	2	95	90	164362	70	75	5	3% qtz 0.1-0.5 cm @45-65 degrees to ca, 1% diss & frac fill py
70	75	5	1	2	1	3	2	95	100	164363	75	80	5	3% qtz 0.1-0.5 cm @45-65 degrees to ca, 1% diss & frac fill py, 75'-83' Unit 2 gneiss (metasandstone)
75	80	5	2	2	1	3	2	70	100	164364	80	85	5	3% qtz 0.1-1 cm @55-65 degrees to ca, 1% diss & frac fill py, 83'-111' Unit 1 black biotite schist
80	85	5	1 + 2	2	1	3	2	100	100	164365	85	90	5	3% qtz 0.1-2.5 cm @45-65 degrees to ca, 1% diss & frac fill py
85	90	5	1	2	1	3	2	100	100	164366	90	95	5	3% qtz 0.1-1 cm @45-65 degrees to ca, 1% diss & frac fill py, 1% calcite
90	95	5	1	2	1	3	2	95	90	164367	95	100	5	3% qtz 0.1-1 cm @45-65 degrees to ca, 1% diss & frac fill py, 1% calcite
95	100	5	1	2	1	3	2	100	95	164368	100	105	5	3% qtz 0.1-1 cm @45-65 degrees to ca, 1% diss & frac fill py, 1% calcite
100	105	5	1	2	1	3	2	95	95	164369	105	110	5	3% qtz 0.1-1 cm @45-65 degrees to ca, 1% diss & frac fill py, 1% calcite
105	110	5	1	2	1	5	3	95	100	164370	110	115.4	5.4	5% qtz 0.1-3 cm @55-65 degrees to ca, 1% diss & frac fill py, 111'-130' Unit 2 gneiss (metasandstone)
110	115	5	1 + 2	1	1	1	1	100	100					
115	120	5	2	1	1	1	1	95	100					
120	125	5	2	1	1	1	1	95	100					
125	130	5	2	2	1	3	2	95	100	164371	127	132	5	3% qtz 0.1-2 cm @50-70 degrees to ca, 1% diss & frac fill py, 130'-308' Unit 1 black biotite schist
130	135	5	1	2	1	5	3	100	95	164372	132	135	3	5% qtz 0.1-3 cm @25-65 degrees to ca, 1% diss & frac fill py, 2% chlorite
135	140	5	1	2	1	7	3	70	90	164373	135	136.7	1.7	15% qtz 0.1-2.5 cm @55-65 deg to ca, 3% diss & frac fill py, 2% chl, tr graphite
140	145	5	1	2	1	7	2	90	100	164374	136.7	140	3.3	10% qtz 0.1-2 cm @70 degrees to ca, 1% diss & frac fill py
145	150	5	1	2	1	3	2	50	80	164375	140	144	4	3% qtz 0.1-1 cm @60-65 degrees to ca, 1% diss & frac fill py
150	155	5	1	2	1	3	2	95	100	164376	144	148	4	3% qtz 0.1-1 cm @60-65 degrees to ca, 1% diss & frac fill py
155	160	5	1	1	1	1	1	90	95					
160	165	5	1	2	1	3	2	40	80	164377	159	161	2	3% qtz 0.1-1 cm @60-65 degrees to ca, 1% diss & frac fill py
165	170	5	1	2	1	6	3	95	95	164378	167	168.5	1.5	15% qtz 0.1-5 cm @50-65 degrees to ca, 1% diss & frac fill py
170	175	5	1	2	1	6	3	95	95	164379	171.4	172.9	1.5	12% qtz 0.1-2 cm @50-65 degrees to ca, 1% diss & frac fill py
175	180	5	1	2	1	4	2	80	100	164380	178	180	2	10% qtz 0.1-3 cm @55-70 degrees to ca, 1% diss & frac fill py
180	185	5	1	2	1	5	2	90	100	164381	180.4	185	4.6	5% qtz 0.1-5 cm @65-70 degrees to ca, 1% diss & frac fill py
185	190	5	1	2	1	4	2	40	70	164382	185	190	5	4% qtz 0.1-1 cm @50-65 degrees to ca, 1% diss & frac fill py, fault zone 187'-193'
190	195	5	1	2	1	3	2	0	75	164383	190	195	5	4% qtz 0.1-1 cm @50-65 degrees to ca, 1% diss & frac fill py
195	200	5	1	2	1	3	2	60	85	164384	195	200	5	3% qtz 0.1-2.5 cm @50-60 degrees to ca, 1% diss & frac fill py
200	205	5	1	2	1	7	1	90	95	164385	200	204.5	4.5	8% qtz 0.1-3 cm @70-75 degrees to ca, 1% diss & frac fill py
205	210	5	1	1	1	1	1	100	100					
210	215	5	1	1	1	1	1	95	90					
215	220	5	1	2	1	4	3	90	100	164386	217.5	223.5	6	4% qtz 0.1-1 cm @40-75 degrees to ca, 1% diss & frac fill py
220	225	5	1	2	1	9	4	95	100	164387	223.5	228	4.5	10% qtz 0.1-3 cm @60-65 degrees to ca, 1% diss & frac fill py
225	230	5	1	2	1	7	3	90	100	164388	228	231	3	8% qtz 0.1-3 cm @30-70 degrees to ca, 1% diss & frac fill py
230	235	5	1	2	1	5	2	95	100	164389	231	236	5	5% qtz 0.1-1 cm @60-65 degrees to ca, 1% diss & frac fill py
235	240	5	1	2	1	3	2	100	100	164390	236	240.5	4.5	3% qtz 0.1-0.5 cm @60-65 degrees to ca, 1% diss & frac fill py
240	245	5	1	2	1	3	2	95	100	164391	240.5	245	4.5	3% qtz 0.1-0.5 cm @60-65 degrees to ca, 1% diss & frac fill py
245	250	5	1	2	1	8	3	100	100	164392	245	250	5	8% qtz 0.1-1.5 cm @60-65 degrees to ca, 1% diss & frac fill py
250	255	5	1	2	1	5	3	95	95	164393	250	255	5	5% qtz 0.1-1 cm @60-65 degrees to ca, 1% diss & frac fill py
255	260	5	1	2	1	4	2	100	100	164394	255	260	5	4% qtz 0.1-1 cm @60-65 degrees to ca, 1% diss & frac fill py
260	265	5	1	2	1	4	2	95	100	164395	260	263.6	3.6	4% qtz 0.1-1 cm @60-65 degrees to ca, 1% diss & frac fill py
265	270	5	1	1	1	1	1	95	100					
270	275	5	1	1	1	1	1	95	100					
275	280	5	1	2	1	6	2	30	40	164396	276	281	5	6% qtz 0.1-1.5 cm @60-65 degrees to ca, 1% diss & frac fill py, broken grd 274.8-275.2
280	285	5	1	2	1	3	1	10	95	164397	281	284	3	fault zone, 60% rec, minor clay, 3% qtz 0.1-1 cm @60-65 deg to ca, 1% diss & frac fill py
285	290	5	1	2	1	5	2	80	10	164398	284	290	6	5% qtz 0.1-1 cm @65-75 degrees to ca, 1% diss & frac fill py
290	295	5	1	2	1	5	2	70	80	164399	290	295	5	5% qtz 0.1-1 cm @10-70 degrees to ca, 1% diss & frac fill py, weak stwk texture developed
295	300	5	1	2	1	4	2	80	80	164400	295	300	5	4% qtz 0.1-3 cm @40-70 degrees to ca, 1% diss & frac fill py
300	305	5	1	2	1	3	2	92	95	164401	300	305	5	3% qtz 0.1-0.5 cm @60-65 degrees to ca, 1% diss & frac fill py
305	310	5	1 + 2	2	1	3	1	95	85	164402	305	310	5	3% qtz 0.1-1 cm @60-65 degrees to ca, 1% diss & frac fill py, 308'-315' Unit 2 gneiss (metasandstone)
310	315	5	2	2	1	3	2	80	64	164403	310	315	5	3% qtz 0.1-1 cm @60-65 degrees to ca, 1% diss & frac fill py, schist/amphib sharp contact at 315' @78 deg to ca
315	320	5	3	2	2	3	2	100	16	164404	315	320	5	3% qtz 0.1-1 cm @60-65 degrees to ca, 2% cal, 1% diss & frac fill py, 315'-413' Unit 3 amphibolite (metavolcanic)
320	325	5	3	2	2	4	2	100	82	164405	320	325	5	4% qtz 0.1-1 cm @65-70 degrees to ca, 2% cal, 1% diss & frac fill py,
325	330	5	3	2	2	8	3	95	78	164406	325	330	5	8% qtz 0.1-2 cm @75 degrees to ca, 2% cal, 1% diss & frac fill py,
330	335	5	3	2	2	5	3	37	95	164407	330	335	5	5% qtz 0.1-1 cm @65 degrees to ca, 2% cal, 1% diss & frac fill py,
335	340	5	3	2	2	10	4	98	95	164408	335	340	5	10% qtz 0.1-3 cm @25 & 80 degrees to ca, 2% cal, 1% diss & frac fill py, 5% chlorite, minor cal/gypsum breccia veins
340	345	5	3	2	2	3	2	100	100	164409	340	345	5	3% qtz 0.1-1 cm @65 degrees to ca, 1% cal, 1% diss & frac fill py,
345	350	5	3	1	2	1	1	98	100					
350	355	5	3	1	2	1	1	60	95					
355	360	5	3	1	2	1	1	40	95					
360	365	5	3	2	2	5	1	15	95	164410	357	362	5	5% qtz 0.1-2 cm @75 degrees to ca, 2% cal, 1% diss & frac fill py, late stage cal/gypsum/qtz, minor tourmaline
365	370	5	3	2	2	3	1	90	98	164411	362	367	5	3% qtz 0.1-1 cm @65 degrees to ca, 1% cal, 1% diss & frac fill py,
370	375	5	3	1	2	1	1	80	100					
375	380	5	3	1	2	1	1	98	100					
380	385	5	3	1	2	1	1	92	100					
385	390	5	3	1	2	1	1	90	95					
390	395	5	3	1	2	1	1	70	100					
395	400	5	3	1	2	1	1	87	100					
400	405	5	3	1	2	1	1	91	100					
405	410	5	3	1	2	1	1	95	100					
410	415	5	3 + 5	1	2	1	1	80	100					413'-422.9' Unit 5 f gr quartz diorite dyke/sill, c gr biotite and actinolite near contacts @80 deg to ca, minor calcite, gypsum veining
415	420	5	5	1	1	1	1	80	100					
420	425	5	3 + 5	1	2	1	1	74	100					
425	430	5	3	1	2	1	1	87	100					422.9'-626.5 Unit 3 amphibolite (metavolcanic), sharp contacts at 70-80 deg to ca
430	435	5	3	1	2	1	1	95	100					
435	440	5	3	1	2	1	1	80	100					
440	445	5	3	1	2	1	1	100	100					
445	450	5	3	1	2	1	1	87	100					
450	455	5	3	1	2	1	1	92	100					
455	460	5	3	1	2	1	1	96	100					
460	465	5	3	1	2	1	1	100	100					
465	470	5	3	1	2	1	1	95	100					
470	475	5	3	2	2	4	2	100	100	164412	470	475	5	4% qtz 0.1-2 cm @60 degrees to ca, 3% cal, 1% diss & frac fill py, 4% c gr biotite-phlogopite 1-2 cm bands
475	480	5	3	2	2	4	2	94	100	164413	475	480	5	4% qtz 0.1-2 cm @60 degrees to ca, 3% cal, 1% diss & frac fill py, 4% c gr biotite-phlogopite 1-2 cm bands
480	485	5	3	2	2	4	2	100	100	164414	480	485	5	4% qtz 0.1-2 cm @60 degrees to ca, 3% cal, 1% diss & frac fill py, 4% c gr biotite-phlogopite 1-2 cm bands
485	490	5	3	2	2	4	2	100	100	164415	485	490	5	4% qtz 0.1-2 cm @60 degrees to ca, 3% cal, 1% diss & frac fill py, 4% c gr biotite-phlogopite 1-2 cm bands
490	495	5	3	2	2	3	2	90	100	164416	490	495	5	3% qtz 0.1-2 cm @80 degrees to ca, 3% cal, 1% diss & frac fill py, late stage cal/qtz/gypsum veins @10 deg to ca, tr tourmaline
495	500	5	3	2	2	3	2	89	100	164417	495	500	5	3% qtz 0.1-2 cm @80 degrees to ca, 3% cal, 1% diss & frac fill py, late stage cal/qtz/gypsum veins @10 deg to ca, tr tourmaline
500	505	5	3	2	2	3	2	93	100	164418	500	506	6	3% qtz 0.1-2 cm @80 degrees to ca, 3% cal, 1% diss & frac fill py, late stage cal/qtz/gypsum veins @10 deg to ca, tr tourmaline
505	510	5	3	1	2	1	1	92	90					
510	515	5	3	1	2	1	1	100	90					
515	520	5	3	1	2	1	1	90	90					
520	525	5	3	1	2	1	1	100	90					
525	530	5	3	1	2	1	1	100	90					
530	535	5	3	1	2	1	1	90	95					
535	540	5	3	1	2	1	1	92	95					
540	545	5	3	1	2	1	1		100					
545	550	5	3	1	2	1	1	90	100					
550	555	5	3	1	2	1	1	100	100					
555	560	5	3	1	2	1	1	90	100					
560	565	5	3	2	2	5	3	100	100	164419	561	566	5	5% qtz 0.1-2 cm @80 degrees to ca, 3% cal, 1% diss & frac fill py, late stage cal/qtz/gypsum veins @10-20 deg to ca
565	570	5	3	2	2	5	3	100	100	164420	566	571	5	5% qtz 0.1-2 cm @80 degrees to ca, 3% cal, 1% diss & frac fill py, late stage cal/qtz/gypsum veins @10-20 deg to ca
570	575	5	3	2	2	3	2	100	100	164421	571	577	6	3% qtz 0.1-1 cm @75 degrees to ca, 2% cal, 1% diss & frac fill py
575	580	5	3	2	2	3	2	100	100	164422	577	583.6	6.6	3% qtz 0.1-1 cm @75 degrees to ca, 2% cal, 1% diss & frac fill py
580	585	5	3	1	2	1	1	100	100					
585	590	5	3	1	2	1	1	99	100					
590	595	5	3	1	2	1	1	100	100					
595	600	5	3	2	2	3	2	98	100	164423	596.5	603.5	7	3% qtz 0.1-1 cm @75 degrees to ca, 2% cal, 1% diss & frac fill py
600	605	5	3	2	2	6	3	83	100	164424	603.5	610	6.5	6% qtz 0.1-1.5 cm @10-70 degrees to ca, 4% cal, 1% diss & frac fill py, weak breccia texture developed, trace tourmaline
605	610	5	3	2	2	6	3	100	95	164425	610	615	5	6% qtz 0.1-1.5 cm @10-70 degrees to ca, 4% cal, 1% diss & frac fill py, weak breccia texture developed, trace tourmaline
610	615	5	3	2	2	6	3	84	95	164426	615	620	5	6% qtz 0.1-1.5 cm @10-70 degrees to ca, 4% cal, 1% diss & frac fill py, weak breccia texture developed, trace tourmaline
615	620	5	3	2	2	5	3	90	100	164427	620	625	5	5% qtz 0.1-1.5 cm @10 & 90 degrees to ca, 3% cal, 1% diss & frac fill py, foliation contorted 623.5-624, trace tourmaline
620	625	5	3	2	2	4	3	100	100	164428	625	630	5	4% qtz 0.1-1.5 cm @60-90 degrees to ca, 1% cal, 1% diss & frac fill py, foliation contorted 626.5-629, 626.5'-720' Unit 1 black biotite schist
625	630	5	1 + 3	2	2	3	2	80	100	164429	630	635	5	3% qtz 0.1-1.5 cm @45 & 80 degrees to ca, 1% cal, 1% diss & frac fill py
630	635	5	1	2	1	3	2	100	100	164430	635	640	5	3% qtz 0.1-1.5 cm @45 & 80 degrees to ca, 1% cal, 1% diss & frac fill py
635	640	5	1	2	1	3	2	100	100	164431	640	645	5	3% qtz 0.1-1.5 cm @45 & 80 degrees to ca, 1% cal, 1% diss & frac fill py
640	645	5	1	2	1	3	2	95	100	164432	645	650	5	3% qtz 0.1-1.5 cm @45 & 80 degrees to ca, 1% cal, 1% diss & frac fill py
645	650	5	1	2	1	3	2	95	100	164433	650	655	5	3% qtz 0.1-1.5 cm @45 & 80 degrees to ca, 1% cal, 1% diss & frac fill py
650	655	5	1	2	1	3	2	82	100	164434	655	660	5	3% qtz 0.1-1.5 cm @15 & 45 degrees to ca, 1% cal, 1% diss & frac fill py, lt green altered bleached, increased tourmaline, garnet
655	660	5	1	2	1	3	2	55	100	164435	660	665	5	3% qtz 0.1-1.5 cm @15 & 45 degrees to ca, 1% cal, 1% diss & frac fill py, lt green altered bleached, increased tourmaline, garnet
660	665	5	1	2	1	4	2	100	100	164436	665	670	5	4% qtz 0.1-1 cm @70-75 degrees to ca, 1% diss & frac fill py, trace graphite
665	670	5	1	2	1	4	2	76	100	164437	670	675	5	4% qtz 0.1-1 cm @70-75 degrees to ca, 1% diss & frac fill py, trace graphite
670	675	5	1	2	1	4	2	91	100	164438	675	680	5	4% qtz 0.1-1 cm @70-75 degrees to ca, 1% diss & frac fill py, trace graphite
675	680	5	1	1	1	1	1	100	100					
680	685	5	1	1	1	1	1	100	100					
685	690	5	1	1	1	1	1	100	100					
690	695	5	1	1	1	1	1	100	100					
695	700	5	1	1	1	1	1	98	100					
700	705	5	1	1	1	1	1	100	100					
705	710	5	1	2	1	4	22	92	100	164439	705	710	5	4% qtz 0.1-1 cm @70-75 degrees to ca, 1% diss & frac fill py, trace graphite
710	715	5	1	2	1	4	2	75	100	164440	710	715	5	4% qtz 0.1-1 cm @70-75 degrees to ca, 1% diss & frac fill py, trace graphite
715	720	5	1	2	1	4	2	70	95	164441	715	720	5	4% qtz 0.1-1 cm @70-75 degrees to ca, 1% diss & frac fill py, trace graphite, 720' EOH

Valentine Mountain Project Drill Core Log and Sample Record

Date/Target:	**November, 2010 / Discovery Zone cross structure**		**Pajari Test**	**Azimuth**	**Dip**	**Hole Number:**		**10-2**	
Location:	**UTM NAD83 Zone 10N 434558E 5374235N 820 m. elevation uncorrected**		none			**Collar Azimuth:**		**270**	
Total Length:	**268 feet = 81.69 metres**						**Collar Dip:**	**-60**	
Interval (m)	**Description**	**Rx**	**Sample No**	**From (m)**	**To (m)**	**Length (m)**	**Au g/t**	**Ag g/t**	**As ppm**
0.61	Overburden		casing	0.00	0.61	0.61			
3.23	Metasandstone	2		0.61	3.84	3.23			
1.95	Metasandstone	2	164442	3.84	5.79	1.95	0.002	0.07	5.4
3.20	Metasandstone	2		5.79	8.99	3.20			
1.07	Metasandstone	2	164443	8.99	10.06	1.07	0.003	0.08	4.4
1.71	Metasandstone	2	164444	10.06	11.77	1.71	0.001	0.1	5.7
1.92	Metasandstone	2	164445	11.77	13.69	1.92	0.002	0.07	4.2
1.86	Metasandstone	2	164446	13.69	15.54	1.86	0.002	0.1	1.2
1.52	Quartz Vein	6	164447	15.54	17.07	1.52	0.001	0.08	3.4
1.83	Metasandstone	2	164448	17.07	18.90	1.83	0.004	0.12	6.2
1.83	Metasandstone	2	164449	18.90	20.73	1.83	0.001	0.22	6.9
1.22	Metasandstone	2	164450	20.73	21.95	1.22	0.001	0.1	50.8
0.64	Metasandstone	2	164451	21.95	22.59	0.64	0.001	0.1	2.7
2.10	Metasandstone	2	164452	22.59	24.69	2.10	<0.001	0.05	2
1.98	Metasandstone	2	164453	24.69	26.67	1.98	0.001	0.06	3.2
0.52	Metasandstone	2	164454	26.67	27.19	0.52	<0.001	0.12	43.3
1.40	Metasandstone	2	164455	27.19	28.59	1.40	0.001	0.05	3.1
0.98	Quartz Vein	6	164456	28.59	29.57	0.98	0.005	0.08	4.3
1.40	Metasandstone	2	164457	29.57	30.97	1.40	0.001	0.06	1.8
0.79	Quartz Vein	6	164458	30.97	31.76	0.79	0.002	0.05	2.2
1.31	Metasandstone	2	164459	31.76	33.07	1.31	0.001	0.05	1.7
1.95	Metasandstone	2	164460	33.07	35.02	1.95	<0.001	0.06	4.3
6.07	Metasandstone	2		35.02	41.09	6.07			
0.94	Quartz Vein	6	164461	41.09	42.03	0.94	0.001	0.1	7
1.83	Metasandstone	2	164462	42.03	43.86	1.83	<0.001	0.06	8.9
2.16	Metapelite	1	164463	43.86	46.02	2.16	0.011	0.21	58.7
0.91	Metapelite	1	164464	46.02	46.94	0.91	0.69	0.28	1115
1.95	Metapelite	1	164465	46.94	48.89	1.95	0.026	0.1	59.2
0.43	Metapelite	1	164466	48.89	49.32	0.43	0.31	0.19	1380
1.52	Metapelite	1	164467	49.32	50.84	1.52	0.017	0.12	148
2.50	Metapelite	1	164468	50.84	53.34	2.50	0.071	0.14	20.3
1.52	Metapelite	1	164469	53.34	54.86	1.52	0.003	0.11	19
1.52	Metapelite	1	164470	54.86	56.39	1.52	0.003	0.15	19.2
1.52	Metapelite	1	164471	56.39	57.91	1.52	0.001	0.11	12.5
1.52	Metapelite	1	164472	57.91	59.44	1.52	0.001	0.12	5.6
1.52	Metapelite	1	164473	59.44	60.96	1.52	0.001	0.11	5.2
1.52	Metapelite	1	164474	60.96	62.48	1.52	0.002	0.06	9.1
1.52	Metapelite	1	164475	62.48	64.01	1.52	0.001	0.05	10.8
1.52	Metapelite	1	164476	64.01	65.53	1.52	0.001	0.04	8.3
1.52	Metapelite	1	164477	65.53	67.06	1.52	<0.001	0.04	6.2
1.52	Metapelite	1	164478	67.06	68.58	1.52	0.001	0.05	2.3
1.52	Metapelite	1	164479	68.58	70.10	1.52	0.001	0.08	1.9
1.52	Metapelite	1	164480	70.10	71.63	1.52	0.001	0.05	1.4
1.52	Metapelite	1	164481	71.63	73.15	1.52	<0.001	0.13	7.4
1.52	Metapelite	1	164482	73.15	74.68	1.52	0.002	0.09	9.8
1.52	Metapelite	1	164483	74.68	76.20	1.52	<0.001	0.05	2.2
1.65	Metapelite	1	164484	76.20	77.85	1.65	0.001	0.07	2.7
1.40	Metapelite	1	164485	77.85	79.25	1.40	0.001	0.12	5.5
1.22	Metapelite	1	164486	79.25	80.47	1.22	0.001	0.31	4.1
1.22	Metapelite	1	164487	80.47	81.69	1.22	<0.001	0.11	3

VA10170273 - Finalized
CLIENT : "MILBAVE - Mill Bav Ventures"
# of SAMPLES : 148
DATE RECEIVED : 2010-11-16 DATE FINALIZED : 2010-12-07
PROJECT : "Valentine"
CERTIFICATE COMMENTS : "ME-MS41:Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g). "
PO NUMBER : " "

SAMPLE	Au-TL44	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr
DESCRIPTION	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
164442	0.002	0.07	2.8	5.4	<0.2	<10	330	0.17	0.12	0.55	0.03	23.2	14.1	54	3.54	30.4	3.46	11	0.1	0.02	<0.01	0.033	1.37	10.9	36.2	1.29	357	0.72	0.13	0.22	32.6	710	2	68.4	<0.001	0.13	0.07	10.5	0.4	0.8	41	<0.01	0.02	3.9	0.192	0.37	0.69	100	1.94	4.66	57	<0.5
164443	0.003	0.08	2.65	4.4	<0.2	<10	370	0.14	0.13	0.73	0.05	12.05	13.4	49	2.84	36.2	3.28	10.05	0.11	<0.02	<0.01	0.031	1.26	6.1	30.2	1.28	386	1.3	0.14	0.23	27.8	610	2.1	56.1	0.002	0.33	0.14	10	0.4	0.7	66.5	<0.01	0.02	2.6	0.188	0.28	0.4	97	0.18	4.14	71	<0.5
164444	0.001	0.1	2.83	5.7	<0.2	<10	430	0.13	0.15	0.47	0.06	14.75	14.9	61	3.83	37	3.99	10.65	0.11	<0.02	<0.01	0.029	1.68	6.9	33.7	1.44	449	0.95	0.14	0.29	37.5	710	2	79.6	0.001	0.47	0.14	9.4	0.6	0.7	33.3	<0.01	0.03	4.4	0.239	0.42	0.66	107	0.24	4.95	91	<0.5
164445	0.002	0.07	2.52	4.2	<0.2	<10	470	0.1	0.09	0.7	0.06	9.88	13.2	51	2.31	25.5	3.3	10.6	0.14	0.02	<0.01	0.032	1.35	5.1	26.4	1.3	457	0.79	0.18	0.28	25.7	600	1.9	51.3	0.001	0.37	0.13	10.8	0.4	0.8	37.5	<0.01	0.01	2.5	0.24	0.27	0.47	100	0.22	5.36	70	<0.5
164446	0.002	0.08	2.35	1.2	<0.2	<10	460	0.1	0.14	0.38	0.06	9.73	13.7	44	2.67	29.1	3.35	9.55	0.1	0.02	<0.01	0.027	1.53	5	25.1	1.33	472	0.77	0.13	0.22	26.5	620	2	62.2	0.001	0.45	0.15	8.9	0.4	0.6	26.1	<0.01	0.02	2.5	0.264	0.33	0.62	87	0.21	6.12	73	<0.5
164447	0.001	0.08	2.64	3.4	<0.2	<10	590	0.12	0.05	0.8	0.06	7.6	13.6	54	2.41	21.9	3.4	11.05	0.14	0.02	<0.01	0.032	1.57	3.9	26.8	1.39	525	0.71	0.16	0.27	25.4	640	2.1	59.2	<0.001	0.38	0.14	11.4	0.3	0.8	61.4	0.01	0.02	2	0.287	0.32	0.34	101	0.22	6.35	70	<0.5
164448	0.004	0.12	2.32	6.2	<0.2	<10	450	0.1	0.08	0.67	0.06	9.79	13.2	57	2.23	23.8	3.42	10.3	0.12	0.02	<0.01	0.037	1.37	5.1	25.8	1.37	504	1.05	0.14	0.33	25	640	1.9	49.2	0.001	0.55	0.2	11.9	0.4	0.9	38.8	0.01	0.02	2.4	0.27	0.27	0.46	107	0.24	6.73	69	<0.5
164449	0.001	0.22	2.56	6.9	<0.2	<10	470	0.12	0.07	1.3	0.12	8.99	12.6	51	2.74	23.9	3.4	10.2	0.13	0.02	<0.01	0.03	1.49	4.7	26.6	1.24	565	0.64	0.14	0.27	24.5	610	2.5	56.9	0.001	0.23	0.1	10.8	0.4	0.8	79.1	0.01	0.02	2.5	0.283	0.32	0.42	99	0.29	6.14	70	<0.5
164450	0.001	0.1	2.44	50.8	<0.2	<10	410	0.1	0.09	0.66	0.06	11.8	12.6	42	3.04	24.8	3.36	9.13	0.11	0.02	<0.01	0.025	1.59	6.1	26	1.23	492	0.61	0.11	0.24	24	570	1.8	63.1	0.001	0.27	0.1	8.9	0.4	0.6	56.5	<0.01	0.03	2.8	0.291	0.35	0.5	86	0.22	5.2	72	<0.5
164451	0.001	0.1	2.53	2.7	<0.2	<10	320	0.21	0.12	1.03	0.08	12.1	13	38	2.12	26.1	3.23	8.73	0.1	0.02	<0.01	0.021	1.7	6.2	25.6	1.17	508	0.9	0.13	0.19	23.9	550	3.1	48.4	0.001	0.46	0.11	7.5	0.4	0.4	50	<0.01	0.02	2.7	0.215	0.27	0.55	75	0.2	6.48	68	<0.5
B-5	0.003	0.08	2.71	<0.1	<0.2	<10	10	0.07	0.01	2.01	0.06	6.27	19.5	107	<0.05	220	3.99	6.88	0.14	0.24	<0.01	0.012	0.02	2.4	0.6	1.03	345	0.22	0.4	0.17	40.8	400	0.3	0.5	0.001	0.04	<0.05	5.7	0.6	0.3	36	0.01	0.06	<0.2	0.273	<0.02	<0.05	138	<0.05	9.96	26	9.3
164452	<0.001	0.05	2.13	2	<0.2	<10	590	0.08	0.06	0.43	0.03	8.89	12	52	2	20.4	3.15	9.37	0.14	0.02	<0.01	0.032	1.28	4.7	28.4	1.31	421	0.48	0.15	0.25	22.1	590	1.2	44.6	<0.001	0.1	0.09	10.8	0.3	0.8	29.9	<0.01	0.01	2.7	0.235	0.23	0.37	98	0.21	5.79	63	<0.5
164453	0.001	0.06	2.41	3.2	<0.2	<10	550	0.11	0.07	0.55	0.03	9.61	13.9	54	2.04	23.1	3.32	9.93	0.14	0.02	0.01	0.029	1.37	5	29.9	1.34	403	0.56	0.18	0.24	25.4	670	1.6	48.9	<0.001	0.14	0.08	10.5	0.3	0.7	47.7	<0.01	0.01	2.4	0.253	0.25	0.36	108	0.28	5.71	67	<0.5
164454	<0.001	0.12	2.6	43.3	<0.2	<10	670	0.11	0.13	0.61	0.07	10.65	15.7	50	2.41	42.1	3.74	10.8	0.12	0.02	<0.01	0.03	1.75	5.5	38.4	1.48	491	0.83	0.11	0.25	28.4	700	1.5	69.1	0.001	0.36	0.12	10.3	0.5	0.7	39.3	<0.01	0.03	2.3	0.315	0.36	0.47	105	0.33	5.9	79	0.5
164455	0.001	0.05	1.94	3.1	<0.2	<10	340	0.1	0.05	0.64	0.03	7.83	13	49	1.67	23.7	2.8	8.45	0.15	0.02	0.01	0.023	0.91	4.1	27.7	1.23	289	0.51	0.16	0.17	23.8	690	1.4	34.2	<0.001	0.06	0.09	7.9	0.2	0.5	43.9	<0.01	0.01	1.9	0.189	0.17	0.31	94	0.2	5.53	57	<0.5
164456	0.005	0.08	2.47	4.3	<0.2	<10	400	0.15	0.05	1.32	0.04	7.03	12.5	46	1.49	25.6	2.8	9.76	0.18	0.02	<0.01	0.02	0.93	3.6	29.9	1.2	349	0.54	0.23	0.17	23	680	2.8	33.9	<0.001	0.12	0.25	6.9	0.3	0.4	67.4	<0.01	0.01	1.7	0.19	0.17	0.25	89	1.19	4.72	60	<0.5
164457	0.001	0.06	1.79	1.8	<0.2	<10	390	0.09	0.06	0.55	0.03	9.54	12.7	52	1.73	30.1	2.72	8.07	0.15	0.02	<0.01	0.023	0.9	4.9	26.8	1.14	240	0.49	0.18	0.18	23.7	700	1.3	35.2	<0.001	0.12	0.09	7.8	0.3	0.5	26	<0.01	0.01	2.3	0.194	0.18	0.37	98	0.21	5.91	53	<0.5
164458	0.002	0.05	1.75	2.2	<0.2	<10	370	0.08	0.05	0.84	0.03	8.49	12.2	48	2.17	27.1	2.6	7.55	0.17	0.03	<0.01	0.018	0.84	4.5	25.3	1.11	271	0.55	0.16	0.16	22.6	700	1.2	33.8	<0.001	0.07	0.09	5.5	0.3	0.4	40.2	<0.01	0.01	2	0.192	0.17	0.32	82	0.19	5.1	51	<0.5
164459	0.001	0.05	1.91	1.7	<0.2	<10	420	0.1	0.05	0.67	0.03	7.66	11.9	48	2.35	24.2	2.78	7.8	0.15	0.03	<0.01	0.018	0.98	3.8	24.7	1.14	324	0.51	0.17	0.19	22.2	670	1.4	36.6	<0.001	0.07	0.1	5.7	0.3	0.4	29.8	<0.01	0.01	2	0.226	0.19	0.29	86	0.19	4.94	55	0.5
164460	<0.001	0.06	2.12	4.3	<0.2	<10	550	0.09	0.07	0.47	0.03	9.5	13.9	56	3.18	29	3.16	9.68	0.15	0.02	<0.01	0.03	1.18	4.9	34.5	1.4	311	0.55	0.16	0.18	24.7	710	1.3	45.5	<0.001	0.1	0.1	10.2	0.3	0.7	28.5	<0.01	0.01	2.2	0.223	0.23	0.34	111	0.2	5.77	64	<0.5
164461	0.001	0.1	2.51	7	<0.2	<10	460	0.12	0.1	1.2	0.09	7.99	12.5	50	2.17	31.7	3.34	9.47	0.11	0.02	<0.01	0.024	1.45	4.2	25.8	1.27	532	0.99	0.14	0.24	25.1	550	2.2	53.6	0.001	0.44	0.08	9	0.4	0.8	87.7	<0.01	0.02	1.8	0.265	0.29	0.33	91	0.29	5.6	68	<0.5
164462	<0.001	0.06	2.34	8.9	<0.2	<10	470	0.1	0.06	0.77	0.05	7.18	12.2	50	2.17	19.2	3.12	9.58	0.11	<0.02	<0.01	0.03	1.44	3.8	25.4	1.27	483	0.49	0.13	0.23	22.9	570	1.6	51.8	<0.001	0.17	0.06	10.5	0.3	0.8	29.3	<0.01	0.01	1.7	0.267	0.27	0.26	94	0.25	5	64	<0.5
164463	0.011	0.21	2.63	58.7	<0.2	<10	390	0.15	0.16	0.61	0.11	11.5	14.4	58	2.51	37.5	4.04	9.74	0.11	0.03	<0.01	0.029	1.56	5.9	21.4	1.32	451	1.04	0.16	0.26	29.7	670	3.1	60.5	0.003	0.83	0.1	10.8	0.6	0.6	40.7	0.01	0.03	2.8	0.306	0.34	0.56	114	0.54	6.64	84	0.5
164464	0.218	0.28	2.38	1115	0.6	<10	450	0.11	0.12	0.54	0.11	10.25	14.1	58	2.64	30	3.59	10.65	0.12	0.02	<0.01	0.037	1.52	5.3	24.7	1.38	461	0.76	0.14	0.19	26.7	640	2.3	56.3	0.001	0.39	0.44	12.2	0.7	0.8	23.4	<0.01	0.04	2.3	0.274	0.3	0.37	119	0.72	5.77	81	<0.5
164465	0.026	0.1	2.2	59.2	<0.2	<10	400	0.1	0.06	0.56	0.06	10.05	12.4	51	2.54	22.6	3.21	8.96	0.11	0.02	<0.01	0.024	1.34	5.3	22.4	1.3	451	0.52	0.13	0.21	22.6	640	2.1	49.2	0.001	0.15	0.06	9.8	0.3	0.7	24.8	<0.01	0.01	2.2	0.252	0.27	0.35	98	0.5	5.88	68	0.5
164466	0.165	0.19	2.87	1380	0.3	<10	380	0.24	0.14	1.02	0.11	9.23	13.5	51	2.95	22.1	3.58	11.8	0.12	0.02	0.02	0.032	1.57	4.8	22.3	1.3	565	0.64	0.23	0.19	25	500	2.7	67.3	0.001	0.39	0.55	11.7	0.7	0.7	58.7	<0.01	0.06	2.1	0.275	0.37	0.46	100	0.81	5.86	75	0.5
164467	0.017	0.12	2.25	148	<0.2	<10	430	0.11	0.1	0.38	0.06	11.55	12.4	46	3.09	24.8	3.23	9.74	0.09	0.02	<0.01	0.028	1.52	6.1	27.3	1.21	526	0.6	0.13	0.25	24.9	540	2	62.2	0.001	0.24	0.11	10.5	0.4	0.7	23	<0.01	0.02	2.9	0.276	0.34	0.49	87	0.7	5.95	71	0.5
164468	0.071	0.14	2.27	20.3	<0.2	<10	410	0.13	0.11	0.57	0.07	10.3	11.6	47	3.22	27.8	3.22	9.73	0.11	0.02	<0.01	0.028	1.35	5.7	27	1.15	507	0.85	0.12	0.27	23.9	640	2.2	57.7	0.001	0.26	0.06	9	0.4	0.8	27.5	<0.01	0.02	2.9	0.244	0.33	0.6	89	0.8	6.14	70	<0.5
164469	0.003	0.11	2.35	19	<0.2	<10	410	0.11	0.14	0.5	0.06	12.1	14.4	62	2.5	30.3	3.62	10.7	0.11	0.02	0.01	0.038	1.2	6.4	34.6	1.33	393	2.05	0.1	0.25	30.7	630	2.2	50.1	0.002	0.36	0.07	10.9	0.5	0.9	18.4	<0.01	0.04	2.9	0.187	0.29	0.39	118	0.94	5.54	79	<0.5
164470	0.003	0.15	3.04	19.2	<0.2	<10	390	0.18	0.2	0.71	0.09	12.55	15	67	3.75	47.1	4.4	12.75	0.12	0.02	<0.01	0.044	1.62	6.5	42.7	1.5	462	1.15	0.15	0.27	39.5	930	2.6	71	0.001	0.58	0.05	12.8	0.7	0.9	49.3	<0.01	0.06	3	0.216	0.4	0.41	134	1.07	5.75	94	<0.5
164471	0.001	0.11	3.07	12.5	<0.2	<10	340	0.12	0.16	0.3	0.06	16.2	15.1	59	4.16	52.8	4.79	10.85	0.13	0.02	<0.01	0.04	1.79	7.5	41.3	1.59	445	0.94	0.09	0.26	40.7	1010	2.2	84.2	0.001	0.39	<0.05	10.4	0.6	0.8	17.7	<0.01	0.05	3	0.23	0.47	0.35	118	0.25	5.04	43	<0.5
B-6	0.012	0.14	2.49	0.2	<0.2	<10	10	0.07	0.01	1.73	0.05	4.06	21.2	143	<0.05	362	4.46	5.87	0.12	0.12	0.01	0.01	0.02	1.8	0.5	0.81	339	0.16	0.38	0.2	49.7	400	0.2	0.4	0.01	0.06	<0.05	4.3	0.5	0.3	33.6	<0.01	0.02	<0.2	0.22	<0.02	<0.05	147	<0.05	7.82	22	3.3
164472	0.001	0.12	2.92	5.6	<0.2	<10	320	0.11	0.24	0.31	0.06	15.2	16.2	55	4.04	55	4.58	9.66	0.12	0.02	<0.01	0.037	1.72	7	34.1	1.52	413	1.12	0.08	0.27	43.5	1070	2.2	81.6	0.001	0.46	<0.05	9.7	0.7	0.8	17.2	<0.01	0.06	2.6	0.215	0.47	0.34	109	0.19	4.47	32	<0.5
164473	0.001	0.1	2.65	5.2	<0.2	<10	440	0.14	0.14	0.44	0.06	14.65	13.6	50	3.29	38.9	3.96	10.15	0.1	0.02	<0.01	0.031	1.48	7	33.3	1.45	419	0.71	0.09	0.27	31.6	810	1.9	67.7	0.001	0.44	<0.05	9.2	0.5	0.7	20.4	<0.01	0.04	2.5	0.204	0.38	0.38	97	0.2	4.76	53	<0.5
164474	0.002	0.06	1.73	9.1	<0.2	<10	450	0.1	0.08	0.51	0.05	10.2	10.1	40	2.26	21.4	2.78	7.96	0.12	0.02	<0.01	0.027	1.01	5.6	23.3	1.04	371	0.61	0.11	0.28	19	590	1.6	40.4	<0.001	0.32	0.14	8.2	0.3	0.8	15.5	<0.01	0.02	2.4	0.188	0.21	0.39	80	0.18	5.28	53	<0.5
164475	0.001	0.05	2.17	10.8	<0.2	<10	510	0.13	0.06	0.56	0.06	9.9	11.2	41	2.25	20.3	2.91	9.63	0.11	0.02	<0.01	0.027	1.26	5.4	27.1	1.1	416	0.69	0.14	0.29	19.9	510	1.7	50.5	0.001	0.24	0.07	8.6	0.4	0.8	29.6	<0.01	0.01	2.5	0.221	0.26	0.44	78	0.19	5.49	60	<0.5
164476	0.001	0.04	1.85	8.3	<0.2	<10	430	0.11	0.06	0.41	0.04	15.4	9.9	44	2.26	16.2	2.81	9.05	0.12	0.02	<0.01	0.034	0.96	7.6	25.3	1.09	345	0.48	0.14	0.29	18	510	1.5	37.7	<0.001	0.17	0.11	9.6	0.3	1	20	<0.01	0.01	3.5	0.175	0.2	0.52	84	0.18	5.21	57	<0.5
164477	<0.001	0.04	1.71	6.2	<0.2	<10	420	0.13	0.06	0.48	0.04	14	9.6	42	2.28	15.7	2.6	8.86	0.12	0.02	<0.01	0.032	0.84	6.9	25.9	1.04	319	0.46	0.14	0.27	17.8	500	1.5	34.3	<0.001	0.12	0.22	9.4	0.3	0.9	20.2	<0.01	0.01	3.2	0.156	0.18	0.51	80	0.17	5.66	52	<0.5
164478	0.001	0.05	2.07	2.3	<0.2	<10	440	0.14	0.07	0.54	0.04	10.2	12	43	2.49	21.2	3.05	9.75	0.1	0.02	<0.01	0.019	1.18	5.7	31.3	1.18	388	0.62	0.13	0.27	22.1	600	1.9	46.5	0.001	0.39	0.17	9.2	0.3	0.8	28.4	<0.01	0.01	2.6	0.21	0.25	0.44	86	0.31	5.86	63	<0.5
164479	0.001	0.08	2.25	1.9	<0.2	<10	380	0.12	0.08	0.63	0.06	9.75	13.4	45	2.19	24.5	3.37	9.38	0.1	0.03	<0.01	0.029	1.31	5.3	28.5	1.34	446	0.82	0.14	0.22	23.6	670	2	49.9	0.001	0.67	0.17	9.1	0.4	0.7	30.7	<0.01	0.02	2.2	0.226	0.28	0.4	90	0.2	6.03	68	<0.5
164480	0.001	0.05	2.43	1.4	<0.2	<10	380	0.14	0.07	0.55	0.04	10.55	11.6	44	2.21	22	3.06	10.25	0.11	0.02	<0.01	0.032	1.24	5.7	32	1.33	426	0.55	0.17	0.22	21.5	560	2.4	45.4	0.001	0.25	0.14	9.2	0.3	0.9	42.7	<0.01	0.02	2.2	0.194	0.24	0.41	87	0.18	4.64	66	<0.5
164481	<0.001	0.13	2.65	7.4	<0.2	<10	310	0.28	0.19	1.16	0.08	12.85	11.9	40	2.48	27.7	3.21	10	0.1	0.02	<0.01	0.028	1.18	6.7	31.2	1.2	467	1.73	0.13	0.28	24.7	560	8.6	49	0.002	0.45	0.25	7.2	0.5	0.7	63.2	<0.01	0.03	3.5	0.171	0.31	0.87	77	0.15	5.02	73	<0.5
164482	0.002	0.09	2.57	9.8	<0.2	<10	380	0.18	0.12	0.56	0.07	14.9	13.3	52	3.32	33	3.56	10.5	0.11	0.02	<0.01	0.03	1.4	7.3	34.2	1.22	401	0.76	0.12	0.26	29.8	650	2.7	59.4	0.001	0.22	0.08	8.7	0.5	0.9	40.3	<0.01	0.03	4.3	0.204	0.36	0.62	96	0.16	5.6	84	<0.5
164483	<0.001	0.05	2.33	2.2	<0.2	<10	360	0.13	0.05	0.44	0.04	14.05	10	37	2.43	15.6	2.78	9.98	0.11	0.02	<0.01	0.027	1.27	7.1	28.6	1.19	388	0.42	0.13	0.22	17.8	490	1.9	48.7	<0.001	0.1	0.1	8	0.3	0.8	31.5	<0.01	0.01	3.1	0.199	0.28	0.57	72	0.15	4.88	61	<0.5
164484	0.001	0.07	2.42	2.7	<0.2	<10	370	0.15	0.13	0.6	0.06	13.05	11.4	42	2.2	24.5	3.25	10.15	0.11	0.02	<0.01	0.03	1.16	7.1	28.5	1.27	433	0.61	0.14	0.28	20.7	550	3.4	42.2	0.001	0.24	0.17	8	0.4	0.7	36.5	<0.01	0.02	3.6	0.199	0.25	0.66	81	0.17	5.49	72	<0.5
164485	0.001	0.12	2.57	5.5	<0.2	<10	380	0.24	0.22	0.53	0.1	13.4	14.6	40	3.24	33.7	3.67	9.01	0.08	0.02	<0.01	0.02	1.44	7.2	27	1.07	405	4.55	0.11	0.27	31.6	570	2.9	61.6	0.003	0.65	0.24	6.8	0.6	0.6	48.7	<0.01	0.05	4	0.228	0.37	0.87	73	0.16	5.38	82	<0.5
164486	0.001	0.31	2.34	4.1	<0.2	<10	340	0.12	0.18	1.23	0.18	9.3	13.2	35	2.85	31.7	3.67	8.43	0.09	0.02	<0.01	0.019	1.47	5	21.3	1.12	460	1.99	0.08	0.23	26.2	570	2.9	59.1	0.002	0.73	0.21	5.9	0.6	0.6	119	<0.01	0.04	3	0.233	0.37	0.62	74	0.17	5.23	78	<0.5
164487	<0.001	0.11	2.55	3	<0.2	<10	430	0.17	0.12	1.53	0.11	8.82	13.1	44	2.52	29.4	3.59	10.65	0.11	0.02	<0.01	0.028	1.43	4.8	26.6	1.23	504	1.22	0.13	0.25	24.8	560	2.5	55.5	0.002	0.6	0.16	9.5	0.6	0.9	159.5	<0.01	0.03	1.9	0.252	0.32	0.5	92	0.16	5.92	73	<0.5

VA10190105 - Finalized
CLIENT : "MILBAVE - Mill Bay Ventures"
# of SAMPLES : 3
DATE RECEIVED : 2010-12-15 DATE FINALIZED : 2010-12-19
PROJECT : "Valentine"
CERTIFICATE COMMENTS : ""
PO NUMBER : "Additional Analysis"

	Au-SCR24	Au-SCR24	Au-SCR24	Au-SCR24	Au-SCR24	Au-SCR24	Au-AA26	Au-AA26D
SAMPLE	Au Total (+)(-) Combined	Au (+) Fraction	Au (-) Fraction	Au (+) mg	WT. + Frac Entire	WT. - Frac Entire	Au	Au
DESCRIPTION	ppm	ppm	ppm	mg	g	g	ppm	ppm
164464	0.69	12.35	0.48	0.249	20.15	1095	0.43	0.53
164466	0.31	0.69	0.3	0.005	7.3	284.4	0.28	0.32

Valentine Mountain Project Drill Core Log and Sample Record

Date/Target:	**November, 2010 / Discovery Zone cross structure**							**Acid Tests:**	**Hole Number:**		**10-2**		
Location:	**UTM NAD83 Zone 10N 434558E 5374235N 820 m. elevation uncorrected**							**none**	**Collar Azimuth:**		**270**		
Total Length:	**268 feet = 81.69 metres**								**Collar Dip:**		**-60**		
FROM ft	**TO ft**	**WIDTH ft**	**Lithology**	**% Chlorite**	**% Carbonate**	**% Qtz vns**	**% sulphide**	**RQD (% >10 cm)**	**Recovery**	**Sample No**	**FROM ft**	**TO ft**	**WIDTH ft**	**Description**
2	5	3	2	1	1	1	1	30	100					0'-2'- casing
5	10	5	2	1	1	1	1	80	100					2'-143.9' Unit 2 gneiss (metasandstone)
10	15	5	2	1	1	5	2	20	100	164442	12.6	19	6.4	5% qtz, 0.1-0.5 cm @40-45 deg to ca
15	20	5	2	1	1	1	1	30	100					
20	25	5	2	1	1	1	1	90	100					
25	30	5	2	1	1	5	2	74	100	164443	29.5	33	3.5	6% qtz, 0.1-5 cm @40--70 deg to ca, 0.3% cal as late veins with qtz
30	35	5	2	1	1	3	1	100	100	164444	33	38.6	5.6	3% qtz, 0.1-0.5 cm @40-45 deg to ca
35	40	5	2	1	1	5	2	100	100	164445	38.6	44.9	6.3	5% qtz, 0.1-1.5 cm @ 20 + 80 deg to ca
40	45	5	2	1	1	2	1	100	100	164446	44.9	51	6.1	2% qtz, 0.1-0.2 cm @ 40 + 60 deg to ca
45	50	5	2	1	1	1	1	100	100					
50	55	5	2	5	2	12	3	90	100	164447	51	56	5	12% qtz, 0.1-6 cm @60 deg to ca, 2% chlorite
55	60	5	2	4	1	3	1	100	100	164448	56	62	6	3% qtz, 0.1-0.5 cm @40 + 70 deg to ca, 2% chlorite
60	65	5	2	6	1	3	1	40	100	164449	62	68	6	3% qtz, 0.1-0.5 cm @40 + 70 deg to ca, 2% chlorite, broken grd at 62.6-62.4
65	70	5	2	4	1	3	1	20	100	164450	68	72	4	3% qtz, 0.1-0.5 cm @40 + 70 deg to ca, 2% chlorite, broken grd, fault, minor clay at 71.4-71.8
70	75	5	2	1	1	2	1	20	100	164451	72	74.1	2.1	2% qtz, 0.1-0.5 cm @35-50 deg to ca, 2% chlorite infilling shear, fault, minor clay at 73-73.1
75	80	5	2	1	1	3	1	100	100	164452	74.1	81	6.9	3% qtz, 0.1-0.5 cm @40-50 deg to ca
80	85	5	2	1	1	3	1	100	100	164453	81	87.5	6.5	3% qtz, 0.1-0.5 cm @35-50 deg to ca
85	90	5	2	1	1	3	1	100	100	164454	87.5	89.2	1.7	6% qtz, 0.1-6 cm @35-60 deg to ca
90	95	5	2	2	1	6	2	100	100	164455	89.2	93.8	4.6	2% qtz, 0.1-0.3 cm @35-40 deg to ca
95	100	5	2	2	2	7	2	90	100	164456	93.8	97	3.2	15% qtz, 0.1-8 cm @40, 2% calcite (late-stage), 0.1-0.5 cm @40, minor garnet-chlorite-actinolite, 2% c gr pyo, 1% f gr diss & fract fill py
100	105	5	2	1	3	5	1	100	100	164457	97	101.6	4.6	5% qtz, 0.1-1.5 cm @40-55 deg to ca, 2% chlorite
105	110	5	2	2	1	7	2	100	100	164458	101.6	104.2	2.6	10% qtz, 0.1-1 cm @35-50, weak stockwork texture developed, x-cutting vns
110	115	5	2	1	1	3	1	100	100	164459	104.2	108.5	4.3	4% qtz, 0.1-0.3 cm @40 deg to ca
115	120	5	2	1	1	4	1	100	100	164460	108.5	114.9	6.4	4% qtz, 0.1-0.3 cm @40 deg to ca
120	125	5	2	1	1	1	1	100	100					
125	130	5	2	1	1	1	1	75	100					
130	135	5	2	1	1	1	1	94	100					
135	140	5	2	3	2	12	4	80	100	164461	134.8	137.9	3.1	18% qtz, 0.1-9 cm @40-50, weak stockwork and breccia vein texture developed, x-cutting vns, 2% c gr pyo, 1% diss & fract fill py, 2% chl
140	145	5	1 + 2	1	1	2	1	91	100	164462	137.9	143.9	6	2% qtz, 0.1-0.5 cm @35-45 deg to ca
145	150	5	1	1	1	3	1	75	100	164463	143.9	151	7.1	3% qtz, 0.1-5 cm @30-50 deg to ca, 150-150.5 clay gouge, chl slickensides @28 deg, 143.9'-199.1' Unit 1 black biotite schist (metapelite)
150	155	5	1	2	1	5	2	80	100	164464	151	154	3	5% qtz, 0.1-0.5 cm @40 + 70 deg to ca, broken ground at 153-154
155	160	5	1	2	1	2	1	50	100	164465	154	160.4	6.4	2% qtz, 0.1-0.2 cm @45-65 deg to ca, broken ground at 159.6-160
160	165	5	1	4	1	5	1	85	100	164466	160.4	161.8	1.4	8% qtz, 0.1-1 cm @30-40, pytgmatic vein texture developed, simoidal vns, 2% c gr pyo, 1% diss and fract fill py, 2% chl
165	170	5	1	5	1	6	2	75	100	164467	161.8	166.8	5	6% qtz, 0.1-0.5 cm @40-45, 2% py disseminated and fracture fill, 2% chl
170	175	5	1	1	1	2	1	92	100	164468	166.8	175	8.2	2% qtz, 0.1-0.3 cm @40, 1% py disseminated and fracture fill
175	180	5	1	1	1	4	1	95	100	164469	175	180	5	4% qtz, 0.1-3 cm @40, 1% py disseminated and fracture fill
180	185	5	1	1	1	4	1	100	100	164470	180	185	5	4% qtz, 0.1-3 cm @40, 1% py disseminated and fracture fill
185	190	5	1	1	1	2	1	96	100	164471	185	190	5	2% qtz, 0.1-0.2 cm @35-40, 1% py disseminated and fracture fill
190	195	5	1	1	1	5	2	100	100	164472	190	195	5	5% qtz, 0.1-5 cm @45-50, 1% py disseminated and fracture fill
195	200	5	1 + 2	1	1	2	1	100	100	164473	195	200	5	2% qtz, 0.1-0.2 cm @35-40, 1% py disseminated and fracture fill
200	205	5	2	1	1	4	1	100	100	164474	200	205	5	4% qtz, 0.1-4 cm @35-50, 1% py disseminated and fracture fill, 199.1'-268' Unit 2 gneiss (metasandstone)
205	210	5	2	1	1	4	1	99	100	164475	205	210	5	4% qtz, 0.1-4 cm @35-50, 1% py disseminated and fracture fill
210	215	5	2	1	1	4	1	100	100	164476	210	215	5	4% qtz, 0.1-4 cm @35-50, 1% py disseminated and fracture fill
215	220	5	2	1	1	4	1	100	100	164477	215	220	5	4% qtz, 0.1-4 cm @35-50, 1% py disseminated and fracture fill
220	225	5	2	1	1	4	1	82	100	164478	220	225	5	4% qtz, 0.1-4 cm @35-50, 1% py disseminated and fracture fill
225	230	5	2	1	1	4	1	100	100	164479	225	230	5	4% qtz, 0.1-4 cm @35-50, 1% py disseminated and fracture fill
230	235	5	2	1	1	4	1	100	100	164480	230	235	5	4% qtz, 0.1-4 cm @35-50, 1% py disseminated and fracture fill
235	240	5	2	1	1	4	1	80	100	164481	235	240	5	4% qtz, 0.1-4 cm @35-50, 1% py disseminated and fracture fill
240	245	5	2	1	1	4	1	60	100	164482	240	245	5	4% qtz, 0.1-3 cm @35, weak stockwork/breccia vein texture developed, x-cutting vns, 1% pyo, 1% diss & fract fill py, 2% chl, fault gouge at 237.2-237.6
245	250	5	2	1	1	6	2	87	100	164483	245	250	5	6% qtz, 0.1-5 cm @20-30 deg to ca, 1% pyo, 1% diss & fract fill py
250	255	5	2	1	1	2	1	77	100	164484	250	255.4	5.4	2% qtz, 0.1-0.2 cm @38, 1% py disseminated and fracture fill, broken ground at 251-252.2
255	260	5	2	1	1	5	1	89	100	164485	255.4	260	4.6	5% qtz, 0.1-1.5 cm @35-45, 1% py disseminated and fracture fill
260	265	5	2	1	1	5	1	100	100	164486	260	264	4	5% qtz, 0.1-1.5 cm @35-45, 1% py disseminated and fracture fill
265	268	3	2	1	1	5	1	92	100	164487	264	268	4	5% qtz, 0.1-1.5 cm @35-50, 1% py disseminated and fracture fill, 268' EOH

Valentine Mountain Project Drill Core Log and Sample Record

Date/Target:	**November, 2010 / Discovery Zone cross structure**		**Pajari Test**		**Azimuth**		**Dip**		**Hole Number:**		**10-3**	
Location:	**UTM NAD83 Zone 10N 434579E 5374255N 824 m. elevation uncorrected**		**400 feet**		**263**		**-57**		**Collar Azimuth:**		**270**	
Total Length:	**400 feet = 121.92 metres**		**122 metres**		**263**		**-57**			**Collar Dip:**	**-60**	
Interval (m)	**Description**	**Rx**	**Sample No**	**From (ft)**	**From (m)**	**To (ft)**	**To (m)**	**Length (ft)**	**Length (m)**	**Au g/t**	**Ag g/t**	**As ppm**
0.73	Overburden		casing	0.00	0.00	2.40	0.73	2.40	0.73			
1.40	Metasandstone	2	164488	2.40	0.73	7.00	2.13	4.60	1.40	<0.001	0.2	2.3
1.58	Metasandstone	2	164489	7.00	2.13	12.20	3.72	5.20	1.58	0.001	0.15	3.4
1.62	Metasandstone	2	164490	12.20	3.72	17.50	5.33	5.30	1.62	0.002	0.09	6.1
1.55	Metasandstone	2	164491	17.50	5.33	22.60	6.89	5.10	1.55	<0.001	0.11	17.9
1.65	Metasandstone	2	164492	22.60	6.89	28.00	8.53	5.40	1.65	0.002	0.17	7
1.62	Quartz Vein	6	164493	28.00	8.53	33.30	10.15	5.30	1.62	0.001	0.09	2.1
1.43	Metasandstone	2	164494	33.30	10.15	38.00	11.58	4.70	1.43	0.002	0.08	4.2
0.85	Quartz Vein	6	164495	38.00	11.58	40.80	12.44	2.80	0.85	0.002	0.08	6.8
1.52	Metasandstone	2	164496	40.80	12.44	45.80	13.96	5.00	1.52	0.002	0.07	34.6
1.98	Metasandstone	2	164497	45.80	13.96	52.30	15.94	6.50	1.98	0.001	0.07	17.4
1.83	Metasandstone	2	164498	52.30	15.94	58.30	17.77	6.00	1.83	0.001	0.08	2.9
1.71	Metasandstone	6	164499	58.30	17.77	63.90	19.48	5.60	1.71	0.001	0.08	7.8
1.83	Metasandstone	2	164500	63.90	19.48	69.90	21.31	6.00	1.83	0.008	0.06	20.6
1.80	Metasandstone	2	164501	69.90	21.31	75.80	23.10	5.90	1.80	0.001	0.18	10.9
1.10	Metasandstone	2	164502	75.80	23.10	79.40	24.20	3.60	1.10	<0.001	0.65	38.3
0.55	Quartz Vein	6	164503	79.40	24.20	81.20	24.75	1.80	0.55	<0.001	0.18	26.5
1.62	Metasandstone	2	164504	81.20	24.75	86.50	26.37	5.30	1.62	0.001	0.05	4.4
1.58	Metasandstone	2	164505	86.50	26.37	91.70	27.95	5.20	1.58	<0.001	0.06	4
1.46	Metasandstone	2	164506	91.70	27.95	96.50	29.41	4.80	1.46	<0.001	0.06	3.8
5.03	Metasandstone	2		96.50	29.41	113.00	34.44	16.50	5.03			
0.37	Metasandstone	2	164507	113.00	34.44	114.20	34.81	1.20	0.37	0.001	0.1	22.7
6.64	Metasandstone	2		114.20	34.81	136.00	41.45	21.80	6.64			
1.77	Metasandstone	2	164508	136.00	41.45	141.80	43.22	5.80	1.77	0.014	0.06	12
1.86	Metasandstone	2	164509	141.80	43.22	147.90	45.08	6.10	1.86	0.003	0.06	9.5
4.45	Metapelite	1	164510	147.90	45.08	162.50	49.53	14.60	4.45	<0.001	0.58	4.9
0.91	Quartz Vein	6	164511	162.50	49.53	165.50	50.44	3.00	0.91	0.001	0.13	2.7
2.01	Metapelite	1	164512	165.50	50.44	172.10	52.46	6.60	2.01	0.001	0.07	3.8
0.43	Quartz Vein	6	164513	172.10	52.46	173.50	52.88	1.40	0.43	0.002	0.18	6.9
1.07	Metapelite	1	164514	173.50	52.88	177.00	53.95	3.50	1.07	0.001	0.26	2.9
1.58	Metapelite	1	164515	177.00	53.95	182.20	55.53	5.20	1.58	0.001	0.32	171.5
3.08	Metapelite	1	164516	182.20	55.53	192.30	58.61	10.10	3.08	0.002	0.22	129.5
1.49	Metapelite	1	164517	192.30	58.61	197.20	60.11	4.90	1.49	<0.001	0.2	1.4
0.85	Quartz Vein	6	164518	197.20	60.11	200.00	60.96	2.80	0.85	0.002	0.08	4
1.52	Metapelite	1	164519	200.00	60.96	205.00	62.48	5.00	1.52	0.006	0.11	3.6
1.22	Metapelite	1	164520	205.00	62.48	209.00	63.70	4.00	1.22	0.003	0.12	1.4
1.22	Metapelite	1	164521	209.00	63.70	213.00	64.92	4.00	1.22	0.002	0.08	3.4
1.22	Metapelite	1	164522	213.00	64.92	217.00	66.14	4.00	1.22	0.001	0.12	3.9
1.98	Metapelite	1	164523	217.00	66.14	223.50	68.12	6.50	1.98	0.003	0.12	8.4
1.01	Metapelite	1	164524	223.50	68.12	226.80	69.13	3.30	1.01	0.007	0.15	5.3
1.13	Metapelite	1	164525	226.80	69.13	230.50	70.26	3.70	1.13	0.002	0.16	3.1
1.37	Metapelite	1	164526	230.50	70.26	235.00	71.63	4.50	1.37	0.001	0.16	12.7
1.34	Metapelite	1	164527	235.00	71.63	239.40	72.97	4.40	1.34	<0.001	0.13	124.5
1.71	Metapelite	1	164528	239.40	72.97	245.00	74.68	5.60	1.71	0.003	0.19	219
2.99	Metapelite	1	164529	245.00	74.68	254.80	77.66	9.80	2.99	0.1	0.21	700
1.89	Metapelite	1	164530	254.80	77.66	261.00	79.55	6.20	1.89	0.001	0.14	19.6
1.83	Metapelite	1	164531	261.00	79.55	267.00	81.38	6.00	1.83	0.001	0.12	23.3
1.58	Metapelite	1	164532	267.00	81.38	272.20	82.97	5.20	1.58	0.003	0.16	7.4
1.58	Metapelite	1	164533	272.20	82.97	277.40	84.55	5.20	1.58	0.008	0.17	2.3
1.43	Metapelite	1	164534	277.40	84.55	282.10	85.98	4.70	1.43	0.001	0.12	9.1
1.55	Metapelite	1	164535	282.10	85.98	287.20	87.54	5.10	1.55	0.002	0.11	8.4
1.49	Metapelite	1	164536	287.20	87.54	292.10	89.03	4.90	1.49	0.001	0.1	1.8
1.62	Metapelite	1	164537	292.10	89.03	297.40	90.65	5.30	1.62	0.001	0.12	1.2
3.02	Metapelite	1	164538	297.40	90.65	307.30	93.67	9.90	3.02	0.001	0.1	3.4
1.40	Metapelite	1	164539	307.30	93.67	311.90	95.07	4.60	1.40	0.017	0.45	6.6
1.25	Metapelite	1	164540	311.90	95.07	316.00	96.32	4.10	1.25	0.004	0.13	1.7
1.22	Metapelite	1	164541	316.00	96.32	320.00	97.54	4.00	1.22	0.003	0.98	8.5
1.65	Metapelite	1	164542	320.00	97.54	325.40	99.18	5.40	1.65	0.002	0.14	5.4
1.65	Metapelite	1	164543	325.40	99.18	330.80	100.83	5.40	1.65	4.27	0.27	71.7
0.82	Metapelite	1	46328	325.40	99.18	328.10	100.00	2.70	0.82	<0.05		
0.82	Metapelite	1	46329	328.10	100.00	330.80	100.83	2.70	0.82	11.95		
1.28	Metapelite	1	164544	330.80	100.83	335.00	102.11	4.20	1.28	0.008	0.2	36.4
1.71	Metapelite	1	164545	335.00	102.11	340.60	103.81	5.60	1.71	0.005	0.2	29.2
0.79	Metapelite	1	164546	340.60	103.81	343.20	104.61	2.60	0.79	0.004	0.19	9.2
1.83	Metapelite	1	164547	343.20	104.61	349.20	106.44	6.00	1.83	0.002	0.1	5.3
1.62	Metapelite	1	164548	349.20	106.44	354.50	108.05	5.30	1.62	0.001	0.11	4.2
1.07	Metapelite	1	164549	354.50	108.05	358.00	109.12	3.50	1.07	0.004	0.1	5.6
1.37	Metapelite	1	164550	358.00	109.12	362.50	110.49	4.50	1.37	0.004	0.09	6
1.55	Metapelite	1	164551	362.50	110.49	367.60	112.04	5.10	1.55	0.002	0.1	2.3
5.03	Metapelite	1		367.60	112.04	384.10	117.07	16.50	5.03			
1.49	Metasandstone	2	164552	384.10	117.07	389.00	118.57	4.90	1.49	0.002	0.08	3.4
1.37	Metasandstone	2	164553	389.00	118.57	393.50	119.94	4.50	1.37	0.018	0.07	1.9
1.68	Metasandstone	2	164554	393.50	119.94	399.00	121.62	5.50	1.68	0.004	0.06	15.8
0.30	Quartz Vein	6	164555	399.00	121.62	400.00	121.92	1.00	0.30	0.002	0.05	1.1

VA10170273 - Finalized
CLIENT : "MILBAVE - Mill Bay Ventures"
# of SAMPLES : 148
DATE RECEIVED : 2010-11-16 DATE FINALIZED : 2010-12-07
PROJECT : "Valentine"
CERTIFICATE COMMENTS : "ME-MS41:Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g). "
PO NUMBER : " "

	Au-TL44	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	Au-OG44
SAMPLE	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr	Au
DESCRIPT	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
164488	<0.001	0.2	2.85	2.3	<0.2	<10	380	0.12	0.21	0.23	0.09	19.35	14.9	61	3.43	56.3	4.37	9.76	0.12	0.02	<0.01	0.043	1.61	9	29.6	1.5	382	1.17	0.1	0.31	36.6	910	2.2	68.5	0.002	0.37	0.06	11.4	0.7	1.1	18.7	<0.01	0.05	3.1	0.222	0.4	0.45	115	0.18	4.54	25	<0.5	
164489	0.001	0.15	2.45	3.4	<0.2	<10	420	0.14	0.1	0.29	0.09	11.45	14	52	2.63	26.5	3.38	10.1	0.11	0.02	<0.01	0.032	1.37	6.2	29	1.38	379	1.42	0.13	0.22	27.3	620	1.9	52.5	0.002	0.4	<0.05	10.3	0.5	0.9	32.4	<0.01	0.02	2.4	0.223	0.32	0.46	101	0.54	5.16	74	<0.5	
164490	0.002	0.09	2.39	6.1	<0.2	<10	390	0.16	0.1	0.57	0.09	11.1	11.4	40	2.83	21.7	3.05	9.49	0.1	0.02	<0.01	0.025	1.35	6	26.1	1.16	433	0.86	0.13	0.24	22	540	2.3	55.7	0.001	0.3	0.05	7.9	0.5	0.8	46.8	<0.01	0.02	2.8	0.225	0.33	0.63	77	0.21	5.28	70	<0.5	
164491	<0.001	0.11	2.3	17.9	<0.2	<10	380	0.14	0.23	0.26	0.09	12.95	14	46	3.31	34.5	3.63	9.12	0.09	0.02	0.01	0.022	1.5	6.3	24.6	1.16	432	2.87	0.09	0.28	29.6	550	2.8	62.8	0.003	0.59	0.1	7.6	0.7	0.6	21.2	<0.01	0.04	3.3	0.259	0.39	0.78	88	0.21	5.45	81	<0.5	
B-7	0.004	0.08	2.73	0.2	<0.2	<10	10	0.07	0.01	1.9	0.05	5.07	17.6	111	<0.05	259	4.49	7.01	0.12	0.2	0.01	0.011	0.02	2.1	0.6	1.03	334	0.22	0.4	0.18	36.9	410	0.2	0.4	0.001	0.04	0.15	4.8	0.5	0.3	35.7	<0.01	0.03	<0.2	0.25	<0.02	<0.05	148	<0.05	9.43	25	6.1	

VA10170274 - Finalized
CLIENT : "MILBAVE - Mill Bay Ventures"
# of SAMPLES : 146
DATE RECEIVED : 2010-11-16 DATE FINALIZED : 2010-12-10
PROJECT : "Valentine"
CERTIFICATE COMMENTS : "ME-MS41:Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g). "
PO NUMBER : " "

	Au-TL44	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	Au-OG44
SAMPLE	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr	Au
DESCRIPT	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
164492	0.002	0.17	2.06	7	<0.2	<10	320	0.11	0.16	0.59	0.13	9.81	13.8	46	2.59	34.1	3.39	7.82	0.08	0.02	<0.01	0.023	1.32	4.7	25	1.17	508	2.42	0.07	0.19	27.5	650	2.6	53.3	0.003	0.71	0.07	7.9	0.8	0.6	23.6	<0.01	0.03	2.8	0.23	0.35	0.78	85	0.21	5.19	83	0.5	
164493	0.001	0.09	2.45	2.1	<0.2	<10	410	0.13	0.07	0.86	0.12	10.7	14.6	54	2.39	30	3.41	9.57	0.1	0.02	<0.01	0.03	1.42	5.2	28.6	1.33	563	1.93	0.15	0.21	25.5	680	2.1	52.2	0.003	0.61	0.05	10.3	0.6	0.7	47.6	<0.01	0.02	1.9	0.25	0.32	0.56	104	0.25	6.23	75	0.5	
164494	0.002	0.08	2.17	4.2	<0.2	<10	370	0.1	0.06	0.66	0.09	8.65	14.2	51	2.1	25.9	3.29	9.03	0.11	0.02	<0.01	0.031	1.28	4.3	29.2	1.33	509	0.79	0.11	0.2	23.5	660	1.5	45.3	0.001	0.63	0.05	10.2	0.5	0.7	29.8	<0.01	0.02	1.8	0.226	0.28	0.3	99	0.29	5.15	70	<0.5	
164495	0.002	0.08	2.44	6.8	<0.2	<10	400	0.15	0.08	0.8	0.08	10.1	14.4	50	2.11	29.1	3.34	9.15	0.09	0.02	<0.01	0.026	1.29	5	33.1	1.33	505	0.93	0.13	0.2	24.6	660	2	48.1	0.001	0.64	0.05	8.9	0.4	0.6	51.4	<0.01	0.02	2	0.218	0.29	0.3	92	0.26	5.58	72	<0.5	
164496	0.002	0.07	2.21	34.6	<0.2	<10	390	0.11	0.09	0.85	0.07	9.61	14.5	49	2.1	27.5	3.29	8.93	0.1	0.02	<0.01	0.029	1.28	4.7	30.6	1.33	458	0.75	0.1	0.19	24.8	640	1.7	46.8	0.001	0.59	0.1	9.5	0.4	0.7	33.2	<0.01	0.02	2.1	0.21	0.28	0.32	92	0.19	5.23	71	<0.5	
164497	0.001	0.07	2.3	17.4	<0.2	<10	400	0.11	0.07	1.18	0.09	9.27	13.8	51	1.81	26.1	3.17	9.29	0.11	0.02	<0.01	0.032	1.28	4.6	25.9	1.4	505	0.68	0.16	0.22	23.2	680	2	43.3	0.001	0.63	0.12	10.6	0.4	0.7	45.3	<0.01	0.02	1.9	0.225	0.26	0.31	97	0.21	6.29	69	0.5	
164498	0.001	0.08	2.14	2.9	<0.2	<10	350	0.13	0.11	0.61	0.08	9.6	13.9	49	2.06	29.3	3.28	8.36	0.09	<0.02	<0.01	0.026	1.28	4.7	27.3	1.28	442	1.19	0.09	0.19	25.5	630	1.6	47.5	0.002	0.61	0.09	8.9	0.5	0.6	25.6	<0.01	0.02	2.2	0.215	0.29	0.34	92	0.28	4.98	72	<0.5	
164499	0.001	0.08	2.08	7.8	<0.2	<10	380	0.16	0.05	0.75	0.09	12.35	12	49	1.97	21.6	3.13	8.97	0.1	<0.02	<0.01	0.031	1.14	6.3	28.2	1.14	475	0.58	0.1	0.27	20.3	590	1.9	41.1	0.001	0.35	0.07	9.4	0.4	0.8	33	<0.01	0.01	2.5	0.195	0.24	0.39	89	0.39	5.74	65	<0.5	
164500	0.008	0.06	2.04	20.6	<0.2	<10	380	0.13	0.06	0.82	0.05	14.9	10.9	42	1.93	18	2.85	8.77	0.08	0.02	<0.01	0.029	1.15	7.7	26	1.08	475	0.49	0.11	0.27	18	540	1.4	41.5	<0.001	0.12	0.1	9.1	0.3	0.8	24.8	<0.01	0.01	3.3	0.21	0.24	0.46	80	0.59	6.46	59	0.5	
164501	0.001	0.18	2.34	10.9	<0.2	<10	340	0.17	0.13	0.63	0.11	13.55	14.5	43	2.26	31.6	3.32	8.95	0.09	0.02	<0.01	0.025	1.15	6.8	33.2	1.2	448	1.64	0.1	0.21	25.9	650	2.7	45.5	0.002	0.36	0.11	7.9	0.5	0.7	23.6	<0.01	0.02	3.5	0.185	0.29	0.55	84	0.31	5.04	75	<0.5	
164502	<0.001	0.65	2.35	38.3	<0.2	<10	180	0.3	0.21	0.97	0.25	19.9	16.8	38	1.59	47.9	4.09	8.35	0.07	0.02	<0.01	0.023	0.79	9.8	41	1.24	651	2.09	0.06	0.14	33.3	670	5	30.4	0.003	0.72	0.31	5.4	0.6	0.5	33.4	<0.01	0.03	4.1	0.091	0.2	0.8	70	0.34	5.6	88	<0.5	
164503	<0.001	0.18	2.38	26.5	<0.2	<10	280	0.2	0.09	0.89	0.12	12.1	13	46	2.15	30.8	3.04	8.57	0.09	<0.02	<0.01	0.024	1.04	6.2	27.6	1.19	485	1.58	0.13	0.23	21.9	580	2.3	45	0.002	0.6	0.1	9.4	0.6	0.5	75.4	<0.01	0.03	2.3	0.142	0.29	0.43	99	0.2	4.88	79	<0.5	
164504	0.001	0.05	2.43	4.4	<0.2	<10	460	0.14	0.07	0.45	0.04	16.2	10.4	39	2.2	16.4	2.8	9.16	0.09	0.02	<0.01	0.026	1.33	8.3	28.2	1.1	449	0.41	0.15	0.25	16.6	500	1.2	47.6	<0.001	0.11	0.08	8.4	0.3	0.8	33	<0.01	0.01	3.1	0.221	0.27	0.51	74	0.3	4.61	61	0.5	
164505	<0.001	0.06	2.21	4	<0.2	<10	450	0.1	0.09	0.44	0.04	14.5	10.8	40	2.37	20.8	2.98	9.26	0.1	0.02	<0.01	0.027	1.34	7.4	28.3	1.17	447	0.41	0.1	0.22	17.7	530	1.1	47.1	0.001	0.12	0.09	8.4	0.3	0.7	19	<0.01	0.01	3.1	0.228	0.29	0.53	76	0.29	4.83	63	<0.5	
164506	<0.001	0.06	2.4	3.8	<0.2	<10	450	0.13	0.09	0.29	0.04	18.7	10.8	40	2.92	17.5	3.04	9.52	0.09	0.02	<0.01	0.027	1.45	9.6	28.6	1.23	443	0.43	0.12	0.23	17.8	520	1.3	52	<0.001	0.08	0.12	8.1	0.3	0.7	22.2	<0.01	0.01	3.6	0.236	0.34	0.58	74	0.31	4.8	65	0.5	
164507	0.001	0.1	3.59	22.7	<0.2	<10	520	0.39	0.1	1.84	0.12	8.44	13.8	42	1.55	30.1	3.13	10.55	0.09	<0.02	<0.01	0.023	1.15	4.2	27	1.11	571	0.74	0.21	0.17	24.7	610	3.5	40.8	0.001	0.45	0.17	7.5	0.4	0.5	97.9	<0.01	0.02	1.7	0.192	0.27	0.35	82	0.19	5.57	72	<0.5	
164508	0.014	0.06	2.27	12	<0.2	<10	290	0.21	0.07	2.79	0.09	13.1	10.6	45	1.31	21.3	2.73	8.13	0.08	0.02	<0.01	0.028	0.85	6.7	26.9	1.09	503	0.42	0.13	0.16	18.1	540	6.2	26.5	<0.001	0.16	0.35	8.1	0.3	0.6	164.5	<0.01	0.01	2.8	0.14	0.16	0.43	77	0.22	6	61	<0.5	
164509	0.003	0.06	2.12	9.5	<0.2	<10	400	0.12	0.05	1.71	0.06	11.65	11.4	53	1.67	20.5	2.89	8.42	0.1	<0.02	<0.01	0.03	1.09	5.8	30.3	1.17	453	0.5	0.11	0.2	20	560	1.3	35.8	<0.001	0.21	0.14	9.3	0.3	0.7	112	<0.01	0.01	2.7	0.168	0.21	0.38	88	0.38	5.01	59	<0.5	
164510	<0.001	0.58	2.29	4.9	<0.2	<10	370	0.23	0.18	0.74	0.24	12.1	14.1	49	2.59	29.7	3.48	8.56	0.08	0.02	<0.01	0.026	1.2	6.1	25.8	1.06	558	2.3	0.14	0.19	24.4	510	3.7	47.1	0.002	0.68	0.12	8.5	0.5	0.6	35.1	<0.01	0.03	2.6	0.212	0.31	0.48	102	0.27	5.95	75	0.5	
164511	0.001	0.13	2.06	2.7	<0.2	<10	380	0.08	0.07	0.41	0.07	10.45	11.6	39	2.28	22	3.06	8.06	0.08	0.02	<0.01	0.023	1.33	5.2	27.9	1.17	443	0.85	0.08	0.22	20.8	490	1.7	49.2	0.001	0.27	0.05	7.2	0.4	0.6	15.9	<0.01	0.02	2.7	0.222	0.31	0.45	71	0.21	4.84	69	<0.5	
B-8	0.005	0.08	3.57	0.3	<0.2	<10	10	0.07	0.01	2.22	0.04	4.71	22.4	120	<0.05	236	4.28	7.28	0.12	0.18	<0.01	0.011	0.03	1.9	0.6	1.16	371	0.17	0.48	0.15	42.4	390	<0.2	0.2	0.001	0.03	<0.05	5	0.4	0.3	40.2	<0.01	0.04	<0.2	0.26	<0.02	<0.05	136	<0.05	8.7	28	6.6	
164512	0.001	0.07	2.31	3.8	<0.2	<10	490	0.09	0.07	0.48	0.05	8.13	12.1	49	2.39	23	3.05	9.46	0.11	<0.02	<0.01	0.032	1.38	4	30.6	1.24	500	0.6	0.11	0.23	21	550	1.1	46.6	0.001	0.18	<0.05	9.9	0.3	0.8	26.8	<0.01	0.02	1.7	0.239	0.28	0.27	93	0.28	4.37	67	<0.5	
164513	0.002	0.18	2.6	6.9	<0.2	<10	470	0.14	0.18	0.66	0.1	12	15.7	51	3	38.4	3.7	10	0.08	0.02	<0.01	0.028	1.58	6	33.6	1.31	545	1.01	0.14	0.23	29.3	660	1.9	61.7	0.002	0.6	0.06	9.5	0.6	0.6	61.8	<0.01	0.03	2.8	0.257	0.39	0.41	99	0.29	4.99	82	0.6	
164514	0.001	0.26	2.07	2.9	<0.2	<10	220	0.07	0.29	0.29	0.12	10.15	16.7	48	2.77	47.7	3.84	7.19	0.07	0.02	<0.01	0.02	1.38	5	27.6	1.11	405	1.69	0.07	0.21	33.2	620	1.5	56.4	0.003	0.88	0.06	6.5	0.6	0.5	12.8	<0.01	0.05	2.6	0.227	0.36	0.3	88	0.28	4.22	84	0.5	
164515	0.001	0.32	3.47	171.5	<0.2	<10	200	0.3	0.15	1.33	0.13	10.2	14.6	49	2.37	34.6	3.64	11.6	0.1	0.02	<0.01	0.03	1.4	5.1	33.4	1.28	622	1.28	0.25	0.2	24.7	620	2.7	55.1	0.002	0.77	0.1	9.3	0.7	0.7	90.1	<0.01	0.06	3	0.241	0.34	0.63	94	0.7	5.87	78	0.6	
164516	0.002	0.22	3.2	129.5	<0.2	<10	550	0.26	0.12	1.03	0.09	11.1	15.2	54	2.72	35.3	3.51	10.8	0.1	0.02	<0.01	0.029	1.38	5.5	36	1.19	507	0.79	0.21	0.21	27.7	650	2.1	54	0.001	0.45	0.07	9.9	0.6	0.7	68.5	<0.01	0.04	2.7	0.239	0.33	0.42	103	1.02	5.29	82	<0.5	
164517	<0.001	0.2	2.83	1.4	<0.2	<10	400	0.13	0.26	0.39	0.08	14.45	16.6	57	3.6	50.8	4.09	9.97	0.09	0.02	<0.01	0.025	1.67	7.1	42.6	1.39	433	1.85	0.1	0.27	34.5	650	1.7	67.9	0.002	0.59	<0.05	8.5	0.6	0.7	21.7	<0.01	0.04	4.2	0.245	0.42	0.6	100	0.56	4.51	94	0.5	
164518	0.002	0.08	3.02	4	<0.2	<10	530	0.15	0.06	0.53	0.05	11.75	14.7	61	4.19	20.6	3.65	11.55	0.12	<0.02	<0.01	0.033	1.64	5.9	47.2	1.46	511	0.81	0.14	0.22	27.6	510	1.9	67.5	0.001	0.13	<0.05	11.7	0.4	0.9	32.6	<0.01	0.01	2.7	0.246	0.42	0.33	111	0.2	4.16	82	<0.5	
164519	0.006	0.11	2.87	3.6	<0.2	<10	440	0.14	0.17	0.35	0.06	17.7	16.3	55	3.99	42.5	3.99	9.77	0.08	0.02	<0.01	0.028	1.64	8.7	45.8	1.31	542	0.73	0.09	0.25	36	640	2.2	71	0.001	0.24	<0.05	8.6	0.5	0.8	19.4	<0.01	0.03	4.8	0.231	0.42	0.52	100	0.32	5.43	97	<0.5	
164520	0.003	0.12	2.91	1.4	<0.2	<10	390	0.2	0.21	0.68	0.07	12.75	16.2	53	3.36	41.2	3.75	10.4	0.1	<0.02	<0.01	0.032	1.31	6.3	43	1.34	449	0.89	0.13	0.2	31.9	660	2.5	54.5	0.001	0.34	<0.05	9.6	0.5	0.7	47.2	<0.01	0.03	2.4	0.188	0.32	0.3	103	0.22	4.4	87	<0.5	
164521	0.002	0.08	2.51	3.4	<0.2	<10	390	0.15	0.1	0.77	0.06	13.05	14.3	55	2.34	27.2	3.31	9.69	0.1	0.02	<0.01	0.033	1.15	6.8	38.1	1.31	468	0.65	0.15	0.21	24.8	640	1.9	41.6	0.001	0.23	<0.05	10.4	0.4	0.8	45.2	<0.01	0.02	2.4	0.182	0.24	0.32	99	0.23	5.67	71	<0.5	
164522	0.001	0.12	2.58	3.9	<0.2	<10	440	0.14	0.1	0.9	0.07	10.85	13.7	57	2.59	27.3	3.29	9.95	0.1	<0.02	<0.01	0.033	1.23	5.4	38.7	1.31	434	0.6	0.13	0.24	23.9	640	1.8	46	0.001	0.34	<0.05	10.5	0.4	0.8	51.2	<0.01	0.03	2.2	0.187	0.26	0.29	100	0.22	4.83	70	<0.5	
164523	0.003	0.12	3	8.4	<0.2	<10	350	0.18	0.21	0.44	0.04	23	16.8	65	4.06	49.2	4.08	9.63	0.09	0.02	<0.01	0.034	1.44	11.2	42.8	1.47	379	1.15	0.09	0.25	41.3	840	2.3	69.6	0.001	0.28	0.05	9.5	0.5	0.8	27.6	<0.01	0.03	4.6	0.194	0.41	0.59	112	0.22	5.41	43	<0.5	
164524	0.007	0.15	2.84	5.3	<0.2	<10	370	0.15	0.16	0.42	0.05	18.85	17.4	63	4.65	49.1	4.16	9.65	0.1	0.02	<0.01	0.03	1.52	9.3	42.6	1.43	389	1.05	0.07	0.25	43	810	2.1	77.2	0.001	0.31	<0.05	8.8	0.5	0.8	36.4	<0.01	0.03	4.4	0.202	0.46	0.52	108	0.47	4.9	57	<0.5	
164525	0.002	0.16	3.1	3.1	<0.2	<10	440	0.22	0.12	0.97	0.06	12.45	14.5	50	3.37	32.8	3.41	10.55	0.1	0.02	<0.01	0.033	1.1	6.3	37.3	1.11	425	0.8	0.22	0.29	24.6	630	2.4	48.2	0.001	0.43	<0.05	10.3	0.6	0.9	75.7	<0.01	0.04	2.1	0.186	0.28	0.34	101	0.21	4.96	72	<0.5	
164526	0.001	0.16	3.37	12.7	<0.2	<10	450	0.17	0.27	0.27	0.06	18.7	23.1	92	5.29	61.1	4.81	10.95	0.12	0.02	<0.01	0.049	1.9	9.3	47.5	1.84	471	1.04	0.08	0.27	67.5	930	1.9	85.4	0.001	0.35	<0.05	14.2	0.7	1.1	11	<0.01	0.05	3.2	0.246	0.49	0.5	153	0.22	4.67	54	<0.5	
164527	<0.001	0.13	3.08	124.5	<0.2	<10	430	0.17	0.2	0.28	0.04	19.7	20	94	4.43	44.2	4.21	10	0.15	0.02	<0.01	0.048	1.68	9.6	38.4	1.62	407	1.02	0.1	0.33	57.5	790	2.4	79.6	0.001	0.23	<0.05	14.3	0.6	1.2	16.4	0.01	0.06	3.3	0.232	0.4	0.51	139	0.3	4.78	36	0.5	
164528	0.003	0.19	3.89	219	<0.2	<10	480	0.26	0.2	1.03	0.08	15.25	20	93	4.34	55.4	4.21	12.9	0.16	0.03	0.04	0.051	1.7	7.3	40.6	1.54	425	1.28	0.18	0.38	55	1180	2.9	82.8	0.001	0.41	<0.05	13.3	0.8	1.3	67.6	0.01	0.08	3.7	0.216	0.42	0.68	138	24.3	6.32	98	0.6	
164529	0.007	0.21	2.99	700	<0.2	<10	440	0.14	0.34	0.31	0.07	17.3	19	83	4.31	58.5	4.28	10.4	0.14	0.03	<0.01	0.05	1.62	8.5	37.2	1.49	403	1.3	0.13	0.36	46.9	800	2.2	78.6	0.001	0.4	0.14	14.7	0.9	1.2	22.2	0.01	0.15	3	0.217	0.39	0.84	142	1.54	4.95	52	0.6	
164530	0.001	0.14	2.67	19.6	<0.2	<10	380	0.1	0.16	0.36	0.04	14.65	17.4	93	3.83	43.6	3.88	7.91	0.13	0.02	<0.01	0.043	1.47	7	27.6	1.42	379	1.76	0.08	0.31	53.1	850	2	70.3	0.001	0.31	<0.05	12.8	0.6	1	12.5	<0.01	0.05	2.4	0.204	0.36	0.6	130	1.4	4.16	21	0.5	
164531	0.001	0.12	3.03	23.3	<0.2	<10	470	0.17	0.16	0.29	0.04	20.3	18.4	100	4.04	50.4	4.19	9.58	0.13	0.03	<0.01	0.047	1.55	9.8	32.7	1.6	417	0.74	0.1	0.31	55.1	830	2.3	73.6	0.001	0.25	<0.05	12.9	0.6	1.1	14.2	0.01	0.05	3.1	0.214	0.37	0.49	133	0.27	4.6	40	0.6	
B-9	0.005	0.08	3.94	1.4	<0.2	<10	10	0.06	0.01	2.2	0.06	3.99	23.9	119	<0.05	278	4.09	7.21	0.09	0.14	<0.01	0.008	0.02	1.6	0.8	1.37	362	0.19	0.38	0.11	81.6	370	0.2	0.5	0.001	0.07	<0.05	3	0.6	0.2	39.4	<0.01	0.04	<0.2	0.189	<0.02	<0.05	120	<0.05	7.08	33	4.3	
164532	0.003	0.16	3.5	7.4	<0.2	<10	510	0.15	0.21	0.31	0.04	21.1	22.7	115	6.14	54.1	4.95	11.9	0.18	0.03	<0.01	0.055	1.76	10.2	42.6	1.9	466	0.94	0.11	0.41	67.8	1000	2.5	92.3	0.001	0.34	<0.05	15.8	0.7	1.3	16.4	0.01	0.06	3.8	0.257	0.52	1.43	161	0.23	6.26	52	0.7	
164533	0.008	0.17	3.2	2.3	<0.2	<10	560	0.15	0.2	0.57	0.05	16.9	17.7	106	6.63	52.6	4.45	11.25	0.16	0.03	<0.01	0.049	1.72	7.9	37.7	1.62	377	0.83	0.11	0.39	54.8	1480	2.5	91.4	0.001	0.38	<0.05	14.4	0.8	1.2	22.3	0.01	0.06	3.1	0.233	0.52	0.5	158	0.31	7.11	72	0.6	
164534	0.001	0.12	2.95	9.1	<0.2	<10	490	0.14	0.15	0.26	0.04	21.5	17.5	86	4.63	47.6	4.03	9.13	0.14	0.03	<0.01	0.046	1.64	10.5	35	1.54	366	1.01	0.1	0.32	50.5	760	2.2	80.4	0.001	0.24	<0.05	12.5	0.7	1.1	13.8	0.01	0.04	3.3	0.227	0.41	0.54	133	0.19	4.78	27	0.6	
164535	0.002	0.11	2.64	8.4	<0.2	<10	460	0.08	0.13	0.31	0.04	12.55	15.7	78	3.6	38.5	3.66	9.59	0.15	0.02	<0.01	0.044	1.22	6	35.6	1.45	350	0.91	0.08	0.29	34.7	730	1.6	58.7	0.001	0.17	<0.05	14.1	0.5	1	10.2	<0.01	0.04	2.1	0.186	0.31	0.36	132	0.18	4.49	56	<0.5	
164536	0.001	0.1	2.9	1.8	<0.2	<10	490	0.12	0.12	0.32	0.04	18.05	15.4	87	4.16	34.3	3.88	10.4	0.15	0.02	<0.01	0.047	1.43	8.9	33.6	1.54	377	0.7	0.13	0.33	36.4	730	1.6	67.7	0.001	0.16	<0.05	15.2	0.5	1.1	16.4	0.01	0.03	2.7	0.222	0.36	0.44	145	1.65	4.78	60	0.5	
164537	0.001	0.12	2.62	1.2	<0.2	<10	390	0.09	0.11	0.31	0.04	15.95	16.1	69	4.72	31.5	3.8	9.61	0.13	0.02	<0.01	0.035	1.44	7.7	35.9	1.38	400	0.58	0.06	0.29	41.3	750	1.8	75.3	<0.001	0.27	<0.05	9.6	0.6	0.9	10.3	<0.01	0.04	2.8	0.199	0.42	0.38	107	0.23	4.11	44	<0.5	
164538	0.001	0.1	2.23	3.4	<0.2	<10	420	0.13	0.05	0.43	0.06	14.2	11.1	46	3.6	17.9	2.89	8.6	0.1	0.02	<0.01	0.025	1.17	7	31.8	0.97	404	0.56	0.14	0.28	20.3	550	1.8	56.1	<0.001	0.19	<0.05	8	0.4	0.7	23.6	<0.01	0.02	2.5	0.191	0.31	0.41	76	2.35	4.38	67	<0.5	
164539	0.017	0.45	1.74	6.6	<0.2	<10	160	0.23	0.06	0.81	0.17	16	9.9	30	2.19	19.7	2.62	6.18	0.08	0.02	<0.01	0.014	0.7	8.1	23.9	0.83	411	0.52	0.06	0.17	18.2	510	3.4	34.1	0.001	0.16	0.08	4.2	0.4	0.4	27.6	<0.01	0.02	2.9	0.108	0.21	0.37	47	0.41	4.71	64	0.6	
164540	0.004	0.13	1.79	1.7	<0.2	<10	190	0.2	0.04	1.01	0.09	20.7	10.3	40	1.79	13.4	2.75	7.87	0.09	0.02	<0.01	0.023	0.65	10.4	31.4	0.94	470	0.38	0.07	0.15	17.4	520	3.7	27.8	<0.001	0.07	0.09	6.6	0.3	0.8	38.2	<0.01	0.02	3.4	0.103	0.16	0.42	66	0.43	6.12	62	<0.5	
164541	0.003	0.98	1.84	8.5	<0.2	<10	130	0.43	0.07	0.94	0.2	21.3	12.8	26	1.41	25.3	3.06	6.53	0.1	0.02	0.01	0.017	0.49	10.7	35.5	0.91	410	0.55	0.04	0.12	23.2	620	6.2	21.6	0.001	0.19	0.32	3.9	0.4	0.8	24.8	<0.01	0.02	3.2	0.057	0.14	0.57	43	6.29	6.36	74	<0.5	
164542	0.002	0.14	2	5.4	<0.2	<10	190	0.31	0.12	1.07	0.1	18.85	12.9	33	2.4	27	3.27	7.55	0.09	0.02	<0.01	0.019	0.82	9.4	30.8	1.02	520	0.79	0.05	0.16	24.9	640	5	38.5	0.001	0.38	0.41	5.1	0.5	0.6	28.2	<0.01	0.03	3.5	0.119	0.24	0.53	58	0.35	6.15	78	<0.5	
164543	0.962	0.27	2.62	71.7	0.7	<10	300	0.34	0.14	1.41	0.15	10.65	12.3	38	2.49	25	3.06	8.88	0.09	0.02	0.02	0.02	0.88	5.3	24.9	0.93	472	3	0.12	0.24	22.9	560	3.1	43.2	0.002	0.5	0.11	6.2	0.6	0.6	110	<0.01	0.04	2.3	0.142	0.26	0.36	69	16.85	4.83	68	<0.5	
164544	0.008	0.2	3.23	36.4	<0.2	<10	400	0.24	0.23	1.1	0.07	14.45	18.5	79	3.13	43.8	4.38	11.9	0.14	0.02	<0.01	0.041	1.38	7	38.7	1.51	602	1.04	0.1	0.3	49.8	870	5.1	67.5	0.001	0.37	0.1	10.6	0.6	0.9	50.7	0.01	0.06	3.2	0.206	0.38	0.54	131	0.74	5.74	104	<0.5	
164545	0.005	0.2	3.14	29.2	<0.2	<10	310	0.23	0.2	0.51	0.08	18.5	17.2	81	3.55	57.3	4.44	9.6	0.13	0.03	<0.01	0.041	1.4	8.9	41.2	1.62	496	0.72	0.06	0.3	52	1160	5.7	68.3	0.001	0.28	0.11	10.6	0.6	1	34.7	0.01	0.05	2.9	0.193	0.36	0.57	122	0.31	5.13	41	0.6	
164546	0.004	0.19	2.9	9.2	<0.2	<10	340	0.15	0.18	0.43	0.07	18.7	15	77	3.59	52.2	4.12	9.15	0.12	0.03	<0.01	0.04	1.45	9.1	34	1.45	488	0.66	0.07	0.34	43.5	790	3.6	70.6	0.001	0.22	0.06	10.2	0.6	1	28.4	0.01	0.06	3.3	0.205	0.37	0.51	122	0.24	4.1	36	0.8	
164547	0.002	0.1	2.04	5.3	<0.2	<10	400	0.09	0.07	0.5	0.05	8.73	12.3	51	2.34	24.3	2.95	9	0.11	0.02	<0.01	0.03	1.04	4.3	29.2	1.15	376	0.44	0.09	0.27	22.6	560	1.9	43	0.001	0.13	<0.05	9.9	0.3	0.8	25.2	<0.01	0.02	1.7	0.174	0.23	0.28	96	0.24	4.51	60	<0.5	
164548	0.001	0.11	2.34	4.2	<0.2	<10	480	0.1	0.11	0.41	0.06	9.58	12.8	50	2.47	26.1	3.25	9.07	0.11	0.02	<0.01	0.026	1.32	4.7	30.1	1.14	405	0.49	0.1	0.26	24.7	570	1.8	55.1	<0.001	0.28	<0.05	8.5	0.4	0.8	27.6	<0.01	0.03	2.4	0.221	0.29	0.3	92	0.28	4.36	75	<0.5	
164549	0.004	0.1	2.72	5.6	<0.2	<10	660	0.14	0.07	0.7	0.07	10.8	14.4	59	2.9	35.9	3.53	11.05	0.13	0.02	<0.01	0.032	1.44	5.3	33.6	1.14	518	0.6	0.14	0.3	26.5	650	1.7	62.7	0.001	0.32	<0.05	11	0.6	0.9	77	<0.01	0.05	2.2	0.267	0.32	0.35	110	0.31	5.53	77	<0.5	
164550	0.004	0.09	2.74	6	<0.2	<10	540	0.15	0.04	0.96	0.06	8.69	15	58	2.83	31	3.54	11.05	0.13	0.02	<0.01	0.031	1.41	4.3	36.1	1.32	531	0.65	0.12	0.39	25.4	850	2.3	59.6	0.001	0.28	0.05	11.2	0.6	0.8	66.8	0.01	0.03	1.4	0.25	0.32	0.27	103	0.27	6.01	84	<0.5	
164551	0.002	0.1	2.72	2.3	<0.2	<10	530	0.13	0.11	0.6	0.08	11.75	14.6	55	3.3	35.2	3.67	11.6	0.13	0.02	<0.01	0.033	1.5	5.7	36.3	1.28	495	0.56	0.13	0.31	27.4	600	1.8	63.2	0.001	0.33	0.05	10.7	0.5	0.8	41.5	<0.01	0.03	2.1	0.258	0.36	0.33	107	0.26	4.84	88	<0.5	
B-10	0.003	0.07	4.65	0.2	<0.2	<10	10	0.08	0.01	2.56	0.04	3.99	22	115	<0.05	284	3.64	7.49	0.08	0.11	<0.01	0.008	0.02	1.7	0.8	1.44	376	0.2	0.47	0.11	69.9	340	0.5	0.3	0.001	0.04	<0.05	3.1	0.3	0.2	46.1	<0.01	0.04	<0.2	0.179	<0.02	<0.05	97	<0.05	6.6	31	3.7	
164552	0.002	0.08	2.13	3.4	<0.2	<10	400	0.09	0.05	0.72	0.05	7.51	11.3	52	1.37	18.4	2.87	8.86	0.13	0.02	<0.01	0.028	1.24	3.8	29.9	1.13	454	0.37	0.12	0.29	19.8	540	1.2	43.3	<0.001	0.18	0.06	9.6	0.3	0.9	22.1	<0.01	0.01	1.7	0.218	0.23	0.25	91	0.23	5.01	62	<0.5	
164553	0.018	0.07	2.46	1.9	<0.2	<10	500	0.13	0.02	0.66	0.04	10.1	13	60	1.56	23.5	3.25	10.5	0.14	0.02	<0.01	0.034	1.41	5	39.3	1.17	475	1.84	0.14	0.32	23.1	580	1.3	48.9	0.001	0.13	0.05	10.7	0.4	1.1	23.1	0.01	0.01	2	0.266	0.28	0.32	106	0.52	5.65	72	<0.5	
164554	0.004	0.06	2.08	15.8	<0.2	<10	360	0.09	0.03	0.89	0.06	7.57	13.2	55	1.3	27.1	3.01	9.23	0.11	0.02	<0.01	0.031	1.15	3.7	41.9	1.26	408	0.47	0.1	0.23	22.8	690	1	37.4	0.001	0.11	0.05	10	0.4	0.8	24.3	<0.01	0.01	1.6	0.206	0.23	0.27	108	2.39	5.79	67	0.5	
164555	0.002	0.05	2.44	1.1	<0.2	<10	330	0.13	0.01	1.21	0.06	5.98	12.7	49	1.3	8.4	2.89	10.45	0.11	0.02	0.02	0.031	1.21	2.9	39.1	1.28	429	0.41	0.14	0.15	20.7	730	1.1	35.8	<0.001	0.01	0.05	9.9	0.2	0.8	24.9	<0.01	0.02	1.1	0.176	0.24	0.18	104	11.95	4.83	68	<0.5	

VA10190104 - Finalized
CLIENT : "MILBAVE - Mill Bay Ventures"
# of SAMPLES : 6
DATE RECEIVED : 2010-12-14 DATE FINALIZED : 2010-12-20
PROJECT : "Valentine"
CERTIFICATE COMMENTS : ""
PO NUMBER : "Additional Analysis"

	Au-SCR24	Au-SCR24	Au-SCR24	Au-SCR24	Au-SCR24	Au-SCR24	Au-AA26	Au-AA26D
SAMPLE	Au Total (+)(-) Combined	Au (+) Fraction	Au (-) Fraction	Au (+) mg	WT. + Frac Entire	WT. - Frac Entire	Au	Au
DESCRIPTION	ppm	ppm	ppm	mg	g	g	ppm	ppm
164543	4.27	32.2	3.63	0.747	23.21	1014.5	3.66	3.6

VA11001982 - Finalized
CLIENT : "MILBAVE - Mill Bay Ventures"
# of SAMPLES : 15
DATE RECEIVED : 2011-01-04 DATE FINALIZED : 2011-01-10
PROJECT : "Valentine"
CERTIFICATE COMMENTS : ""
PO NUMBER : " "

	Au-SCR24	Au-SCR24	Au-SCR24	Au-SCR24	Au-SCR24	Au-SCR24	Au-AA26	Au-AA26D
SAMPLE	Au Total (+)(-) Combined	Au (+) Fraction	Au (-) Fraction	Au (+) mg	WT. + Frac Entire	WT. - Frac Entire	Au	Au
164529	0.1	0.15	0.1	0.008	53.16	1051	0.12	0.08

VA11003890 - Finalized
CLIENT : "MILBAVE - Mill Bay Ventures"
# of SAMPLES : 12
DATE RECEIVED : 2011-01-11 DATE FINALIZED : 2011-01-14
PROJECT : "Valentine"
CERTIFICATE COMMENTS : ""
PO NUMBER : " "

	Au-SCR24	Au-SCR24	Au-SCR24	Au-SCR24	Au-SCR24	Au-SCR24	Au-AA26	Au-AA26D
SAMPLE	Au Total (+)(-) Combined	Au (+) Fraction	Au (-) Fraction	Au (+) mg	WT. + Frac Entire	WT. - Frac Entire	Au	Au
DESCRIPTION	ppm	ppm	ppm	mg	g	g	ppm	ppm
46328	<0.05	<0.05	<0.05	<0.001	35.54	433.9	0.04	0.02
46329	11.95	74.6	9.41	1.539	20.63	511.1	8.82	10

Valentine Mountain Project Drill Core Log and Sample Record

Date/Target:	**November, 2010 / Discovery Zone cross structure**							**Acid Tests:**	**Hole Number:**		**10-3**		
Location:	**UTM NAD83 Zone 10N 434579E 5374255N 824 m. elevation uncorrected**							**none**	**Collar Azimuth:**		**270**		
Total Length:	**400 feet = 121.92 metres**								**Collar Dip:**		**-60**		
FROM ft	**TO ft**	**WIDTH ft**	**Lithology**	**% Chlorite**	**% Carbonate**	**% Qtz vns**	**% sulphide**	**RQD (% >10 cm)**	**Recovery**	**Sample No**	**FROM ft**	**TO ft**	**WIDTH ft**	**Description**
2	5	3	2	2	1	6	2	95	100	164488	2.4	7	4.6	6% qtz, 0.1-3 cm @ 45 degrees to ca, 1% py fract fill and diss, 1% chl, 0-2.4' casing, 2.4'-155.3' Unit 2 gneiss (metasandstone)
5	10	5	2	2	1	4	1	78	95	164489	7	12.2	5.2	4% qtz 0.1-1 @ 30-40 degrees to ca, tr. lim fract fill
10	15	5	2	2	1	4	1	52	100	164490	12.2	17.5	5.3	4% qtz 0.1-1 @ 30-40 degrees to ca, tr. lim fract fill
15	20	5	2	1	1	3	1	84	100	164491	17.5	22.6	5.1	3% qtz, 0.1-0.5 cm, @55 degrees to ca, 1% py fract fill and diss
20	25	5	2	2	1	3	1	100	100	164492	22.6	28	5.4	3% qtz, 0.1-0.5 cm, @55 degrees to ca, 1% py fract fill and diss
25	30	5	2	2	2	10	3	69	100	164493	28	33.3	5.3	10% qtz, 0.1-4.5 cm @ 60-80 degrees to ca
30	35	5	2	2	1	6	2	100	100	164494	33.3	38	4.7	6% qtz 0.1-1 cm @ 50-80 degrees to ca
35	40	5	2	2	2	10	3	89	95	164495	38	40.8	2.8	15% qtz 0.1-5 cm @ 10-85 degrees to ca, 3% fract fill py, broken grd wk fault 40.6
40	45	5	2	1	1	3	1	90	100	164496	40.8	45.8	5	3% qtz 0.1-0.8 cm @ 55-75 degrees to ca, 1% py
45	50	5	2	1	1	3	1	100	90	164497	45.8	52.3	6.5	3% qtz 0.1-0.8 cm @ 55-75 degrees to ca, 1% py
50	55	5	2	1	1	3	1	100	100	164498	52.3	58.3	6	3% qtz 0.1-0.5 @ 20-40 degrees to ca
55	60	5	2	1	2	8	2	96	90	164499	58.3	63.9	5.6	12% qtz 0.1-4 cm wk ribbon text developed @ 60-85 broken at 63.5-63.7
60	65	5	2	1	1	5	1	60	100	164500	63.9	69.9	6	3% qtz 0.1-1cm @38-45 degrees to ca
65	70	5	2	1	1	3	1	90	100	164501	69.9	75.8	5.9	2% qtz, broken ground, fault zone 71.8'-74.2
70	75	5	2	1	1	3	1	50	100	164502	75.8	79.4	3.6	3% qtz, 1% diss py pyo
75	80	5	2	2	2	8	2	45	90	164503	79.4	81.2	1.8	18% qtz 0.1-5 cm @10-30 degrees to ca, 5% py, broken grd, fault zone 78'-80', blue micaceous texture mineral (dumortierite?)
80	85	5	2	1	1	3	1	90	100	164504	81.2	86.5	5.3	3% qtz 0.1-1 cm @40-65 degrees to ca, 1% disseminated & fracture fill py
85	90	5	2	1	1	3	1	90	95	164505	86.5	91.7	5.2	3% qtz 0.1-3 cm @40-65 degrees to ca, 1% disseminated & fracture fill py
90	95	5	2	1	1	3	1	80	100	164506	91.7	96.5	4.8	3% qtz 0.1-3 cm @40-65 degrees to ca, 1% disseminated & fracture fill py
95	100	5	2	1	1	1	1	83	95					
100	105	5	2	1	1	1	1	55	100					
105	110	5	2	1	1	4	2	99	100	164507	113	114.2	1.2	8% qtz, 0.1-4 cm @38-50 deg to ca, 2% py pyo
110	115	5	2	1	1	1	1	84	100					
115	120	5	2	1	1	1	1	74	100					
120	125	5	2	1	1	1	1	100	100					
125	130	5	2	1	1	1	1	100	100					
130	135	5	2	1	1	1	1	98	100					
135	140	5	2	1	1	7	2	100	100	164508	136	141.8	5.8	7% qtz, 10-35 & 85-75 degrees to ca, 1-3 cm, 1% disseminated & fracture fill py
140	145	5	2	1	1	7	2	95	100	164509	141.8	147.9	6.1	7% qtz, 10-35 & 85-75 degrees to ca, 1-3 cm, 1% disseminated & fracture fill py
145	150	5	2	4	1	3	2	89	100	164510	147.9	162.5	14.6	broken fault zone 158-161 (10% recovery), 3% qtz 0.1-0.2 cm @ 45 degrees to ca, 155.3-361'Unit 1 black biotite schist (metapelite)
150	155	5	2	1	1	1	1	90	100					
155	160	5	1 + 2	1	1	6	2	50	90	164511	162.5	165.5	3	10% qtz, 0.1-4 cm @ 40-50 deg to ca, 2% chl, 1% py pyo
160	165	5	1	1	1	3	2	82	100	164512	165.5	172.1	6.6	3% qtz 0.1-1.5 cm @48 & 82 degrees to ca, 1% disseminated & fracture fill py
165	170	5	1	1	1	8	2	100	95	164513	172.1	173.5	1.4	13% qtz 0.1-5 cm @65 & 30 degrees to ca, trace arsenopyrite, 1% disseminated & fracture fill py
170	175	5	1	1	1	6	2	92	100	164514	173.5	177	3.5	6% qtz 0.1-2.5 cm @10 & 82 degrees to ca, 1% disseminated & fracture fill py
175	180	5	1	1	1	5	2	84	95	164515	177	182.2	5.2	5% qtz 0.1-3.5 cm @10 & 85 degrees to ca, 1% disseminated & fracture fill py
180	185	5	1	1	1	3	1	100	100	164516	182.2	192.3	10.1	3% qtz 0.1-1 cm @40-50 & 10 degrees to ca, 1% disseminated & fracture fill py
185	190	5	1	1	1	1	1	100	100					
190	195	5	1	1	1	3	1	92	100	164517	192.3	197.2	4.9	3% qtz 0.1-1 cm @40-50 & 10 degrees to ca, 1% disseminated & fracture fill py
195	200	5	1	1	1	8	2	100	100	164518	197.2	200	2.8	15% qtz 0.1-3.5 cm @80 degrees to ca, 1% disseminated & fracture fill py
200	205	5	1	1	1	3	1	85	100	164519	200	205	5	3% qtz 0.1-1 cm @ 35 &70 degrees to ca, 1% disseminated & fracture fill py
205	210	5	1	1	1	2	1	82	100	164520	205	209	4	2% qtz @ 30 & 75 degrees to ca, broken 205.8-206.2, 1% disseminated & fracture fill py
210	215	5	1	1	1	3	1	95	100	164521	209	213	4	3% qtz 0.1-2 cm @ 25 & 85 degrees to ca, 1% disseminated & fracture fill py
215	220	5	1	1	1	3	1	100	95	164522	213	217	4	3% qtz 0.1-2 cm @ 25 & 85 degrees to ca, 1% disseminated & fracture fill py
220	225	5	1	1	1	3	1	60	90	164523	217	223.5	6.5	3% qtz 0.1-2 cm @ 25 & 85 degrees to ca, 1% disseminated & fracture fill py
225	230	5	1	1	1	3	1	100	95	164524	223.5	226.8	3.3	3% qtz 0.1 cm @ 20-85 degrees to ca, 1% disseminated & fracture fill py
230	235	5	1	1	1	6	2	100	100	164525	226.8	230.5	3.7	9% qtz 0.1-5 cm @ 25 & 80 degrees to ca, 1% disseminated & fracture fill py
235	240	5	1	1	1	3	1	95	100	164526	230.5	235	4.5	3% qtz 0.1-0.5 cm @ 30 & 60 degrees to ca, 1% disseminated & fracture fill py
240	245	5	1	1	1	3	1	100	90	164527	235	239.4	4.4	3% qtz 0.1-0.5 cm @ 30 & 60 degrees to ca, 1% disseminated & fracture fill py
245	250	5	1	1	1	3	1	100	100	164528	239.4	245	5.6	3% qtz 0.1-0.5 cm @ 30 & 60 degrees to ca, 1% disseminated & fracture fill py
250	255	5	1	1	1	3	1	93	100	164529	245	254.8	9.8	3% qtz 0.1-0.5 cm @ 30 & 60 degrees to ca, 1% disseminated & fracture fill py
255	260	5	1	1	1	3	1	100	100	164530	254.8	261	6.2	3% qtz 0.1-0.5 cm @ 30 & 60 degrees to ca, 1% disseminated & fracture fill py
260	265	5	1	1	1	3	1	100	100	164531	261	267	6	3% qtz 0.1-0.5 cm @ 25 & 78 degrees to ca, 1% disseminated & fracture fill py
265	270	5	1	1	1	3	1	100	100	164532	267	272.2	5.2	3% qtz 0.1-0.5 cm @ 25 & 78 degrees to ca, 1% disseminated & fracture fill py
270	275	5	1	1	1	5	2	100	100	164533	272.2	277.4	5.2	5% qtz 0.1-4 cm @ 40 & 88 degrees to ca, 1% disseminated & fracture fill py
275	280	5	1	1	1	5	2	100	100	164534	277.4	282.1	4.7	5% qtz 0.1-4 cm @ 40 & 88 degrees to ca, 1% disseminated & fracture fill py
280	285	5	1	1	1	2	1	100	100	164535	282.1	287.2	5.1	2% qtz 0.1 cm @ 30 degrees to ca, 1% disseminated & fracture fill py
285	290	5	1	1	1	2	1	100	100	164536	287.2	292.1	4.9	2% qtz 0.1 cm @ 30 degrees to ca, 1% disseminated & fracture fill py
290	295	5	1	1	1	2	1	100	100	164537	292.1	297.4	5.3	2% qtz 0.1 cm @ 30 degrees to ca, 1% disseminated & fracture fill py
295	300	5	1	1	1	2	1	100	100	164538	297.4	307.3	9.9	2% qtz 0.1 cm @ 30 degrees to ca, 1% disseminated & fracture fill py
300	305	5	1	1	1	1	1	100	100					
305	310	5	3	1	1	1	2	31	90	164539	307.3	311.9	4.6	fault zone. Poor recovery
310	315	5	3	1	2	1	2	9	90	164540	311.9	316	4.1	fault zone. Poor recovery
315	320	5	3	1	2	1	2	0	90	164541	316	320	4	fault zone. Poor recovery
320	325	5	1	1	1	3	1	92	95	164542	320	325.4	5.4	3% qtz 0.1-0.5 @ 45 degrees to ca, 1% disseminated & fracture fill py
325	330	5	1	1	1	3	1	60	90	164543	325.4	330.8	5.4	3% qtz 0.1-0.5 @ 45 degrees to ca, 1% disseminated & fracture fill py
330	335	5	1	1	1	4	1	90	95	164544	330.8	335	4.2	4% qtz 0.1-2 cm @ 5 & 75 degrees to ca, 1% disseminated & fracture fill py
335	340	5	1	1	1	4	1	50	95	164545	335	340.6	5.6	4% qtz 0.1-2 cm @ 5 & 75 degrees to ca, 1% disseminated & fracture fill py
340	345	5	1	1	1	6	2	70	100	164546	340.6	343.2	2.6	6% qtz 0.1-2 cm @ 38 & 60 degrees to ca, 1% disseminated & fracture fill py
345	350	5	1	1	1	6	1	90	100	164547	343.2	349.2	6	6% qtz 0.1-2 cm @ 10 & 48 degrees to ca, 1% disseminated & fracture fill py
350	355	5	1	1	1	2	1	95	100	164548	349.2	354.5	5.3	2% qtz 0.1-2 cm @ 10 & 48 degrees to ca, 1% disseminated & fracture fill py
355	360	5	1	1	1	5	2	95	95	164549	354.5	358	3.5	5% qtz 0.1-2 cm @ 10 & 48 degrees to ca, 1% disseminated & fracture fill py
360	365	5	1 + 2	1	1	8	2	87	100	164550	358	362.5	4.5	8% qtz 0.1-3 cm, 361'-362.3' Unit 2 gneiss (metasandstone), 362.3'-384.1' Unit 1 black biotite schist (metapelite)
365	370	5	1	1	1	4	1	95	95	164551	362.5	367.6	5.1	4% qtz 0.1-2 cm @ 10 & 48 degrees to ca, 1% disseminated & fracture fill py
370	375	5	1	1	1	1	1	100	100					
375	380	5	1	1	1	1	1	100	100					
380	385	5	1 + 2	1	1	4	1	100	100	164552	384.1	389	4.9	5% qtz, 38 & 78 degrees to ca, 1% disseminated & fracture fill py, 384.1'-400' Unit 2 gneiss (metasandstone)
385	390	5	2	1	1	5	1	100	100	164553	389	393.5	4.5	5% qtz, 38 & 78 degrees to ca, 1% disseminated & fracture fill py
390	395	5	2	1	1	5	1	100	100	164554	393.5	399	5.5	5% qtz, 38 & 78 degrees to ca,1% disseminated & fracture fill py
395	400	5	2	1	2	7	3	100	100	164555	399	400	1	15% qtz @ 10 degrees to ca, 3% disseminated & fracture fill py

Valentine Mountain Project Drill Core Log and Sample Record

Date/Target:	**November, 2010 / Discovery Zone southeast extension**		**Pajari Test**	**Azimuth**	**Dip**	**Hole Number:**		**10-4**	
Location:	**UTM NAD83 Zone 10N 434561E 5374215N 826 m. elevation uncorrected**		**720 feet**	**353**	**-45**	**Collar Azimuth:**		**3**	
Total Length:	**720 feet = 219.46 metres**		**219.46 metres**	**353**	**-45**		**Collar Dip:**	**-60**	
Interval (m)	**Description**	**Rx**	**Sample No**	**From (m)**	**To (m)**	**Length (m)**	**Au g/t**	**Ag g/t**	**As ppm**
2.83	Overburden	casing		0.00	2.83	2.83			
0.91	Metasandsone	2	164556	2.83	3.75	0.91	0.001	0.15	7.5
0.88	Quartz Vein	6	164557	3.75	4.63	0.88	0.002	0.08	12.2
1.31	Metasandsone	2	164558	4.63	5.94	1.31	0.008	0.08	6
1.43	Metasandsone	2	164559	5.94	7.38	1.43	0.001	0.06	6.5
0.98	Metasandsone	2	164560	7.38	8.35	0.98	0.001	0.13	39.9
0.85	Quartz Vein	6	164561	8.35	9.20	0.85	0.001	0.12	4.2
1.46	Metasandsone	2	164562	9.20	10.67	1.46	0.003	0.14	8.8
0.46	Quartz Vein	6	164563	10.67	11.13	0.46	0.002	0.1	2.6
1.22	Quartz Vein	6	164564	11.13	12.34	1.22	0.003	0.11	3.5
1.52	Quartz Vein	6	164565	12.34	13.87	1.52	0.002	0.15	13
1.52	Metasandsone	2	164566	13.87	15.39	1.52	0.002	0.16	2
1.62	Metasandsone	2	164567	15.39	17.01	1.62	0.001	0.13	2.7
1.28	Metasandsone	2	164568	17.01	18.29	1.28	0.004	0.18	3.7
1.52	Metasandsone	2	164569	18.29	19.81	1.52	0.001	0.13	7.5
1.52	Metasandsone	2	164570	19.81	21.34	1.52	0.001	0.07	1.3
1.52	Metasandsone	2	164571	21.34	22.86	1.52	0.001	0.05	0.6
1.55	Metasandsone	2	164572	22.86	24.41	1.55	<0.001	0.06	0.3
0.55	Quartz Vein	6	164573	24.41	24.96	0.55	<0.001	0.11	0.9
1.40	Metasandsone	2	164574	24.96	26.37	1.40	<0.001	0.1	0.9
0.55	Quartz Vein	6	164575	26.37	26.91	0.55	0.001	0.04	0.7
2.04	Metasandsone	2	164576	26.91	28.96	2.04	0.001	0.05	0.5
1.52	Metasandsone	2	164577	28.96	30.48	1.52	0.001	0.1	1.5
1.52	Metasandsone	2	164578	30.48	32.00	1.52	0.001	0.09	2.6
1.52	Metasandsone	2	164579	32.00	33.53	1.52	0.001	0.07	1.3
1.52	Metasandsone	2	164580	33.53	35.05	1.52	0.002	0.06	5.4
1.52	Quartz Vein	6	164581	35.05	36.58	1.52	0.002	0.06	9.1
1.52	Metasandsone	2	164582	36.58	38.10	1.52	0.002	0.13	34.3
1.52	Metasandsone	2	164583	38.10	39.62	1.52	0.046	0.19	56.6
1.52	Metasandsone	2	164584	39.62	41.15	1.52	0.002	0.21	10.1
1.37	Metasandsone	2	164585	41.15	42.52	1.37	0.004	0.17	13.2
1.37	Metasandsone	2	164586	42.52	43.89	1.37	0.004	0.13	2.6
1.22	Quartz Vein	6	164587	43.89	45.11	1.22	0.004	0.12	5.2
1.52	Metasandsone	2	164588	45.11	46.63	1.52	0.002	0.06	7.6
6.61	Metasandsone	2	164589	46.63	53.25	6.61	0.006	0.08	20.6
0.85	Metasandsone	2	164590	53.25	54.10	0.85	0.003	0.09	12
0.46	Quartz Vein	6	164591	54.10	54.56	0.46	0.01	0.08	14.6
1.52	Metasandsone	2	164592	54.56	56.08	1.52	0.002	0.11	11.6
3.05	Metasandsone	2	164593	56.08	59.13	3.05	0.002	0.08	17.3
2.01	Quartz Vein	6	164594	59.13	61.14	2.01	0.002	0.13	56.3
1.52	Metasandsone	2	164595	61.14	62.67	1.52	0.005	0.07	4.3
1.52	Metasandsone	2	164596	62.67	64.19	1.52	0.002	0.1	15
1.95	Metasandsone	2		64.19	66.14	1.95			
1.34	Metasandsone	2	164597	66.14	67.48	1.34	0.003	0.1	15
1.25	Metasandsone	2	164598	67.48	68.73	1.25	0.005	0.08	9.1
1.58	Metasandsone	2	164599	68.73	70.32	1.58	0.003	0.09	7.9
1.62	Metasandsone	2	164600	70.32	71.93	1.62	0.002	0.09	39.5
1.77	Metasandsone	2	286151	71.93	73.70	1.77	0.004	0.07	12.1
1.37	Metasandsone	2	286152	73.70	75.07	1.37	0.06	0.1	3.4
1.34	Metasandsone	2	286153	75.07	76.41	1.34	0.027	0.1	3.7
1.31	Metasandsone	2	286154	76.41	77.72	1.31	0.006	0.13	9.3
1.52	Metasandsone	2	286155	77.72	79.25	1.52	0.004	0.14	8.8
1.52	Metasandsone	2	286156	79.25	80.77	1.52	0.002	0.13	39.9
1.52	Metapelite	1	286157	80.77	82.30	1.52	0.002	0.13	129
1.52	Metapelite	1	286158	82.30	83.82	1.52	0.002	0.13	58.7
1.65	Metapelite	1	286159	83.82	85.47	1.65	0.002	0.33	45.2
1.80	Metapelite	1	286160	85.47	87.26	1.80	0.004	0.16	19
1.28	Metapelite	1	286161	87.26	88.54	1.28	0.008	0.13	40.7
1.07	Metapelite	1	286162	88.54	89.61	1.07	0.003	0.11	58.4
2.13	Metapelite	1	286163	89.61	91.74	2.13	3.72	0.25	13.1
1.07	Metapelite	1	46330	89.61	90.68	1.07	<0.05		
1.07	Metapelite	1	46332	90.68	91.74	1.07	<0.05		
2.44	Metapelite	1	286164	91.74	94.18	2.44	<0.05	0.08	11.7
1.74	Metasandsone	2	286165	94.18	95.92	1.74	0.27	0.2	95.3
1.62	Metasandsone	2	286166	95.92	97.54	1.62	0.36	0.39	32.9
1.52	Metasandsone	2	286167	97.54	99.06	1.52	0.05	0.07	21
1.52	Metasandsone	2	286168	99.06	100.58	1.52	0.004	0.08	34.7
1.31	Metasandsone	2	286169	100.58	101.89	1.31	0.003	0.07	26.1
1.28	Metasandsone	2	286170	101.89	103.17	1.28	0.034	0.06	25.9
1.37	Metasandsone	2	286171	103.17	104.55	1.37	0.014	0.06	32.8
1.77	Amphibolite	3	286172	104.55	106.31	1.77	0.034	0.07	4.4
0.30	Quartz Vein	6	286173	106.31	106.62	0.30	0.014	0.08	1.4
1.43	Amphibolite	3	286174	106.62	108.05	1.43	0.01	0.04	0.7
1.43	Amphibolite	3	286175	108.05	109.48	1.43	0.007	0.06	1.6
1.46	Amphibolite	3	286176	109.48	110.95	1.46	0.007	0.05	1.7
3.44	Amphibolite	3	286177	110.95	114.39	3.44	0.008	0.04	1.5
1.43	Amphibolite	3	286178	114.39	115.82	1.43	0.006	0.04	1.5
1.77	Amphibolite	3	286179	115.82	117.59	1.77	0.005	0.03	1.4
1.58	Amphibolite	3	286180	117.59	119.18	1.58	0.019	0.05	0.6
1.40	Amphibolite	3	286181	119.18	120.58	1.40	0.007	0.05	0.7
1.34	Amphibolite	3	286182	120.58	121.92	1.34	0.008	0.04	5.1
1.52	Amphibolite	3	286183	121.92	123.44	1.52	0.013	0.02	0.7
1.52	Amphibolite	3	286184	123.44	124.97	1.52	0.012	0.02	0.8
1.52	Amphibolite	3	286185	124.97	126.49	1.52	0.005	0.02	1.2
1.52	Amphibolite	3	286186	126.49	128.02	1.52	0.006	0.05	1.2
1.52	Amphibolite	3	286187	128.02	129.54	1.52	0.004	0.03	0.9
6.10	Amphibolite	3		129.54	135.64	6.10			
1.22	Quartz Diorite	5	286188	135.64	136.86	1.22	0.003	0.05	1.6
1.16	Quartz Diorite	5	286189	136.86	138.01	1.16	0.002	0.03	2.5
1.43	Quartz Diorite	5	286190	138.01	139.45	1.43	0.001	0.02	2.3
1.22	Amphibolite	3	286191	139.45	140.67	1.22	0.007	0.06	0.9
1.58	Amphibolite	3	286192	140.67	142.25	1.58	0.005	0.04	0.7
1.52	Amphibolite	3	286193	142.25	143.77	1.52	0.009	0.04	1.3
1.58	Amphibolite	3	286194	143.77	145.36	1.58	0.112	0.06	1.2
1.55	Amphibolite	3	286195	145.36	146.91	1.55	0.437	0.07	1.8
1.71	Amphibolite	3	286196	146.91	148.62	1.71	0.05	0.06	1.3
1.62	Amphibolite	3	286197	148.62	150.24	1.62	0.016	0.06	1.1
2.16	Amphibolite	3		150.24	152.40	2.16			
1.52	Amphibolite	3	286198	152.40	153.92	1.52	0.004	0.03	0.6
1.52	Amphibolite	3	286199	153.92	155.45	1.52	0.006	0.04	1.5
1.52	Amphibolite	3	286200	155.45	156.97	1.52	0.02	0.05	1.4
1.52	Amphibolite	3	286201	156.97	158.50	1.52	0.112	0.08	1
1.52	Amphibolite	3	286202	158.50	160.02	1.52	0.013	0.04	4.6
1.52	Amphibolite	3	286203	160.02	161.54	1.52	0.031	0.05	5.5
1.52	Amphibolite	3	286204	161.54	163.07	1.52	0.009	0.02	1.6
1.52	Amphibolite	3	286205	163.07	164.59	1.52	0.007	0.07	3
1.62	Amphibolite	3	286206	164.59	166.21	1.62	0.009	0.04	1.2
4.48	Amphibolite	3	286207	166.21	170.69	4.48	0.014	0.04	3.9
6.77	Amphibolite	3		170.69	177.45	6.77			
1.77	Amphibolite	3	286208	177.45	179.22	1.77	0.006	0.05	1.6
1.62	Amphibolite	3	286209	179.22	180.84	1.62	0.19	0.09	1
1.43	Amphibolite	3	286210	180.84	182.27	1.43	0.121	0.06	0.9
1.52	Amphibolite	3	286211	182.27	183.79	1.52	0.027	0.04	1.7
1.55	Amphibolite	3	286212	183.79	185.35	1.55	0.013	0.08	6.9
1.52	Amphibolite	3	286213	185.35	186.87	1.52	0.008	0.04	1.4
1.49	Amphibolite	3	286214	186.87	188.37	1.49	0.05	0.05	1.4
1.49	Amphibolite	3	286215	188.37	189.86	1.49	0.01	0.05	1.1
4.94	Amphibolite	3		189.86	194.80	4.94			
1.80	Amphibolite	3	286216	194.80	196.60	1.80	0.01	0.03	0.6
1.52	Amphibolite	3	286217	196.60	198.12	1.52	0.049	0.04	0.7
1.52	Amphibolite	3	286218	198.12	199.64	1.52	0.014	0.06	1
1.62	Amphibolite	3	286219	199.64	201.26	1.62	0.046	0.06	0.7
1.55	Amphibolite	3	286220	201.26	202.81	1.55	0.053	0.07	1.1
1.40	Amphibolite	3	286221	202.81	204.22	1.40	0.007	0.06	20.6
0.91	Quartz Vein	6	286222	204.22	205.13	0.91	0.001	0.01	15
0.85	Quartz Vein	6	286223	205.13	205.98	0.85	0.007	0.07	32.4
1.58	Amphibolite	3	286224	205.98	207.57	1.58	0.001	0.13	71.2
1.52	Metapelite	1	286225	207.57	209.09	1.52	0.001	0.15	43.2
1.22	Metapelite	1	286226	209.09	210.31	1.22	<0.001	0.19	421
1.65	Metapelite	1	286227	210.31	211.96	1.65	<0.001	0.14	54.3
1.40	Metapelite	1	286228	211.96	213.36	1.40	0.001	0.11	27.7
1.58	Metapelite	1	286229	213.36	214.94	1.58	0.001	0.1	167.5
1.46	Metapelite	1	286230	214.94	216.41	1.46	<0.001	0.11	197.5
3.05	Metapelite	1	286231	216.41	219.46	3.05	0.001	0.16	52.1

VA10170274 - Finalized
CLIENT : "MILBAVE - Mill Bay Ventures"
# of SAMPLES : 146
DATE RECEIVED : 2010-11-16 DATE FINALIZED : 2010-12-10
PROJECT : "Valentine"
CERTIFICATE COMMENTS : "ME-MS41:Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g). "
PO NUMBER : " "

	Au-TL44	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
SAMPLE	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga
DESCRIPT	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
164556	0.001	0.15	2.41	7.5	<0.2	<10	430	0.12	0.06	0.88	0.08	8.2	13.3	47	2.19	23.4	3.34	10.25
164557	0.002	0.08	2.54	12.2	<0.2	<10	550	0.11	0.04	0.88	0.05	7.64	13.2	53	1.92	19.1	3.27	10.65
164558	0.008	0.08	2.34	6	<0.2	<10	470	0.09	0.03	0.66	0.05	8.35	12.7	57	1.97	22.4	3.19	9.56
164559	0.001	0.06	2.07	6.5	<0.2	<10	360	0.08	0.04	0.86	0.05	7.61	13	61	1.45	20.8	3.11	9.25
164560	0.001	0.13	2.64	39.9	<0.2	<10	530	0.12	0.09	0.73	0.07	11.4	14.1	57	2.59	31.8	3.53	11.65
164561	0.001	0.12	2.68	4.2	<0.2	<10	510	0.09	0.12	0.56	0.06	12.15	15	57	2.89	26.3	3.65	11.75
164562	0.003	0.14	2.64	8.8	<0.2	<10	380	0.11	0.17	0.46	0.06	18.6	16.3	75	3.28	44.9	3.91	11.6
164563	0.002	0.1	2.39	2.6	<0.2	<10	380	0.11	0.05	0.61	0.05	13.9	11.5	51	2.16	28.5	3.02	9.95
164564	0.003	0.11	2.74	3.5	<0.2	<10	430	0.15	0.11	0.71	0.05	16.85	14.1	59	2.57	35.3	3.45	11.15
164565	0.002	0.15	2.54	13	<0.2	<10	360	0.12	0.14	0.31	0.05	18.4	15.3	61	2.81	37.7	3.77	11.9
164566	0.002	0.16	2.66	2	<0.2	<10	380	0.12	0.17	0.45	0.07	18.8	15.2	58	2.77	40.3	3.97	11.4
286172	0.034	0.07	3.74	4.4	<0.2	<10	250	0.13	0.02	1.27	0.02	4.1	39.3	51	3.34	98.2	6.42	12.75
286173	0.014	0.08	3.27	1.4	<0.2	<10	190	0.15	0.02	1.89	0.04	3.7	39.4	39	3.61	238	6	10.55
286174	0.01	0.04	3.62	0.7	<0.2	<10	170	0.18	0.01	1.63	0.04	3.59	31.3	96	2.98	67.9	4.97	11.5
286175	0.007	0.06	3.33	1.6	<0.2	<10	110	0.23	0.02	1.59	0.05	3.84	23.4	166	1.87	62.9	3.55	8.91
286176	0.007	0.05	3.86	1.7	<0.2	<10	140	0.3	0.02	1.67	0.05	3.15	24.5	173	2.5	68	3.79	9.92
286177	0.008	0.04	3.46	1.5	<0.2	<10	90	0.28	0.02	1.83	0.05	4	23.6	157	1.56	67.5	3.43	8.87
286178	0.006	0.04	2.55	1.5	<0.2	<10	40	0.21	0.01	1.79	0.05	2.55	15.7	97	0.69	52.7	2.24	6.29
286179	0.005	0.03	3.55	1.4	<0.2	<10	80	0.38	0.02	2.47	0.05	3.81	20.9	128	1.39	38.5	2.9	8.59
286180	0.019	0.05	3.79	0.6	<0.2	<10	150	0.17	0.01	1.32	0.05	3.02	43.3	198	2.72	70.3	4.88	12.3
B-14	0.005	0.06	3.93	<0.1	<0.2	<10	10	0.07	0.01	2.41	0.03	5.63	25.7	131	<0.05	209	4.96	8.13

	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	Au-OG44
SAMPLE	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr	Au
DESCRIPT	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
164556	0.13	0.02	<0.01	0.029	1.26	4	24.5	1.32	511	0.49	0.11	0.24	20.1	770	2.4	48.7	<0.001	0.12	0.1	9.7	0.4	0.8	29.2	<0.01	0.02	2.1	0.232	0.28	0.28	106	0.23	6.02	68	<0.5	
164557	0.15	0.02	<0.01	0.028	1.42	3.8	26.6	1.25	490	0.52	0.14	0.27	21.4	620	2.3	49.7	<0.001	0.13	0.07	9.8	0.4	0.9	42.2	<0.01	0.01	1.7	0.264	0.28	0.25	103	0.29	5.24	67	<0.5	
164558	0.14	0.02	<0.01	0.026	1.34	4.2	24.2	1.26	454	0.43	0.12	0.25	21	660	1.6	49.7	<0.001	0.11	0.06	9.5	0.3	0.7	28	<0.01	0.01	1.9	0.246	0.26	0.27	105	0.22	5.11	66	<0.5	
164559	0.14	0.02	<0.01	0.028	1.07	3.8	24.3	1.26	428	0.4	0.09	0.25	22.1	660	1.6	38.5	<0.001	0.07	0.06	9.4	0.3	0.7	39.4	<0.01	0.01	1.8	0.22	0.2	0.23	107	0.48	5.47	64	<0.5	
164560	0.13	0.02	<0.01	0.036	1.56	5.6	28.7	1.31	548	0.86	0.15	0.34	25.6	750	1.8	62.5	<0.001	0.33	0.07	11	0.6	1	42.8	0.01	0.02	2.7	0.28	0.33	0.45	111	0.38	6.79	84	<0.5	
164561	0.15	0.02	<0.01	0.036	1.65	6	32.2	1.41	495	0.83	0.11	0.28	27.7	660	1.8	67.9	0.001	0.3	0.05	10	0.5	1	59	<0.01	0.03	2.2	0.247	0.36	0.39	105	0.25	4.62	91	<0.5	
164562	0.15	0.03	<0.01	0.039	1.52	9.2	35.9	1.38	481	0.96	0.08	0.37	41.5	1010	1.9	69.7	0.001	0.38	0.09	11.3	0.6	0.9	28.4	<0.01	0.04	3.2	0.217	0.37	0.5	119	0.33	5.23	102	<0.5	
164563	0.13	0.02	<0.01	0.031	1.19	7	27.1	1.09	400	0.62	0.13	0.28	23.3	580	1.7	48.6	<0.001	0.23	0.05	9	0.4	0.9	37.7	<0.01	0.02	2.6	0.179	0.26	0.44	99	1.03	4.63	74	<0.5	
164564	0.13	0.03	<0.01	0.033	1.4	8.5	32.7	1.28	463	0.86	0.15	0.3	27.6	650	1.9	58.9	0.001	0.24	0.07	10.3	0.5	0.9	48.4	0.01	0.03	2.9	0.215	0.31	0.47	108	0.25	5.1	85	0.6	
164565	0.14	0.02	<0.01	0.036	1.36	9.2	35.1	1.4	417	0.69	0.07	0.32	30.7	690	1.9	61.8	<0.001	0.32	0.06	10.2	0.5	0.9	15.3	<0.01	0.03	3.4	0.202	0.33	0.54	111	0.37	4.77	89	<0.5	
164566	0.15	0.02	<0.01	0.036	1.41	9.3	31.8	1.38	424	0.84	0.1	0.35	33	760	2	63.6	0.001	0.46	0.06	9.7	0.6	0.9	41.5	0.01	0.04	3.1	0.207	0.35	0.52	108	0.45	4.74	84	<0.5	

VA10180753 - Finalized
CLIENT : "MILBAVE - Mill Bay Ventures"
# of SAMPLES : 178
DATE RECEIVED : 2010-12-02 DATE FINALIZED : 2010-12-18
PROJECT : "Valentine"
CERTIFICATE COMMENTS : "ME-MS41:Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g). "
PO NUMBER : "2"

	Au-TL44	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
SAMPLE	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga
DESCRIPT	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
286181	0.007	0.05	3.08	0.7	<0.2	<10	140	0.17	0.01	1.13	0.03	2.7	31	185	2.02	58.8	4.74	10.15
286182	0.008	0.04	2.91	5.1	<0.2	<10	70	0.22	0.01	2.68	0.06	4.2	23.9	132	1.3	58.1	3.51	8.41
286183	0.013	0.02	2.09	0.7	<0.2	<10	80	0.17	<0.01	1.37	0.03	2.89	20.8	118	1.37	51.9	3.13	6.7
286184	0.012	0.02	2.38	0.8	<0.2	<10	60	0.2	0.01	1.91	0.05	2.87	21.4	110	1.68	57.2	2.99	6.97
286185	0.005	0.02	2.61	1.2	<0.2	<10	80	0.24	<0.01	1.99	0.05	3.17	20.7	102	2.4	53.7	2.65	6.92
286186	0.006	0.05	2.6	1.2	<0.2	<10	110	0.25	0.01	2.1	0.06	3.28	20.7	98	2.4	61.5	2.82	7.05
286187	0.004	0.03	2.28	0.9	<0.2	<10	60	0.17	0.01	3.04	0.06	2.72	15.7	84	2.02	40.3	2.25	5.79
286188	0.003	0.05	2.06	1.6	<0.2	<10	110	0.18	0.02	3	0.07	4.05	17.7	43	1.15	65.5	2.7	6.83
286189	0.002	0.03	1.51	2.5	<0.2	<10	190	0.13	0.01	0.84	0.01	7.43	7.2	2	1.28	17.6	2.05	6.37
286190	0.001	0.02	1.87	2.3	<0.2	<10	260	0.14	0.01	0.69	0.01	7.29	8.7	1	1.59	9.7	2.62	8.25

VA11003890 - Finalized
CLIENT : "MILBAVE - Mill Bay Ventures"
# of SAMPLES : 12
DATE RECEIVED : 2011-01-11 DATE FINALIZED : 2011-01-14
PROJECT : "Valentine"
CERTIFICATE COMMENTS : ""
PO NUMBER : " "

	Au-SCR24	Au-SCR24	Au-SCR24	Au-SCR24	Au-SCR24	Au-SCR24	Au-AA26	Au-AA26D
SAMPLE	Au Total (+)(-) Combined	Au (+) Fraction	Au (-) Fraction	Au (+) mg	WT. + Frac Entire	WT. - Frac Entire	Au	Au
DESCRIPTION	ppm	ppm	ppm	mg	g	g	ppm	ppm
46330	<0.05	<0.05	<0.05	<0.001	52.66	887.2	0.02	0.02
46331	<0.05	<0.05	<0.05	<0.001	29.12	689.3	0.02	0.02

Valentine Mountain Project Drill Core Log and Sample Record

Date/Target:	**November, 2010 / Discovery Zone southeast extension**								**Acid Tests:**	**Hole Number:**		**10-4**		
Location:	**UTM NAD83 Zone 10N 434561E 5374215N 826 m. elevation uncorrected**								**none**	**Collar Azimuth:**		**3**		
Total Length:	**720 feet = 219.46 metres**									**Collar Dip:**		**-60**		
FROM ft	**TO ft**	**WIDTH ft**	**Lithology**	**% Chlorite**	**% Carbonate**	**% Qtz vns**	**% sulphide**	**RQD (%**	**Recovery**	**Sample No**	**FROM ft**	**TO ft**	**WIDTH ft**	**Description**
9.3	10	0.7	2	1	1	5	1	0	100	164556	9.3	12.3	3	5% qtz 0.1-0.5 cm @30-45 degrees to ca, 1% diss & frac fill py, trace limonite, 9.3'-264' Unit 2 gneiss (metasandstone)
10	15	5	2	2	1	12	1	82	100	164557	12.3	15.2	2.9	14% qtz 0.1-1.5 cm @50-65 degrees to ca, late-stage milky qtz @25 deg to ca, 1% diss & frac fill py
15	20	5	2	1	1	8	1	95	90	164558	15.2	19.5	4.3	8% qtz 0.1-1.5 cm @65 degrees to ca, 1% diss & frac fill py
20	25	5	2	1	1	5	1	100	100	164559	19.5	24.2	4.7	5% qtz 0.1-1 cm @65-70 degrees to ca, 1% diss & frac fill py
25	30	5	2	1	1	5	1	100	100	164560	24.2	27.4	3.2	5% qtz 0.1-1 cm @65-70 degrees to ca, 1% diss & frac fill py
30	35	5	2	3	1	12	3	88	95	164561	27.4	30.2	2.8	20% qtz 0.1-11 cm @50-70 degrees to ca, 4% diss & frac fill py, pyo
35	40	5	2	1	1	9	1	95	100	164562	30.2	35	4.8	8% qtz 0.1-1 cm @70 degrees to ca, 1% diss & frac fill py
40	45	5	2	2	1	10	3	82	90	164563	35	36.5	1.5	20% qtz 0.1-4 cm @65-80 degrees to ca, 3% diss & frac fill py, pyo
45	50	5	2	2	1	11	3	95	85	164564	36.5	40.5	4	12% qtz 0.1-2 cm @50-55 degrees to ca, 3% diss & frac fill py, pyo
50	55	5	2	2	1	10	1	100	97	164565	40.5	45.5	5	10% qtz 0.1-3 cm @40-50 degrees to ca, 1% diss & frac fill py, pyo
55	60	5	2	1	1	7	1	90	90	164566	45.5	50.5	5	7% qtz 0.1-3 cm @45-60 degrees to ca, 1% diss & frac fill py
60	65	5	2	1	1	4	1	96	100	164567	50.5	55.8	5.3	4% qtz 0.1-1.5 cm @50-55 degrees to ca, 1% diss & frac fill py
65	70	5	2	1	1	4	1	100	100	164568	55.8	60	4.2	4% qtz 0.1-1.5 cm @50-55 degrees to ca, 1% diss & frac fill py
70	75	5	2	1	1	4	1	92	95	164569	60	65	5	4% qtz 0.1-1.5 cm @50-55 degrees to ca, 1% diss & frac fill py
75	80	5	2	1	1	6	1	100	100	164570	65	70	5	6% qtz 0.1-1.5 cm @55-65 degrees to ca, 1% diss & frac fill py
80	85	5	2	1	1	7	1	100	100	164571	70	75	5	7% qtz 0.1-3 cm @55-75 degrees to ca, 1% diss & frac fill py
85	90	5	2	1	1	4	1	100	100	164572	75	80.1	5.1	4% qtz 0.1-3.5 cm @55-75 degrees to ca, 1% diss & frac fill py
90	95	5	2	2	1	10	1	95	100	164573	80.1	81.9	1.8	15% qtz 0.1-5 cm @60 degrees to ca, 1% diss & frac fill py
95	100	5	2	1	1	4	1	96	100	164574	81.9	86.5	4.6	3% qtz 0.1-0.5 cm @60-85 degrees to ca, 1% diss & frac fill py, 1% calcite
100	105	5	2	1	1	2	2	94	100	164575	86.5	88.3	1.8	12% qtz 0.1-3 cm @65-75 degrees to ca, 2% diss & frac fill py, pyo
105	110	5	2	1	1	3	1	95	100	164576	88.3	95	6.7	2% qtz 0.1-0.3 cm @30 + 65 degrees to ca, 1% diss & frac fill py
110	115	5	2	1	1	3	1	100	100	164577	95	100	5	3% qtz 0.1-0.5 cm @60 degrees to ca, 1% diss & frac fill py
115	120	5	2	1	1	3	1	100	100	164578	100	105	5	3% qtz 0.1-0.3 cm @60 deg to ca, 1% diss & frac fill py
120	125	5	2	1	1	4	1	78	100	164579	105	110	5	4% qtz 0.1-0.5 cm @30 + 65 degrees to ca, 1% diss & frac fill py
125	130	5	2	1	1	4	1	97	100	164580	110	115	5	4% qtz 0.1-0.5 cm @30 + 65 degrees to ca, 1% diss & frac fill py
130	135	5	2	1	1	10	1	95	100	164581	115	120	5	10% qtz 0.1-9 cm @75-88 degrees to ca, 1% diss & frac fill py
135	140	5	2	1	1	6	1	97	100	164582	120	125	5	6% qtz 0.1-5 cm @60-80 degrees to ca, 1% diss & frac fill py
140	145	5	2	1	1	8	1	90	100	164583	125	130	5	8% qtz 0.1-5 cm @50-70 degrees to ca, late-stage milky qtz @30-40 to ca,1% diss & frac fill py
145	150	5	2	1	1	3	1	100	100	164584	130	135	5	3% qtz 0.1-1.5 cm @60-80 degrees to ca, 1% diss & frac fill py
150	155	5	2	1	1	3	1	100	100	164585	135	140	4.5	3% qtz 0.1-0.5 cm @65-75 degrees to ca, 1% diss & frac fill py
155	160	5	2	1	1	4	1	99	100	164586	139.5	144	4.5	4% qtz 0.1-2.5 cm @45-55 degrees to ca, 1% diss & frac fill py
160	165	5	2	1	1	12	3	100	100	164587	144	148	4	12% qtz 0.1-4 cm @50-60 degrees to ca, 3% diss & frac fill py, pyo
165	170	5	2	1	1	3	1	90	100	164588	148	153	5	3% qtz 0.1-0.2 cm @60 degrees to ca, 1% diss & frac fill py
170	175	5	2	1	1	6	1	56	100	164589	169.7	175	5	6% qtz 0.1-6 cm @45-55 degrees to ca, late-stage milky qtz @35-40 deg to ca, 1% diss & frac fill py, fault zone, clay gouge at 170-170.6
175	180	5	2	1	1	7	1	40	100	164590	174.7	178	2.8	7% qtz 0.1-5 cm @60-85 degrees to ca, ptygmatic qtz vn textures, contorted foliation at 175.3-175.5, 3% diss & frac fill py
180	185	5	2	5	1	8	1	20	25	164591	177.5	179	1.5	10% qtz 0.1-2.5 cm @85 degrees to ca, 3% diss & frac fill pyo, py, fault zone, weak clay at 178.2-178.5
185	190	5	2	6	1	10	1	5	25	164592	179	184	5	6% qtz 0.1-1.5 cm @15 + 70 degrees to ca, 1% diss & frac fill py, fault zone, minor clay at 180-184
190	195	5	2	5	1	12	1	5	25	164593	184	194	10	12% qtz 0.1-1.5 cm @50-70 degrees to ca, major fault, clay gouge at 185-193, 45% recovery, 1% diss & frac fill py
195	200	5	2	4	1	4	1	75	80	164594	194	201	6.6	4% qtz 0.1-2.5 cm @60-75 degrees to ca, 1% diss & frac fill py
200	205	5	2	1	1	4	1	100	100	164595	200.6	206	5	4% qtz 0.1-2 cm @55-70 degrees to ca, late-stage white qtz vns @25 deg to ca, 1% diss & frac fill py
205	210	5	2	1	1	4	1	100	100	164596	205.6	211	5	4% qtz 0.1-2 cm @55-70 degrees to ca, late-stage white qtz vns @25 deg to ca, 1% diss & frac fill py
210	215	5	2	1	1	1	1	80	100					
215	220	5	2	1	1	3	1	83	85	164597	217	221	4.4	3% qtz 0.1-1 cm @60-80 degrees to ca, 1% diss & frac fill py, fault zone, chl, clay at 218.2-218.9
220	225	5	2	1	1	4	1	90	100	164598	221.4	226	4.1	4% qtz 0.1-3 cm @65-80 degrees to ca, late-stage qtz vns x-cutting @20-30 deg toca, 1% diss & frac fill py
225	230	5	2	1	1	3	1	93	100	164599	225.5	231	5.2	3% qtz 0.1-0.3 cm @65-80 degrees to ca, 1% diss & frac fill py
230	235	5	2	1	1	4	1	95	95	164600	230.7	236	5.3	4% qtz 0.1-1 cm @60-65 degrees to ca, 1% diss & frac fill py
235	240	5	2	1	1	3	1	100	95	286151	236	242	5.8	3% qtz 0.1-1 cm @45-70 degrees to ca, 1% diss & frac fill py
240	245	5	2	1	1	3	1	100	90	286152	241.8	246	4.5	3% qtz 0.1-1 cm @50-70 degrees to ca, 2% chlorite, 1% diss & frac fill py
245	250	5	2	1	1	3	1	100	95	286153	246.3	251	4.4	3% qtz 0.1-1 cm @45-85 degrees to ca, 1% diss & frac fill py
250	255	5	2	1	1	3	1	92	100	286154	250.7	255	4.3	3% qtz 0.1-3 cm @70-88 degrees to ca, 1% diss & frac fill py
255	260	5	2	1	1	3	1	100	100	286155	255	260	5	3% qtz 0.1-0.3 cm @70 degrees to ca, 1% diss & frac fill py
260	265	5	1 + 2	1	1	3	1	91	100	286156	260	265	5	3% qtz 0.1-0.5 cm @60-65 degrees to ca, 1% diss & frac fill py, 264'-311' Unit 1 black garnet-andalusite-biotite schist (metapelite)
265	270	5	1	1	1	8	1	100	100	286157	265	270	5	8% qtz 0.1-5.5 cm @45-75 degrees to ca, 1% diss & frac fill py
270	275	5	1	1	1	4	1	90	100	286158	270	275	5	4% qtz 0.1-3.5 cm @60-85 degrees to ca, 1% diss & frac fill py
275	280	5	1	1	1	6	1	40	100	286159	275	280	5.4	3% qtz 0.1-1 cm @50-75 degrees to ca, 1% diss & frac fill py,
280	285	5	1	1	1	8	1	100	100	286160	280.4	286	5.9	6% qtz 0.1-2.5 cm @60-70 degrees to ca, 1% diss & frac fill py
285	290	5	1	1	1	3	1	90	100	286161	286.3	291	4.2	8% qtz 0.1-3.5 cm @70-85 degrees to ca, 1% diss & frac fill py,
290	295	5	1	1	1	6	1	10	100	286162	290.5	294	3.5	3% qtz 0.1-0.3 cm @65 degrees to ca, 1% diss & frac fill py, fault zone, minor clay at 290.5-292
295	300	5	1	1	1	4	1	11	100	286163	294	301	7	6% qtz 0.1-1 cm @65 degrees to ca, 1% diss & frac fill py, fault zone, minor clay at 299.2-299.4
300	305	5	1	1	1	1	1	0	55	286164	301	309	8	4% qtz 0.1-0.3 cm @65 degrees to ca, 1% diss & frac fill py, fault zone, minor clay at 304-308.8
305	310	5	1	1	1	3	1	10	55					
310	315	5	1 + 2	1	1	2	1	86	90	286165	309	315	5.7	3% qtz 0.1-0.3 cm @50-65 degrees to ca, 1% diss & frac fill py, 311-343' Unit 2 gneiss (metasandstone)
315	320	5	2	1	1	2	1	96	90	286166	314.7	320	5.3	2% qtz 0.1-0.2 cm @60 degrees to ca, 1% diss & frac fill py,
320	325	5	2	1	1	2	1	84	100	286167	320	325	5	2% qtz 0.1-0.2 cm @60 degrees to ca, 1% diss & frac fill py,
325	330	5	2	1	1	2	1	95	100	286168	325	330	5	2% qtz 0.1-0.2 cm @60 degrees to ca, 1% diss & frac fill py,
330	335	5	2	1	1	2	1	100	95	286169	330	334	4.3	2% qtz 0.1-0.2 cm @60 degrees to ca, 1% diss & frac fill py,
335	340	5	2	1	1	6	1	98	100	286170	334.3	339	4.2	6% qtz 0.1-2 cm @75 degrees to ca, 1% diss & frac fill py
340	345	5	2	1	1	5	1	97	90	286171	338.5	343	4.5	5% qtz 0.1-0.5 cm @80 degrees to ca, 1% cal, 1% diss & frac fill py
345	350	5	2 + 3	1	2	3	5	100	100	286172	343	349	5.8	3% qtz 0.1-2 cm @70 degrees to ca, 2% cal, 7% diss & frac fill pyo, 1% diss red garnets, 343'-447.8' Unit 3 amphibolite (metavolcanic), contact sharp @70 deg
350	355	5	3	1	2	10	1	100	100	286173	348.8	350	1	10% qtz 0.1-2 cm @45-65 degrees to ca, 3% cal, 4% diss & frac fill pyo, py (blebs to 2 mm in qtz)
355	360	5	3	1	2	2	1	100	100	286174	349.8	355	4.7	2% qtz 0.1-1 cm @70 degrees to ca, 2% cal, 1% diss & frac fill py
360	365	5	3	1	2	5	1	97	100	286175	354.5	359	4.7	5% qtz 0.1-2 cm @80 degrees to ca, 3% cal, 1% diss & frac fill py, late stage cal/qtz/gypsum veins @10-20 deg to ca
365	370	5	3	1	2	4	1	100	100	286176	359.2	364	4.8	5% qtz 0.1-2 cm @80 degrees to ca, 3% cal, 1% diss & frac fill py, late stage cal/qtz/gypsum veins @10-20 deg to ca
370	375	5	3	1	2	4	1	100	100	286177	364	375	11.3	4% qtz 0.1-4 cm @70-80 degrees to ca, 2% cal, 1% diss & frac fill py
375	380	5	3	1	2	4	1	100	100	286178	375.3	380	4.7	4% qtz 0.1-4 cm @70-80 degrees to ca, 2% cal, 1% diss & frac fill py
380	385	5	3	1	2	3	1	98	100	286179	380	386	5.8	3% qtz 0.1-1 cm @65-75 degrees to ca, 2% cal, 1% diss & frac fill py
385	390	5	3	1	2	2	1	98	95	286180	385.8	391	5.2	2% qtz 0.1-1 cm @75 degrees to ca, 1% cal, 1% diss & frac fill py, weak breccia texture developed
390	395	5	3	1	2	8	3	100	100	286181	391	396	4.6	8% qtz 0.1-3.5 cm @40 + 75 degrees to ca, 4% cal, 3% diss & frac fill pyo, py,1% epidote
395	400	5	3	1	2	2	1	92	100	286182	395.6	400	4.4	2% qtz 0.1-1 cm @65 degrees to ca, 1% cal, 2% epidote,1% diss & frac fill py
400	405	5	3	1	2	3	1	100	100	286183	400	405	5	3% qtz 0.1-0.3 cm @70-80 degrees to ca, 2% cal, 2% epidote, 1% diss & frac fill py
405	410	5	3	1	2	3	1	100	100	286184	405	410	5	3% qtz 0.1-0.3 cm @70-80 degrees to ca, 2% cal, 2% epidote, 1% diss & frac fill py
410	415	5	3	1	2	3	1	88	100	286185	410	415	5	3% qtz 0.1-0.3 cm @70-80 degrees to ca, 2% cal, 2% epidote, 1% diss & frac fill py
415	420	5	3	1	2	4	1	82	100	286186	415	420	5	4% qtz 0.1-1.5 cm @45 & 80 degrees to ca, 2% cal, 3 cm qtz breccia vein at 417.9-418, 0.3% epidote, 1% diss & frac fill py
420	425	5	3	1	2	4	1	95	100	286187	420	425	5	4% qtz 0.1-3 cm @78 degrees to ca, 2% cal, 1% epidote, 1% diss & frac fill py
425	430	5	3	1	2	1	1	80	100					
430	435	5	3	1	2	1	1	100	100					
435	440	5	3	1	2	1	1	88	100					
440	445	5	3	1	2	1	1	100	100					
445	450	5	3 + 5	1	2	4	1	80	100	286188	445	449	4	4% qtz 0.1-1 cm @60-85 degrees to ca, 1% cal, 1% diss & frac fill py, 447.8'-457.6' Unit 5, qtz diorite dyke/sill, sharp contacts @58-70 to ca
450	455	5	5	1	1	3	1	90	100	286189	449	453	3.8	3% qtz 0.1-0.2 cm @40 & 65 degrees to ca, 1% diss & frac fill py, 0.3-1 cm dark green bands of hornblende-chlorite in dyke/sill,
455	460	5	3 + 5	1	2	3	1	97	100	286190	452.8	458	4.7	3% qtz 0.1-0.3 cm @40 & 65 degrees to ca, 1% diss & frac fill py, 0.3-1 cm dark green bands of hornblende-chlorite in dyke/sill,
460	465	5	3	1	2	4	1	100	100	286191	457.5	462	4	4% qtz 0.1-3.5 cm @75-80 degrees to ca, 2% cal, bx vn texture developed at 460.8-461.6, 1% diss & frac fill py, 457.6'-681' Unit 3, amphibolite (metavolcanic)
465	470	5	3	1	2	3	1	100	100	286192	461.5	467	5.2	3% qtz 0.1-1.5 cm @80 degrees to ca, 2% calcite, 1% diss & frac fill py, 1% epidote
470	475	5	3	1	2	3	1	80	100	286193	466.7	472	5	3% qtz 0.1-1.5 cm @80 degrees to ca, 2% calcite, 1% diss & frac fill py, 1% epidote
475	480	5	3	1	2		1	92	100	286194	471.7	477	5.2	3% qtz 0.1-1.5 cm @80 degrees to ca, 2% calcite, 1% diss & frac fill py, 1% epidote
480	485	5	3	1	2	3	1	95	100	286195	476.9	482	5.1	3% qtz 0.1-1.5 cm @80 degrees to ca, 2% calcite, 1% diss & frac fill py, 1% epidote
485	490	5	3	1	2	3	1	90	100	286196	482	488	5.6	3% qtz 0.1-1.5 cm @80 degrees to ca, 2% calcite, 1% diss & frac fill py, 1% epidote
490	495	5	3	1	2	5	1	100	100	286197	487.6	493	5.3	5% qtz 0.1-4 cm @70 & 88 degrees to ca, 3% cal, 1% diss & frac fill py, fault zone, broken grd at 489.9-490
495	500	5	3	1	2	1	1	95	100					
500	505	5	3	1	2	2	1	100	100	286198	500	505	5	2% qtz 0.1-0.2 cm @40-65 degrees to ca, 1% cal, 2% epidote, 1% diss & frac fill py
505	510	5	3	1	2	2	1	95	100	286199	505	510	5	2% qtz 0.1-0.2 cm @40-65 degrees to ca, 1% cal, 2% epidote, 1% diss & frac fill py
510	515	5	3	1	2	6	1	100	100	286200	510	515	5	6% qtz 0.1-4 cm @60-75 degrees to ca, 3% cal, 1% diss & frac fill py
515	520	5	3	2	2	8	1	91	100	286201	515	520	5	8% qtz 0.1-3 cm @45 & 85 degrees to ca, 2% cal, 1% diss & frac fill py
520	525	5	3	1	2	3	1	95	100	286202	520	525	5	3% qtz 0.1-1 cm @40 & 80 degrees to ca, 2% cal, 3% epidote, 1% diss & frac fill py
525	530	5	3	1	2	3	1	95	100	286203	525	530	5	3% qtz 0.1-1 cm @40 & 80 degrees to ca, 2% cal, 3% epidote, 1% diss & frac fill py
530	535	5	3	1	2	3	1	93	100	286204	530	535	5	3% qtz 0.1-1 cm @40 & 80 degrees to ca, 2% cal, 3% epidote, 1% diss & frac fill py
535	540	5	3	1	2	3	1	100	100	286205	535	540	5	3% qtz 0.1-1 cm @40 & 80 degrees to ca, 2% cal, 3% epidote, 1% diss & frac fill py
540	545	5	3	1	2	2	1	77	100	286206	540	545	5.3	2% qtz 0.1-2 cm @80 degrees to ca, late-stage x-cutting milky qtz @40 deg to ca,1% cal, 1% diss & frac fill py, fault zone at 544.6-544.7
545	550	5	3	1	2	2	1	20	50	286207	545.3	560	14.7	3% qtz 0.1-2 cm @75 degrees to ca, 1% cal, 1% diss & frac fill py, fault zone at 545.5-545.6. major fault, clay gouge, 10% recovery at 550-558
550	555	5	3	1	2	1	1	80	50					
555	560	5	3	1	2	1	1	80	100					
560	565	5	3	1	2	1	1	95	100					
565	570	5	3	1	2	1	1	100	100					
570	575	5	3	1	2	1	1	100	100					
575	580	5	3	1	2	1	1	95	100					
580	585	5	3	1	2	6	1	100	100	286208	582.2	588	5.8	6% qtz 0.1-2 cm @80 degrees to ca, late-stage white qtz @40 deg to ca, 1% cal, 1% diss & frac fill py
585	590	5	3	2	2	6	1	100	100	286209	588	593	5.3	6% qtz 0.1-2 cm @80 degrees to ca, late-stage white qtz @40 deg to ca, 1% cal, 1% diss & frac fill py
590	595	5	3	2	2	6	1	100	100	286210	593.3	598	4.7	6% qtz 0.1-2 cm @80 degrees to ca, late-stage white qtz @40 deg to ca, 1% cal, 1% diss & frac fill py
595	600	5	3	1	2	5	1	100	100	286211	598	603	5	5% qtz 0.1-2 cm @70 degrees to ca, late-stage white qtz @35-40 deg to ca, 2% cal, 2% epidote, 1% diss & frac fill py
600	605	5	3	1	2	1	1	96	100					
605	610	5	3	1	2	5	1	100	100	286212	603	608	5.1	5% qtz 0.1-2 cm @70 degrees to ca, late-stage white qtz @35-40 deg to ca, 2% cal, 2% epidote, 1% diss & frac fill py
610	615	5	3	1	2	5	1	100	100	286213	608.1	613	5	5% qtz 0.1-2 cm @70 degrees to ca, late-stage white qtz @35-40 deg to ca, 2% cal, 2% epidote, 1% diss & frac fill py
615	620	5	3	1	2	5	1	100	100	286214	613.1	618	4.9	5% qtz 0.1-2 cm @70 degrees to ca, late-stage white qtz @35-40 deg to ca, 2% cal, 2% epidote, 1% diss & frac fill py
620	625	5	3	1	2	5	1	100	100	286215	618	623	4.9	5% qtz 0.1-2 cm @70 degrees to ca, late-stage white qtz @35-40 deg to ca, 2% cal, 12% epidote as breccia texture at 620.8-621.6, 1% diss & frac fill py
625	630	5	3	1	2	1	1	100	100					
630	635	5	3	1	2	1	1	98	100					
635	640	5	3	1	2	1	1	90	100					
640	645	5	3	1	2	3	1	100	100	286216	639.1	645	5.9	3% qtz 0.1-1 cm @75-80 degrees to ca, 1% cal, 1% epidote,1% diss & frac fill py
645	650	5	3	1	2	6	1	95	100	286217	645	650	5	6% qtz 0.1-1.5 cm @70 degrees to ca, 2% cal, 2% epidote, 1% diss & frac fill py
650	655	5	3	1	2	6	1	100	100	286218	650	655	5	6% qtz 0.1-1.5 cm @70 degrees to ca, 2% cal, 2% epidote, 1% diss & frac fill py
655	660	5	3	1	2	6	1	100	100	286219	655	660	5.3	6% qtz 0.1-1.5 cm @70 degrees to ca, 2% cal, 2% epidote, 1% diss & frac fill py
660	665	5	3	1	2	6	1	90	100	286220	660.3	665	5.1	6% qtz 0.1-1.5 cm @70 degrees to ca, 2% cal, 2% epidote, 1% diss & frac fill py
665	670	5	3	1	2	6	1	100	100	286221	665.4	670	4.6	6% qtz 0.1-1.5 cm @70 degrees to ca, 2% cal, 2% epidote, 1% diss & frac fill py
670	675	5	3	2	2	75	1	97	90	286222	670	673	3	90% 70 cm @73 degrees to ca, trace cal, 2% diss & frac fill pyo, py along edge of qtz vein,, 1% chlorite, minor amphibolite angular clasts in qtz, minor tourmaline
675	680	5	3	2	2	10	1	77	90	286223	673	676	2.8	50% qtz 0.1-15 cm @40 & 78 degrees to ca, 2% cal, 1% diss & frac fill py, 1% chlorite,
680	685	5	1 + 3	1	2	3	1	60	100	286224	675.8	681	5.2	3% qtz 0.1-1 cm @80 degrees to ca, trace graphite, 1% diss & frac fill py
685	690	5	1	1	1	3	1	100	100	286225	681	686	5	3% qtz 0.1-1.5 cm @80 degrees to ca, 1% diss & frac fill py, 681'-720' Unit 1 black garnet-andalusite-biotite schist (metapelite)
690	695	5	1	1	1	3	1	100	100	286226	686	690	4	3% qtz 0.1-1 cm @80 degrees to ca, 1% diss & frac fill py
695	700	5	1	1	1	3	1	60	100	286227	690	695	5.4	3% qtz 0.1-1 cm @80 degrees to ca, 1% diss & frac fill py
700	705	5	1	1	1	3	1	70	100	286228	695.4	700	4.6	3% qtz 0.1-1 cm @80 degrees to ca, 1% diss & frac fill py
705	710	5	1	1	1	3	1	77	100	286229	700	705	5.2	3% qtz 0.1-1 cm @80 degrees to ca, 1% diss & frac fill py
710	715	5	1	1	1	3	1	0	50	286230	705.2	710	4.8	3% qtz 0.1-1 cm @80 degrees to ca, 1% diss & frac fill py
715	720	5	1	1	1	3	4	0	50	286231	710	720	10	3% qtz 0.1-1 cm @45 & 80 degrees to ca, 5% diss & frac fill subhedral pyrite in vuggy qtz-carbonate, 50% recovery in major fault zone at EOH

Valentine Mountain Project Drill Core Log and Sample Record

Date/Target:	**November, 2010 / Discovery Zone north - near 87-14**		**Pajari Test**	**Azimuth**	**Dip**	**Hole Number:**		**10-5**	
Location:	**UTM NAD83 Zone 10N 434524E 5374339N 800 m. elevation uncorrected**		**620 feet**	**199**	**-85**	**Collar Azimuth:**		**0**	
Total Length:	**750 feet = 228.6 metres**		**188.98 metres**	**199**	**-85**		**Collar Dip:**	**-90**	
Interval (m)	**Description**	**Rx**	**Sample No**	**From (m)**	**To (m)**	**Length (m)**	**Au g/t**	**Ag g/t**	**As ppm**
1.52	Overburden	casing		0.00	1.52	1.52			
3.81	Amphibolite	1	286232	1.52	5.33	3.81	0.005	0.04	1.2
1.31	Amphibolite	3	286233	5.33	6.64	1.31	0.005	0.03	1.3
1.58	Amphibolite	3	286234	6.64	8.23	1.58	0.004	0.03	1
0.85	Amphibolite	3	286235	8.23	9.08	0.85	0.006	0.04	0.4
1.58	Amphibolite	3	286236	9.08	10.67	1.58	0.002	0.03	0.4
1.62	Amphibolite	3	286237	10.67	12.28	1.62	0.002	0.03	0.3
1.52	Amphibolite	3	286238	12.28	13.81	1.52	0.002	0.03	0.7
1.43	Amphibolite	3	286239	13.81	15.24	1.43	0.001	0.02	0.6
19.51	Amphibolite	3		15.24	34.75	19.51			
1.58	Amphibolite	3	286240	34.75	36.33	1.58	0.065	0.1	2
1.62	Amphibolite	3	286241	36.33	37.95	1.62	0.018	0.05	1.2
1.62	Amphibolite	3	286242	37.95	39.56	1.62	0.009	0.09	2.8
5.49	Amphibolite	3		39.56	45.05	5.49			
1.95	Amphibolite	3	286243	45.05	47.00	1.95	0.009	0.04	1.2
0.64	Amphibolite	3	286244	47.00	47.64	0.64	0.01	0.02	1.5
1.58	Amphibolite	3	286245	47.64	49.23	1.58	0.021	0.27	1.5
7.10	Amphibolite	3		49.23	54.50	7.10			
3.41	Amphibolite	3	286246	54.50	56.33	3.41	0.012	0.08	1.8
3.17	Amphibolite	3	286247	56.33	57.91	3.17	0.023	0.08	1.5
3.05	Amphibolite	3	286248	57.91	59.50	3.05	0.004	0.06	1.1
3.14	Amphibolite	3	286249	59.50	60.96	3.14	0.015	0.06	1.5
6.64	Amphibolite	3	286250	60.96	62.64	6.64	0.002	0.05	3.2
4.97	Amphibolite	3		62.64	67.60	4.97			
1.46	Amphibolite	3	286251	67.60	69.07	1.46	0.003	0.04	3.3
0.27	Quartz Vein	6	286252	69.07	69.34	0.27	0.006	0.13	6.2
3.75	Quartz Diorite	5		69.34	73.09	3.75			
1.52	Amphibolite	3	286253	73.09	74.62	1.52	0.005	0.05	1.6
0.94	Amphibolite	3	286254	74.62	75.56	0.94	0.011	0.03	1.7
1.52	Amphibolite	3	286255	75.56	77.08	1.52	0.018	0.05	1
0.34	Quartz Vein	6	286256	77.08	77.42	0.34	0.037	0.08	1.2
1.77	Amphibolite	3	286257	77.42	79.19	1.77	0.027	0.12	1.4
1.28	Amphibolite	3	286258	79.19	80.47	1.28	0.14	0.06	1.1
1.65	Amphibolite	3	286259	80.47	82.11	1.65	0.074	0.06	1.7
22.37	Amphibolite	3		82.11	104.49	22.37			
1.52	Amphibolite	3	286260	104.49	106.01	1.52	0.016	0.08	1.9
1.55	Amphibolite	3	286261	106.01	107.56	1.55	0.003	0.06	2.9
1.34	Amphibolite	3	286262	107.56	108.91	1.34	0.007	0.07	3.3
1.43	Amphibolite	3	286263	108.91	110.34	1.43	0.023	0.06	1
1.52	Quartz Vein	6	286264	110.34	111.86	1.52	0.011	0.08	1.7
1.43	Amphibolite	3	286265	111.86	113.29	1.43	0.017	0.07	1
5.67	Amphibolite	3		113.29	118.96	5.67			
1.43	Amphibolite	3	286266	118.96	120.40	1.43	0.008	0.05	2.2
1.58	Amphibolite	3	286267	120.40	121.98	1.58	0.006	0.02	1
1.46	Amphibolite	3	286268	121.98	123.44	1.46	0.004	0.02	1.1
1.55	Amphibolite	3	286269	123.44	125.00	1.55	0.01	0.03	0.8
4.82	Amphibolite	3		125.00	129.81	4.82			
1.71	Amphibolite	3	286270	129.81	131.52	1.71	0.022	0.05	5.2
1.49	Amphibolite	3	286271	131.52	133.01	1.49	0.021	0.05	1.2
1.52	Amphibolite	3	286272	133.01	134.54	1.52	0.059	0.05	1.3
1.55	Amphibolite	3	286273	134.54	136.09	1.55	0.007	0.09	2.1
1.65	Amphibolite	3	286274	136.09	137.74	1.65	0.005	0.08	3.3
1.55	Amphibolite	3	286275	137.74	139.29	1.55	0.015	0.06	4.3
3.60	Amphibolite	3	286276	139.29	142.89	3.60	0.032	0.07	4.2
0.34	Quartz Vein	6	286277	142.89	143.23	0.34	0.004	0.16	18.6
1.55	Amphibolite	3	286278	143.23	144.78	1.55	0.003	0.08	14.1
1.55	Amphibolite	3	286279	144.78	146.33	1.55	0.002	0.11	19.3
1.49	Metapelite	1	286280	146.33	147.83	1.49	0.26	0.11	95.2
1.52	Metapelite	1	286281	147.83	149.35	1.52	0.27	0.16	444
1.52	Metapelite	1	286282	149.35	150.88	1.52	0.005	0.1	28.7
1.52	Metapelite	1	286283	150.88	152.40	1.52	0.001	0.15	71.2
1.37	Metapelite	1	286284	152.40	153.77	1.37	0.001	0.16	107.5
0.40	Quartz Vein	6	286285	153.77	154.17	0.40	0.011	0.13	79
0.94	Metapelite	1	286286	154.17	155.11	0.94	0.002	0.21	167
0.94	Quartz Vein	6	286287	155.11	156.06	0.94	0.008	0.17	520
0.79	Quartz Vein	6	286288	156.06	156.85	0.79	0.53	0.33	934
0.91	Quartz Vein	6	286289	156.85	157.76	0.91	0.023	0.05	65.1
1.13	Quartz Vein	6	286290	157.76	158.89	1.13	0.036	0.12	77.8
1.25	Quartz Vein	6	286291	158.89	160.14	1.25	0.013	0.27	1000
1.40	Metapelite	1	286292	160.14	161.54	1.40	0.012	0.22	1180
1.62	Metapelite	1	286293	161.54	163.16	1.62	0.001	0.2	101
2.50	Metapelite	1	286294	163.16	165.66	2.50	0.001	0.13	106.5
0.76	Metapelite	1	286295	165.66	166.42	0.76	0.001	0.1	9.9
1.19	Quartz Vein	6	286296	166.42	167.61	1.19	0.007	0.16	36.2
5.15	Metapelite	1		167.61	172.76	5.15			
2.01	Metapelite	1	286297	172.76	174.77	2.01	0.002	0.04	383
3.26	Metapelite	1		174.77	178.03	3.26			
1.80	Metapelite	1	286298	178.03	179.83	1.80	0.001	0.13	182.5
1.95	Metapelite	1	286299	179.83	181.78	1.95	<0.001	0.13	46
2.74	Metapelite	1	286300	181.78	184.53	2.74	0.001	0.12	77.3
10.09	Metapelite	1		184.53	194.61	10.09			
1.86	Metapelite	1	286301	194.61	196.47	1.86	0.001	0.16	25.5
1.65	Metapelite	1	286302	196.47	198.12	1.65	<0.001	0.18	40.8
1.65	Metapelite	1	286303	198.12	199.77	1.65	0.001	0.14	41.3
1.40	Metapelite	1	286304	199.77	201.17	1.40	0.001	0.15	63.8
1.34	Metapelite	1	286305	201.17	202.51	1.34	<0.001	0.16	64.9
0.88	Metapelite	1	286306	202.51	203.39	0.88	0.001	0.16	51.2
0.27	Quartz Vein	6	286307	203.39	203.67	0.27	0.001	0.16	52.8
2.01	Metapelite	1	286308	203.67	205.68	2.01	<0.001	0.14	105.5
1.49	Quartz Vein	6	286309	205.68	207.17	1.49	0.001	0.28	64
1.77	Metapelite	1	286310	207.17	208.94	1.77	0.001	0.15	49.2
1.52	Metapelite	1	286311	208.94	210.46	1.52	0.001	0.12	92.2
5.94	Metapelite	1		210.46	216.41	5.94			
1.71	Metapelite	1	286312	216.41	218.11	1.71	0.001	0.1	126.5
1.62	Metapelite	1	286313	218.11	219.73	1.62	0.001	0.14	205
1.52	Metapelite	1	286314	219.73	221.25	1.52	0.001	0.15	288
1.55	Metapelite	1	286315	221.25	222.81	1.55	0.002	0.24	2400
1.83	Metapelite	1	46332	222.81	224.64	1.83	<0.05		
1.92	Metapelite	1	46333	224.64	226.56	1.92	<0.05		
2.04	Metapelite	1		226.56	228.60	2.04			

VA10180753 - Finalized
CLIENT : "MILBAVE - Mill Bay Ventures"
# of SAMPLES : 178
DATE RECEIVED : 2010-12-02 DATE FINALIZED : 2010-12-18
PROJECT : "Valentine"
CERTIFICATE COMMENTS : "ME-MS41:Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g). "
PO NUMBER : "2"

	Au-TL44	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
SAMPLE	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co
DESCRIPT	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
286232	0.005	0.04	2.72	1.2	<0.2	<10	50	0.22	0.01	2.24	0.06	4.81	24.2
286233	0.005	0.03	2.64	1.3	<0.2	<10	70	0.19	0.01	2.96	0.06	3.1	20.8
286234	0.004	0.03	3.35	1	<0.2	<10	90	0.27	0.01	2.96	0.06	4	27.7
286235	0.006	0.04	2.4	0.4	<0.2	<10	70	0.11	<0.01	2.12	0.05	3.42	21.9
286236	0.002	0.03	2.14	0.4	<0.2	<10	50	0.23	<0.01	2.32	0.06	6.45	22.9
286237	0.002	0.03	1.39	0.3	<0.2	<10	20	0.17	0.01	1.91	0.03	5.96	16.9
286238	0.002	0.03	1.8	0.7	<0.2	<10	20	0.28	<0.01	2.08	0.05	6.61	19.7
286239	0.001	0.02	1.62	0.6	<0.2	<10	30	0.2	<0.01	1.84	0.03	5.56	17.6
286240	0.065	0.1	3.3	2	<0.2	<10	140	0.35	0.01	3.95	0.07	4.92	34.8
B-17	0.006	0.07	4.6	0.1	<0.2	<10	10	0.07	0.01	2.68	0.04	3.59	23.3
286241	0.018	0.05	3.33	1.2	<0.2	<10	90	0.4	<0.01	2.84	0.07	4.29	38.3
286242	0.009	0.09	3.54	2.8	<0.2	<10	190	0.33	0.03	2.51	0.06	2.78	33.2
286243	0.009	0.04	3.38	1.2	<0.2	<10	110	0.32	0.01	2.31	0.05	4.41	34.3
286244	0.01	0.02	3.08	1.5	<0.2	<10	90	0.27	<0.01	1.64	0.03	3.5	41.7
286245	0.021	0.27	2.32	1.5	<0.2	<10	70	0.18	0.01	1.81	0.11	5.64	40.5
286246	0.012	0.08	2.69	1.8	0.2	<10	110	0.2	0.01	1.64	0.04	2.98	39.5
286247	0.023	0.08	3.5	1.5	<0.2	<10	150	0.23	0.02	2.43	0.05	3.59	45.7
286248	0.004	0.06	2.39	1.1	<0.2	<10	110	0.18	0.02	2.35	0.06	3.06	28.1
286249	0.015	0.06	3.19	1.5	<0.2	<10	190	0.18	0.03	1.58	0.06	3.52	36.6
286250	0.002	0.05	3.22	3.2	<0.2	<10	100	0.17	0.02	2.58	0.06	2.32	23.2
286251	0.003	0.04	3.54	3.3	<0.2	<10	100	0.21	0.01	4.46	0.15	3.38	27.9
286252	0.006	0.13	4.12	6.2	<0.2	<10	500	0.28	0.03	1.49	0.06	4.64	32.5
286253	0.005	0.05	3.34	1.6	<0.2	<10	130	0.22	0.01	3.98	0.13	3.82	27.7
286254	0.011	0.03	2.65	1.7	<0.2	<10	120	0.14	<0.01	5.6	0.25	3.52	32.3
286255	0.018	0.05	2.85	1	<0.2	<10	130	0.15	<0.01	5.02	0.19	5.03	41.9
286256	0.037	0.08	0.59	1.2	<0.2	<10	20	0.07	<0.01	8.53	0.18	1.34	6.8
286257	0.027	0.12	2.43	1.4	<0.2	<10	70	0.17	<0.01	5.98	0.22	4.67	35.9
286258	0.113	0.06	2.33	1.1	<0.2	<10	60	0.14	<0.01	4.89	0.12	2.84	19.9
286259	0.074	0.06	2.85	1.7	<0.2	<10	120	0.15	0.01	3.45	0.1	2.99	26.4
286260	0.016	0.08	3.79	1.9	<0.2	<10	170	0.25	0.02	2.58	0.06	2.68	32.7
B-18	0.009	0.07	5.09	<0.1	<0.2	<10	10	0.06	0.01	2.77	0.03	7.36	26.9
286261	0.003	0.06	2.89	2.9	<0.2	<10	60	0.2	0.01	2.79	0.06	2.51	25.3
286262	0.007	0.07	3.36	3.3	<0.2	<10	140	0.22	0.02	3.27	0.08	3.3	31.3
286263	0.023	0.06	2.85	1	<0.2	<10	120	0.2	<0.01	1.79	0.06	3.44	28.6
286264	0.011	0.08	3.76	1.7	<0.2	<10	160	0.26	0.01	1.93	0.06	6	33.3
286265	0.017	0.07	3.57	1	<0.2	<10	170	0.23	<0.01	2.19	0.06	4.16	30.4
286266	0.008	0.05	2.38	2.2	<0.2	<10	90	0.18	<0.01	3.59	0.1	3.97	23.9
286267	0.006	0.02	1.71	1	<0.2	<10	60	0.14	<0.01	2.95	0.07	2.59	15.5
286268	0.004	0.02	2.4	1.1	<0.2	<10	120	0.26	<0.01	3.15	0.07	3.77	25.8
286269	0.01	0.03	1.8	0.8	<0.2	<10	110	0.14	<0.01	3.4	0.08	2.92	19.1
286270	0.022	0.05	3.57	5.2	<0.2	<10	140	0.32	0.01	4.25	0.09	6.85	28.6
286271	0.021	0.05	2.84	1.2	<0.2	<10	140	0.3	0.01	4.07	0.11	5.13	22.1
286272	0.059	0.05	2.92	1.3	<0.2	<10	120	0.29	0.01	4.74	0.12	6.31	20.5
286273	0.007	0.09	3.29	2.1	<0.2	<10	120	0.29	0.04	2.7	0.07	4.14	25.9
286274	0.005	0.08	6.7	3.3	<0.2	<10	160	0.85	0.06	4.07	0.1	5.84	31.7
286275	0.015	0.06	4.83	4.3	<0.2	<10	140	0.46	0.02	3.56	0.09	3.81	23.9
286276	0.032	0.07	4.32	4.2	<0.2	<10	150	0.51	0.02	3.22	0.08	5.8	25.5
286277	0.004	0.16	3.66	18.6	<0.2	<10	150	0.21	0.12	1.87	0.1	3.65	42.8
286278	0.003	0.08	3.65	14.1	<0.2	<10	140	0.18	0.03	1.28	0.05	5.27	34.3
286279	0.002	0.11	2.54	19.3	<0.2	<10	120	0.19	0.05	1.42	0.05	4.3	34.9
286280	0.256	0.11	3.7	95.2	<0.2	<10	290	0.34	0.1	1.65	0.05	12.65	28.5
B-19	0.004	0.06	4.61	0.1	<0.2	<10	10	0.08	0.01	2.61	0.03	5.22	29.1
286281	0.168	0.16	3.05	444	0.2	<10	430	0.22	0.85	0.34	0.05	18.6	19
286282	0.005	0.1	2.3	28.7	<0.2	<10	330	0.1	0.12	0.22	0.03	13.35	12.7
286283	0.001	0.15	2.79	71.2	<0.2	<10	360	0.17	0.22	0.24	0.04	18.7	14.5
286284	0.001	0.16	2.75	107.5	<0.2	<10	280	0.12	0.25	0.22	0.06	14.35	17.3
286285	0.011	0.13	2.49	79	<0.2	<10	240	0.18	0.21	0.62	0.05	12.05	10.8
286286	0.002	0.21	2.95	167	<0.2	<10	270	0.17	0.56	0.42	0.07	15.6	17
286287	0.008	0.17	2.24	520	<0.2	<10	190	0.17	1.1	0.34	0.05	15.05	12
286288	0.166	0.33	2.42	934	0.8	<10	200	0.18	4.6	0.38	0.08	13.75	15.4
286289	0.023	0.05	0.92	65.1	<0.2	<10	80	0.08	0.57	0.18	0.03	6.16	3.8
286290	0.036	0.12	1.23	77.8	<0.2	<10	120	0.07	1.03	0.16	0.04	8.31	6.2
286291	0.013	0.27	2.88	1000	<0.2	<10	260	0.27	2.49	0.6	0.08	22.1	16.6
286292	0.012	0.22	2.96	1180	<0.2	<10	370	0.16	1.49	0.41	0.07	15.15	18.9
286293	0.001	0.2	3.12	101	<0.2	<10	370	0.2	0.3	0.32	0.06	20.5	18.2
286294	0.001	0.13	3.28	106.5	<0.2	<10	480	0.2	0.21	0.45	0.06	14.25	18.3
286295	0.001	0.1	2.84	9.9	<0.2	<10	470	0.17	0.11	0.59	0.04	18.1	13.5
286296	0.007	0.16	2.41	36.2	<0.2	<10	300	0.2	0.24	0.9	0.05	17.2	14.3
286297	0.002	0.04	7.37	383	<0.2	<10	380	0.86	0.06	5.28	0.2	2.46	35.4
286298	0.001	0.13	3.27	182.5	<0.2	<10	610	0.12	0.28	0.26	0.05	18.15	21.1
286299	<0.001	0.13	3.31	46	<0.2	<10	570	0.14	0.25	0.3	0.05	22.2	19
286300	0.001	0.12	3	77.3	<0.2	<10	560	0.11	0.24	0.36	0.06	14.65	18
B-20	0.003	0.08	7.08	<0.1	<0.2	<10	10	0.07	0.01	3.68	0.03	2.9	27.2
286301	0.001	0.16	3.38	25.5	<0.2	<10	530	0.15	0.23	0.55	0.06	14.4	17.7
286302	<0.001	0.18	3.18	40.8	<0.2	<10	540	0.17	0.29	0.39	0.07	19.65	18.9
286303	0.001	0.14	3.03	41.3	<0.2	<10	460	0.1	0.22	0.39	0.06	15.35	19.2
286304	0.001	0.15	3	63.8	<0.2	<10	360	0.2	0.25	0.59	0.08	17.8	17.6
286305	<0.001	0.16	2.89	64.9	<0.2	<10	440	0.15	0.37	0.4	0.06	16.75	17.7
286306	0.001	0.16	3.1	51.2	<0.2	<10	430	0.15	0.34	0.41	0.07	21.7	18.1
286307	0.001	0.16	2.78	52.8	<0.2	<10	430	0.12	0.26	0.37	0.06	16.75	16.2
286308	<0.001	0.14	3.2	105.5	<0.2	<10	560	0.16	0.21	0.33	0.06	20.3	19
286309	0.001	0.28	2.73	64	<0.2	<10	430	0.21	0.33	0.64	0.11	14.9	16.6
286310	0.001	0.15	2.84	49.2	<0.2	<10	370	0.22	0.24	0.95	0.07	19.05	17.5
286311	0.001	0.12	2.91	92.2	<0.2	<10	440	0.14	0.17	0.29	0.05	17.15	18
286312	0.001	0.1	2.81	126.5	<0.2	<10	340	0.08	0.14	0.33	0.05	17.15	16.5
286313	0.001	0.14	2.95	205	<0.2	<10	430	0.17	0.21	0.32	0.06	17	19.1
286314	0.001	0.15	3.24	288	<0.2	<10	440	0.2	0.23	0.45	0.07	20.2	19
286315	0.002	0.24	4.07	2400	<0.2	<10	530	0.3	1.6	0.81	0.1	16.95	23.2

	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
SAMPLE	Cr	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg
DESCRIPT	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%
286232	124	1.53	47.9	3.35	7.83	0.15	0.1	<0.01	0.025	0.5	1.9	46.8	2.08
286233	100	1.52	44.7	2.72	6.7	0.13	0.08	<0.01	0.017	0.52	1.2	40.2	1.63
286234	135	1.89	40.7	3.64	8.95	0.15	0.09	<0.01	0.023	0.64	1.5	62.2	2.21
286235	117	1.7	47.5	2.79	6.97	0.11	0.05	<0.01	0.017	0.53	1.3	50.5	1.87
286236	122	1.51	57.7	3.04	7.23	0.14	0.1	<0.01	0.025	0.5	2.4	45	1.95
286237	52	0.39	54.7	2.21	4.96	0.12	0.12	<0.01	0.02	0.15	2.1	19	1.08
286238	73	0.8	50.5	2.76	6.77	0.14	0.13	<0.01	0.031	0.24	2.4	24.2	1.46
286239	68	0.74	49.4	2.4	5.93	0.11	0.09	<0.01	0.023	0.24	2	27.8	1.4
286240	132	2.49	48.2	5.38	10.9	0.2	0.1	<0.01	0.04	1.18	1.9	69.8	1.68
B-17	55	<0.05	223	3.59	7.74	0.09	0.12	<0.01	0.008	0.02	1.3	1.3	1.4
286241	197	2.17	54.5	5.72	10.85	0.25	0.11	<0.01	0.03	0.96	1.5	70.3	1.98
286242	171	2.47	73.8	4.82	10.9	0.2	0.07	0.04	0.027	1.34	1.1	55.8	1.63
286243	219	1.81	76.4	5.3	11.8	0.2	0.08	<0.01	0.034	0.92	1.7	60.9	1.89
286244	273	2.32	56.7	6.57	12.45	0.25	0.06	<0.01	0.031	1.28	1.4	106	2.23
286245	252	1.74	60.4	6.43	10.65	0.2	0.08	<0.01	0.035	0.95	2.2	71.7	1.63
286246	262	2.03	81.6	5.47	10.4	0.19	0.05	<0.01	0.029	1.2	1.2	64.3	1.25
286247	254	2.05	74.3	5.63	11.9	0.2	0.07	<0.01	0.038	1.32	1.4	53.9	1.39
286248	138	1.33	54.8	3.68	7.88	0.16	0.06	<0.01	0.027	0.82	1.1	35.6	1.21
286249	208	2.84	92.9	5.27	10.95	0.2	0.06	<0.01	0.037	1.6	1.3	60.1	1.72
286250	121	1.46	47.2	3.42	9.53	0.17	0.07	<0.01	0.027	0.89	0.8	40.6	1.29
286251	134	1.3	69.3	4.13	11.55	0.2	0.13	<0.01	0.028	0.73	1.2	42.8	1.34
286252	142	5	402	7.15	14.3	0.17	0.03	<0.01	0.025	2.5	2.2	89.9	2.3
286253	143	1.61	42.1	4.08	9.87	0.15	0.08	<0.01	0.032	0.88	1.5	52.8	1.77
286254	168	2.34	35.7	4.93	10.4	0.15	0.05	<0.01	0.032	1.19	1.3	80.7	1.68
286255	207	3.14	43.3	6.24	11.05	0.16	0.07	<0.01	0.035	1.53	1.9	102.5	1.71
286256	41	0.31	100	1.78	3.11	0.11	0.04	<0.01	0.008	0.14	0.5	12.1	0.21
286257	193	1.43	43.1	5.67	10.05	0.16	0.09	<0.01	0.032	0.79	1.7	83.1	1.54
286258	110	1.25	43.6	2.79	6.89	0.11	0.07	<0.01	0.018	0.62	1	50.5	1.27
286259	163	2.08	40.6	3.73	8.78	0.13	0.07	<0.01	0.02	1.19	1.1	66.5	1.55
286260	188	2.05	60.9	4.37	10.65	0.14	0.06	<0.01	0.027	1.25	1.3	54.7	1.37
B-18	56	<0.05	268	3.7	8.53	0.11	0.14	<0.01	0.009	0.03	3.1	1.4	1.97
286261	155	1.04	11.8	3.11	8.2	0.14	0.06	<0.01	0.019	0.48	1	49.5	1.48
286262	182	1.89	64.6	4.26	9.96	0.17	0.07	<0.01	0.028	0.93	1.6	46.6	1.31
286263	121	1.57	47.2	3.92	9.68	0.2	0.05	<0.01	0.027	0.94	1.4	55.3	1.22
286264	92	2.07	54.3	5.37	12.85	0.28	0.05	<0.01	0.045	1.22	2.6	75	1.62
286265	113	2.03	48.6	4.59	12.45	0.27	0.05	<0.01	0.034	1.14	1.9	82.6	1.52
286266	124	3.76	38.9	3.65	7.4	0.15	0.1	<0.01	0.022	0.65	1.5	60.5	1.63
286267	75	3.36	46.8	2.29	5.02	0.1	0.09	<0.01	0.014	0.49	1	68.9	1.18
286268	118	6.78	38.1	3.69	7.3	0.15	0.13	<0.01	0.018	0.94	1.5	104	1.63
286269	88	4.09	44.6	2.73	5.62	0.11	0.08	<0.01	0.017	0.64	1.2	56.8	1.17
286270	108	3.84	31.1	5.16	12.9	0.17	0.07	<0.01	0.039	1.19	2.9	84.9	1.99
286271	71	2.59	28.6	3.76	10	0.2	0.07	<0.01	0.032	1.02	2.2	79	1.44
286272	71	2.48	26.3	3.61	10.35	0.21	0.1	<0.01	0.037	0.9	2.5	61.2	1.52
286273	76	2.22	54.3	3.83	10.4	0.22	0.05	0.01	0.028	0.96	1.8	58.8	1.4
286274	93	2.62	53.8	4.87	16.3	0.22	0.08	0.03	0.041	1.14	2.5	67.9	1.78
286275	75	2.31	25.9	3.95	13.25	0.22	0.06	<0.01	0.034	0.97	1.7	59.8	1.6
286276	86	3.45	33.5	4.2	12.9	0.22	0.07	<0.01	0.036	1.11	2.4	56.6	1.75
286277	176	3.42	169.5	6.03	13	0.19	0.04	<0.01	0.033	0.93	1.6	67.5	2.13
286278	186	3.8	32.2	4.79	12.55	0.22	0.05	<0.01	0.032	1.27	2.2	75.9	2.58
286279	135	2.47	85.6	3.82	8.77	0.18	0.05	<0.01	0.026	0.76	1.9	44.2	1.33
286280	127	3.36	65.2	4.27	11.9	0.11	0.05	<0.01	0.038	1.16	6.1	65.4	1.67
B-19	57	0.05	157.5	4.03	8.74	0.1	0.22	<0.01	0.011	0.03	1.9	1.8	1.44
286281	68	4.56	44.1	4.16	12.25	0.11	0.03	<0.01	0.041	1.61	9.1	75.6	1.58
286282	51	3.01	23.6	3.04	9.5	0.09	0.02	<0.01	0.031	1.24	6.6	53.7	1.29
286283	56	4.34	53.4	3.88	8.82	0.08	0.02	0.01	0.035	1.44	9.5	38.8	1.38
286284	51	4.59	49.5	4.07	8.46	0.08	0.02	0.01	0.032	1.43	7	38.9	1.45
286285	36	2.11	29.2	2.55	6.99	0.06	0.02	0.01	0.026	0.81	6.1	21.4	0.96
286286	67	3.92	67.2	4.66	9.68	0.09	0.02	0.01	0.032	1.27	7.5	39.5	1.57
286287	45	2.28	66.6	3.41	7.29	0.07	0.02	0.01	0.021	0.81	7.3	25.9	1.06
286288	50	3.43	48.3	3.44	7.69	0.08	0.02	0.02	0.025	1.08	6.6	27.4	1.16
286289	27	1.11	18.2	1.41	2.63	<0.05	<0.02	<0.01	0.01	0.39	3	8	0.37
286290	32	1.78	44.1	2.15	3.8	0.05	<0.02	<0.01	0.014	0.61	4	11.9	0.58
286291	68	3.37	85.3	4.16	8.41	0.08	0.03	<0.01	0.033	1.23	10.8	28.1	1.29
286292	75	4.35	75.9	4.53	9.19	0.11	0.02	0.03	0.045	1.59	7.4	34.5	1.55
286293	68	3.96	62.9	4.65	9.36	0.1	0.03	<0.01	0.044	1.56	10	36.7	1.6
286294	106	3.92	48.3	4.19	11.1	0.13	0.02	0.01	0.054	1.54	7.1	46.1	1.75
286295	71	2.87	30.5	3.4	11.55	0.11	0.02	<0.01	0.039	1.26	9.2	43.9	1.44
286296	109	2.34	23.5	3.39	9.62	0.09	0.02	<0.01	0.035	0.98	8.9	38.2	1.5
286297	150	1.74	25.3	3.26	13.75	0.17	0.08	0.01	0.026	0.74	1	24.4	1.92
286298	120	5.24	56.6	4.52	10.65	0.12	0.02	<0.01	0.059	1.89	9.2	46.6	1.81
286299	107	4.97	55.1	4.52	9.36	0.11	0.03	0.02	0.055	1.86	11.1	40	1.76
286300	102	4.76	46.8	4.05	9.23	0.13	0.02	0.01	0.052	1.68	7.3	35.7	1.6
B-20	68	<0.05	207	3.27	10.15	0.11	0.09	<0.01	0.008	0.03	1.2	1.2	2.07
286301	105	4.39	61	4.17	10.15	0.13	0.02	<0.01	0.05	1.58	7.1	32.4	1.68
286302	108	4.74	68.1	4.34	9.26	0.14	0.02	0.02	0.055	1.67	9.7	29.5	1.69
286303	95	4.29	54.5	4.25	9.58	0.12	0.02	<0.01	0.049	1.38	7.5	31.5	1.72
286304	90	3.79	53.8	4.2	9.32	0.11	0.02	0.01	0.043	1.2	8.9	29.6	1.59
286305	92	4.41	58.8	4.2	8.62	0.11	0.02	0.01	0.043	1.43	8.3	26.8	1.61
286306	90	4.42	62.1	4.39	8.5	0.11	0.02	0.01	0.049	1.48	11	26.5	1.69
286307	87	4.23	58.7	4.02	8	0.12	0.02	<0.01	0.05	1.43	8.4	24.3	1.56
286308	104	4.7	53.8	4.57	8.96	0.11	0.02	0.01	0.056	1.64	10.2	31.2	1.79
286309	94	3.91	54.5	3.73	9.07	0.11	0.02	0.01	0.044	1.25	7.3	28.1	1.43
286310	82	3.89	56.8	4.02	8.55	0.12	0.02	<0.01	0.046	1.21	9.6	32.4	1.51
286311	90	4.88	44.1	4	8.5	0.12	0.02	0.01	0.047	1.46	8.7	27.5	1.58
286312	144	3.64	33.4	3.79	9.09	0.11	0.02	0.01	0.044	1.13	8.7	27.4	1.63
286313	96	5.07	54.9	4.28	9.54	0.13	0.02	<0.01	0.048	1.46	8.4	32.9	1.67
286314	95	4.69	60.5	4.5	10.25	0.11	0.02	0.01	0.051	1.45	10	35.6	1.74
286315	140	5.82	73.6	4.86	12.85	0.15	0.02	<0.01	0.063	1.84	8.4	34.9	1.91

	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
SAMPLE	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se
DESCRIPT	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
286232	417	0.17	0.28	0.52	79.5	1400	0.3	14.5	<0.001	0.05	0.16	11.4	0.4
286233	395	0.07	0.2	0.51	65.2	1390	0.3	14.6	<0.001	0.05	0.14	8.5	0.3
286234	443	0.08	0.26	0.5	86.5	1400	0.4	17.3	<0.001	0.06	0.14	11.7	0.3
286235	333	0.49	0.18	0.38	72.6	1550	0.2	14.7	<0.001	0.09	0.1	7.3	0.3
286236	386	0.88	0.28	0.41	63.2	1650	0.2	12.7	0.001	0.18	0.15	10.7	0.4
286237	295	3.24	0.22	1.14	30.2	1580	<0.2	4	0.001	0.25	0.27	8.6	0.4
286238	354	1.47	0.31	0.6	38.1	1560	<0.2	7.3	0.001	0.18	0.27	12.1	0.4
286239	306	0.96	0.22	0.33	43.5	1430	<0.2	8	<0.001	0.13	0.16	9.5	0.4
286240	740	0.18	0.23	0.64	77.2	1630	0.8	34.8	<0.001	0.1	0.23	15.9	0.4
B-17	349	0.16	0.51	0.13	77.5	330	<0.2	0.3	0.001	0.09	<0.05	3.2	0.5
286241	657	0.07	0.33	0.68	108.5	1500	0.4	26.8	<0.001	0.07	0.14	15.8	0.4
286242	506	0.83	0.26	0.38	97.3	1870	0.4	43	0.001	0.24	0.12	13.2	0.5
286243	556	0.1	0.34	0.39	105.5	1960	0.3	31.1	<0.001	0.05	0.08	16.1	0.3
286244	530	<0.05	0.23	0.38	138	2420	0.3	36.4	<0.001	0.05	0.07	13.5	0.3
286245	567	0.05	0.23	0.51	123	2200	0.2	30.1	<0.001	0.04	0.09	14.8	0.3
286246	454	<0.05	0.18	0.46	111.5	2810	0.2	37.4	<0.001	0.12	0.06	14.4	0.3
286247	636	0.05	0.31	0.37	121	2520	0.4	40.4	<0.001	0.41	0.06	18.4	0.7
286248	498	0.15	0.23	0.25	83.7	1620	0.3	26.1	<0.001	0.24	0.05	12.1	0.5
286249	484	0.16	0.25	0.28	108	2010	0.3	50.5	<0.001	0.35	0.05	16.2	0.7
286250	443	0.06	0.29	0.25	76.3	1490	0.5	30.9	<0.001	0.21	0.05	9.3	0.5
286251	672	0.47	0.33	0.66	102.5	1880	1.2	24.8	<0.001	0.14	0.07	10.7	0.6
286252	953	59.7	0.14	1	74.1	4210	1.1	82.3	0.008	0.71	0.05	19.8	1
286253	594	0.51	0.3	0.37	101	1540	0.9	26.6	<0.001	0.07	0.08	11.7	0.4
286254	728	0.11	0.21	0.27	108	1870	0.4	33.9	<0.001	0.08	0.09	11.8	0.4
286255	791	0.73	0.19	0.42	145	2060	0.3	44.6	<0.001	0.04	0.12	14.5	0.3
286256	1080	0.31	0.07	0.71	24.7	840	0.7	4.2	<0.001	0.1	0.41	3.2	0.3
286257	741	0.05	0.19	0.58	117	1910	0.4	22.4	<0.001	0.05	0.17	14	0.3
286258	522	0.12	0.21	0.35	72.6	1490	0.3	19.1	<0.001	0.05	0.08	7.3	0.3
286259	547	1.83	0.22	0.35	89.3	1650	0.3	34.5	<0.001	0.37	0.07	9.8	0.6
286260	506	0.12	0.3	0.38	92	2320	0.5	38.8	<0.001	0.38	0.05	14.5	0.7
B-18	439	0.21	0.51	0.13	105.5	460	<0.2	0.5	0.001	0.07	<0.05	3.5	0.5
286261	466	0.1	0.24	0.29	80.1	1950	0.7	15.3	<0.001	0.05	0.06	10.2	0.3
286262	597	0.31	0.31	0.39	83.8	2510	0.5	28.7	<0.001	0.31	0.06	15.4	0.8
286263	462	0.85	0.24	0.3	76.9	1870	0.4	26.5	0.001	0.13	0.05	10.5	0.4
286264	524	0.37	0.3	0.47	86	2890	0.6	34.5	<0.001	0.51	0.06	12.1	1
286265	453	0.96	0.25	0.43	82.4	3170	0.6	32.6	<0.001	0.18	0.05	11	0.5
286266	634	0.11	0.22	0.48	75.2	1750	0.4	21	<0.001	0.05	0.25	10.5	0.3
286267	432	0.07	0.2	0.6	49.2	1580	0.2	14.7	<0.001	0.03	0.24	6.7	0.2
286268	553	0.09	0.24	0.61	75.5	1720	0.2	28.5	<0.001	0.03	0.28	9.1	0.3
286269	553	0.07	0.17	0.61	55.9	1630	0.2	20	<0.001	0.04	0.19	7.2	0.3
286270	747	0.14	0.23	0.48	77	2990	0.7	42.4	<0.001	0.03	0.13	13.2	0.4
286271	613	0.15	0.24	0.51	58.6	2870	0.5	35.8	<0.001	0.05	0.07	9.2	0.3
286272	633	0.24	0.28	0.62	54.2	2130	0.7	34.7	<0.001	0.04	0.07	9.3	0.4
286273	406	2.37	0.27	0.51	75.9	2930	1.1	35.3	0.001	0.31	0.06	8.6	0.6
286274	491	0.6	0.5	0.58	91.7	3070	4.3	37.2	0.001	0.44	0.05	11.2	0.8
286275	452	0.12	0.33	0.45	62.3	2730	2	33.8	<0.001	0.1	0.06	9.6	0.4
286276	475	0.4	0.33	0.49	67.4	2280	1.5	41	<0.001	0.06	0.06	10	0.4
286277	462	0.22	0.17	0.47	140.5	2680	2.2	39.7	<0.001	0.97	0.05	12.7	1.2
286278	440	0.25	0.21	0.39	112.5	2220	1.1	50.6	<0.001	0.13	<0.05	11.1	0.4
286279	309	0.3	0.21	0.37	99.1	2320	1	31.2	<0.001	0.48	<0.05	8.8	0.8
286280	490	3.14	0.26	0.37	80.3	1660	2.2	47.9	0.001	0.53	0.07	10.9	0.6
B-19	420	0.13	0.52	0.17	54.2	440	<0.2	0.6	<0.001	0.09	<0.05	4.3	0.5
286281	599	1.76	0.17	0.36	35.9	650	2.1	75.4	0.001	0.37	0.05	13.3	0.6
286282	445	0.83	0.11	0.23	23.8	620	1	50.6	0.001	0.21	<0.05	9.8	0.3
286283	374	1.43	0.09	0.32	37.7	700	2.8	67.6	0.002	0.37	<0.05	8.9	0.6
286284	391	1.25	0.06	0.31	40.5	750	1.6	72.2	0.002	0.4	<0.05	7.8	0.6
286285	332	0.78	0.2	0.23	19.3	580	1.8	31.3	0.001	0.25	<0.05	7.3	0.4
286286	518	3.22	0.07	0.4	45.8	800	2.3	62.6	0.002	0.63	<0.05	10.4	0.9
286287	384	1.14	0.08	0.28	34.1	520	2	37.6	0.002	0.53	0.06	6.4	0.7
286288	379	2.62	0.11	0.26	35.7	710	2.2	55.1	0.003	0.39	0.06	9.7	0.7
286289	163	0.37	0.08	0.19	12.5	170	1.7	22	<0.001	0.14	<0.05	3.3	0.2
286290	205	0.49	0.06	0.25	19.4	190	1.5	35.7	0.001	0.38	<0.05	4.5	0.5
286291	420	1.79	0.16	0.36	51	690	4.5	56.3	0.002	0.71	0.1	11.1	1.1
286292	447	1.39	0.08	0.32	52	830	3	71.5	0.002	0.62	0.08	13.8	1
286293	475	1.29	0.09	0.38	48	880	2.9	61.8	0.002	0.59	<0.05	12.2	0.8
286294	480	0.98	0.14	0.32	55	770	2.1	57.5	0.001	0.3	<0.05	15.8	0.6
286295	432	0.56	0.2	0.27	28.4	630	2.4	43.9	0.001	0.24	<0.05	11.8	0.4
286296	504	0.77	0.08	0.25	47.7	630	18	34.4	<0.001	0.2	0.07	10.2	0.5
286297	731	0.34	0.35	0.35	53.7	390	5.1	41	0.001	0.14	0.06	13.4	0.4
286298	524	1.11	0.11	0.34	73	840	1.9	76	0.001	0.34	<0.05	16.8	0.8
286299	542	1.21	0.13	0.35	63.6	970	2.1	73.1	0.001	0.32	<0.05	15.9	0.7
286300	443	1	0.1	0.3	57.9	850	1.7	66.4	0.001	0.26	<0.05	15.3	0.6
B-20	452	0.18	0.63	0.11	106.5	220	<0.2	0.6	0.001	0.07	<0.05	3.4	0.4
286301	451	1.07	0.15	0.34	58.4	860	2.1	60	0.001	0.45	<0.05	15.9	0.8
286302	497	1.12	0.15	0.41	63.1	940	2.4	61.9	0.001	0.44	<0.05	16.6	0.8
286303	495	1.09	0.08	0.37	60.1	820	2.4	53.3	0.001	0.3	<0.05	14.4	0.6
286304	530	1.01	0.1	0.37	55.7	940	3.4	47.6	0.001	0.38	<0.05	12.9	0.7
286305	488	1.03	0.08	0.34	57.4	930	2.4	55.7	0.002	0.38	<0.05	14	0.7
286306	536	1.1	0.09	0.34	60.1	850	2.7	57.8	0.001	0.4	<0.05	13.5	0.7
286307	471	0.98	0.08	0.35	51.7	780	2.5	53.8	0.001	0.38	<0.05	13.4	0.7
286308	522	1.14	0.1	0.38	64.6	850	2.4	61.9	0.001	0.35	<0.05	15.4	0.7
286309	419	0.93	0.1	0.28	54.4	900	3.2	49.5	0.001	0.42	<0.05	13.2	0.7
286310	575	0.96	0.08	0.32	53.8	750	2.9	47.9	0.001	0.3	0.13	12.5	0.7
286311	465	0.99	0.08	0.35	56.1	870	1.8	59.7	0.002	0.27	<0.05	13.9	0.5
286312	491	0.82	0.09	0.33	57.8	730	1.4	43.8	0.001	0.2	<0.05	14.7	0.4
286313	489	1.08	0.08	0.43	61.3	950	2	63.9	0.001	0.35	<0.05	15.3	0.8
286314	545	1.25	0.1	0.43	61.8	880	2.5	58.7	0.001	0.38	<0.05	14.8	0.8
286315	498	1.28	0.23	0.41	72.5	960	3.3	72.4	0.001	0.71	0.12	18.8	1.6

	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
SAMPLE	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr
DESCRIPT	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
286232	0.6	42.5	0.01	<0.01	0.2	0.367	0.09	0.06	100	0.36	11.3	49	2.1
286233	0.4	75.1	0.01	0.01	<0.2	0.314	0.09	<0.05	74	0.33	7.51	45	1.8
286234	0.5	91.4	0.02	<0.01	0.2	0.354	0.1	0.05	99	0.36	9.57	59	1.8
286235	0.4	47.7	0.01	0.01	<0.2	0.262	0.08	<0.05	76	0.35	7.52	40	1.1
286236	0.6	23.3	0.01	<0.01	0.2	0.31	0.06	0.07	98	0.31	12.05	39	1.9
286237	0.5	19.8	0.01	0.01	0.2	0.318	0.02	0.06	75	0.34	11.6	24	2.1
286238	0.6	13.8	0.01	<0.01	0.3	0.273	0.04	0.07	106	0.26	14.4	32	2.1
286239	0.5	22.5	0.01	<0.01	0.2	0.212	0.04	0.05	86	0.23	12	28	1.5
286240	0.7	113	0.02	0.01	0.2	0.501	0.18	0.07	136	0.67	10.8	110	2.1
B-17	0.2	45	<0.01	0.03	<0.2	0.206	<0.02	<0.05	92	<0.05	7.65	24	3.3
286241	0.8	37.5	0.02	<0.01	<0.2	0.483	0.13	0.06	157	0.73	11.3	105	2.2
286242	0.6	66.4	0.01	0.02	<0.2	0.418	0.25	<0.05	138	37.7	10.15	83	1.3
286243	0.8	66.1	0.01	0.01	<0.2	0.368	0.22	0.06	152	1.59	13.7	88	1.7
286244	0.8	27.3	0.01	<0.01	<0.2	0.334	0.24	<0.05	180	0.54	12.95	126	1.2
286245	0.7	25	0.01	<0.01	0.2	0.381	0.2	0.08	176	0.45	12.85	120	1.6
286246	0.7	33.3	<0.01	0.01	<0.2	0.364	0.23	<0.05	152	0.66	12.4	104	1
286247	0.9	45	0.01	0.04	<0.2	0.372	0.28	<0.05	151	0.66	13.75	109	1.2
286248	0.6	29.6	<0.01	0.02	<0.2	0.292	0.18	<0.05	102	0.46	9.74	61	1.1
286249	0.8	24	0.01	0.04	<0.2	0.378	0.35	<0.05	148	0.34	10.15	97	1.4
286250	0.5	81.9	0.01	0.03	<0.2	0.317	0.19	<0.05	95	0.37	7.57	56	1.4
286251	0.9	149.5	0.02	0.02	<0.2	0.506	0.14	0.06	116	0.78	9.18	66	2.6
286252	0.6	79.5	0.01	0.09	0.3	0.59	0.69	0.16	141	0.53	5.81	111	0.8
286253	0.7	91.2	0.01	0.02	<0.2	0.373	0.16	0.05	118	0.81	9.7	74	2.4
286254	0.7	64	0.01	0.01	<0.2	0.278	0.19	<0.05	144	0.36	12.7	85	1.2
286255	0.8	37.3	0.01	0.01	<0.2	0.423	0.25	0.06	174	0.43	11.85	101	1.2
286256	0.2	165.5	<0.01	0.01	<0.2	0.14	0.03	<0.05	54	0.2	4.19	13	0.8
286257	0.8	58.4	0.02	0.01	<0.2	0.406	0.12	0.06	151	0.62	11.7	92	3
286258	0.4	108.5	0.01	0.01	<0.2	0.293	0.09	<0.05	89	0.42	8.16	44	1.2
286259	0.6	70.3	0.01	0.02	<0.2	0.379	0.17	<0.05	107	0.91	7.43	62	1.6
286260	0.7	105	0.01	0.02	<0.2	0.326	0.26	<0.05	111	0.43	9.67	81	1.2
B-18	0.2	48.2	0.01	0.09	<0.2	0.2	<0.02	<0.05	95	<0.05	9.22	35	4.1
286261	0.4	91	0.01	0.02	<0.2	0.262	0.1	<0.05	92	0.53	8.58	62	1.6
286262	0.6	102.5	0.01	0.04	<0.2	0.322	0.19	<0.05	123	0.39	11.1	81	1.4
286263	0.7	71	0.01	0.02	<0.2	0.256	0.17	<0.05	99	0.35	8.72	96	1.2
286264	1.1	116.5	0.01	0.04	0.2	0.292	0.21	0.05	136	0.39	13.7	119	1.4
286265	0.8	147.5	0.01	0.01	0.2	0.246	0.2	<0.05	131	0.58	11.55	111	1.2
286266	0.5	47.4	0.01	0.01	<0.2	0.345	0.15	0.05	111	0.28	8.95	58	2.2
286267	0.4	45	0.01	<0.01	<0.2	0.29	0.08	<0.05	72	0.2	6.81	36	2.2
286268	0.5	45.4	0.01	<0.01	<0.2	0.458	0.17	0.05	111	0.63	9.24	62	2.9
286269	0.4	42.7	0.01	<0.01	<0.2	0.332	0.11	<0.05	84	0.34	7.26	45	1.7
286270	0.9	116.5	0.01	0.01	0.3	0.272	0.21	0.05	153	0.44	15.6	93	1.4
286271	0.8	139.5	0.01	0.01	0.2	0.244	0.15	<0.05	103	0.4	13.9	76	1.3
286272	0.8	274	0.02	0.01	0.3	0.342	0.13	0.06	100	0.62	12.25	67	2.1
286273	0.7	352	0.01	0.03	0.2	0.258	0.14	<0.05	102	7.5	10.45	78	1.8
286274	0.9	1050	0.02	0.07	0.2	0.301	0.16	<0.05	127	20.9	12.3	100	1.7
286275	0.7	586	0.01	0.01	0.2	0.249	0.14	<0.05	104	0.42	9.28	84	1.8
286276	0.9	311	0.01	0.01	0.2	0.324	0.2	0.05	108	0.5	11.4	82	2.2
286277	0.5	175	0.01	0.15	<0.2	0.234	0.24	<0.05	156	0.9	10.85	116	1.2
286278	0.7	77.2	0.01	0.02	0.2	0.274	0.27	<0.05	131	0.27	11	104	1.6
286279	0.6	101.5	0.01	0.07	0.2	0.194	0.18	<0.05	103	0.33	9.23	89	1
286280	0.8	233	0.01	0.06	1.6	0.208	0.29	0.25	117	2.18	7.96	103	1
B-19	0.2	47.4	0.01	0.04	<0.2	0.272	<0.02	<0.05	116	<0.05	10.1	35	6.8
286281	1.1	34.4	0.01	0.37	3.6	0.222	0.45	0.45	140	1.47	4.69	93	0.5
286282	0.8	11.8	<0.01	0.04	2.2	0.186	0.28	0.34	96	0.65	3.44	67	0.5
286283	0.8	14.3	<0.01	0.07	3.7	0.204	0.43	0.57	105	0.31	3.97	29	0.6
286284	0.7	19.7	<0.01	0.07	2.6	0.198	0.47	0.39	98	2.37	3.61	21	<0.5
286285	0.6	39	<0.01	0.06	1.8	0.142	0.21	0.26	73	0.22	3.27	20	<0.5
286286	0.7	17.7	0.01	0.16	5	0.198	0.43	0.44	122	1.17	4.36	44	<0.5
286287	0.5	21.1	0.01	0.32	5	0.121	0.27	0.45	79	6.67	4.03	44	<0.5
286288	0.6	21.6	<0.01	0.91	4.3	0.155	0.38	0.4	102	10.35	4.34	18	<0.5
286289	0.2	16.2	<0.01	0.11	1.7	0.069	0.13	0.19	35	0.96	1.36	6	<0.5
286290	0.3	22.4	<0.01	0.17	2.3	0.095	0.2	0.22	53	0.28	1.44	8	<0.5
286291	0.7	59.4	0.01	0.66	5.9	0.171	0.37	0.55	114	3.73	4.65	18	0.5
286292	0.9	21.6	<0.01	0.54	3	0.206	0.44	0.36	132	17.6	3.9	22	<0.5
286293	0.9	23	0.01	0.1	3.7	0.216	0.38	0.51	124	3.9	4.45	24	<0.5
286294	1.2	30.6	<0.01	0.08	2.6	0.223	0.36	0.39	145	0.69	4.5	59	<0.5
286295	0.9	33.3	<0.01	0.03	3	0.188	0.27	0.39	116	0.27	4.41	76	<0.5
286296	0.8	17.1	<0.01	0.04	3.5	0.138	0.25	0.52	94	0.22	5.47	77	<0.5
286297	0.9	530	0.01	0.06	0.3	0.274	0.28	0.1	95	0.58	8.87	65	1.5
286298	1.3	9.5	0.01	0.09	3.1	0.257	0.48	0.47	152	0.17	4.72	37	<0.5
286299	1.3	13.3	0.01	0.06	3.7	0.263	0.47	0.54	147	3.73	5.14	22	<0.5
286300	1.3	15.3	<0.01	0.07	2.8	0.233	0.43	0.41	141	2.99	4.61	26	<0.5
B-20	<0.2	59.2	<0.01	0.02	<0.2	0.152	<0.02	<0.05	68	<0.05	5.48	35	2.5
286301	1.2	26.1	0.01	0.08	3.1	0.222	0.39	0.47	147	0.55	4.68	54	<0.5
286302	1.4	18.2	0.01	0.08	4.2	0.248	0.41	0.61	151	4.6	5.79	27	0.6
286303	1.1	9.4	0.01	0.07	4.2	0.215	0.37	0.52	138	0.21	5.38	37	<0.5
286304	0.9	16.8	0.01	0.07	4.6	0.196	0.33	0.72	127	3.68	5.94	60	<0.5
286305	1.1	10.6	<0.01	0.1	3.2	0.212	0.37	0.43	132	4.68	5.02	26	<0.5
286306	1.1	13.4	0.01	0.1	3.8	0.217	0.38	0.57	130	0.3	4.84	21	<0.5
286307	1.2	10.7	<0.01	0.08	3.1	0.208	0.37	0.46	128	0.26	4.55	21	<0.5
286308	1.4	12	0.01	0.08	4.4	0.243	0.42	0.59	149	0.24	5.37	20	<0.5
286309	0.9	20.8	<0.01	0.11	3.4	0.174	0.33	0.54	127	0.14	5.37	48	<0.5
286310	0.9	24.8	0.01	0.09	4.2	0.18	0.34	0.48	121	0.15	5.17	32	<0.5
286311	1.1	12.1	0.01	0.08	3.6	0.219	0.4	0.46	133	1.43	4.71	21	<0.5
286312	0.9	11.5	0.01	0.07	3.1	0.18	0.31	0.41	131	0.82	4.14	41	<0.5
286313	1.2	12.3	0.01	0.14	4	0.211	0.4	0.46	139	0.16	5.28	31	<0.5
286314	1.1	18.3	0.01	0.15	4.7	0.207	0.4	0.56	139	0.99	5.29	32	<0.5
286315	1.4	49.5	0.01	1.79	4	0.232	0.47	0.5	175	0.17	5.66	65	<0.5

VA10198819 - Finalized
CLIENT : "MILBAVE - Mill Bay Ventures"
# of SAMPLES : 6
DATE RECEIVED : 2010-12-23 DATE FINALIZED : 2011-01-10
PROJECT : "Valentine"
CERTIFICATE COMMENTS : ""
PO NUMBER : " "

	Au-SCR24	Au-SCR24	Au-SCR24	Au-SCR24	Au-SCR24	Au-SCR24	Au-AA26	Au-AA26D
SAMPLE	Au Total (+)(-) Combined	Au (+) Fraction	Au (-) Fraction	Au (+) mg	WT. + Frac Entire	WT. - Frac Entire	Au	Au
DESCRIPTION	ppm	ppm	ppm	mg	g	g	ppm	ppm
286258	0.14	0.78	0.09	0.067	85.92	1011	0.08	0.09
286280	0.26	0.25	0.26	0.017	68.05	941.2	0.27	0.25
286281	0.27	0.2	0.28	0.015	76.06	945	0.27	0.29
286288	0.53	0.73	0.52	0.039	53.76	889.6	0.53	0.51

VA11001982 - Finalized
CLIENT : "MILBAVE - Mill Bay Ventures"
# of SAMPLES : 15
DATE RECEIVED : 2011-01-04 DATE FINALIZED : 2011-01-10
PROJECT : "Valentine"
CERTIFICATE COMMENTS : ""
PO NUMBER : " "

	Au-SCR24	Au-SCR24	Au-SCR24	Au-SCR24	Au-SCR24	Au-SCR24	Au-AA26	Au-AA26D
SAMPLE	Au Total (+)(-) Combined	Au (+) Fraction	Au (-) Fraction	Au (+) mg	WT. + Frac Entire	WT. - Frac Entire	Au	Au
286291	0.21	0.24	0.21	0.007	29.67	1021.5	0.2	0.22
286292	0.11	0.21	0.11	0.006	28.08	1035	0.11	0.1
286315	0.05	0.08	0.05	0.003	36.52	992.1	0.05	0.05

VA11003890 - Finalized
CLIENT : "MILBAVE - Mill Bay Ventures"
# of SAMPLES : 12
DATE RECEIVED : 2011-01-11 DATE FINALIZED : 2011-01-14
PROJECT : "Valentine"
CERTIFICATE COMMENTS : ""
PO NUMBER : " "

	Au-SCR24	Au-SCR24	Au-SCR24	Au-SCR24	Au-SCR24	Au-SCR24	Au-AA26	Au-AA26D
SAMPLE	Au Total (+)(-) Combined	Au (+) Fraction	Au (-) Fraction	Au (+) mg	WT. + Frac Entire	WT. - Frac Entire	Au	Au
DESCRIPTION	ppm	ppm	ppm	mg	g	g	ppm	ppm
46332	<0.05	<0.05	<0.05	<0.001	84.16	848.2	0.03	0.03
46333	<0.05	<0.05	<0.05	<0.001	50.7	856.4	0.01	<0.01

Valentine Mountain Project Drill Core Log and Sample Record

Date/Target:	**November, 2010 / Discovery Zone north - near 87-14**								**Acid Tests:**	**Hole Number:**		**10-5**		
Location:	**UTM NAD83 Zone 10N 434524E 5374339N 800 m. elevation uncorrected**								**none**	**Collar Azimuth:**		**0**		
Total Length:	**750 feet = 228.6 metres**										**Collar Dip:**	**-90**		
FROM ft	**TO ft**	**WIDTH ft**	**Lithology**	**% Chlorite**	**% Carbonate**	**% Qtz vns**	**% sulphide**	**RQD (% >**	**Recovery**	**Sample No**	**FROM ft**	**TO ft**	**WIDTH ft**	**Description**
5	10	5	3	1	2	1	1	0	80	286232	5	17.5	12.5	1% qtz 0.1-0.2 cm @30-50 degrees to ca, 1% cal, 1% epidote, 5% brown biotite as 0.5-1.5 cm bands,1% diss & frac fill py, tr limonite, 0'-5' casing, 5'-226' Unit 3 amphibolite (metavolcanic)
10	15	5	3	2	2	8	2	40	85	286233	17.5	21.8	4.3	8% qtz 0.1-3.5 cm @30 + 50 degrees to ca, 2% cal, 3% epidote,1% diss & frac fill py, foliation @30
15	20	5	3	2	2	8	2	70	85	286234	21.8	27	5.2	8% qtz 0.1-3.5 cm @30 + 50 degrees to ca, 2% cal, 3% epidote,1% diss & frac fill py, foliation @30
20	25	5	3	2	2	8	2	100	100	286235	27	29.8	2.8	8% qtz 0.1-3.5 cm @30 + 50 degrees to ca, 2% cal, 3% epidote,1% diss & frac fill py, foliation @30
25	30	5	3	2	2	8	2	82	100	286236	29.8	35	5.2	8% qtz 0.1-3.5 cm @30 + 50 degrees to ca, 2% cal, 3% epidote,1% diss & frac fill py, foliation @30
30	35	5	3	2	2	8	2	100	100	286237	35	40.3	5.3	8% qtz 0.1-3.5 cm, 2% cal, 4% epidote,1% diss & frac fill py, 2% disseminated pyo, foliation & vns multi-directional, contorted section
35	40	5	3	2	2	8	2	100	100	286238	40.3	45.3	5	8% qtz 0.1-3.5 cm, 2% cal, 4% epidote,1% diss & frac fill py, 2% disseminated pyo, foliation & vns multi-directional, contorted section
40	45	5	3	2	2	8	2	80	100	286239	45.3	50	4.7	8% qtz 0.1-3.5 cm, 2% cal, 4% epidote,1% diss & frac fill py, 2% disseminated pyo, foliation & vns multi-directional, contorted section
45	50	5	3	1	2	1	1	100	100					
50	55	5	3	1	2	1	1	94	100					
55	60	5	3	1	2	1	1	90	100					
60	65	5	3	1	2	1	1	95	100					
65	70	5	3	1	2	1	1	77	100					
70	75	5	3	1	2	1	1	85	100					
75	80	5	3	1	2	1	1	92	100					
80	85	5	3	1	2	1	1	98	100					
85	90	5	3	1	2	1	1	100	100					
90	95	5	3	1	2	1	1	100	100					
95	100	5	3	1	2	1	1	75	100					
100	105	5	3	1	2	1	1	72	100					
105	110	5	3	1	2	1	1	91	100					
110	115	5	3	1	2	1	1	65	100					
115	120	5	3	2	2	7	1	95	100	286240	114	119.2	5.2	7% qtz 0.1-11 cm @45 degrees to ca, 1% cal, 1% diss & frac fill py,1% epidote, foliation @45
120	125	5	3	2	2	6	1	70	100	286241	119.2	124.5	5.3	6% qtz 0.1-4 cm @45-60 degrees to ca, fault zone, clay gouge at 122.5-122.8,1% diss & frac fill py
125	130	5	3	2	2	5	1	80	100	286242	124.5	129.8	5.3	5% qtz 0.1-0.5 cm @30 + 45 + 60 + 85 degrees to ca, 1% cal, 1% epidote, 1% diss & frac fill py, foliation weakly contorted
130	135	5	3	1	2	1	1	100	100					
135	140	5	3	1	2	1	1	100	100					
140	145	5	3	1	2	1	1	100	100					
145	150	5	3	1	2	1	1	97	100					
150	155	5	3	2	2	2	1	83	100	286243	147.8	154.2	6.4	2% qtz 0.1-0.5 cm @30 + 45 + 60 + 85 degrees to ca, 1% cal, 1% epidote, 1% diss & frac fill py, foliation weakly contorted
155	160	5	3	2	2	7	1	100	100	286244	154.2	156.3	2.1	7% qtz 0.1-2 cm @20 + 45 + 85 degrees to ca, 1% cal, 1% epidote, 1% diss & frac fill py, foliation weakly contorted
160	165	5	3	2	2	1	1	100	100	286245	156.3	161.5	5.2	1% qtz 0.1-1.5 cm @20-30 degrees to ca, 1% cal,1% diss & frac fill py, contorted foliation at 159.5-160, and 160.6-161.5
165	170	5	3	1	2	1	1	100	100					
170	175	5	3	1	2	1	1	100	100					
175	180	5	3	1	2	1	1	97	100					
180	185	5	3	2	2	3	1	100	100	286246	178.8	184.8	6	3% *qtz 0.1-1.5 cm @70 degrees to ca, 1% cal,1% diss & frac fill py, contorted foliation at 182.5- 183, increased qtz vns*
185	190	5	3	2	2	8	1	100	100	286247	184.8	190	5.2	8% qtz 0.1-4 cm @10-30 degrees to ca, 1% cal, 1% diss & frac fill py, late-stage 0.1-0.3 cm white qtz vns @28 + 85 with chlorite clots
190	195	5	3	2	2	4	1	99	100	286248	190	195.2	5.2	4% qtz 0.1-2.5 cm @25-85 degrees to ca, 1% cal,1% diss & frac fill py, contorted foliation and increased qtz vns
195	200	5	3	2	2	5	1	100	100	286249	195.2	200	4.8	5% qtz 0.1-4.5 cm @10 + 45 & 85 degrees to ca, 1% diss & frac fill py, 0.3-1 cm dark green clots of hornblende-chlorite-actinolite,
200	205	5	3	2	2	6	1	96	100	286250	200	205.5	5.5	6% qtz 0.1-1.5 cm @75-80 degrees to ca, 2% cal, 1% diss & frac fill py
205	210	5	3	1	2	1	1	100	100					
210	215	5	3	1	2	1	1	87	100					
215	220	5	3	1	2	1	1	60	100					
220	225	5	3	2	2	5	1	100	100	286251	221.8	226.6	4.8	5% qtz 0.1-2.5 cm @20 + 45 + 85 degrees to ca, 2% calcite, 1% diss & frac fill py, 1% epidote, 2% chlorite, 226.6'-227.5' fault zone at contact with qtz diorite dyke/sill @68 deg to ca
225	230	5	3 + 5	10	1	5	1	80	100	286252	226.6	227.5	0.9	15% qtz 0.1-1.5 cm @80 degrees to ca, 2% calcite, 1% diss & frac fill py, 10% chlorite, 227.5'-239.8' Unit 5, quartz diorite (dyke/sill)
230	235	5	5	1	1	1	1	60	100					
235	240	5	3 + 5	1	1	1	1	0	100					20% qtz 0.1-4 cm @70 & 88 degrees to ca, 15% epidote as replacement bands/layers, 3% cal, 3% diss & frac fill pyo, py, 14 cm qtz vn @45 deg to ca, bx vein texture
240	245	5	3	2	2	4	1	50	100	286253	239.8	244.8	5	20% qtz 0.1-4 cm @70 & 88 degrees to ca, 15% epidote as replacement bands/layers, 3% cal, 3% diss & frac fill pyo, py, 14 cm qtz vn @45 deg to ca, bx vein texture
245	250	5	3	2	2	3	1	50	80	286254	244.8	247.9	3.1	20% qtz 0.1-4 cm @70 & 88 degrees to ca, 15% epidote as replacement bands/layers, 3% cal, 3% diss & frac fill pyo, py, 14 cm qtz vn @45 deg to ca, bx vein texture
250	255	5	3	2	2	3	1	88	80	286255	247.9	252.9	5	20% qtz 0.1-4 cm @70 & 88 degrees to ca, 15% epidote as replacement bands/layers, 3% cal, 3% diss & frac fill pyo, py, 14 cm qtz vn @45 deg to ca, bx vein texture
255	260	5	3	2	2	8	1	90	90	286256	252.9	254	1.1	20% qtz 0.1-4 cm @70 & 88 degrees to ca, 15% epidote as replacement bands/layers, 3% cal, 3% diss & frac fill pyo, py, 14 cm qtz vn @45 deg to ca, bx vein texture
260	265	5	3	2	2	5	1	75	100	286257	254	259.8	5.8	6% qtz 0.1-2.5 cm @20 + 40 + 75 degrees to ca, 1% cal, 2% epidote, 1% diss & frac fill py, contorted foliation
265	270	5	3	2	2	5	1	99	100	286258	259.8	264	4.2	3% qtz 0.1-1 cm @30-60 degrees to ca, 1% cal, 2% epidote, 1% diss & frac fill py
270	275	5	3	2	2	3	1	100	100	286259	264	269.4	5.4	3% qtz 0.1-1 cm @30-60 degrees to ca, 1% cal, 2% epidote, 1% diss & frac fill py
275	280	5	3	1	2	1	1	95	100					
280	285	5	3	1	2	1	1	100	100					
285	290	5	3	1	2	1	1	100	100					
290	295	5	3	1	2	1	1	100	100					
295	300	5	3	1	2	1	1	100	100					
300	305	5	3	1	2	1	1	81	100					
305	310	5	3	1	2	1	1	87	100					
310	315	5	3	1	2	1	1	100	100					
315	320	5	3	1	2	1	1	100	100					
320	325	5	3	1	2	1	1	100	100					
325	330	5	3	1	2	1	1	100	100					
330	335	5	3	1	2	1	1	95	100					
335	340	5	3	1	2	1	1	100	100					
340	345	5	3	2	2	5	1	100	100	286260	342.8	347.8	5	5% qtz 0.1-3 cm @25 & 60 degrees to ca, 1% cal, 1% diss & frac fill py
345	350	5	3	2	2	4	1	97	100	286261	347.8	352.9	5.1	4% qtz 0.1-3 cm @20 & 75 degrees to ca, 1% cal, 1% epidote, 1% diss & frac fill py
350	355	5	3	2	2	3	1	100	100	286262	352.9	357.3	4.4	3% qtz 0.1-1 cm @40 & 80 degrees to ca, 2% cal, 3% epidote, 1% diss & frac fill py
355	360	5	3	2	2	3	1	100	100	286263	357.3	362	4.7	3% qtz 0.1-1 cm @40 & 80 degrees to ca, 2% cal, 3% epidote, 1% diss & frac fill py, qtz breccia veining at 361.2-363.5
360	365	5	3	3	2	8	1	98	100	286264	362	367	5	10% qtz 0.1-11 cm @45 & 70 degrees to ca, 3% cal, 3% epidote, 1% diss & frac fill py, stockwork qtz veining at 365.6-367
365	370	5	3	2	2	6	1	100	100	286265	367	371.7	4.7	6% qtz 0.1-3 cm @45 + 75 deg to ca, 2% cal, 1% diss & frac fill py
370	375	5	3	2	2	1	1	100	100					
375	380	5	3	1	2	1	1	100	100					
380	385	5	3	1	2	1	1	100	100					
385	390	5	3	1	2	1	1	100	100					
390	395	5	3	2	2	4	1	95	100	286266	390.3	395	4.7	4% qtz 0.1-4 cm @45 + 60 + 85 degrees to ca, 1% cal, 3% epidote, 1% diss & frac fill py, foliation @20 + 45
395	400	5	3	1	2	2	1	98	100	286267	395	400.2	5.2	2% qtz 0.1-1.5 cm @20 + 45 degrees to ca, 12% epidote as 1-4 cm wide replacement bands, 1% cal, 1% diss & frac fill py, foliation @15-20
400	405	5	3	2	2	4	1	100	100	286268	400.2	405	4.8	4% qtz 0.1-1 cm @20 + 65 degrees to ca, 5% epidote, 1% cal, 1% diss & frac fill py
405	410	5	3	1	2	2	1	100	100	286269	405	410.1	5.1	2% qtz 0.1-0.5 cm @15 + 50 degrees to ca, 1% cal, 1% diss & frac fill py, foliation @15-20 deg
410	415	5	3	1	2	1	1	100	100					
415	420	5	3	1	2	1	1	100	100					
420	425	5	3	1	2	1	1	98	100					
425	430	5	3	2	2	6	1	100	100	286270	425.9	431.5	5.6	6% qtz 0.1-1 cm @20-30 + 80 degrees to ca, 1% cal, 1% epidote, 1% diss & frac fill py
430	435	5	3	2	2	6	1	100	100	286271	431.5	436.4	4.9	6% qtz 0.1-1 cm @20-30 + 80 degrees to ca, 1% cal, 1% epidote, 1% diss & frac fill py
435	440	5	3	2	2	6	1	100	100	286272	436.4	441.4	5	6% qtz 0.1-1 cm @20-30 + 80 degrees to ca, 1% cal, 1% epidote, 1% diss & frac fill py
440	445	5	3	1	2	3	1	100	100	286273	441.4	446.5	5.1	3% qtz 0.1-0.5 cm @20-30 + 80 degrees to ca, 1% cal, 1% epidote, 1% diss & frac fill py
445	450	5	3	1	2	3	1	100	100	286274	446.5	451.9	5.4	3% qtz 0.1-0.5 cm @20-30 + 80 degrees to ca, 1% cal, 1% epidote, 1% diss & frac fill py
450	455	5	3	2	2	6	1	100	100	286275	451.9	457	5.1	6% qtz 0.1-1 cm vns forming weak stockwork texture, 2% cal, 1% diss & frac fill py
455	460	5	3	1	2	3	1	100	100	286276	457	468.8	11.8	3% qtz 0.1-1 cm @25 + 48 + 88 degrees to ca, 1% cal, 1% diss & frac fill py
460	465	5	3	1	2	3	1	95	100					
465	470	5	3	3	2	6	3	97	100	286277	468.8	469.9	1.1	12% qtz 0.1-4.5 cm @30 + 90 degrees to ca, 2% cal, 1% epidote, 3% diss & frac fill pyo, 1% py, foliation @30 + 60
470	475	5	3	2	2	7	1	100	100	286278	469.9	475	5.1	7% qtz 0.1-1 cm @35 + 65 degrees to ca, 1% cal, 2% epidote, 1% diss & frac fill py
475	480	5	3	1	2	3	1	100	100	286279	475	480.1	5.1	3% qtz 0.1-2.5 cm @70 degrees to ca, 2% cal, 1% epidote, 1% diss & frac fill py
480	485	5	3 + 1	1	2	3	1	100	100	286280	480.1	485	4.9	3% qtz 0.1-1.5 cm @30 + 45 degrees to ca, 1% cal, 1% diss & frac fill py, 482.2'-710' Unit 1 black colour garnet-andalusite-biotite schist (metapelite)
485	490	5	1	1	1	2	1	88	100	286281	485	490	5	3% qtz 0.1-1 cm @30 + 45 + 70 degrees to ca, trace cal, 1% diss & frac fill pyo, py
490	495	5	1	1	1	2	1	98	100	286282	490	495	5	2% qtz 0.1-0.5 cm @40 degrees to ca, 1% cal, 1% diss & frac fill py
495	500	5	1	1	1	3	1	100	100	286283	495	500	5	2% qtz 0.1-0.5 cm @40 degrees to ca, 1% cal, 1% diss & frac fill py
500	505	5	1	1	1	2	1	100	100	286284	500	504.5	4.5	2% qtz 0.1-0.5 cm @40 degrees to ca, 1% cal, 1% diss & frac fill py
505	510	5	1	3	1	10	3	100	100	286285	504.5	505.8	1.3	80% qtz 0.1-50 cm @30 degrees to ca, 3% diss & frac fill pyo, py, qtz vn sharp contact with schist @30
510	515	5	1	2	1	4	1	100	100	286286	505.8	508.9	3.1	3% qtz 0.1-1 cm @80 degrees to ca, 1% diss & frac fill py
515	520	5	1	3	1	12	1	93	100	286287	508.9	512	3.1	22% qtz 0.1-12 cm @15-20 degrees to ca, 2% diss & frac fill py, pyo at qtz vn/schist contacts (sharp @15 deg to ca)
520	525	5	1	3	1	9	1	90	100	286288	512	514.6	2.6	15% qtz 0.1-5 cm @5-15 degrees to ca, 1% diss & frac fill py, pyo
525	530	5	1	3	1	15	1	100	100	286289	514.6	517.6	3	40% qtz 0.1-22 cm @40 degrees to ca, 2% diss & frac fill pyo, py
530	535	5	1	3	1	12	2	100	100	286290	517.6	521.3	3.7	20% qtz 0.1-15 cm @15 + 65 degrees to ca, 2% diss & frac fill pyo, py
535	540	5	1	3	1	15	2	100	100	286291	521.3	525.4	4.1	20% qtz 0.1-15 cm @15 + 65 degrees to ca, 2% diss & frac fill pyo, py
540	545	5	1	1	1	5	1	100	100	286292	525.4	530	4.6	5% qtz 0.1-1.5 cm @40 + 80 degrees to ca, 1% diss & frac fill py
545	550	5	1	1	1	3	1	100	100	286293	530	535.3	5.3	3% qtz 0.1-1.5 cm @30 + 70 degrees to ca, 1% diss & frac fill py
550	555	5	1	1	1	3	1	100	100	286294	535.3	543.5	8.2	3% qtz 0.1-1.5 cm @30 + 70 degrees to ca, 1% diss & frac fill py
555	560	5	1	1	1	3	1	100	100	286295	543.5	546	2.5	3% qtz 0.1-1.5 cm @30 + 70 degrees to ca, 1% diss & frac fill py
560	565	5	1	2	1	8	1	100	100	286296	546	549.9	3.9	10% qtz 0.1-5 cm @5-10 degrees to ca, 1% diss & frac fill py
565	570	5	1	2	1	6	1	100	100	286297	566.8	573.4	6.6	6% qtz 0.1-2 cm @30 + 45 degrees to ca, 1% diss & frac fill py
570	575	5	1	1	1	1	1	95	100					
575	580	5	1	1	1	1	1	100	100					
580	585	5	1	1	1	3	1	95	100	286298	584.1	590	5.9	3% qtz 0.1-0.3 cm @55 + 70 degrees to ca, 1% diss & frac fill py
585	590	5	1	1	1	1	1	100	100					
590	595	5	1	1	1	3	1	100	100	286299	590	596.4	6.4	3% qtz 0.1-0.3 cm @55 + 70 degrees to ca, 1% diss & frac fill py
595	600	5	1	1	1	3	1	100	100	286300	596.4	605.4	9	3% qtz 0.1-0.3 cm @55 + 70 degrees to ca, 1% diss & frac fill py
600	605	5	1	1	1	1	1	100	100					
605	610	5	1	1	1	1	1	100	100					
610	615	5	1	1	1	1	1	100	100					
615	620	5	1	1	1	1	1	78	100					
620	625	5	1	1	1	1	1	56	100					
625	630	5	1	1	1	1	1	100	100					
630	635	5	1	1	1	1	1	95	100					
635	640	5	1	1	1	1	1	90	100					
640	645	5	1	1	1	4	1	100	100	286301	638.5	644.6	6.1	4% qtz 0.1-0.5 cm @10-50 degrees to ca, 1% diss & frac fill py, foliation contorted (multi-directional)
645	650	5	1	2	1	7	1	100	100	286302	644.6	650	5.4	7% qtz 0.1-4.5 cm @65 degrees to ca, 1% diss & frac fill py, foliation contorted (multi-directional)
650	655	5	1	2	1	7	1	100	100	286303	650	655.4	5.4	7% qtz 0.1-4.5 cm @65 degrees to ca, 1% diss & frac fill py, foliation contorted (multi-directional), ptygmatic folding (ductile-brittle contrast resulting in ladder veining)
655	660	5	1	2	1	7	1	20	100	286304	655.4	660	4.6	7% qtz 0.1-4.5 cm @65 degrees to ca, 1% diss & frac fill py, foliation contorted (multi-directional), fault zone, silicified, clay, tr graphite at 659.3-661
660	665	5	1	1	1	3	1	80	100	286305	660	664.4	4.4	3% qtz 0.1-0.5 cm @20 + 45 degrees to ca, 1% diss & frac fill py
665	670	5	1	1	1	3	1	100	100	286306	664.4	667.3	2.9	3% qtz 0.1-0.5 cm @20 + 45 degrees to ca, 1% diss & frac fill py
670	675	5	1	3	1	8	1	97	100	286307	667.3	668.2	0.9	20% qtz (breccia vein texture) 0.1-15 cm @5 + 40 degrees to ca, 1% diss & frac fill py
675	680	5	1	2	1	5	1	75	100	286308	668.2	674.8	6.6	5% qtz 0.1-2 cm @72 degrees to ca, 1% diss & frac fill py
680	685	5	1	2	1	7	1	95	100	286309	674.8	679.7	4.9	12% qtz 0.1-3 cm @20 + 45 + 80 degrees to ca, 1% diss & frac fill py
685	690	5	1	2	1	4	1	90	100	286310	679.7	685.5	5.8	4% qtz 0.1-0.5 cm @45 + 60 degrees to ca, 1% diss & frac fill py
690	695	5	1	1	1	3	1	88	100	286311	685.5	690.5	5	3% qtz 0.1-0.5 cm @5 + 45 degrees to ca, 1% diss & frac fill py, minor contorted foliation
695	700	5	1	1	1	1	1	100	100					
700	705	5	1	1	1	1	1	60	100					
705	710	5	1	1	1	1	1	88	100					
710	715	5	1 + 2	2	1	7	1	95	100	286312	710	715.6	5.6	7% qtz 0.1-5 cm @20 + 70 degrees to ca, 1% diss & frac fill py, foliation contorted (multi-directional), 710'-712' Unit 2 gneiss (metasandstone)
715	720	5	1	1	1	4	1	100	100	286313	715.6	720.9	5.3	4% qtz 0.1-4.5 cm @10 + 80 degrees to ca, 1% diss & frac fill py, 712'-750' Unit 1 black colour garnet-andalusite-biotite schist (metapelite)
720	725	5	1	1	1	3	1	100	100	286314	720.9	725.9	5	3% qtz 0.1-1.5 cm @10-38 degrees to ca, 1% diss & frac fill py
725	730	5	1	1	1	3	1	87	100	286315	725.9	731	5.1	3% qtz 0.1-1.5 cm @10-38 degrees to ca, 1% diss & frac fill py
730	735	5	1	1	1	1	1	90	100					
735	740	5	1	1	1	1	1	95	100					
740	745	5	1	1	1	1	1	90	100					
745	750	5	1	1	1	1	1	85	100					750' EOH

Valentine Mountain Project Drill Core Log and Sample Record

Date/Target:	**November, 2010 / Discovery Zone north - near 87-14**		**Pajari Test**	**Azimuth**	**Dip**	**Hole Number:**		**10-6**	
Location:	**UTM NAD83 Zone 10N 434547E 5374340N 802 m. elevation uncorrected**		**738 feet**	**209**	**-83**	**Collar Azimuth:**		**0**	
Total Length:	**738 feet = 224.94 metres**		**224.94 metres**	**209**	**-83**		**Collar Dip:**	**-90**	
Interval (m)	**Description**	**Rx**	**Sample No**	**From (m)**	**To (m)**	**Length (m)**	**Au g/t**	**Ag g/t**	**As ppm**
0.61	Overburden	casing		0.00	0.61	0.61			
15.00	Amphibolite	3		0.61	15.61	15.00			
0.55	Amphibolite	3	286316	15.61	16.15	0.55	0.014	0.07	3
1.34	Amphibolite	3	286317	16.15	17.50	1.34	0.01	0.05	4.5
0.94	Amphibolite	3	286318	17.50	18.44	0.94	0.043	0.08	5.6
1.25	Amphibolite	3	286319	18.44	19.69	1.25	0.01	0.05	5
1.92	Amphibolite	3	286320	19.69	21.61	1.92	0.014	0.04	1.2
1.22	Amphibolite	3	286321	21.61	22.83	1.22	0.013	0.03	1
1.31	Amphibolite	3	286322	22.83	24.14	1.31	0.017	0.02	1
0.73	Amphibolite	3	286323	24.14	24.87	0.73	0.024	0.04	1.2
0.46	Quartz Vein	6	286324	24.87	25.33	0.46	0.008	0.04	1
1.07	Amphibolite	3	286325	25.33	26.40	1.07	0.005	0.07	0.9
19.63	Amphibolite	3		26.40	46.02	19.63			
0.94	Amphibolite	3	46334	46.02	46.97	0.94	0.08		
0.46	Amphibolite	3	286326	46.97	47.43	0.46	1.39	0.25	2.6
1.28	Amphibolite	3	286327	47.43	48.71	1.28	0.055	0.16	9.8
1.16	Amphibolite	3	286328	48.71	49.87	1.16	0.026	0.07	5.1
1.65	Amphibolite	3	286329	49.87	51.51	1.65	0.064	0.25	29.2
2.74	Amphibolite	3	286330	51.51	52.88	2.74	0.065	0.08	4.3
2.83	Amphibolite	3	286331	52.88	54.25	2.83	0.013	0.04	1.2
2.83	Amphibolite	3	286332	54.25	55.72	2.83	0.021	0.03	1.3
2.83	Amphibolite	3	286333	55.72	57.09	2.83	0.006	0.04	1
2.80	Amphibolite	3	286334	57.09	58.55	2.80	0.004	0.05	1.4
4.75	Amphibolite	3	286335	58.55	59.89	4.75	0.003	0.06	16.2
3.41	Amphibolite	3		59.89	63.31	3.41			
1.92	Amphibolite	3	286336	63.31	65.23	1.92	0.002	0.03	1.6
1.77	Amphibolite	3	286337	65.23	67.00	1.77	0.005	0.05	4.9
1.58	Amphibolite	3	286338	67.00	68.58	1.58	0.004	0.06	2.1
1.52	Amphibolite	3	286339	68.58	70.10	1.52	0.007	0.08	1.5
2.74	Amphibolite	3		70.10	72.85	2.74			
1.58	Amphibolite	3	286340	72.85	74.43	1.58	0.004	0.05	1.1
0.43	Amphibolite	3	286341	74.43	74.86	0.43	0.004	0.11	1.9
1.34	Amphibolite	3	286342	74.86	76.20	1.34	0.043	0.07	2.2
1.55	Amphibolite	3	286343	76.20	77.75	1.55	0.004	0.07	1.5
1.49	Amphibolite	3	286344	77.75	79.25	1.49	0.007	0.06	1
1.58	Amphibolite	3	286345	79.25	80.83	1.58	0.065	0.05	0.9
1.46	Amphibolite	3	286346	80.83	82.30	1.46	0.24	0.07	1
1.58	Amphibolite	3	286347	82.30	83.88	1.58	0.017	0.05	0.9
1.46	Amphibolite	3	286348	83.88	85.34	1.46	0.003	0.03	1.2
1.65	Amphibolite	3	286349	85.34	86.99	1.65	0.003	0.04	1.1
1.40	Amphibolite	3	286350	86.99	88.39	1.40	0.034	0.05	1.3
1.62	Amphibolite	3	46001	88.39	90.01	1.62	0.006	0.04	1
1.43	Amphibolite	3	46002	90.01	91.44	1.43	0.019	0.03	1.2
1.52	Amphibolite	3	46003	91.44	92.96	1.52	0.057	0.05	1.3
1.52	Amphibolite	3	46004	92.96	94.49	1.52	0.051	0.07	0.9
1.58	Amphibolite	3	46005	94.49	96.07	1.58	0.013	0.04	0.6
1.46	Amphibolite	3	46006	96.07	97.54	1.46	0.004	0.03	0.7
1.58	Amphibolite	3	46007	97.54	99.12	1.58	0.002	0.03	0.6
1.46	Amphibolite	3	46008	99.12	100.58	1.46	0.003	0.04	0.6
1.52	Amphibolite	3	46009	100.58	102.11	1.52	0.009	0.06	0.6
1.52	Amphibolite	3	46010	102.11	103.63	1.52	0.014	0.04	0.9
1.43	Amphibolite	3	46011	103.63	105.06	1.43	0.005	0.05	1.4
1.62	Amphibolite	3	46012	105.06	106.68	1.62	0.004	0.04	3.1
1.65	Quartz Vein	6	46013	106.68	108.33	1.65	0.014	0.11	1.7
1.40	Amphibolite	3	46014	108.33	109.73	1.40	0.002	0.06	1.2
1.52	Amphibolite	3	46015	109.73	111.25	1.52	0.01	0.06	1.2
1.52	Amphibolite	3	46016	111.25	112.78	1.52	0.004	0.06	3.3
1.65	Amphibolite	3	46017	112.78	114.42	1.65	0.003	0.06	34.3
1.71	Amphibolite	3	46018	114.42	116.13	1.71	0.004	0.06	5.9
1.83	Amphibolite	3	46019	116.13	117.96	1.83	0.007	0.04	4.8
14.63	Amphibolite	3		117.96	132.59	14.63			
1.52	Amphibolite	3	46020	132.59	134.11	1.52	0.012	0.11	3.4
1.52	Amphibolite	3	46021	134.11	135.64	1.52	0.004	0.04	3.4
1.52	Amphibolite	3	46022	135.64	137.16	1.52	0.01	0.09	3.3
1.52	Amphibolite	3	46023	137.16	138.68	1.52	0.092	0.12	2.2
1.22	Amphibolite	3	46024	138.68	139.90	1.22	0.028	0.06	15.4
1.52	Amphibolite	3	46025	139.90	141.43	1.52	0.023	0.11	93.6
1.52	Amphibolite	3	46026	141.43	142.95	1.52	0.004	0.09	30.2
1.52	Amphibolite	3	46027	142.95	144.48	1.52	0.003	0.06	7.9
1.52	Amphibolite	3	46028	144.48	146.00	1.52	0.001	0.05	17.1
1.52	Metasandstone	2	46029	146.00	147.52	1.52	0.004	0.08	23.6
2.13	Metapelite	1	46030	147.52	149.66	2.13	0.002	0.18	406
3.66	Metapelite	1		149.66	153.31	3.66			
1.52	Metasandstone	2	46031	153.31	154.84	1.52	0.001	0.11	54.3
1.68	Quartz Vein	6	46032	154.84	156.51	1.68	0.001	0.1	52.6
1.37	Metapelite	1	46033	156.51	157.89	1.37	<0.001	0.12	86.5
1.28	Metapelite	1	46034	157.89	159.17	1.28	<0.001	0.11	75.2
1.77	Quartz Vein	6	46035	159.17	160.93	1.77	0.001	0.1	134.5
2.26	Metapelite	1	46036	160.93	163.19	2.26	0.001	0.1	94.4
1.40	Metapelite	1	46037	163.19	164.59	1.40	0.006	0.14	330
1.52	Amphibolite	3	46038	164.59	166.12	1.52	<0.05	0.09	753
1.37	Amphibolite	3	46039	166.12	167.49	1.37	0.001	0.1	336
1.43	Metapelite	1	46040	167.49	168.92	1.43	0.001	0.13	385
1.40	Metapelite	1	46041	168.92	170.32	1.40	0.001	0.15	328
0.82	Metapelite	1	46042	170.32	171.15	0.82	<0.05	0.1	1910
1.55	Metapelite	1	46335	171.15	172.70	1.55	<0.05		
15.48	Metapelite	1		172.70	188.18	15.48			
0.34	Quartz Vein	6	46043	188.18	188.52	0.34	0.006	0.11	135
15.30	Metapelite	1		188.52	203.82	15.30			
1.46	Metapelite	1	46044	203.82	205.28	1.46	0.001	0.18	47.1
1.46	Metapelite	1	46045	205.28	206.75	1.46	0.001	0.26	28.9
21.85	Metapelite	1		206.75	224.94	18.20			

VA10180753 - Finalized
CLIENT : "MILBAVE - Mill Bay Ventures"
# of SAMPLES : 178
DATE RECEIVED : 2010-12-02 DATE FINALIZED : 2010-12-18
PROJECT : "Valentine"
CERTIFICATE COMMENTS : "ME-MS41:Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g). "
PO NUMBER : "2"

	Au-TL44	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	Au-OG44
SAMPLE	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr	Au
DESCRIPT	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
286316	0.014	0.07	2.76	3	<0.2	<10	130	0.22	0.01	3.57	0.08	3.91	41.7	37	2.01	66.5	4.17	8.64	0.14	0.09	0.01	0.019	1.17	1.8	53.2	1.69	897	40	0.22	0.87	56.8	2020	0.2	31.8	0.001	0.32	0.15	11.5	0.5	0.5	24.3	0.02	0.01	0.2	0.444	0.21	0.09	120	0.32	10.2	72	1.9	
286317	0.01	0.05	2.85	4.5	<0.2	<10	160	0.16	0.01	3.2	0.07	3.15	35.6	39	2.52	60.4	4.26	8.62	0.15	0.07	<0.01	0.019	1.55	1.3	60.9	1.66	676	1.1	0.16	0.48	60.5	1770	0.2	43.2	<0.001	0.25	0.1	11.2	0.4	0.5	29.7	0.01	0.02	0.2	0.436	0.27	0.07	116	0.34	7.44	85	1.1	
286318	0.043	0.08	3.16	5.6	<0.2	<10	190	0.22	0.01	3.45	0.07	3.33	35.3	41	2.34	58.7	5.06	9.19	0.16	0.06	<0.01	0.024	1.54	1.4	58.6	2.32	755	1.95	0.17	0.35	57.6	1750	0.4	40.5	0.001	0.77	0.13	14.5	0.6	0.5	28.6	0.01	0.01	<0.2	0.454	0.27	0.07	144	0.52	7.47	78	1.1	
286319	0.01	0.05	1.87	5	<0.2	<10	20	0.12	0.01	2.54	0.06	4.69	21.7	28	0.99	54.1	2.88	6.23	0.11	0.06	<0.01	0.021	0.28	1.9	33.3	1.79	420	0.5	0.13	0.25	34	1470	0.3	10	<0.001	0.04	0.12	9.2	0.2	0.3	31.3	0.01	<0.01	0.2	0.211	0.07	0.06	81	0.23	7.07	39	1.1	
286320	0.014	0.04	2.42	1.2	<0.2	<10	70	0.22	<0.01	3.62	0.07	4.59	27.4	31	2.04	52	3.61	6.93	0.15	0.11	<0.01	0.022	0.64	1.9	40.6	1.92	579	0.08	0.23	0.55	43.6	1450	0.3	22.1	<0.001	0.03	0.26	12.3	0.3	0.5	51.6	0.02	<0.01	0.2	0.423	0.15	0.11	106	3.02	8.82	56	2.4	
B-21	0.006	0.09	3.98	0.2	<0.2	<10	10	0.07	0.01	2.45	0.04	3.85	26.4	92	<0.05	318	4.29	7.55	0.09	0.16	0.02	0.01	0.02	1.5	1.1	1.3	356	0.15	0.49	0.13	50.6	360	<0.2	0.3	0.001	0.07	<0.05	3.7	0.4	0.2	40.9	<0.01	0.04	<0.2	0.239	<0.02	<0.05	118	0.06	8.32	29	4.5	
286321	0.013	0.03	2.84	1	<0.2	<10	120	0.31	<0.01	2.06	0.04	3.67	28.3	32	2.6	50.6	3.61	7.45	0.16	0.09	<0.01	0.017	0.96	1.5	83.4	2.01	392	0.15	0.29	0.37	44.9	1540	0.2	30.6	<0.001	0.01	0.21	10.9	0.3	0.5	43.5	0.01	<0.01	0.2	0.383	0.18	0.08	112	0.28	7.49	68	1.8	
286322	0.017	0.02	2.12	1	<0.2	<10	100	0.25	<0.01	1.82	0.03	3.23	27.9	30	3.33	63	3.75	6.54	0.16	0.09	<0.01	0.014	0.94	1.4	71.4	1.58	375	0.11	0.16	0.44	49.3	1740	0.2	29.3	<0.001	0.01	0.32	8.8	0.3	0.4	46	0.01	<0.01	<0.2	0.416	0.16	0.08	96	0.39	6.25	70	1.7	
286323	0.024	0.04	2.4	1.2	<0.2	<10	100	0.22	<0.01	1.93	0.05	3.72	34.2	33	3.17	82.2	4.77	7.6	0.17	0.1	<0.01	0.017	0.91	1.6	61.2	1.77	521	0.08	0.17	0.44	59.1	2020	0.2	26	<0.001	0.04	0.31	10.3	0.3	0.5	42.8	0.01	<0.01	0.2	0.482	0.14	0.08	111	0.36	7.05	88	2	
286324	0.008	0.04	2.65	1	<0.2	<10	120	0.32	<0.01	2.19	0.04	2.95	25	27	2.71	56.2	3.11	7.04	0.16	0.08	<0.01	0.014	0.8	1.3	48.1	1.39	373	0.06	0.22	0.4	44.5	1940	0.3	26.2	<0.001	0.03	0.18	9	0.2	0.4	108.5	0.01	0.01	<0.2	0.308	0.14	0.05	91	0.29	6.33	57	1.6	
286325	0.005	0.07	2.03	0.9	<0.2	<10	10	0.13	0.01	2.37	0.05	4.69	18.3	26	0.68	52.1	2.72	6.13	0.11	0.07	<0.01	0.022	0.13	1.9	28.4	1.71	374	0.12	0.19	0.32	28.3	1420	0.2	5.4	<0.001	0.01	0.15	10.3	0.3	0.4	54.1	0.01	0.01	0.2	0.246	0.03	0.06	83	0.41	8.4	36	1.3	
286326	>1.00	0.25	3.17	2.6	1.5	<10	170	0.14	<0.01	1.12	0.07	4.38	52.6	307	3.85	119	7.64	12.55	0.16	0.03	<0.01	0.064	2.42	1.9	183.5	1.9	476	7.52	0.08	0.35	121.5	2520	0.7	73.5	0.001	0.7	0.1	26	0.6	1.2	10	0.01	0.01	<0.2	0.426	0.5	<0.05	195	0.34	15.1	167	<0.5	2.02
286327	0.055	0.16	3.06	9.8	<0.2	<10	160	0.15	0.03	1.42	0.1	5.95	50	288	3.41	76.1	7.42	12.35	0.15	0.03	<0.01	0.056	2.07	2.6	117.5	1.69	513	3.02	0.1	0.34	124	2570	1.1	63.1	<0.001	0.66	0.11	23.6	0.7	1.1	18.4	0.01	0.01	0.2	0.413	0.41	<0.05	184	0.36	14.5	162	0.6	
286328	0.026	0.07	2.89	5.1	<0.2	<10	110	0.12	0.01	1.13	0.05	2.93	51.8	296	2.95	65.8	7.45	11	0.18	0.02	<0.01	0.03	1.73	1.3	84.6	1.69	538	<0.05	0.14	0.23	126.5	2470	0.3	50.4	<0.001	0.1	0.08	16	0.3	0.8	21.6	<0.01	<0.01	<0.2	0.335	0.32	<0.05	185	0.32	9.66	161	0.5	
286329	0.064	0.25	3	29.2	<0.2	<10	100	0.22	0.04	2.95	0.08	7.25	48.2	265	2.85	103.5	6.54	11	0.14	0.03	<0.01	0.037	1.14	3.2	59.4	1.64	720	0.07	0.14	0.22	115.5	2510	1.1	37.3	<0.001	0.32	0.17	15.2	0.4	0.6	33.8	0.01	0.01	0.2	0.266	0.25	0.06	164	0.35	8.95	119	0.5	
286330	0.065	0.08	2.69	4.3	<0.2	<10	150	0.18	0.03	1.63	0.04	3.99	47.6	233	3.24	81.3	6.3	9.74	0.17	0.04	<0.01	0.022	1.51	1.7	68.5	1.7	576	0.16	0.12	0.26	115	2560	0.4	48.1	<0.001	0.08	0.11	11.2	0.3	0.6	38.1	<0.01	0.01	<0.2	0.381	0.3	0.06	153	0.35	7.33	128	0.8	
286331	0.013	0.04	2.79	1.2	<0.2	<10	90	0.27	<0.01	2.58	0.08	3.35	31.6	173	1.87	61.7	4.66	8.73	0.19	0.07	<0.01	0.029	0.88	1.3	55.9	1.76	598	<0.05	0.28	0.23	88.1	1450	0.2	29.7	<0.001	0.03	0.1	13.7	0.3	0.7	25.1	0.01	0.01	<0.2	0.36	0.2	<0.05	132	0.42	10.35	79	1.6	
286332	0.021	0.03	2.52	1.3	<0.2	<10	120	0.23	<0.01	2.85	0.07	2.77	29.8	152	2.51	70.6	4.27	8.36	0.2	0.07	<0.01	0.022	1.13	1	65.8	1.62	543	0.05	0.19	0.22	78.5	1350	0.2	36.6	<0.001	0.03	0.24	10.3	0.3	0.6	63.6	<0.01	0.01	<0.2	0.304	0.24	<0.05	115	0.32	7.51	78	1.3	
286333	0.006	0.04	2.88	1	<0.2	<10	80	0.3	0.01	2.89	0.09	3.29	31.5	172	2.09	53.3	4.53	9.53	0.23	0.1	<0.01	0.034	0.95	1.2	54.8	1.95	539	0.11	0.31	0.23	94	1490	0.2	32	<0.001	0.04	0.12	14.7	0.4	0.7	26.7	0.01	0.01	<0.2	0.358	0.21	<0.05	130	0.4	12.75	74	2.1	
286334	0.004	0.05	2.12	1.4	<0.2	<10	40	0.15	0.01	2.56	0.07	2.43	21.7	110	0.76	43.2	3.01	6.77	0.15	0.07	0.01	0.02	0.39	0.8	32.7	1.5	426	0.12	0.18	0.25	67.3	1220	0.2	13.8	<0.001	0.05	0.06	8.4	0.3	0.4	26.6	0.01	0.01	<0.2	0.279	0.09	<0.05	76	1.13	8.49	44	1.4	
286335	0.003	0.06	3.04	16.2	<0.2	<10	110	0.22	0.02	4.08	0.07	3.27	27.2	123	1.32	40.1	3.71	8.11	0.14	0.07	<0.01	0.024	0.77	1.3	40.8	1.56	575	0.94	0.22	0.25	85.9	1360	1.1	25.3	<0.001	0.07	0.09	9.4	0.4	0.5	108.5	0.01	0.03	<0.2	0.344	0.15	<0.05	93	0.67	8.01	52	1.5	
286336	0.002	0.03	2.5	1.6	<0.2	<10	100	0.14	0.01	1.97	0.06	2.59	23.9	124	1.52	28.2	3.45	8.83	0.18	0.07	<0.01	0.025	0.82	0.9	47.4	1.65	425	<0.05	0.18	0.18	76	1280	0.4	27.1	<0.001	0.06	<0.05	10.4	0.3	0.6	42.6	0.01	0.01	<0.2	0.295	0.16	<0.05	92	0.48	8.3	56	1.4	
286337	0.005	0.05	3.23	4.9	<0.2	<10	140	0.22	0.02	4.28	0.11	2.58	31.3	154	1.72	39.5	4.14	8.75	0.16	0.07	<0.01	0.024	1	1	53.8	1.57	629	0.53	0.27	0.35	96.9	1450	0.5	32.3	<0.001	0.2	0.05	12.3	0.5	0.5	98.4	0.01	0.02	<0.2	0.36	0.2	0.05	101	0.47	8.88	67	1.3	
286338	0.004	0.06	1.86	2.1	<0.2	<10	40	0.15	0.01	3.15	0.07	2.91	18.5	97	0.52	46.2	2.53	5.89	0.12	0.08	<0.01	0.018	0.3	1.1	30.2	1.34	403	0.09	0.19	0.48	64.7	1540	0.2	10.2	<0.001	0.04	0.06	7.3	0.3	0.4	60.9	0.01	0.02	<0.2	0.289	0.06	<0.05	65	1.73	8.38	33	1.7	
286339	0.007	0.08	2.13	1.5	<0.2	<10	10	0.18	0.02	4.38	0.09	3.14	19.8	90	0.25	49.6	2.74	6.24	0.15	0.09	<0.01	0.02	0.11	1.2	21.2	1.33	524	0.41	0.24	0.8	70.7	1430	0.4	3.8	<0.001	0.08	0.07	8.6	0.4	0.5	108.5	0.03	0.02	<0.2	0.324	0.03	0.05	72	0.63	9.29	32	1.9	
286340	0.004	0.05	3.91	1.1	<0.2	<10	130	0.24	0.01	6.01	0.21	2.33	37.2	153	2.16	46.7	4.85	9.83	0.15	0.06	0.03	0.019	1.53	0.9	63	1.6	901	0.35	0.26	0.29	114.5	1780	1	39.1	<0.001	0.18	0.06	9.6	0.5	0.4	140	0.01	0.02	<0.2	0.41	0.23	<0.05	114	29.5	7.04	82	1	
B-22	0.003	0.07	4	0.1	<0.2	<10	10	0.08	0.01	2.61	0.05	4.39	25.3	76	<0.05	190.5	4.38	7.76	0.1	0.19	<0.01	0.012	0.02	1.7	0.9	1.3	432	0.13	0.54	0.13	45.5	370	<0.2	0.2	0.001	0.05	<0.05	5.1	0.4	0.3	42.5	<0.01	0.02	<0.2	0.287	<0.02	<0.05	152	0.08	9.54	32	5.8	
286341	0.004	0.11	3.69	1.9	<0.2	<10	170	0.16	0.04	1.42	0.05	1.82	45.6	198	2.69	135	6.54	11.4	0.14	0.03	<0.01	0.031	2	0.8	83.4	1.19	492	1.4	0.23	0.47	120.5	2610	0.6	50	<0.001	0.86	0.07	16.7	1.3	0.8	108	0.01	0.07	<0.2	0.449	0.32	<0.05	152	0.99	8.58	94	0.5	
286342	0.043	0.07	4.27	2.2	<0.2	<10	180	0.25	0.01	2.78	0.08	2.7	43.3	221	2.66	53.6	5.92	12.85	0.2	0.06	0.01	0.031	1.99	1.1	79.1	1.83	596	0.64	0.26	0.39	132	2310	0.7	49.9	<0.001	0.3	0.05	17.9	0.6	0.8	124	0.01	0.02	<0.2	0.471	0.29	<0.05	170	2.55	9.7	89	1.2	
286343	0.004	0.07	1.56	1.5	<0.2	<10	30	0.11	<0.01	3.51	0.08	3.03	16.8	79	0.58	31.1	2.35	5.04	0.15	0.08	<0.01	0.016	0.38	1.1	23	1.12	433	0.06	0.18	0.33	61.7	1340	0.4	11.8	<0.001	0.03	0.06	7.3	0.2	0.4	45.2	0.01	0.01	<0.2	0.288	0.06	<0.05	64	0.68	8.06	31	1.6	
286344	0.007	0.06	3.12	1	<0.2	<10	140	0.21	0.01	3.49	0.09	3.8	36.4	196	2.37	56.8	4.8	10.25	0.19	0.06	<0.01	0.032	1.53	1.6	71.8	1.95	610	<0.05	0.23	0.31	106	1840	0.4	43.8	<0.001	0.09	0.05	15.4	0.4	0.7	52.2	0.01	0.01	0.2	0.342	0.25	<0.05	126	0.54	11.2	89	1.1	
286345	0.065	0.05	2.3	0.9	<0.2	<10	100	0.13	<0.01	3.91	0.1	3.51	26.3	151	1.54	50.9	3.46	7.32	0.18	0.05	<0.01	0.024	0.99	1.4	53.4	1.36	590	<0.05	0.2	0.27	79.9	1700	0.3	28.5	<0.001	0.09	0.05	10.7	0.3	0.5	52.1	0.01	0.01	<0.2	0.276	0.17	<0.05	110	0.52	8.95	58	0.9	
286346	0.179	0.07	3.38	1	<0.2	<10	150	0.22	<0.01	3.03	0.08	3.82	31	189	1.95	54.7	4.27	9.41	0.21	0.07	<0.01	0.024	1.42	1.5	80.3	1.77	571	0.37	0.28	0.45	90.8	1800	0.3	39.5	<0.001	0.09	0.06	12.8	0.3	0.6	60.8	0.01	0.01	0.2	0.438	0.24	0.06	124	2.27	8.98	78	1.5	
286347	0.017	0.05	3.26	0.9	<0.2	<10	140	0.22	<0.01	2.58	0.06	3.38	24.9	160	1.69	52.8	3.36	8.23	0.17	0.05	<0.01	0.02	1.06	1.4	65.5	1.85	416	0.83	0.29	0.27	84.6	1750	0.3	33.5	<0.001	0.03	0.07	9.3	0.3	0.5	81.7	0.01	0.01	<0.2	0.285	0.22	0.05	99	0.44	7.44	57	1	
286348	0.003	0.03	2.25	1.2	<0.2	<10	50	0.18	0.01	2.07	0.05	4.44	20.2	123	0.59	19	2.78	6.42	0.15	0.08	<0.01	0.022	0.35	1.8	35.7	1.71	386	0.1	0.26	0.41	67.6	1590	0.2	11.7	<0.001	0.01	0.1	9.3	0.3	0.5	39.3	0.01	0.01	0.2	0.275	0.09	0.06	77	0.55	9.68	44	1.5	
286349	0.003	0.04	2.53	1.1	<0.2	<10	60	0.16	<0.01	1.67	0.04	3.74	22.6	129	0.87	35.6	2.85	6.8	0.14	0.05	<0.01	0.018	0.47	1.5	42.6	1.99	319	0.16	0.21	0.37	75.9	1710	0.2	16.8	<0.001	0.03	0.07	7.6	0.2	0.4	46.9	0.01	0.01	0.2	0.211	0.13	0.05	71	0.37	7.71	50	0.8	
286350	0.034	0.05	3.04	1.3	<0.2	<10	80	0.3	<0.01	2.44	0.05	3.8	24	149	1.35	48.5	3.3	8.07	0.18	0.07	<0.01	0.024	0.58	1.6	41.6	1.92	419	0.23	0.29	0.32	78.6	1810	0.3	20.3	<0.001	0.03	0.08	10.3	0.3	0.5	108	0.01	0.01	0.2	0.25	0.16	0.05	96	0.27	9.14	57	1.1	

VA10180754 - Finalized
CLIENT : "MILBAVE - Mill Bay Ventures"
# of SAMPLES : 130
DATE RECEIVED : 2010-12-02 DATE FINALIZED : 2010-12-22
PROJECT : "Valentine"
CERTIFICATE COMMENTS : "ME-MS41:Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g). "
PO NUMBER : "2"

	Au-TL44	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
SAMPLE	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr
DESCRIPT	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
46001	0.006	0.04	3.01	1	<0.2	<10	90	0.21	<0.01	2.37	0.05	3.64	21.8	132	1.49	53.7	2.88	7.58	0.18	0.07	<0.01	0.022	0.63	1.5	40.3	1.66	376	0.2	0.26	0.45	78.9	1700	0.3	25.1	<0.001	0.01	0.08	9.6	0.3	0.5	92.6	0.01	0.02	0.2	0.254	0.18	0.05	80	0.31	8.69	53	1.5
46002	0.019	0.03	2.26	1.2	<0.2	<10	150	0.18	0.01	1.24	0.03	4.89	31.9	187	2.81	60.3	4.33	8.96	0.23	0.06	0.01	0.029	1.14	2.2	95.3	1.72	405	0.05	0.22	0.36	103.5	2130	<0.2	43.6	<0.001	<0.01	0.1	12.6	0.4	0.7	19.3	0.01	0.01	0.2	0.342	0.33	0.07	120	0.13	12.25	104	1.2
46003	0.057	0.05	2.44	1.3	<0.2	<10	110	0.18	0.01	1.45	0.05	4.07	31.5	184	1.77	58	4.42	9.24	0.25	0.05	0.01	0.027	0.98	1.8	102.5	1.55	393	0.68	0.23	0.33	94.9	2340	0.2	33.8	<0.001	0.03	0.06	12.2	0.4	0.7	74	0.01	0.01	0.2	0.3	0.23	0.05	123	0.14	9.09	90	0.9
46004	0.051	0.07	3.34	0.9	<0.2	<10	200	0.19	<0.01	1.19	0.07	4.01	43.2	240	2.83	70	6.07	13.15	0.32	0.04	<0.01	0.038	1.64	1.7	137	1.97	436	2.65	0.25	0.4	116	2070	0.3	51.6	<0.001	0.18	<0.05	16.3	0.6	0.9	80.9	0.01	0.02	0.2	0.342	0.33	0.05	167	0.19	8.78	130	1
46005	0.013	0.04	3.3	0.6	<0.2	<10	130	0.32	<0.01	1.89	0.05	3.66	34.3	186	2.17	55.9	4.49	11.3	0.25	0.06	0.01	0.032	1.18	1.5	76.5	1.72	462	0.05	0.26	0.33	89.5	1820	0.3	39	<0.001	0.04	<0.05	14.6	0.4	0.7	48.9	0.01	0.02	0.2	0.356	0.25	0.05	123	0.58	9.68	98	1
46006	0.004	0.03	2.52	0.7	<0.2	<10	80	0.2	0.01	1.67	0.05	4.57	23.8	133	1.84	37.4	3.15	7.95	0.23	0.08	<0.01	0.027	0.76	1.8	39.5	1.66	383	0.18	0.24	0.3	75.4	1580	0.2	28	<0.001	0.03	0.08	11.9	0.4	0.5	32.6	0.01	0.02	0.2	0.307	0.18	0.06	90	0.51	10.25	64	1.5
46007	0.002	0.03	2.27	0.6	<0.2	<10	50	0.22	0.01	1.99	0.05	3.92	20.3	111	1.19	56.8	2.66	6.48	0.18	0.08	<0.01	0.022	0.4	1.5	33.2	1.42	348	0.07	0.24	0.33	67.9	1380	0.3	15.6	<0.001	0.07	0.11	9.9	0.3	0.4	62.9	0.01	0.01	0.2	0.301	0.11	0.05	78	0.52	8.9	47	1.6
46008	0.003	0.04	2.57	0.6	<0.2	<10	80	0.25	0.01	1.79	0.05	4.35	22.6	125	1.68	41.5	2.9	7.27	0.17	0.09	<0.01	0.024	0.68	1.7	45.3	1.71	348	0.06	0.25	0.29	74.1	1440	0.3	25.9	<0.001	0.04	0.11	10.5	0.3	0.5	37.9	0.01	0.02	0.2	0.33	0.18	0.05	86	0.57	9.07	56	1.7
46009	0.009	0.06	2.73	0.6	<0.2	<10	70	0.3	0.01	3.27	0.09	3.48	21.3	125	1.17	87.7	2.74	7.15	0.19	0.08	0.01	0.024	0.54	1.4	34.8	1.21	479	0.05	0.31	0.41	71.5	1600	0.3	20.3	<0.001	0.06	0.1	11.6	0.5	0.5	109	0.01	0.03	<0.2	0.305	0.12	0.05	88	0.5	9.89	49	1.5
46010	0.014	0.04	2.8	0.9	<0.2	<10	50	0.29	0.01	2.77	0.07	4.05	22.4	133	0.95	28.5	3.02	8.04	0.21	0.08	0.01	0.027	0.41	1.6	38.3	1.4	420	0.3	0.3	0.36	74.7	1690	0.5	13.6	<0.001	0.05	0.06	12.4	0.4	0.5	92.2	0.01	0.02	0.2	0.32	0.08	0.05	97	0.87	10.8	56	1.8
46011	0.005	0.05	2.63	1.4	<0.2	<10	50	0.24	0.01	2.51	0.07	4.14	23.7	130	1.22	48.1	2.96	7.09	0.24	0.1	0.01	0.025	0.47	1.7	35	1.3	420	0.07	0.28	0.39	78.8	1740	0.4	17.3	<0.001	0.07	0.05	12.1	0.4	0.4	93.9	0.01	0.02	0.2	0.354	0.1	0.06	87	0.72	11.5	54	1.9
46012	0.004	0.04	3.79	3.1	<0.2	<10	60	0.34	0.01	3.23	0.06	2.86	29	161	1.91	42	3.37	9.81	0.26	0.08	0.01	0.019	0.69	1.1	51.5	1.45	523	0.06	0.32	0.33	99.8	1760	1	23.4	<0.001	0.1	0.06	13.4	0.5	0.5	174	0.01	0.03	<0.2	0.375	0.15	0.05	103	0.78	9.02	64	1.5
46013	0.014	0.11	4.7	1.7	<0.2	<10	140	0.62	0.04	2.67	0.06	3.48	37.7	158	2.66	171.5	5.07	13	0.24	0.04	0.01	0.039	1.17	1.5	64.4	1.46	486	3.09	0.37	0.5	102.5	2300	1.5	36.4	<0.001	0.75	<0.05	15.5	1.2	0.7	201	0.01	0.07	0.2	0.309	0.24	<0.05	131	0.5	11.15	105	0.9
46014	0.002	0.06	5.27	1.2	<0.2	<10	170	0.3	0.03	1.98	0.05	5.58	41.7	120	3.55	58.9	6.13	16.5	0.27	0.05	0.01	0.052	2.03	2.4	95.6	2.17	458	0.45	0.29	0.44	109.5	2740	1	49	<0.001	0.41	<0.05	15.2	0.8	1.1	168.5	0.01	0.06	0.3	0.324	0.34	0.05	161	0.85	12.3	160	1.1
46015	0.01	0.06	4.14	1.2	<0.2	<10	210	0.3	0.03	1.93	0.04	5.99	34.4	96	2.8	47.7	5.27	14.55	0.27	0.07	<0.01	0.05	1.58	2.8	76.5	1.64	404	0.16	0.28	0.43	92.3	3480	0.7	48.4	<0.001	0.35	<0.05	14.7	0.9	1.2	109	0.01	0.04	0.3	0.276	0.28	0.06	156	0.65	17.4	124	1.1
46016	0.004	0.06	2.2	3.3	<0.2	<10	100	0.17	0.02	2.36	0.07	3.35	28.8	148	1.19	59.4	3.2	6.91	0.2	0.08	<0.01	0.025	0.67	1.5	31.4	0.99	506	0.05	0.23	0.31	92.6	2050	0.3	22.7	<0.001	0.27	<0.05	12.9	0.7	0.5	58.3	0.01	0.05	<0.2	0.298	0.15	0.06	84	0.4	11.4	55	1.6
46017	0.003	0.06	2.1	34.3	<0.2	<10	60	0.15	0.05	2.27	0.07	2.85	26.9	135	0.76	75.2	2.7	5.57	0.16	0.09	0.01	0.019	0.38	1.1	20.5	0.95	378	0.07	0.23	0.46	92.6	1880	0.3	13.7	<0.001	0.28	0.06	10.3	0.6	0.4	61.5	0.01	0.06	<0.2	0.323	0.09	0.05	72	0.52	8.38	41	1.9
46018	0.004	0.06	3.54	5.9	<0.2	<10	140	0.28	0.03	2.47	0.07	4.12	33.1	142	1.85	67.2	3.95	11	0.28	0.08	0.01	0.035	0.87	1.8	37.6	1.28	495	0.06	0.3	0.38	98.9	2320	0.6	31	<0.001	0.22	<0.05	13.8	0.7	0.7	215	0.01	0.04	0.2	0.307	0.19	0.06	114	0.37	11.85	82	1.7
46019	0.007	0.04	3.62	4.8	<0.2	<10	120	0.19	0.02	3.6	0.09	2.8	23.7	180	2.06	31.2	2.99	8.3	0.18	0.07	0.01	0.019	1.12	1	41.4	1.52	505	0.4	0.31	0.3	91.4	1530	0.5	35.8	<0.001	0.07	<0.05	11.1	0.4	0.5	162.5	0.01	0.02	<0.2	0.364	0.22	0.05	98	2.09	8.98	50	1.7
46020	0.012	0.11	3.46	3.4	<0.2	<10	130	0.38	0.07	2.45	0.08	4.42	30.3	75	2.43	62.4	4.3	11.3	0.28	0.05	0.01	0.036	0.85	2	44.7	1.21	369	0.33	0.27	0.58	94.9	3160	3.7	33.5	<0.001	0.48	0.24	9.9	0.8	0.8	352	0.02	0.1	0.2	0.256	0.17	0.06	115	0.85	11.75	78	1.1
B-23	0.004	0.09	4.27	<0.1	<0.2	<10	10	0.07	0.03	2.43	0.04	4.76	31.9	56	<0.05	213	3.3	8.1	0.07	0.15	<0.01	0.009	0.02	1.7	1.1	1.3	333	0.16	0.44	0.12	61.8	360	2.9	0.3	0.001	0.07	<0.05	3.6	0.5	<0.2	46.4	<0.01	0.02	<0.2	0.193	<0.02	<0.05	81	0.05	8.7	31	5.1
46021	0.004	0.04	3.13	3.4	<0.2	<10	150	0.21	0.02	2.59	0.06	4.64	21	73	2.85	13.4	3.73	10.85	0.21	0.06	<0.01	0.031	1.16	1.9	52	1.71	399	0.22	0.22	0.38	62.4	2410	1.1	45.2	<0.001	0.05	0.05	8.1	0.3	0.5	175.5	0.01	0.01	0.2	0.282	0.22	<0.05	106	0.54	9.59	68	1.3
46022	0.01	0.09	2.56	3.3	<0.2	<10	130	0.25	0.04	1.86	0.06	5.83	27.1	71	3.28	48.6	3.93	11.1	0.16	0.07	<0.01	0.035	0.95	2.4	44	1.57	385	0.17	0.13	0.36	75.6	2500	0.8	39	<0.001	0.17	0.06	12.3	0.5	0.6	57.9	0.01	0.02	0.3	0.225	0.18	<0.05	109	0.58	11.55	74	1.4
46023	0.092	0.12	3.74	2.2	<0.2	<10	180	0.41	0.07	2.17	0.07	6.29	32.2	85	3.13	30	4.94	12.95	0.28	0.08	0.03	0.047	1.28	2.7	56.1	1.67	455	0.23	0.28	0.52	95.6	3160	0.9	46.6	<0.001	0.57	0.05	13.5	0.8	1	150.5	0.01	0.05	0.3	0.292	0.19	0.06	136	7.4	15.4	102	1.7
46024	0.028	0.06	2.99	15.4	<0.2	<10	110	0.25	0.04	3.05	0.09	5.21	30.4	77	2.48	33.6	4.28	10.75	0.24	0.08	<0.01	0.045	0.83	2.3	33.6	1.41	522	0.25	0.19	0.42	88.7	2770	1.1	35.4	<0.001	0.25	0.07	12.8	0.5	0.8	168.5	0.01	0.04	0.3	0.24	0.18	0.05	118	0.91	12.4	90	1.6
46025	0.023	0.11	4.52	93.6	<0.2	<10	140	0.5	0.08	3.21	0.08	4.4	32.2	73	2.21	54	4.34	12.85	0.24	0.08	0.04	0.034	0.95	1.9	36.7	1.42	424	0.25	0.32	0.62	94.8	2850	2.4	40.5	<0.001	0.61	0.05	10.9	0.8	0.7	434	0.02	0.13	0.2	0.3	0.2	0.05	110	18.35	10.75	84	2.3
46026	0.004	0.09	6.24	30.2	<0.2	<10	280	0.69	0.1	2.48	0.1	4.62	35.6	115	5	40.6	5.44	15.6	0.24	0.04	0.02	0.042	2.07	1.9	82.1	2.25	391	0.45	0.4	0.37	97.8	2090	10.1	59.3	<0.001	0.46	<0.05	12.7	0.9	0.8	405	0.01	0.05	0.2	0.323	0.33	<0.05	132	7.73	8.73	130	1.2
46027	0.003	0.06	2.93	7.9	<0.2	<10	30	0.27	0.03	2.45	0.07	5.82	21.2	62	1.82	44.1	3.15	9.06	0.21	0.09	0.04	0.03	0.57	2.6	27.1	1.57	392	0.24	0.24	0.48	63.6	2260	1	22.7	<0.001	0.09	0.05	8.4	0.5	0.7	183	0.01	0.02	0.3	0.274	0.11	0.06	85	23	10.75	54	2.3
46028	0.001	0.05	3.12	17.1	<0.2	<10	110	0.21	0.04	1.53	0.05	5.4	32.8	176	2.82	31.8	4.22	10.35	0.21	0.06	<0.01	0.038	0.91	2.4	44.5	2.12	394	0.1	0.19	0.31	109.5	2220	0.8	36.3	<0.001	0.19	0.05	12.2	0.6	0.7	58.1	0.01	0.03	0.2	0.24	0.18	0.05	127	0.39	11.9	96	1.2
46029	0.004	0.08	2.92	23.6	<0.2	<10	300	0.16	0.08	0.91	0.06	9.43	20.6	107	3.46	27.1	3.48	10.05	0.12	0.03	<0.01	0.037	1.3	4.7	36.9	1.5	528	1.22	0.18	0.29	60.9	1070	1.4	44.2	0.001	0.19	<0.05	11.8	0.4	0.8	65	0.01	0.03	1.9	0.248	0.31	0.35	102	0.6	7.51	85	0.8
46030	0.002	0.18	2.5	406	<0.2	<10	150	0.23	0.22	0.61	0.16	19.45	14.8	45	2.03	50.3	3.91	8.6	0.08	0.02	<0.01	0.024	0.68	9.4	43	1.35	439	1.03	0.06	0.16	38.8	690	3	35.1	0.002	0.37	0.11	6.3	0.6	0.4	15.7	<0.01	0.13	5.2	0.098	0.2	0.64	81	0.26	4.57	91	<0.5
46031	0.001	0.11	2.34	54.3	<0.2	<10	370	0.09	0.12	0.22	0.03	21.4	12.7	52	3.21	22.8	3.07	8.86	0.1	0.02	<0.01	0.037	1.27	10.8	42.9	1.19	384	0.81	0.11	0.28	27.8	670	1.1	49.3	0.001	0.23	<0.05	10.4	0.4	0.9	12.3	<0.01	0.04	3.1	0.187	0.32	0.52	94	0.33	4.3	50	0.5
46032	0.001	0.1	2.81	52.6	<0.2	<10	510	0.14	0.15	0.49	0.05	18.45	15.3	85	3.53	37.9	3.55	9.51	0.12	0.03	0.01	0.047	1.45	9.1	42.6	1.39	386	0.8	0.15	0.28	44.5	770	1.9	51.6	0.001	0.25	<0.05	13.7	0.6	1	26	0.01	0.04	3.5	0.207	0.32	0.55	126	4.12	5.43	67	<0.5
46033	<0.001	0.12	3.08	86.5	<0.2	<10	540	0.13	0.25	0.36	0.05	23.1	19.8	96	4.26	60.5	4.16	8.95	0.13	0.02	0.08	0.055	1.69	11.4	44.1	1.59	439	1.12	0.12	0.32	61.4	900	2	58.8	0.002	0.34	<0.05	16.6	0.6	1.3	18.1	0.01	0.08	4.4	0.243	0.42	0.7	144	41.9	5.52	29	<0.5
46034	<0.001	0.11	3.19	75.2	<0.2	<10	520	0.14	0.18	0.35	0.06	18.65	18.3	100	4.09	51.5	4.38	9.9	0.14	0.02	<0.01	0.048	1.77	8.8	51.9	1.7	455	1.32	0.11	0.39	56	760	2.2	76.2	0.001	0.29	<0.05	16.9	0.7	1.2	23.6	0.01	0.05	3	0.261	0.38	0.48	150	0.34	4.22	30	<0.5
46035	0.001	0.1	3.43	134.5	<0.2	<10	670	0.14	0.2	0.42	0.04	18.25	20	135	4.58	39.3	4.33	12.5	0.14	0.02	<0.01	0.05	1.95	8.8	65.4	1.82	517	1.86	0.14	0.34	67.9	750	1.8	85.5	<0.001	0.23	<0.05	16.9	0.6	1.3	27.6	0.01	0.06	4.2	0.26	0.43	0.62	143	0.87	4.61	77	<0.5
46036	0.001	0.1	3.46	94.4	<0.2	<10	520	0.26	0.13	0.91	0.05	16	17.7	163	3.49	35.4	3.59	11.55	0.15	0.02	0.01	0.041	1.5	7.9	49.4	1.8	427	1.25	0.23	0.27	73.9	640	2.9	63.3	<0.001	0.14	<0.05	14.2	0.5	1.1	62.4	0.01	0.04	3.9	0.206	0.33	0.64	122	8.98	5.99	80	<0.5
46037	0.006	0.14	4.34	330	<0.2	<10	350	0.46	0.14	2.57	0.08	11.3	20.5	114	2.17	51.8	3.31	11.25	0.12	0.03	<0.01	0.03	0.91	5.7	39.9	1.5	508	1.26	0.23	0.29	59.7	1190	4.3	39.5	<0.001	0.25	0.07	11.1	0.5	0.7	217	0.01	0.11	3.5	0.155	0.21	0.63	97	2.4	7.19	66	0.6
46038	0.003	0.09	7.58	753	<0.2	<10	190	1.01	0.07	5.12	0.1	1.42	39.3	69	0.25	71	1.85	12.25	0.17	0.05	0.01	0.01	0.14	0.5	7.8	0.74	303	0.26	0.29	0.31	53.9	830	5	6.5	<0.001	0.34	0.07	7.3	0.6	0.5	724	0.01	0.17	<0.2	0.162	0.04	0.06	48	0.92	5.81	24	1.1
46039	0.001	0.1	4.89	336	<0.2	<10	310	0.39	0.15	2.28	0.06	9.02	29	110	2.77	59.8	3.56	11.4	0.15	0.04	<0.01	0.032	1.27	4.3	44.8	1.58	507	0.81	0.21	0.29	60.1	670	3.2	56.1	0.001	0.31	<0.05	14.3	0.6	0.7	229	0.01	0.11	2.1	0.235	0.28	0.32	120	0.89	5.74	72	0.7
46040	0.001	0.13	3.02	385	<0.2	<10	400	0.11	0.24	0.36	0.06	19.95	18.6	86	4.06	48.7	4.21	10.9	0.12	0.02	<0.01	0.042	1.73	9.3	56.8	1.59	515	1.16	0.1	0.36	52.7	850	1.5	77.1	0.001	0.42	<0.05	12.8	0.7	1.2	18.7	0.01	0.17	3.3	0.227	0.4	0.57	123	0.31	4.13	66	0.5
B-24	0.003	0.06	4.67	1.9	<0.2	<10	10	0.08	0.01	2.67	0.05	4.06	23.1	89	<0.05	214	3.71	8.18	0.13	0.17	<0.01	0.008	0.02	1.6	1.2	1.5	385	0.21	0.5	0.15	64.7	340	0.2	0.6	<0.001	0.05	<0.05	4.2	0.5	0.2	47.7	0.01	0.05	<0.2	0.233	<0.02	<0.05	109	0.05	7.59	34	5.2
46041	0.001	0.15	2.7	328	<0.2	<10	340	0.12	0.27	0.29	0.07	21.6	16.3	67	3.68	49.8	3.99	9.67	0.11	0.03	<0.01	0.037	1.48	10.2	49	1.43	450	1.22	0.09	0.35	44.9	840	1.8	69.4	<0.001	0.46	<0.05	10.3	0.7	1	10.1	0.01	0.16	3.8	0.197	0.36	0.67	103	0.32	4.07	35	0.6
46042	0.004	0.1	2.74	1910	<0.2	<10	420	0.15	0.66	0.51	0.07	19.7	13.7	73	3.46	30.6	3.69	10.9	0.12	0.03	<0.01	0.041	1.42	9.2	50.3	1.46	440	1.3	0.13	0.33	35	1320	2	62.8	<0.001	0.38	0.09	13.3	0.8	1	22.9	0.01	0.71	4.1	0.188	0.32	0.77	134	0.3	6.05	64	0.5
46043	0.006	0.11	2.24	135	<0.2	<10	260	0.14	0.67	0.23	0.04	14.8	16.2	62	2.21	50.8	3.35	6.66	0.09	<0.02	<0.01	0.027	0.86	7.3	34.1	1.21	379	1.29	0.05	0.25	58.1	290	1.7	38.2	<0.001	0.23	0.06	9.3	0.5	0.5	7	<0.01	0.18	2.8	0.137	0.2	0.35	87	0.08	2.49	21	<0.5
46044	0.001	0.18	3.17	47.1	<0.2	<10	410	0.2	0.3	1.41	0.07	16.85	16.9	91	3.4	52.4	3.93	8.89	0.11	0.02	0.01	0.042	1.38	7.8	37.8	1.54	486	1.13	0.13	0.29	54.7	880	9.2	57.9	0.001	0.37	0.1	13.2	0.8	1	60.2	0.01	0.08	2.9	0.195	0.31	0.58	125	3.2	5.05	30	<0.5
46045	0.001	0.26	3.35	28.9	<0.2	<10	520	0.13	0.19	1.84	0.04	12.2	18	95	4.5	53.3	4.17	8.62	0.11	0.02	<0.01	0.05	1.8	6	36.4	1.64	463	1.28	0.11	0.29	59.6	710	2.5	76.3	0.001	0.49	0.05	15.9	0.7	1.3	45.6	<0.01	0.05	2	0.242	0.4	0.41	143	0.74	3.73	16	<0.5

VA11001982 - Finalized
CLIENT : "MILBAVE - Mill Bay Ventures"
# of SAMPLES : 15
DATE RECEIVED : 2011-01-04 DATE FINALIZED : 2011-01-10
PROJECT : "Valentine"
CERTIFICATE COMMENTS : ""
PO NUMBER : " "

SAMPLE DESCRIPTION	Au-SCR24 Au Total (+)(-) Combined ppm	Au-SCR24 Au (+) Fraction ppm	Au-SCR24 Au (-) Fraction ppm	Au-SCR24 Au (+) mg mg	Au-SCR24 WT. + Frac Entire g	Au-SCR24 WT. - Frac Entire g	Au-AA26 Au ppm	Au-AA26D Au ppm
46038	<0.05	<0.05	<0.05	<0.001	10.94	1014	<0.01	<0.01
46042	<0.05	<0.05	<0.05	<0.001	32.28	859.1	0.03	0.03

VA10198819 - Finalized
CLIENT : "MILBAVE - Mill Bay Ventures"
# of SAMPLES : 6
DATE RECEIVED : 2010-12-23 DATE FINALIZED : 2011-01-10
PROJECT : "Valentine"
CERTIFICATE COMMENTS : ""
PO NUMBER : " "

SAMPLE DESCRIPTION	Au-SCR24 Au Total (+)(-) Combined ppm	Au-SCR24 Au (+) Fraction ppm	Au-SCR24 Au (-) Fraction ppm	Au-SCR24 Au (+) mg mg	Au-SCR24 WT. + Frac Entire g	Au-SCR24 WT. - Frac Entire g	Au-AA26 Au ppm	Au-AA26D Au ppm
286326	1.39	6.95	0.87	0.309	44.46	475.1	0.9	0.83
286346	0.24	1.89	0.17	0.088	46.59	1023.5	0.21	0.13

VA11003890 - Finalized
CLIENT : "MILBAVE - Mill Bay Ventures"
# of SAMPLES : 12
DATE RECEIVED : 2011-01-11 DATE FINALIZED : 2011-01-14
PROJECT : "Valentine"
CERTIFICATE COMMENTS : ""
PO NUMBER : " "

SAMPLE DESCRIPTION	Au-SCR24 Au Total (+)(-) Combined ppm	Au-SCR24 Au (+) Fraction ppm	Au-SCR24 Au (-) Fraction ppm	Au-SCR24 Au (+) mg mg	Au-SCR24 WT. + Frac Entire g	Au-SCR24 WT. - Frac Entire g	Au-AA26 Au ppm	Au-AA26D Au ppm
46334	0.08	0.06	0.09	0.005	84.34	896.2	0.09	0.08
46335	<0.05	<0.05	<0.05	<0.001	49.86	850.3	0.01	0.01

Valentine Mountain Project Drill Core Log and Sample Record

Date/Target:	**November, 2010 / Discovery Zone north - near 87-14**								**Acid Tests:**	**Hole Number:**		**10-6**	
Location:	**UTM NAD83 Zone 10N 434547E 5374340N 802 m. elevation uncorrected**								**none**	**Collar Azimuth:**		**0**	
Total Length:	**738 feet = 224.94 metres**									**Collar Dip:**		**-90**	
FROM ft	**TO ft**	**WIDTH ft**	**Lithology**	**% Chlorite**	**% Carbonate**	**% Qtz vns**	**% sulphide**	**RQD (% >**	**Recovery**	**Sample N**	**FROM ft**	**TO ft**	**WIDTH ft**	**description**
2	5	5	3	1	2	1	1	0	70					0'-2' casing, 2'-479' Unit 3 Amphibolite (metavolcanic)
5	10	5	3	1	2	1	1	22	80					
10	15	5	3	1	2	1	1	50	80					
15	20	5	3	1	2	1	1	92	100					
20	25	5	3	1	2	1	1	100	100					
25	30	5	3	1	2	1	1	92	100					
30	35	5	3	1	2	1	1	100	100					
35	40	5	3	1	2	1	1	100	100					
40	45	5	3	1	2	1	1	96	100					
45	50	5	3	1	2	1	1	98	100					
50	55	5	3	1	2	4	1	95	100	286316	51.2	53	1.8	8% qtz, 0.1-0.5 cm vns @ 30 degrees to ca, 1% cal, 1% diss & fract fill py
55	60	5	3	1	2	3	1	100	100	286317	53	57.4	4.4	3% qtz, 0.1-1.5 cm vns @ 40-50 degrees to ca, 1% cal, 1% diss & fract fill py
60	65	5	3	1	2	3	1	78	100	286318	57.4	60.5	3.1	3% qtz, 0.1-1 cm vns @ 30 + 70 degrees to ca, 2% cal, 2% epidote, 1% diss & fract fill py, foliation contorted @30-70 deg to ca
65	70	5	3	1	2	3	1	95	100	286319	60.5	64.6	4.1	3% qtz, 0.1-1 cm vns @ 30 + 70 degrees to ca, 2% cal, 2% epidote, 1% diss & fract fill py, foliation contorted @30-70 deg to ca
70	75	5	3	1	2	3	1	98	100	286320	64.6	70.9	6.3	3% qtz, 0.1-1 cm vns @ 30 + 70 degrees to ca, 2% cal, 5% epidote, 1% diss & fract fill py
75	80	5	3	1	2	3	1	95	100	286321	70.9	74.9	4	3% qtz, 0.1-1 cm vns @ 30 + 70 degrees to ca, 2% cal, 8% epidote, 1% diss & fract fill py
80	85	5	3	1	2	3	1	95	100	286322	74.9	79.2	4.3	3% qtz, 0.1-1 cm vns @ 30 + 70 degrees to ca, 2% cal, 10% epidote, 1% diss & fract fill py
85	90	5	3	1	2	3	1	100	100	286323	79.2	81.6	2.4	3% qtz, 0.1-1 cm vns @ 30 + 70 degrees to ca, 2% cal, 1% diss & fract fill py, 10% epidote as 1-3 cm wide bands, ductile (deforms plastically)
90	95	5	3	2	2	7	4	100	100	286324	81.6	83.1	1.5	15% qtz, 0.1-2 cm vns @ 30-40 degrees to ca (breccia vein textures), 2% cal, 5% epidote, 3% diss & fract fill pyo, 1% py
95	100	5	3	1	2	4	1	100	100	286325	83.1	86.6	3.5	5% qtz, 0.1-0.5 cm vns @ 40 degrees to ca, 1% cal, 1% epidote, 1% diss & fract fill py
100	105	5	3	1	2	1	1	100	100					
105	110	5	3	1	2	1	1	98	100					
110	115	5	3	1	2	1	1	97	100					
115	120	5	3	1	2	1	1	98	100					
120	125	5	3	1	2	1	1	100	100					
125	130	5	3	1	2	1	1	100	100					
130	135	5	3	1	2	1	1	95	100					
135	140	5	3	1	2	1	1	100	100					
140	145	5	3	1	2	1	1	100	100					
145	150	5	3	1	2	1	1	100	100					
150	155	5	3	1	2	8	1	100	100	286326	154.1	155.6	1.5	8% qtz, 0.1-4 cm vns @ 20 + 80 degrees to ca, 1% cal, 1% epidote, 1% diss & fract fill py
155	160	5	3	1	2	4	1	78	100	286327	155.6	159.8	4.2	4% qtz, 0.1-3 cm vns @ 20 + 80 degrees to ca, 2% cal, 1% epidote, 1% diss & fract fill py
160	165	5	3	1	2	4	1	100	100	286328	159.8	163.6	3.8	4% qtz, 0.1-1 cm vns @ 45 + 75 degrees to ca, 2% cal, 3% epidote, 1% diss & fract fill py
165	170	5	3	1	2	4	1	25	100	286329	163.6	169	5.4	4% qtz, 0.1-1 cm vns @ 45 + 75 degrees to ca, 2% cal, 3% epidote, 1% diss & fract fill py
170	175	5	3	1	2	4	1	95	100	286330	169	173.5	4.5	4% qtz, 0.1-1 cm vns @ 45 + 75 degrees to ca, 2% cal, 3% epidote, 1% diss & fract fill py
175	180	5	3	1	2	4	1	100	100	286331	173.5	178	4.5	4% qtz, 0.1-1 cm vns @ 45 + 75 degrees to ca, 2% cal, 3% epidote, 1% diss & fract fill py
180	185	5	3	1	2	4	1	100	100	286332	178	182.8	4.8	4% qtz, 0.1-2 cm vns @ 15 + 75 degrees to ca, 2% cal, 15% epidote as 11 cm wide vein at 180.2-181.2 (sharp contact @55 deg), 1% diss & fract fill py
185	190	5	3	1	2	3	1	100	100	286333	182.8	187.3	4.5	3% qtz, 0.1-1 cm vns @ 45 degrees to ca, 2% cal, 3% epidote, 1% diss & fract fill py
190	195	5	3	1	2	3	1	100	100	286334	187.3	192.1	4.8	3% qtz, 0.1-1 cm vns @ 45 degrees to ca, 2% cal, 3% epidote, 1% diss & fract fill py
195	200	5	3	1	2	3	1	82	100	286335	192.1	196.5	4.4	3% qtz, 0.1-1 cm vns @ 45 degrees to ca, 2% cal, 3% epidote, 1% diss & fract fill py
200	205	5	3	1	2	1	1	94	100					
205	210	5	3	1	2	1	1	85	100					
210	215	5	3	1	2	3	1	85	100	286336	207.7	214	6.3	3% qtz, 0.1-1 cm vns @ 45 degrees to ca, 1% cal, 1% epidote, 1% diss & fract fill py
215	220	5	3	1	2	4	1	100	100	286337	214	219.8	5.8	5% qtz, 0.1-2 cm vns @ 30 + 80 degrees to ca, 2% cal, 1% epidote, 1% diss & fract fill py
220	225	5	3	1	2	5	1	100	100	286338	219.8	225	5.2	5% qtz, 0.1-2 cm vns @ 30 + 80 degrees to ca, 2% cal, 1% epidote, 1% diss & fract fill py
225	230	5	3	1	2	5	1	84	100	286339	225	230	5	5% qtz, 0.1-2 cm vns @ 30 + 80 degrees to ca, 2% cal, 1% epidote, 1% diss & fract fill py, weak clay alteration at 228.0-228.8
230	235	5	3	1	2	1	1	95	100					
235	240	5	3	1	2	5	1	95	100	286340	239	244.2	5.2	5% qtz, 0.1-2 cm vns @ 30 + 80 degrees to ca, 2% cal, 1% epidote, 1% diss & fract fill py
240	245	5	3	1	2	5	1	100	100	286341	244.2	245.6	1.4	6% qtz, 0.1-6 cm vns @ 10 + 40 + 70 degrees to ca, 2% cal, 1% epidote, 1% diss & fract fill py
245	250	5	3	1	2	5	1	100	100	286342	245.6	250	4.4	5% qtz, 0.1-3 cm vns @ 10 + 30 + 50 degrees to ca, 2% cal, 1% epidote, 1% diss & fract fill py
250	255	5	3	1	2	5	1	98	100	286343	250	255.1	5.1	5% qtz, 0.1-3 cm vns @ 30 + 85 degrees to ca, 2% cal, 1% epidote, 1% diss & fract fill py
255	260	5	3	1	2	5	1	100	100	286344	255.1	260	4.9	5% qtz, 0.1-3 cm vns @ 30 + 85 degrees to ca, 2% cal, 1% epidote, 1% diss & fract fill py
260	265	5	3	1	2	5	1	100	100	286345	260	265.2	5.2	5% qtz, 0.1-3 cm vns @ 30 + 85 degrees to ca, 2% cal, 1% epidote, 1% diss & fract fill py
265	270	5	3	1	2	5	1	90	100	286346	265.2	270	4.8	5% qtz, 0.1-3 cm vns @ 30 + 85 degrees to ca, 2% cal, 1% epidote, 1% diss & fract fill py
270	275	5	3	1	2	5	1	100	100	286347	270	275.2	5.2	5% qtz, 0.1-3 cm vns @ 30 + 85 degrees to ca, 2% cal, 1% epidote, 1% diss & fract fill py
275	280	5	3	1	2	5	1	100	100	286348	275.2	280	4.8	5% qtz, 0.1-3 cm vns @ 30 + 85 degrees to ca, 2% cal, 1% epidote, 1% diss & fract fill py
280	285	5	3	1	2	5	1	100	100	286349	280	285.4	5.4	5% qtz, 0.1-3 cm vns @ 30 + 85 degrees to ca, 2% cal, 1% epidote, 1% diss & fract fill py
285	290	5	3	1	2	5	1	98	100	286350	285.4	290	4.6	5% qtz, 0.1-3 cm vns @ 30 + 85 degrees to ca, 2% cal, 1% epidote, 1% diss & fract fill py
290	295	5	3	1	2	2	1	100	100	46001	290	295.3	5.3	2% qtz, 0.1-1.5 cm vns @ 15 + 80 degrees to ca, 2% cal, 1% epidote, 1% diss & fract fill py
295	300	5	3	1	2	3	1	95	100	46002	295.3	300	4.7	2% qtz, 0.1-1.5 cm vns @ 15 + 80 degrees to ca, 2% cal, 1% epidote, 1% diss & fract fill py, minor actinolite/chlorite clots
300	305	5	3	1	2	3	1	100	100	46003	300	305	5	3% qtz, 0.1-1 cm vns @45-60 degrees to ca, 1% cal, 1% epidote, 1% diss & fract fill py, foliation @45-60 deg to ca
305	310	5	3	1	2	3	1	100	100	46004	305	310	5	3% qtz, 0.1-1 cm vns @45-60 degrees to ca, 1% cal, 1% epidote, 1% diss & fract fill py
310	315	5	3	1	2	5	1	98	100	46005	310	315.2	5.2	5% qtz, 0.1-1.5 cm vns @45-60 degrees to ca, 1% cal, 1% epidote, 1% diss & fract fill py
315	320	5	3	1	2	2	1	85	100	46006	315.2	320	4.8	2% qtz, 0.1-1 cm vns @45-55 degrees to ca, 1% cal, 1% epidote, 1% diss & fract fill py
320	325	5	3	1	2	2	1	100	100	46007	320	325.2	5.2	2% qtz, 0.1-1 cm vns @45-55 degrees to ca, 1% cal, 1% epidote, 1% diss & fract fill py
325	330	5	3	1	2	2	1	100	100	46008	325.2	330	4.8	2% qtz, 0.1-1 cm vns @45-55 degrees to ca, 1% cal, 1% epidote, 1% diss & fract fill py
330	335	5	3	1	2	5	1	100	100	46009	330	335	5	5% qtz, 0.1-1.5 cm vns @45-55 degrees to ca, 1% cal, 1% epidote, 1% diss & fract fill py
335	340	5	3	1	2	5	1	93	100	46010	335	340	5	5% qtz, 0.1-1.5 cm vns @45-55 degrees to ca, 1% cal, 1% epidote, 1% diss & fract fill py
340	345	5	3	1	2	5	1	90	100	46011	340	344.7	4.7	5% qtz, 0.1-1.5 cm vns @10 + 30 + 80 degrees to ca, 2% cal, 1% epidote, 1% diss & fract fill py, contorted foliation
345	350	5	3	1	2	8	1	91	100	46012	344.7	350	5.3	8% qtz, 0.1-2 cm vns @10 + 30 + 80 degrees to ca, 2% cal, 1% epidote, 1% diss & fract fill py, contorted foliation
350	355	5	3	2	2	10	3	92	100	46013	350	355.4	5.4	10% qtz, 0.1-14 cm vns @30 + 80 degrees to ca, 2% cal, 2% diss & fract fill pyo, 1% py, 10% chlorite
355	360	5	3	1	2	3	1	100	100	46014	355.4	360	4.6	3% qtz, 0.1-1 cm vns @30-50 degrees to ca, 2% cal, 1% diss & fract fill py
360	365	5	3	1	2	3	4	100	100	46015	360	365	5	4% qtz, 0.1-1 cm vns @30-50 degrees to ca, 1% cal, 3% c gr diss sub-hedral pyo (1-4 mm blebs & xtals),1% diss & fract fill py
365	370	5	3	1	2	3	1	96	100	46016	365	370	5	3% qtz, 0.1-1 cm vns @30-50 degrees to ca, 2% cal, ,1% diss & fract fill py, contorted zone, ductile (deforms plastically)
370	375	5	3	1	2	3	1	100	100	46017	370	375.4	5.4	3% qtz, 0.1-1 cm vns @30-50 degrees to ca, 2% cal, 1% diss & fract fill py
375	380	5	3	1	2	6	1	92	100	46018	375.4	381	5.6	6% qtz, 0.1-1 cm vns @30-50 degrees to ca, 2% cal, 1% diss & fract fill py
380	385	5	3	1	2	3	1	100	100	46019	381	387	6	3% qtz, 0.1-0.5 cm vns @30 degrees to ca, 2% cal, 1% diss & fract fill py
385	390	5	3	1	2	1	1	96	100					
390	395	5	3	1	2	1	1	100	100					
395	400	5	3	1	2	1	1	96	100					
400	405	5	3	1	2	1	1	100	100					
405	410	5	3	1	2	1	1	100	100					
410	415	5	3	1	2	1	1	100	100					
415	420	5	3	1	2	1	1	100	100					
420	425	5	3	1	2	1	1	100	100					
425	430	5	3	1	2	1	1	98	100					
430	435	5	3	1	2	1	1	100	100					
435	440	5	3	1	2	6	1	100	100	46020	435	440	5	6% qtz, 0.1-3 cm vns @50-60 degrees to ca, 2% cal, 1% diss & fract fill py
440	445	5	3	1	2	3	1	98	100	46021	440	445	5	3% qtz, 0.1-1.5 cm vns @45-60 degrees to ca, 2% cal, 1% epidote, 1% diss & fract fill py
445	450	5	3	1	2	3	1	94	100	46022	445	450	5	3% qtz, 0.1-1.5 cm vns @45-60 degrees to ca, 2% cal, 1% epidote, 1% diss & fract fill py
450	455	5	3	1	2	3	1	100	100	46023	450	455	5	3% qtz, 0.1-1.5 cm vns @45-60 degrees to ca, 2% cal, 1% epidote, 1% diss & fract fill py
455	460	5	3	1	2	3	1	100	100	46024	455	459	4	3% qtz, 0.1-1.5 cm vns @45-60 degrees to ca, 2% cal, 1% epidote, 1% diss & fract fill py
460	465	5	3	1	2	3	1	100	100	46025	459	464	5	3% qtz, 0.1-1.5 cm vns @45-60 degrees to ca, 2% cal, 1% epidote, 1% diss & fract fill py
465	470	5	3	1	2	3	1	100	100	46026	464	469	5	3% qtz, 0.1-1.5 cm vns @45-60 degrees to ca, 2% cal, 1% epidote, 1% diss & fract fill py
470	475	5	3	1	2	3	1	83	100	46027	469	474	5	3% qtz, 0.1-1.5 cm vns @45-60 degrees to ca, 2% cal, 1% epidote, 1% diss & fract fill py
475	480	5	3 + 2	1	2	5	1	100	100	46028	474	479	5	5% qtz, 0.1-2.5 cm vns @10 + 40 degrees to ca, 2% cal, 1% epidote, 1% diss & fract fill py, 479'-484' Unit 2 gneiss (metasandstone)
480	485	5	2 + 1	1	1	5	1	88	100	46029	479	484	5	5% qtz, 0.1-2.5 cm vns @45 degrees to ca, 2% chlorite, 1% diss & fract fill py, foliation @45 deg to ca
485	490	5	2 + 1	1	1	4	1	40	100	46030	484	491	7	4% qtz, 0.1-1 cm vns @45 degrees to ca, 2% chlorite, 1% diss & fract fill py, foliation contorted, broken ground at 484.7-485, 484'-504' Unit 1 schist (metapelite)
490	495	5	1	1	1	2	1	80	100					
495	500	5	1	1	1	1	1	20	100					
500	505	5	2 + 1	1	1	5	3	88	100	46031	503	508	5	5% qtz, 0.1-1.5 cm vns @30 degrees to ca, 2% diss & fract fill pyo, 1% py, increased qtz-pyo-py at 503-504, foliation at 30 deg to ca, 504'-510' Unit 2 gneiss (metasandstone)
505	510	5	2	2	1	15	4	100	100	46032	508	513.5	5.5	15% qtz, 0.1-14 cm vns @40-60 degrees to ca,, 3% diss & fract fill pyo (near qtz vn contacts), 1% py, weak breccia vein textures, 510'-539' Unit 1 schist (metapelite)
510	515	5	1	3	1	4	5	100	100	46033	513.5	518	4.5	4% qtz, 0.1-2 cm vns @35-45 degrees to ca, 2% cal, 1% epidote, 4% diss & fract fill pyo, 1% py
515	520	5	1	1	1	3	1	100	100	46034	518	522.2	4.2	3% qtz, 0.1-0.5 cm vns @15 + 45 + 80 degrees to ca, 1% diss & fract fill py
520	525	5	1	2	1	12	2	98	100	46035	522.2	528	5.8	12% qtz, 0.1-4 cm vns @68 degrees to ca, 2% diss & fract fill py
525	530	5	1	1	1	2	1	100	100					
530	535	5	1	1	1	2	1	100	100	46036	528	535.4	7.4	2% qtz, 0.1-0.3 cm vns @60-80 degrees to ca, 1% diss & fract fill py
535	540	5	3 + 1	1	1	5	1	98	100	46037	535.4	540	4.6	5% qtz, 0.1-2 cm vns @40 degrees to ca, 1% diss & fract fill py, 5% chlorite, 539'-549.5' Unit 3 amphibolite (metavolcanic)
540	545	5	3	1	1	5	1	100	100	46038	540	545	5	5% qtz, 0.1-2 cm vns @40 degrees to ca, 1% diss & fract fill py, 12% chlorite
545	550	5	3 + 1	1	1	3	1	98	100	46039	545	549.5	4.5	3% qtz, 0.1-1 cm vns @30 + 60 degrees to ca, 1% diss & fract fill py, 549.5'-750' Unit 1 schist (metapelite)
550	555	5	1	1	1	3	1	100	100	46040	549.5	554.2	4.7	3% qtz, 0.1-1 cm vns @30 + 60 degrees to ca, 1% diss & fract fill py
555	560	5	1	1	1	3	1	100	100	46041	554.2	558.8	4.6	3% qtz, 0.1-1 cm vns @30 + 60 degrees to ca, 1% diss & fract fill py
560	565	5	1	1	1	6	1	100	100	46042	558.8	561.5	2.7	8% qtz, 0.1-3.5 cm vns @10-40 degrees to ca, 1% diss & fract fill py
565	570	5	1	1	1	1	1	100	100					
570	575	5	1	1	1	1	1	87	100					
575	580	5	1	1	1	1	1	100	100					
580	585	5	1	1	1	1	1	100	100					
585	590	5	1	1	1	1	1	98	100					
590	595	5	1	1	1	1	1	90	100					
595	600	5	1	1	1	1	1	83	100					
600	605	5	1	1	1	1	1	100	100					
605	610	5	1	1	1	1	1	98	100					
610	615	5	1	1	1	1	1	100	100					
615	620	5	1	2	2	8	1	100	100	46043	617.4	618.6	1.2	20% qtz, 0.1-3.5 cm vns sharp contacts @20 degrees to ca, 1% epidote,1% diss & fract fill py
620	625	5	1	1	1	1	1	95	100					
625	630	5	1	1	1	1	1	89	100					
630	635	5	1	1	1	1	1	90	100					
635	640	5	1	1	1	1	1	88	100					
640	645	5	1	1	1	1	1	68	100					
645	650	5	1	1	1	1	1	93	100					
650	655	5	1	1	1	1	1	88	100					
655	660	5	1	1	1	1	1	78	100					
660	665	5	1	1	1	1	1	100	100					
665	670	5	1	1	1	3	1	98	100	46044	668.7	673.5	4.8	3% qtz, 0.1-1.5 cm vns @45-60 degrees to ca, 1% epidote, 1% diss & fract fill py
670	675	5	2	1	1	5	1	100	100	46045	673.5	678.3	4.8	5% qtz, 0.1-1.5 cm vns @45-60 degrees to ca, 1% diss & fract fill py, minor broken ground, trace graphite
675	680	5	1	1	1	1	1	100	100					
680	685	5	1	1	1	1	1	70	100					
685	690	5	1	1	1	1	1	100	100					
690	695	5	1	1	1	1	1	93	100					
695	700	5	1	1	1	1	1	95	100					
700	705	5	1	1	1	1	1	95	100					
705	710	5	1	1	1	1	1	95	100					
710	715	5	1	1	1	1	1	100	100					
715	720	5	1	1	1	1	1	100	100					
720	725	5	1	1	1	1	1	100	100					
725	730	5	1	1	1	1	1	95	100					
730	735	5	1	1	1	1	1	100	100					
735	740	5	1	1	1	1	1	100	100					
740	745	5	1	1	1	1	1	95	100					
745	750	5	1	1	1	1	1	100	100					

Valentine Mountain Project Drill Core Log and Sample Record

Date/Target:	**November, 2010 / Discovery Zone southeast extension**		**Pajari Test**	**Azimuth**	**Dip**	**Hole Number:**		**10-7**	
Location:	**UTM NAD83 Zone 10N 434593E 5374216N 819 m. elevation uncorrected**		**749 feet**	**325**	**-52**	**Collar Azimuth:**		**0**	
Total Length:	**749 feet = 228.30 metres**		**228.3 metres**	**325**	**-52**		**Collar Dip:**	**-65**	
Interval (m)	**Description**	**Rx**	**Sample No**	**From (m)**	**To (m)**	**Length (m)**	**Au g/t**	**Ag g/t**	**As ppm**
0.76	Overburden	casing		0.00	0.76	0.76			
3.26	Metasandstone	2		0.76	4.02	3.26			
1.22	Metasandstone	2	46046	4.02	5.24	1.22	0.003	0.1	63.9
1.46	Metasandstone	2	46047	5.24	6.71	1.46	0.001	0.07	4.6
0.76	Qiartz Vein	6	46048	6.71	7.47	0.76	0.001	0.08	18.5
1.37	Metasandstone	2	46049	7.47	8.84	1.37	0.001	0.05	13.7
1.22	Metasandstone	2	46050	8.84	10.06	1.22	0.001	0.07	3.3
1.37	Metasandstone	2	46051	10.06	11.43	1.37	0.003	0.04	1.6
1.22	Metasandstone	2	46052	11.43	12.65	1.22	0.001	0.06	2.1
1.37	Metasandstone	2	46053	12.65	14.02	1.37	<0.001	0.05	3.9
1.52	Metasandstone	2	46054	14.02	15.54	1.52	0.001	0.06	5.2
1.52	Metasandstone	2	46055	15.54	17.07	1.52	<0.001	0.06	2.4
1.68	Metasandstone	2	46056	17.07	18.75	1.68	0.001	0.08	2.1
1.83	Metasandstone	2	46057	18.75	20.57	1.83	0.001	0.06	1.9
4.72	Metasandstone	2		20.57	25.30	4.72			
0.91	Metasandstone	2	46058	25.30	26.21	0.91	0.001	0.06	23.5
0.61	Metasandstone (with visible gold)	2	46059	26.21	26.82	0.61	2.68	1.28	2310
0.91	Metasandstone	2	46060	26.82	27.74	0.91	0.009	0.1	86.4
1.52	Metasandstone	2	46061	27.74	29.26	1.52	0.001	0.1	3.9
9.45	Metasandstone	2		29.26	38.71	9.45			
1.37	Metasandstone	2	46062	38.71	40.08	1.37	0.001	0.1	9.1
1.68	Metasandstone	2	46063	40.08	41.76	1.68	<0.001	0.08	7.9
3.96	Metasandstone	2		41.76	45.72	3.96			
0.46	Qiartz Vein	6	46064	45.72	46.18	0.46	0.003	0.03	5.3
15.70	Metasandstone	2		46.18	61.87	15.70			
0.91	Qiartz Vein	6	46065	61.87	62.79	0.91	0.002	0.08	9.1
0.91	Qiartz Vein	6	46066	62.79	63.70	0.91	0.001	0.06	3.1
1.52	Qiartz Vein	6	46067	63.70	65.23	1.52	<0.001	0.04	3
1.52	Metapelite	1	46068	65.23	66.75	1.52	0.002	0.06	1.4
1.37	Metapelite	1	46069	66.75	68.12	1.37	0.001	0.08	4.3
1.37	Metapelite	1	46070	68.12	69.49	1.37	0.003	0.11	3.2
3.66	Metapelite	1		69.49	73.15	3.66			
1.22	Metapelite	1	46071	73.15	74.37	1.22	0.003	0.17	17.5
1.22	Metapelite	1	46072	74.37	75.59	1.22	0.006	0.17	284
1.52	Metapelite	1	46073	75.59	77.11	1.52	0.001	0.13	66.8
1.37	Metapelite	1	46074	77.11	78.49	1.37	0.034	0.15	159
1.37	Metapelite	1	46075	78.49	79.86	1.37	0.001	0.11	12.6
1.37	Metapelite	1	46076	79.86	81.23	1.37	0.001	0.09	2.9
9.45	Metapelite	1		81.23	90.68	9.45			
0.61	Metapelite	1	46077	90.68	91.29	0.61	0.089	0.15	69.5
1.13	Metapelite	1	46078	91.29	92.42	1.13	0.005	0.17	12
1.77	Metapelite	1	46079	92.42	94.18	1.77	0.026	0.1	27.4
1.68	Metapelite	1	46080	94.18	95.86	1.68	0.001	0.06	22.5
1.68	Metapelite	1	46081	95.86	97.54	1.68	0.004	0.1	35.6
0.61	Quartz Vein	6	46082	97.54	98.15	0.61	0.026	0.08	9.4
1.52	Metapelite	1	46083	98.15	99.67	1.52	0.003	0.09	27.3
1.52	Metapelite	1	46084	99.67	101.19	1.52	0.098	0.07	1
1.52	Amphibolite	3	46336	101.19	102.72	1.52	<0.05		
4.88	Amphibolite	3		102.72	107.59	4.88			
1.52	Amphibolite	3	46085	107.59	109.12	1.52	0.005	0.04	1
1.83	Amphibolite	3	46086	109.12	110.95	1.83	0.008	0.04	1.6
6.40	Amphibolite	3		110.95	117.35	6.40			
1.52	Amphibolite	3	46087	117.35	118.87	1.52	0.005	0.05	0.9
1.52	Amphibolite	3	46088	118.87	120.40	1.52	0.011	0.04	1
2.04	Amphibolite	3	46089	120.40	122.44	2.04	0.006	0.04	0.7
7.71	Amphibolite	3		122.44	130.15	7.71			
2.44	Quartz Diorite	5		130.15	132.59	2.44			
4.18	Amphibolite	3		132.59	136.76	4.18			
1.62	Amphibolite	3	46090	136.76	138.38	1.62	0.024	0.05	1.2
1.43	Amphibolite	3	46091	138.38	139.81	1.43	0.079	0.06	1.2
1.46	Amphibolite	3	46092	139.81	141.27	1.46	0.027	0.06	1.4
1.68	Amphibolite	3	46093	141.27	142.95	1.68	0.007	0.07	1.6
1.52	Amphibolite	3	46094	142.95	144.48	1.52	0.011	0.08	7.2
1.52	Amphibolite	3	46095	144.48	146.00	1.52	0.04	0.08	7.4
1.52	Amphibolite	3	46096	146.00	147.52	1.52	0.006	0.04	1
16.70	Amphibolite	3		147.52	164.23	16.70			
1.58	Amphibolite	3	46097	164.23	165.81	1.58	0.006	0.09	135
7.62	Amphibolite	3		165.81	173.43	7.62			
1.52	Amphibolite	3	46098	173.43	174.96	1.52	0.005	0.07	2.3
1.68	Amphibolite	3	46099	174.96	176.63	1.68	0.007	0.06	2.1
1.68	Amphibolite	3	46100	176.63	178.31	1.68	0.008	0.04	1.5
1.37	Amphibolite	3	46101	178.31	179.68	1.37	0.007	0.05	1.4
1.52	Amphibolite	3	46102	179.68	181.20	1.52	0.022	0.06	32.1
1.98	Amphibolite	3	46103	181.20	183.18	1.98	0.004	0.05	24.6
1.22	Quartz Vein	6	46104	183.18	184.40	1.22	0.003	0.08	6
1.52	Amphibolite	3	46105	184.40	185.93	1.52	0.007	0.15	4.5
1.52	Amphibolite	3	46106	185.93	187.45	1.52	0.005	0.04	5
1.52	Amphibolite	3	46107	187.45	188.98	1.52	0.004	0.04	2.4
1.52	Amphibolite	3	46108	188.98	190.50	1.52	0.005	0.04	2.2
3.05	Amphibolite	3		190.50	193.55	3.05			
1.52	Amphibolite	3	46109	193.55	195.07	1.52	0.005	0.07	1
3.35	Amphibolite	3		195.07	198.42	3.35			
1.37	Amphibolite	3	46110	198.42	199.80	1.37	0.02	0.03	1
1.52	Amphibolite	3	46111	199.80	201.32	1.52	0.016	0.04	1.4
1.49	Amphibolite	3	46112	201.32	202.81	1.49	0.006	0.07	5.7
0.98	Amphibolite	3	46113	202.81	203.79	0.98	0.011	0.26	79.2
1.34	Metapelite	1	46114	203.79	205.13	1.34	0.005	0.12	13.8
1.43	Metapelite	1	46115	205.13	206.56	1.43	<0.05	0.16	1110
0.85	Metapelite	1	46116	206.56	207.42	0.85	0.002	0.09	41.2
1.37	Metapelite	1	46117	207.42	208.79	1.37	0.003	0.19	87.3
1.52	Metapelite	1	46118	208.79	210.31	1.52	<0.05	0.14	1235
0.91	Quartz Vein	6	46119	210.31	211.23	0.91	0.001	0.1	99.6
1.52	Metapelite	1	46120	211.23	212.75	1.52	<0.05	0.12	1040
1.52	Metapelite	1	46121	212.75	214.27	1.52	<0.05	0.18	653
10.97	Metapelite	1		214.27	225.25	10.97			
1.22	Metapelite	1	46122	225.25	226.47	1.22	<0.001	0.14	61
0.61	Quartz Vein	6	46123	226.47	227.08	0.61	0.001	0.12	138.5
1.22	Metapelite	1	46124	227.08	228.30	1.22	<0.001	0.14	104

VA10180754 - Finalized
CLIENT : "MILBAVE - Mill Bay Ventures"
# of SAMPLES : 130
DATE RECEIVED : 2010-12-02 DATE FINALIZED : 2010-12-22
PROJECT : "Valentine"
CERTIFICATE COMMENTS : "ME-MS41:Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g). "
PO NUMBER : "2"

	Au-TL44	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
SAMPLE	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
DESCRIPT	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
46046	0.003	0.1	2.98	63.9	<0.2	<10	650	0.13	0.18	0.5	0.07	11.3	16.9	65	3.07	41.5	4.08
46047	0.001	0.07	2.26	4.6	<0.2	<10	370	0.12	0.09	0.74	0.06	11.1	11.3	45	2.26	20.9	3.05
46048	0.001	0.08	2.57	18.5	<0.2	<10	480	0.19	0.12	1.12	0.09	9.47	12.2	53	2.41	28.2	3.36
46049	0.001	0.05	2.2	13.7	<0.2	<10	380	0.14	0.08	0.66	0.05	9.98	10.9	42	2.17	18.5	2.83
46050	0.001	0.07	2.6	3.3	<0.2	<10	500	0.16	0.08	0.59	0.05	8.6	12.9	48	2.12	24.9	3.27
46051	0.003	0.04	2.58	1.6	<0.2	<10	480	0.17	0.05	0.74	0.04	7.12	11.8	51	1.86	17.2	2.94
46052	0.001	0.06	2.37	2.1	<0.2	<10	440	0.11	0.05	0.53	0.04	10.15	13	60	1.69	19.1	3.13
46053	<0.001	0.05	2.51	3.9	<0.2	<10	370	0.13	0.05	0.93	0.06	7.19	13.3	51	1.81	21.1	3.13
46054	0.001	0.06	2.26	5.2	<0.2	<10	430	0.11	0.07	0.77	0.05	7.64	12.8	50	1.95	19.5	3.11
46055	<0.001	0.06	2.31	2.4	<0.2	<10	420	0.11	0.08	0.5	0.05	7.14	10.9	47	1.83	20.3	3.32
46056	0.001	0.08	2.42	2.1	<0.2	<10	520	0.12	0.11	0.75	0.07	8.39	14.6	55	2.41	29.3	3.34
46057	0.001	0.06	2.06	1.9	<0.2	<10	460	0.11	0.06	0.73	0.04	6.75	13.3	50	1.93	25.7	2.96
46058	0.001	0.06	2.4	23.5	<0.2	<10	540	0.1	0.04	0.84	0.06	8.14	14.7	57	2.02	24.7	3.31
46059	>1.00	1.28	2.08	2310	13.9	<10	390	0.16	0.06	1.18	0.1	6.13	13	47	1.77	26.3	2.86
46060	0.009	0.1	2.02	86.4	<0.2	<10	360	0.11	0.06	0.79	0.05	9.04	9.6	38	1.87	15.2	2.65
B-25	0.004	0.07	3.08	3.1	<0.2	<10	10	0.08	0.01	1.97	0.07	5.8	27.8	67	<0.05	191	4.19
46061	0.001	0.1	2.41	3.9	<0.2	<10	390	0.15	0.13	0.56	0.08	12.1	12.9	52	2.12	28	3.28
46062	0.001	0.1	2.39	9.1	<0.2	<10	330	0.2	0.13	1.99	0.21	9.09	14.1	45	2.2	36.1	3.41
46063	<0.001	0.08	2.51	7.9	<0.2	<10	370	0.17	0.12	0.63	0.1	11.95	14.2	44	2.5	29.9	3.43
46064	0.003	0.03	1.56	5.3	<0.2	<10	270	0.08	0.05	0.25	0.02	6.1	6.4	35	0.83	8.7	2.07
46065	0.002	0.08	3.02	9.1	<0.2	<10	330	0.31	0.1	2.18	0.1	8.47	12.1	40	2.09	29.2	2.9
46066	0.001	0.06	2.47	3.1	<0.2	<10	370	0.16	0.05	0.4	0.05	9.87	13.9	47	1.96	23.7	3.08
46067	<0.001	0.04	2.05	3	<0.2	<10	360	0.17	0.04	0.8	0.05	8.93	10.5	43	1.34	19.7	2.45
46068	0.002	0.06	2.19	1.4	<0.2	<10	510	0.1	0.08	0.42	0.04	9.22	12.4	55	2.11	25.5	3.06
46069	0.001	0.08	2.72	4.3	<0.2	<10	490	0.14	0.1	0.55	0.04	9.79	14.5	55	2.9	29.2	3.37
46070	0.003	0.11	2.54	3.2	<0.2	<10	330	0.14	0.15	0.76	0.05	13.65	14.6	52	3.38	38.1	3.61
46071	0.003	0.17	2.69	17.5	<0.2	<10	360	0.15	0.24	0.46	0.04	15.35	17.4	94	3.66	48.6	3.91
46072	0.006	0.17	3.63	284	<0.2	<10	570	0.18	0.23	0.55	0.05	15.25	19.1	117	4.91	48.1	4.52
46073	0.001	0.13	3.69	66.8	<0.2	<10	440	0.27	0.22	0.83	0.05	15.95	18	89	4.33	55.1	4.29
46074	0.034	0.15	3.03	159	<0.2	<10	340	0.17	0.31	0.66	0.06	16.65	17.1	81	3.92	56.9	4.2
46075	0.001	0.11	2.77	12.6	<0.2	<10	440	0.12	0.17	0.35	0.06	18.15	16	80	5.19	44	3.95
46076	0.001	0.09	2.1	2.9	<0.2	<10	470	0.1	0.07	0.37	0.05	12.45	11.3	49	3.85	25.7	2.93
46077	0.089	0.15	2.2	69.5	<0.2	<10	250	0.19	0.12	0.58	0.09	12	13.9	39	2.49	32.6	3.52
46078	0.005	0.17	2.56	12	<0.2	<10	320	0.17	0.18	0.6	0.04	16.75	14.9	65	3.42	42	3.66
46079	0.026	0.1	2.42	27.4	<0.2	<10	570	0.14	0.11	0.53	0.06	12.7	13.6	57	2.73	28	3.39
46080	0.001	0.06	2.34	22.5	<0.2	<10	610	0.13	0.07	0.8	0.06	9.94	13.3	59	2.2	26	3.26
B-26	0.007	0.08	4.35	0.1	<0.2	<10	10	0.06	0.01	2.42	0.05	5.19	27.6	44	<0.05	231	3.55
46081	0.004	0.1	2.35	35.6	<0.2	<10	470	0.13	0.07	0.78	0.06	9.69	13.8	57	2.13	25.9	3.36
46082	0.026	0.08	2.35	9.4	<0.2	<10	460	0.17	0.09	1.14	0.07	9.03	12.5	54	1.63	27.3	3.29
46083	0.003	0.09	2.07	27.3	<0.2	<10	400	0.11	0.08	0.83	0.05	8.86	14.1	57	1.55	29.8	3.16
46084	0.098	0.07	3.99	1	<0.2	<10	310	0.25	0.04	2.52	0.06	7.6	27.3	51	2.09	51.1	4.47
46085	0.005	0.04	2.74	1	<0.2	<10	90	0.12	0.01	1.18	0.03	3.11	26	168	1.43	57.7	3.55
46086	0.008	0.04	3.4	1.6	<0.2	<10	110	0.23	0.01	1.66	0.04	3.56	26.7	168	1.74	80.1	3.73
46087	0.005	0.05	4.75	0.9	<0.2	<10	150	0.31	0.02	2.17	0.04	2.59	27.7	164	2.51	70.5	3.91
46088	0.011	0.04	4.36	1	<0.2	<10	100	0.36	0.01	2.63	0.05	2.6	21.3	125	1.76	56	3.1
46089	0.006	0.04	4.13	0.7	<0.2	<10	120	0.28	0.01	2.13	0.05	2.85	26.5	154	2.36	56.9	3.68
46090	0.024	0.05	2.96	1.2	<0.2	<10	170	0.19	<0.01	2.55	0.06	3.83	34	37	3.29	61.2	4.36
46091	0.079	0.06	2.51	1.2	<0.2	<10	110	0.17	0.01	2.66	0.07	2.56	25	29	1.85	65.9	3.55
46092	0.027	0.06	2.53	1.4	<0.2	<10	80	0.14	0.01	1.82	0.04	3.13	32.3	35	2.25	65.4	4.63
46093	0.007	0.07	3.48	1.6	<0.2	<10	140	0.22	0.02	1.74	0.04	2.84	28.5	38	3.07	93.5	4.01
46094	0.011	0.08	3.79	7.2	<0.2	<10	40	0.23	0.02	2.8	0.08	3.78	26	35	1.81	67.2	3.56
46095	0.04	0.08	3.98	7.4	<0.2	<10	150	0.25	<0.01	2.09	0.04	3.1	37	211	2.77	59	5.47
46096	0.006	0.04	2.8	1	<0.2	<10	50	0.23	0.01	2.69	0.06	2.53	17.8	97	0.71	39.7	2.44
46097	0.006	0.09	2.97	135	<0.2	<10	20	0.71	0.01	7.84	0.07	17.95	37.1	88	2.4	55.3	4.68
46098	0.005	0.07	3.21	2.3	<0.2	<10	110	0.24	0.02	1.87	0.05	3.31	25.8	150	2.04	73.3	3.4
46099	0.007	0.06	3.52	2.1	<0.2	<10	100	0.28	0.03	2.2	0.04	3.11	24	134	1.61	49.5	3.01
46100	0.008	0.04	2.68	1.5	<0.2	<10	110	0.17	0.01	1.48	0.04	3.57	29.1	162	1.72	44.7	3.72
B-27	0.014	0.07	4.31	0.1	<0.2	<10	10	0.07	0.01	2.29	0.06	6.02	32.3	38	<0.05	257	3.54
46101	0.007	0.05	3.25	1.4	<0.2	<10	140	0.24	0.01	1.72	0.05	3.21	33.1	169	2.3	48.3	3.96
46102	0.022	0.06	3.98	32.1	<0.2	<10	70	0.27	0.02	3.12	0.07	6.44	37.8	200	2.73	29.7	5.51
46103	0.004	0.05	3.99	24.6	<0.2	<10	90	0.37	0.02	3.4	0.07	4.19	31.9	169	2.62	26.7	4.4
46104	0.003	0.08	3.21	6	<0.2	<10	130	0.34	0.03	2.16	0.07	1.84	29.4	144	1.14	99.7	3.38
46105	0.007	0.15	4.69	4.5	<0.2	<10	210	0.43	0.08	2.52	0.09	4.51	35.9	112	2.68	152.5	5.77
46106	0.005	0.04	2.39	5	<0.2	<10	60	0.19	0.01	3.55	0.09	3.19	20.1	146	1.35	37.2	2.61
46107	0.004	0.04	2.31	2.4	<0.2	<10	90	0.2	0.01	3.99	0.13	3.88	23.7	172	1.94	54.1	3.08
46108	0.005	0.04	1.83	2.2	<0.2	<10	60	0.19	0.01	3.67	0.09	3.3	16.2	93	1.1	49.3	2.19
46109	0.005	0.07	2.2	1	<0.2	<10	50	0.25	0.01	2.86	0.07	3.45	16.3	77	2.1	44.3	2.4
46110	0.02	0.03	3.15	1	<0.2	<10	150	0.42	0.01	3.48	0.12	6.45	26.9	87	7.42	36.2	5.05
46111	0.016	0.04	2.54	1.4	<0.2	<10	120	0.33	0.01	4.16	0.11	7.19	21.8	67	9.11	36.5	3.66
46112	0.006	0.07	3.15	5.7	<0.2	<10	100	0.25	0.04	1.59	0.05	6.04	31.1	146	1.97	45.6	4.21
46113	0.011	0.26	3.17	79.2	<0.2	<10	140	0.22	0.2	1.58	0.24	20.6	38.3	106	2.52	98.5	4.63
46114	0.005	0.12	2.34	13.8	<0.2	<10	370	0.12	0.13	0.32	0.05	14.5	13.9	55	3.29	31.4	3.47
46115	0.009	0.16	2.46	1110	<0.2	<10	240	0.19	0.29	0.66	0.07	17.55	14.5	55	2.16	40	3.63
46116	0.002	0.09	1.67	41.2	<0.2	<10	70	0.09	0.07	0.8	0.05	12.9	12.4	44	0.86	29.4	2.69
46117	0.003	0.19	2.36	87.3	<0.2	<10	200	0.14	0.2	0.52	0.07	16.5	16.4	57	2.88	57.5	3.77
46118	0.005	0.14	2.77	1235	<0.2	<10	370	0.15	0.41	0.33	0.05	15.45	18.5	77	4.29	54.2	4.07
46119	0.001	0.1	3.07	99.6	<0.2	<10	420	0.25	0.11	0.98	0.04	9.95	16.6	94	4.42	28.7	3.28
46120	0.001	0.12	3.17	1040	<0.2	<10	600	0.15	0.31	0.37	0.06	17	19.9	169	5.39	41.6	4.1
B-28	0.004	0.09	3.3	2.1	<0.2	<10	10	0.08	0.01	2.03	0.09	6.64	26.6	60	0.05	232	4.11
46121	<0.001	0.18	3.51	653	<0.2	<10	500	0.17	0.27	0.52	0.07	18.35	21.8	133	5.6	71.4	4.67
46122	<0.001	0.14	3.1	61	<0.2	<10	570	0.12	0.27	0.27	0.05	16.9	18.4	99	5.15	57.4	4.38
46123	0.001	0.12	2.43	138.5	<0.2	<10	380	0.16	0.26	0.32	0.05	15.6	19	82	3.82	47.9	3.49
46124	<0.001	0.14	3.04	104	<0.2	<10	420	0.19	0.24	0.39	0.05	19.05	19.8	85	4.19	54.5	4.3

	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
SAMPLE	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb
DESCRIPT	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
46046	11.55	0.13	0.03	<0.01	0.034	1.89	5.7	36.8	1.48	480	1.82	0.14	0.31	33.6	670	2.5	73.2
46047	9.17	0.11	0.02	<0.01	0.026	1.43	5.6	28.4	1.13	459	0.86	0.15	0.4	20.4	590	2.1	56
46048	9.07	0.1	0.03	<0.01	0.023	1.37	4.8	29.7	1.16	477	1.74	0.15	0.3	25.8	760	3.2	53.2
46049	8.69	0.1	0.02	0.01	0.023	1.36	5	27.4	1.11	442	0.62	0.12	0.34	19.5	550	1.8	50.8
46050	9.45	0.12	0.02	<0.01	0.025	1.51	4.4	31.6	1.23	455	0.84	0.16	0.28	23.2	590	1.7	54.6
46051	9.38	0.15	0.02	<0.01	0.026	1.28	3.7	32.9	1.21	406	0.55	0.18	0.21	21.3	560	1.7	42.6
46052	9.81	0.14	0.03	<0.01	0.03	1.19	5.2	34.6	1.37	398	0.54	0.18	0.24	23.6	620	1.6	38.4
46053	9.56	0.13	0.02	<0.01	0.028	1.12	3.6	32.8	1.33	452	0.79	0.16	0.23	22.6	650	2.1	37.9
46054	9.21	0.13	0.02	0.01	0.027	1.25	3.9	30.8	1.28	424	0.82	0.13	0.27	22.9	620	1.8	42.2
46055	7.46	0.08	0.02	<0.01	0.02	1.34	3.5	28.4	1.27	481	1.02	0.11	0.26	20.4	620	1.6	40.4
46056	9.77	0.12	0.02	<0.01	0.03	1.52	4.3	36.4	1.31	481	0.95	0.13	0.3	26.8	600	1.5	53.5
46057	8.4	0.12	0.02	<0.01	0.022	1.13	3.4	32.8	1.21	418	0.75	0.13	0.23	24	690	1.4	38.8
46058	10.05	0.14	0.02	<0.01	0.028	1.53	4.1	33.6	1.45	423	0.56	0.13	0.22	24	680	1.1	47.7
46059	8.32	0.09	0.02	0.01	0.02	1.18	3.1	27.3	1.16	427	0.8	0.11	0.16	20.9	610	1.6	41.2
46060	7.93	0.09	0.03	<0.01	0.018	1.21	4.7	28.7	1.04	481	0.54	0.11	0.24	16.1	480	2.1	43
B-25	7.01	0.13	0.24	<0.01	0.009	0.02	2.2	0.8	0.98	344	0.2	0.41	0.21	35.8	480	0.2	0.3
46061	9.38	0.11	0.02	<0.01	0.028	1.26	6	37.2	1.22	417	1.35	0.12	0.26	25.3	560	1.8	47.5
46062	8.43	0.09	0.02	<0.01	0.023	1.24	4.5	33.7	1.07	557	2.1	0.12	0.23	28.2	600	2.3	48.7
46063	8.87	0.1	0.02	<0.01	0.022	1.45	6	37.2	1.2	437	3.96	0.12	0.34	28	570	2	57.2
46064	5.11	0.07	<0.02	<0.01	0.016	0.76	3.2	23.8	0.8	266	0.35	0.09	0.19	10.9	310	1.2	22.4
46065	8.64	0.09	0.02	<0.01	0.022	1.12	4.3	32.8	0.97	442	0.58	0.18	0.25	24.6	460	2.7	45.1
46066	9.48	0.12	0.02	<0.01	0.027	1.14	5	38.5	1.36	303	0.6	0.13	0.19	24.5	610	2.3	42.5
46067	7.94	0.13	0.02	<0.01	0.025	0.93	4.6	30.2	1.01	294	0.45	0.15	0.22	18.3	510	1.4	31.6
46068	9.75	0.11	<0.02	<0.01	0.033	1.21	4.6	32.2	1.29	374	0.54	0.11	0.2	22.1	610	1.2	43.8
46069	10.3	0.09	<0.02	<0.01	0.031	1.29	5	35.4	1.37	385	0.76	0.13	0.17	24.9	660	1.9	53.3
46070	8.87	0.09	<0.02	<0.01	0.026	1.21	7	32.7	1.33	414	0.94	0.06	0.21	31.5	660	2.6	60.7
46071	7.38	0.1	0.02	<0.01	0.041	1.38	7.6	29.8	1.48	407	0.67	0.06	0.27	53.8	990	3.8	63.6
46072	11.55	0.13	0.02	<0.01	0.053	1.83	7.7	32.8	1.82	461	0.89	0.13	0.29	61.3	880	2.9	86.2
46073	10.35	0.11	0.02	<0.01	0.044	1.67	8.1	34.9	1.66	472	0.83	0.13	0.27	55.6	970	3.6	76.1
46074	10.05	0.12	0.02	0.01	0.039	1.36	8.5	37.2	1.5	400	0.93	0.1	0.3	52.2	850	3.6	64.8
46075	10	0.11	0.02	<0.01	0.037	1.5	9.3	38.4	1.45	437	0.72	0.08	0.27	45.7	750	3.1	73.5
46076	8.69	0.09	<0.02	<0.01	0.028	1.19	6.4	37.3	1.05	408	0.56	0.09	0.26	21.1	540	1.7	51.8
46077	7.81	0.08	0.02	<0.01	0.019	0.97	6	33.4	1.21	421	0.95	0.05	0.26	29	790	2.8	46.6
46078	8.62	0.09	0.02	<0.01	0.031	1.3	8.5	38.4	1.35	426	0.6	0.06	0.23	38.3	710	3.1	59.6
46079	9.65	0.1	0.02	<0.01	0.035	1.38	6.5	35.5	1.28	473	0.57	0.09	0.21	25.8	610	1.9	51.4
46080	9.75	0.11	0.02	<0.01	0.035	1.4	5	34.2	1.26	480	0.51	0.09	0.27	23.2	650	1.4	47.9
B-26	7.84	0.08	0.13	<0.01	0.009	0.02	2	1	1.51	340	0.17	0.38	0.1	99.8	330	0.3	0.6
46081	9.72	0.11	0.02	<0.01	0.033	1.32	4.9	34.8	1.27	500	0.59	0.1	0.29	24	640	1.5	45.8
46082	9.81	0.09	0.02	<0.01	0.036	1.13	4.7	40.6	1.27	489	2.24	0.1	0.28	24.9	600	3.1	39
46083	8.97	0.11	0.02	<0.01	0.031	1.18	4.5	36.9	1.27	406	0.69	0.09	0.21	24	700	1.2	38.3
46084	12.9	0.13	0.02	0.15	0.042	1.6	3.6	50.6	1.16	513	6.61	0.23	0.37	42.2	2660	1	46.2
46085	8.35	0.22	0.03	<0.01	0.028	0.93	1.3	69.2	1.84	352	0.47	0.16	0.18	91.1	1820	0.2	25.1
46086	9.41	0.25	0.04	<0.01	0.03	1.05	1.5	68.8	1.71	362	0.69	0.24	0.22	87	1950	0.3	29.6
46087	11.15	0.25	0.03	<0.01	0.027	1.46	1.1	52.5	1.89	342	0.13	0.33	0.19	81.5	1590	0.7	39
46088	9.63	0.22	0.04	0.03	0.021	1.1	1	36.5	1.57	321	0.09	0.32	0.26	63.2	1400	0.7	29.3
46089	10.45	0.2	0.03	<0.01	0.027	1.37	1.2	50.2	1.94	360	0.14	0.3	0.24	78.9	1690	0.6	35.2
46090	8.93	0.22	0.06	<0.01	0.018	1.4	1.6	89	1.59	505	0.14	0.2	0.47	61.2	1890	0.2	42.3
46091	7.14	0.18	0.06	<0.01	0.015	1.07	1.1	55.9	1.22	411	0.08	0.19	0.48	45.6	1810	0.4	30.9
46092	8.12	0.21	0.06	<0.01	0.016	1.23	1.3	61.8	1.51	541	0.05	0.17	0.35	56.1	2260	0.3	31.2
46093	9.95	0.19	0.03	<0.01	0.031	1.35	1.2	44.7	2.21	415	0.92	0.19	0.22	48.7	1830	0.4	43.4
46094	10.2	0.18	0.05	<0.01	0.031	0.44	1.6	37.8	2.13	479	0.14	0.23	0.25	44	1690	1	22.1
46095	11.3	0.3	0.04	<0.01	0.034	1.47	1.2	81.3	2.03	451	0.2	0.21	0.19	112	1830	0.4	38.4
46096	7.08	0.18	0.06	0.01	0.021	0.36	0.9	33.3	1.2	352	0.08	0.29	0.31	58.3	1420	0.3	14.3
46097	7.71	0.08	0.05	<0.01	0.05	0.24	7	57.8	2.37	935	7.88	0.03	0.08	121	1240	1.5	15.1
46098	9.33	0.14	0.04	<0.01	0.024	0.99	1.2	68.9	1.94	340	0.07	0.2	0.25	83.8	1580	0.4	31.8
46099	9.34	0.12	0.05	<0.01	0.018	0.83	1.2	55.5	1.74	318	0.12	0.21	0.31	80.5	1610	0.4	26.7
46100	9.44	0.15	0.04	<0.01	0.029	0.95	1.4	65.8	1.57	367	<0.05	0.16	0.24	95	2070	0.2	30.5
B-27	7.92	0.09	0.12	<0.01	0.009	0.02	2.3	1.6	1.43	326	0.2	0.38	0.11	108.5	390	0.2	0.4
46101	10	0.18	0.04	<0.01	0.025	1.29	1.4	68	1.38	368	0.05	0.22	0.24	96.8	2240	0.5	42.2
46102	13.45	0.21	0.03	<0.01	0.048	0.94	2.8	71.4	2.67	621	0.15	0.12	0.2	121	1390	1.2	36.6
46103	11.6	0.19	0.05	0.01	0.039	0.95	1.8	52	2.11	556	0.31	0.2	0.22	108.5	1420	1.3	37.4
46104	9.58	0.16	0.05	<0.01	0.021	0.68	1	33.6	0.95	369	0.63	0.29	0.32	90.6	1590	1.1	25.1
46105	14.9	0.21	0.04	<0.01	0.041	1.47	1.9	61.2	1.52	439	0.34	0.34	0.81	95.6	2840	1.8	44
46106	6.66	0.18	0.07	<0.01	0.023	0.58	1.1	36.5	1.12	478	0.15	0.23	0.33	76.7	1480	0.5	19.3
46107	7.35	0.19	0.08	<0.01	0.029	0.75	1.5	55.4	1.34	605	0.19	0.23	0.28	87.1	1670	0.3	22.4
46108	5.56	0.13	0.07	<0.01	0.02	0.37	1.2	32.5	0.96	476	0.07	0.21	0.56	58.1	1510	0.3	11.5
46109	6.9	0.16	0.08	<0.01	0.022	0.33	1.2	40.3	1.21	389	0.24	0.22	0.35	58.4	1450	0.5	12.3
46110	13.4	0.24	0.06	<0.01	0.045	1.21	2.6	117.5	1.8	635	0.32	0.22	0.37	78	2420	0.6	42.7
46111	9.95	0.24	0.08	<0.01	0.039	0.81	2.8	53.2	1.47	566	0.39	0.22	0.42	63.1	2220	0.6	34.1
46112	11.55	0.27	0.05	<0.01	0.034	0.75	2.4	51.9	2.16	377	0.16	0.18	0.39	111	2420	0.5	27.3
46113	12.4	0.1	0.03	<0.01	0.056	0.81	9	63.7	1.81	796	1.71	0.08	0.27	91.6	1340	4.1	36.5
46114	10.5	0.08	0.02	<0.01	0.034	1.35	7	48.6	1.25	466	1.26	0.08	0.35	29.8	610	2	56.6
46115	11.7	0.08	0.02	<0.01	0.04	0.85	8.2	49.7	1.48	462	0.93	0.07	0.2	34.6	850	3.6	34.2
46116	7.84	0.07	<0.02	<0.01	0.031	0.3	6.1	31.9	1.27	377	0.47	0.07	0.1	23.9	670	2.3	13
46117	9.65	0.07	<0.02	<0.01	0.038	0.93	7.6	41.5	1.44	425	1.07	0.06	0.23	40.6	800	2.9	45
46118	10.35	0.08	<0.02	<0.01	0.042	1.42	7.1	44.1	1.58	454	1.1	0.06	0.23	57.1	780	2.6	67.3
46119	11.5	0.1	<0.02	<0.01	0.036	1.24	4.7	47.9	1.61	399	0.68	0.19	0.16	46	600	3	52.8
46120	13.4	0.15	<0.02	<0.01	0.056	1.78	8.2	63.9	2.07	540	1.2	0.13	0.24	87.2	700	1.9	78.7
B-28	8.83	0.11	0.25	<0.01	0.013	0.02	2.3	1.2	0.99	353	0.21	0.44	0.17	45.4	440	0.2	0.6
46121	14.6	0.13	<0.02	<0.01	0.061	1.78	8.6	64.4	2.08	585	1.45	0.11	0.35	74.6	770	2.2	79.9
46122	9.77	0.11	0.02	<0.01	0.059	1.79	7.9	39.2	1.78	477	1.2	0.09	0.34	65.8	820	2.2	79.4
46123	8.48	0.1	0.02	<0.01	0.041	1.24	7.3	41.2	1.34	401	1.18	0.07	0.33	62.5	660	2.9	58.5
46124	9.53	0.09	<0.02	<0.01	0.049	1.45	9	49.9	1.72	489	1.14	0.07	0.31	69.2	870	3.6	65.9

	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	Au-OG44
SAMPLE	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr	Au
DESCRIPT	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
46046	0.001	0.36	0.1	12.5	0.7	1	26.4	<0.01	0.04	3.2	0.333	0.36	0.49	132	0.34	5.73	89	<0.5	
46047	<0.001	0.29	0.07	9.2	0.5	0.8	33.3	0.01	0.02	2.5	0.272	0.28	0.52	90	0.32	5.93	63	0.5	
46048	0.001	0.41	0.14	9.4	0.6	0.7	179.5	<0.01	0.03	2.9	0.274	0.28	0.5	106	0.33	6.32	75	0.5	
46049	<0.001	0.17	0.11	8.4	0.4	0.8	47.7	0.01	0.02	2.6	0.263	0.25	0.45	82	0.27	5.51	61	<0.5	
46050	<0.001	0.36	0.13	9.1	0.5	0.7	42.5	<0.01	0.02	2.1	0.277	0.27	0.39	97	0.26	5.13	68	<0.5	
46051	<0.001	0.2	0.2	9.4	0.3	0.8	68.8	<0.01	0.01	1.9	0.229	0.21	0.31	94	0.21	4.66	60	<0.5	
46052	<0.001	0.13	0.14	10.4	0.4	0.9	35.8	0.01	0.01	2.5	0.237	0.19	0.39	108	0.26	5.57	67	0.5	
46053	<0.001	0.19	0.12	9.7	0.4	0.8	70.6	<0.01	0.01	1.5	0.226	0.2	0.28	103	0.23	4.85	67	0.5	
46054	<0.001	0.37	0.16	9.6	0.4	0.8	55.6	0.01	0.02	1.8	0.234	0.22	0.34	101	0.22	4.97	67	<0.5	
46055	0.001	0.46	0.1	7	0.4	0.6	28.7	<0.01	0.02	1.9	0.264	0.22	0.47	94	0.18	4.48	74	<0.5	
46056	0.001	0.38	0.13	11	0.5	0.8	43.9	<0.01	0.02	1.9	0.268	0.27	0.35	105	0.23	4.89	72	<0.5	
46057	<0.001	0.27	0.16	8	0.4	0.6	46	<0.01	0.02	1.5	0.223	0.2	0.29	96	0.19	4.65	62	<0.5	
46058	<0.001	0.11	0.08	10.7	0.3	0.8	28	<0.01	0.01	1.7	0.261	0.24	0.26	116	0.42	5.08	69	<0.5	
46059	<0.001	0.25	1.06	7.7	0.8	0.4	25.9	<0.01	0.05	1.4	0.206	0.21	0.22	91	1.15	3.7	61	<0.5	2.08
46060	<0.001	0.1	0.06	7.1	0.3	0.6	27.8	<0.01	0.01	2.2	0.228	0.23	0.41	72	0.41	4.95	59	<0.5	
B-25	<0.001	0.08	<0.05	4.1	0.7	0.3	36.2	0.01	0.03	<0.2	0.29	<0.02	<0.05	150	0.05	10.85	34	7	
46061	0.001	0.38	0.06	9.7	0.5	0.7	31.7	<0.01	0.03	2.2	0.21	0.24	0.44	100	0.25	4.06	65	<0.5	
46062	0.003	0.74	0.09	8.2	0.9	0.5	181.5	<0.01	0.04	2	0.217	0.28	0.53	93	0.2	4.77	75	<0.5	
46063	0.007	0.53	0.09	7.7	0.7	0.7	34.9	<0.01	0.03	2.6	0.239	0.33	1.01	87	0.21	4.25	79	<0.5	
46064	<0.001	0.06	0.08	5.1	0.2	0.4	12.5	<0.01	0.01	1.3	0.148	0.12	0.28	59	0.11	2.68	45	<0.5	
46065	<0.001	0.39	0.07	7.1	0.5	0.6	255	<0.01	0.03	2.1	0.166	0.27	0.37	73	0.13	3.53	67	<0.5	
46066	0.001	0.16	0.05	9.3	0.4	0.7	28.2	<0.01	0.02	2.2	0.163	0.24	0.48	95	0.13	4.02	70	<0.5	
46067	<0.001	0.14	0.05	8	0.4	0.8	69	<0.01	0.02	2	0.157	0.17	0.35	81	0.16	4.05	51	<0.5	
46068	0.001	0.26	<0.05	10.9	0.3	0.8	19.5	<0.01	0.01	1.9	0.196	0.26	0.29	102	0.26	4.29	67	<0.5	
46069	0.001	0.29	<0.05	10	0.3	0.7	35.9	<0.01	0.02	2.1	0.187	0.33	0.27	101	0.23	4.17	74	<0.5	
46070	0.001	0.33	0.05	8	0.4	0.6	33.5	<0.01	0.03	3.1	0.171	0.4	0.57	95	0.26	3.97	43	<0.5	
46071	0.001	0.37	<0.05	11.9	0.5	0.8	13.4	<0.01	0.04	2.7	0.19	0.38	0.62	125	0.99	4.53	15	0.5	
46072	0.001	0.38	0.05	15.1	0.7	1.1	33.2	<0.01	0.06	3.6	0.238	0.52	0.68	164	1.47	5.11	50	0.6	
46073	0.001	0.32	<0.05	11.3	0.5	0.9	55	<0.01	0.05	3.1	0.22	0.46	0.49	130	0.41	5.01	58	0.5	
46074	0.001	0.42	0.07	9.6	0.6	0.7	28.9	<0.01	0.06	3.8	0.186	0.41	0.76	121	4.68	5.28	80	0.5	
46075	0.001	0.25	<0.05	10.5	0.4	0.8	11.9	<0.01	0.03	3.7	0.213	0.48	0.55	121	0.5	4.53	69	<0.5	
46076	0.001	0.14	<0.05	8.8	0.3	0.8	14.3	<0.01	0.02	2.8	0.205	0.32	0.35	83	0.36	4.5	67	<0.5	
46077	0.001	0.47	0.08	5.6	0.5	0.4	10	<0.01	0.03	3	0.153	0.34	0.49	69	0.92	5.53	82	<0.5	
46078	0.001	0.2	<0.05	8.8	0.4	0.7	25.2	<0.01	0.04	3.4	0.185	0.38	0.46	101	0.61	4.44	54	<0.5	
46079	0.001	0.25	<0.05	10.7	0.3	0.8	27.2	<0.01	0.02	2.5	0.241	0.31	0.38	105	0.55	4.83	74	<0.5	
46080	0.001	0.12	0.05	11.2	0.3	0.9	41.2	<0.01	0.01	1.9	0.258	0.29	0.28	107	0.35	5.32	71	<0.5	
B-26	0.001	0.05	<0.05	3.7	0.5	<0.2	45.3	<0.01	0.05	<0.2	0.176	<0.02	<0.05	106	<0.05	7.51	30	4.2	
46081	0.001	0.24	0.06	10.8	0.3	0.8	23.4	<0.01	0.02	2.7	0.253	0.3	0.32	105	0.35	5.55	72	<0.5	
46082	0.001	0.25	0.07	9.9	0.4	0.7	30.4	<0.01	0.02	2.3	0.243	0.25	0.44	97	1.43	7.25	73	0.5	
46083	0.001	0.21	0.05	10.3	0.3	0.7	20	<0.01	0.01	1.9	0.213	0.25	0.31	108	0.53	5.92	69	<0.5	
46084	0.003	0.19	<0.05	16.4	0.4	0.9	95.5	0.01	0.02	1.1	0.241	0.42	0.23	126	145.5	8.26	104	0.7	
46085	<0.001	0.06	0.05	11.6	0.3	0.5	24.9	<0.01	0.01	<0.2	0.207	0.32	<0.05	98	1.13	8.18	96	0.8	
46086	<0.001	0.07	0.06	13.5	0.3	0.6	98.5	0.01	0.01	<0.2	0.25	0.37	<0.05	105	0.7	9.59	101	0.8	
46087	<0.001	0.08	<0.05	11	0.4	0.5	109	0.01	0.01	<0.2	0.275	0.3	<0.05	107	0.4	6.76	106	0.6	
46088	<0.001	0.04	0.05	9.7	0.3	0.4	121.5	0.01	0.01	<0.2	0.284	0.2	<0.05	89	26.6	6.49	71	0.8	
46089	<0.001	0.02	<0.05	11.8	0.3	0.5	86	0.01	0.01	<0.2	0.313	0.24	<0.05	114	3.96	7.71	82	0.7	
46090	<0.001	0.04	0.12	11.2	0.3	0.4	62.7	0.01	<0.01	0.2	0.459	0.28	0.08	112	0.63	7.52	91	1.8	
46091	<0.001	0.05	0.09	9	0.3	0.4	51.2	0.01	0.01	<0.2	0.381	0.16	0.06	93	0.69	6.05	72	1	
46092	<0.001	0.13	0.08	10	0.3	0.4	26.5	0.01	0.01	<0.2	0.392	0.15	0.06	115	0.55	6.61	93	1.3	
46093	<0.001	0.24	0.05	15.6	0.5	0.5	73.6	0.01	0.02	<0.2	0.251	0.26	<0.05	128	0.49	7.14	72	0.6	
46094	<0.001	0.05	0.09	13.5	0.3	0.4	93.2	0.01	0.02	0.2	0.197	0.13	<0.05	107	1.8	7.83	68	0.9	
46095	<0.001	0.05	0.09	14.2	0.4	0.6	51.8	0.01	<0.01	<0.2	0.355	0.22	<0.05	157	0.49	8.43	134	0.8	
46096	<0.001	0.02	0.07	8.7	0.3	0.4	77.7	0.01	0.01	<0.2	0.271	0.08	<0.05	70	8.22	8.78	45	1.2	
46097	0.009	0.05	1.98	21.8	0.5	0.2	107.5	0.01	0.02	0.5	0.033	0.08	0.07	76	0.33	19.65	37	<0.5	
46098	<0.001	0.04	0.07	12.2	0.3	0.3	62.8	0.01	0.03	<0.2	0.263	0.25	<0.05	92	0.48	8.3	65	0.8	
46099	<0.001	0.01	0.07	10.2	0.3	0.3	113	0.01	0.02	<0.2	0.275	0.21	<0.05	81	0.45	7.6	60	1	
46100	<0.001	0.02	0.06	14	0.3	0.4	35.2	<0.01	0.01	0.2	0.233	0.24	<0.05	100	0.45	10.55	93	0.7	
B-27	0.001	0.08	<0.05	2.8	0.6	<0.2	46.9	<0.01	0.03	<0.2	0.163	<0.02	<0.05	95	<0.05	8.75	37	3.7	
46101	<0.001	0.03	0.06	14.3	0.4	0.5	75.4	<0.01	<0.01	<0.2	0.282	0.31	<0.05	106	0.48	10.15	89	1.1	
46102	<0.001	0.07	0.12	18.3	0.3	0.4	47.5	<0.01	0.01	0.5	0.206	0.24	<0.05	159	0.3	7.73	102	0.5	
46103	<0.001	0.11	0.16	14.9	0.3	0.4	183.5	<0.01	0.01	0.4	0.263	0.24	<0.05	134	5.98	8.4	76	0.9	
46104	<0.001	0.33	0.06	11.2	0.6	0.5	175.5	0.01	0.04	0.3	0.258	0.17	<0.05	89	0.74	7.04	56	0.9	
46105	<0.001	0.82	<0.05	14.1	1.6	1	179	0.01	0.08	0.3	0.356	0.3	0.05	167	1.6	10.8	107	1.1	
46106	<0.001	0.03	<0.05	10.4	0.4	0.5	85.6	0.01	0.01	<0.2	0.319	0.15	0.05	81	0.47	9.35	40	1.6	
46107	<0.001	0.03	0.07	13.1	0.4	0.5	44	<0.01	0.02	<0.2	0.294	0.18	0.06	90	0.39	11.75	54	1.2	
46108	<0.001	0.04	0.1	8.7	0.3	0.5	61.7	<0.01	0.02	<0.2	0.28	0.09	0.05	61	0.41	8.28	32	1.4	
46109	<0.001	0.01	0.1	9.2	0.4	0.5	86.3	0.01	0.02	<0.2	0.29	0.07	0.05	75	0.46	9.81	33	1.6	
46110	<0.001	<0.01	0.13	11.4	0.5	1.1	95.2	0.01	0.01	0.3	0.279	0.19	0.06	140	0.33	16.6	90	1.1	
46111	<0.001	<0.01	0.08	9.9	0.4	0.9	110	0.01	0.01	0.4	0.262	0.19	0.06	94	0.34	15.6	65	1.3	
46112	<0.001	0.18	0.05	9.9	0.6	0.7	85.4	<0.01	0.02	0.3	0.234	0.18	0.05	112	0.32	12.4	87	1	
46113	0.001	0.18	0.07	11.7	0.5	0.7	35.1	<0.01	0.05	4.6	0.168	0.29	0.33	122	1.24	9.08	126	0.5	
46114	0.001	0.25	<0.05	10.5	0.5	0.9	11.4	<0.01	0.02	4.2	0.228	0.39	0.65	102	3.82	5.21	81	<0.5	
46115	0.001	0.24	0.1	11.4	0.6	0.8	15.2	<0.01	0.42	4	0.138	0.22	0.54	109	0.52	5.92	76	<0.5	
46116	<0.001	0.12	0.06	8.8	0.3	0.4	10.8	<0.01	0.02	2.4	0.078	0.09	0.27	90	0.38	4.87	56	<0.5	
46117	0.001	0.38	0.05	10.2	0.6	0.8	7.9	<0.01	0.06	3.3	0.145	0.29	0.4	108	0.24	4.49	45	<0.5	
46118	0.001	0.39	0.1	12.1	0.9	0.9	10.7	<0.01	0.45	3.1	0.186	0.45	0.39	113	0.34	3.89	46	<0.5	
46119	<0.001	0.19	<0.05	13.5	0.4	0.9	185.5	<0.01	0.04	2.8	0.176	0.36	0.36	112	0.91	4.7	69	<0.5	
46120	0.001	0.24	0.05	19.1	0.7	1.5	18.4	<0.01	0.34	5.1	0.228	0.49	0.75	137	0.21	6.63	94	<0.5	
B-28	0.001	0.12	<0.05	4.6	0.8	0.3	41.1	<0.01	0.03	0.2	0.277	<0.02	<0.05	157	<0.05	12.45	36	8.1	
46121	0.001	0.47	<0.05	19.9	0.9	1.5	27.3	<0.01	0.22	4.8	0.244	0.5	0.67	154	0.34	5.28	97	<0.5	
46122	0.001	0.31	<0.05	18	0.6	1.4	9.5	<0.01	0.07	3	0.248	0.49	0.66	148	0.14	4.53	17	<0.5	
46123	0.001	0.29	0.06	14.6	0.6	1	10.4	<0.01	0.08	3	0.184	0.36	0.41	113	0.15	4.43	20	<0.5	
46124	0.001	0.28	0.06	14.7	0.6	1	9.4	<0.01	0.07	3.6	0.205	0.41	0.52	123	0.14	5.11	22	<0.5	

VA10198980 - Finalized
CLIENT : "MILBAVE - Mill Bay Ventures"
# of SAMPLES : 1
DATE RECEIVED : 2010-12-23 DATE FINALIZED : 2011-01-08
PROJECT : "Valentine"
CERTIFICATE COMMENTS : ""
PO NUMBER : " "

	Au-SCR24	Au-SCR24	Au-SCR24	Au-SCR24	Au-SCR24	Au-SCR24	Au-AA26	Au-AA26D
SAMPLE	Au Total (+)(-) Combined	Au (+) Fraction	Au (-) Fraction	Au (+) mg	WT. + Frac Entire	WT. - Frac Entire	Au	Au
DESCRIPTION	ppm	ppm	ppm	mg	g	g	ppm	ppm
46059	2.68	8.79	2.3	0.309	35.16	563.9	2.5	2.1

VA11001982 - Finalized
CLIENT : "MILBAVE - Mill Bay Ventures"
# of SAMPLES : 15
DATE RECEIVED : 2011-01-04 DATE FINALIZED : 2011-01-10
PROJECT : "Valentine"
CERTIFICATE COMMENTS : ""
PO NUMBER : " "

	Au-SCR24	Au-SCR24	Au-SCR24	Au-SCR24	Au-SCR24	Au-SCR24	Au-AA26	Au-AA26D
SAMPLE	Au Total (+)(-) Combined	Au (+) Fraction	Au (-) Fraction	Au (+) mg	WT. + Frac Entire	WT. - Frac Entire	Au	Au
DESCRIPTION	ppm	ppm	ppm	mg	g	g	ppm	ppm
46115	<0.05	<0.05	<0.05	<0.001	22.21	996.4	0.02	0.02
46118	<0.05	<0.05	<0.05	<0.001	43.21	990.8	0.01	0.01
46120	<0.05	<0.05	<0.05	<0.001	29.94	1041.5	0.01	<0.01
46121	<0.05	<0.05	<0.05	<0.001	67.34	1011.5	<0.01	0.01

VA11003890 - Finalized
CLIENT : "MILBAVE - Mill Bay Ventures"
# of SAMPLES : 12
DATE RECEIVED : 2011-01-11 DATE FINALIZED : 2011-01-14
PROJECT : "Valentine"
CERTIFICATE COMMENTS : ""
PO NUMBER : " "

	Au-SCR24	Au-SCR24	Au-SCR24	Au-SCR24	Au-SCR24	Au-SCR24	Au-AA26	Au-AA26D
SAMPLE	Au Total (+)(-) Combined	Au (+) Fraction	Au (-) Fraction	Au (+) mg	WT. + Frac Entire	WT. - Frac Entire	Au	Au
DESCRIPTION	ppm	ppm	ppm	mg	g	g	ppm	ppm
46336	<0.05	<0.05	<0.05	<0.001	76.19	765.2	0.02	0.02

Valentine Mountain Project Drill Core Log and Sample Record

Date/Target:	**November, 2010 / Discovery Zone southeast extension**								**Acid Tests:**	**Hole Number:**		**10-7**		
Location:	**UTM NAD83 Zone 10N 434593E 5374216N 819 m. elevation uncorrected**								**none**	**Collar Azimuth:**		**0**		
Total Length:	**749 feet = 228.30 metres**									**Collar Dip:**		**-65**		
FROM ft	**TO ft**	**WIDTH ft**	**Lithology**	**% Chlorite**	**% Carbonate**	**% Qtz vns**	**% sulphide**	**RQD (% >**	**Recovery**	**Sample N**	**FROM ft**	**TO ft**	**WIDTH ft**	**Description**
2.5	5	2.5	2	1	1	1	1	15	100					0'-2.5' casing, 2.5'-206' Unit 2 gneiss (metasandstone)
5	10	5	2	1	1	4	1	60	100	46046	13.2	17.2	4	4% qtz 0.1-3 cm @55-60 degrees to ca, 1% diss & fract fill py
10	15	5	2	1	1	4	1	70	100	46047	17.2	22	4.8	4% qtz 0.1-3 cm @55-60 degrees to ca, 1% diss & fract fill py
15	20	5	2	2	1	8	3	93	100	46048	22	24.5	2.5	12% qtz 0.1-7 cm @55-65 degrees to ca, 2% diss & fract fill pyo, 1% py
20	25	5	2	1	1	3	1	86	100	46049	24.5	29	4.5	3% qtz 0.1-1.5 cm @60-70 degrees to ca, 1% diss & fract fill py
25	30	5	2	1	1	4	1	70	100	46050	29	33	4	4% qtz 0.1-3 cm @50 degrees to ca, 1% diss & fract fill py
30	35	5	2	1	1	7	1	98	100	46051	33	37.5	4.5	8% qtz 0.1-3 cm @55 degrees to ca, 1% diss & fract fill py
35	40	5	2	1	1	4	1	90	100	46052	37.5	41.5	4	4% qtz 0.1-1 cm @65 degrees to ca, 1% diss & fract fill py
40	45	5	2	1	1	4	1	85	100	46053	41.5	46	4.5	4% qtz 0.1-1 cm @65 degrees to ca, 1% diss & fract fill py
45	50	5	2	1	1	4	1	81	100	46054	46	51	5	4% qtz 0.1-1 cm @65 degrees to ca, 1% diss & fract fill py
50	55	5	2	1	1	4	1	81	90	46055	51	56	5	4% qtz 0.1-1 cm @65 degrees to ca, 1% diss & fract fill py
55	60	5	2	1	1	4	1	98	100	46056	56	61.5	5.5	4% qtz 0.1-1 cm @65 degrees to ca, 1% diss & fract fill py
60	65	5	2	1	1	5	1	95	100	46057	61.5	67.5	6	5% qtz 0.1-4 cm @60-70 degrees to ca, 1% diss & fract fill py
65	70	5	2	1	1	1	1	97	100					
70	75	5	2	1	1	1	1	100	100					
75	80	5	2	1	1	6	1	95	100	46058	83	86	3	8% qtz 0.1-4.5 cm @60 degrees to ca, 1% diss & fract fill py
80	85	5	2	1	1	6	2	100	100	46059	86	88	2	6% qtz 0.1-0.5 cm @40 + 70 degrees to ca, 2% diss & fract fill py, fault zone, clay at 87.2-88, 3% arsenopyrite 1-8 mm subhedral xtals diss, VG at 87.3
85	90	5	2	1	1	6	1	70	100	46060	88	91	3	7% qtz 0.1-3.5 cm @65 degrees to ca, 1% diss & fract fill py
90	95	5	2	1	1	5	1	90	100	46061	91	96	5	5% qtz 0.1-4 cm @50 + 80 degrees to ca, late qtz-breccia vn @10 deg to ca, 1% diss & fract fill py
95	100	5	2	1	1	1	1	100	100					
100	105	5	2	1	1	1	1	100	100					
105	110	5	2	1	1	1	1	92	100					
110	115	5	2	1	1	1	1	97	100					
115	120	5	2	1	1	1	1	100	100					
120	125	5	2	1	1	1	1	95	100					
125	130	5	2	1	1	6	1	97	100	46062	127	131.5	4.5	6% qtz 0.1-8 cm @50-70 degrees to ca, 1% diss & fract fill py
130	135	5	2	1	1	6	2	95	100	46063	131.5	137	5.5	7% qtz 0.1-8 cm @50-70 degrees to ca, 2% diss & fract fill pyo, 1% py, increased sulphides in argillaceous rock at 135.2-137
135	140	5	2	1	1	1	1	88	100					
140	145	5	2	1	1	1	1	100	100					
145	150	5	2	1	1	1	1	90	100					
150	155	5	2	1	1	7	3	100	100	46064	150	151.5	1.5	20% qtz 0.1-12 cm @50-75 degrees to ca, 2% diss & fract fill pyo, 1% py
155	160	5	2	1	1	1	1	93	100					
160	165	5	2	1	1	1	1	97	100					
165	170	5	2	1	1	1	1	30	100					
170	175	5	2	1	1	1	1	100	100					
175	180	5	2	1	1	1	1	100	100					
180	185	5	2	1	1	1	1	100	100					
185	190	5	2	1	1	1	1	100	100					
190	195	5	2	1	1	1	1	100	100					
195	200	5	2	1	1	1	1	55	90					
200	205	5	2	3	1	18	3	100	100	46065	203	206	3	30% qtz 0.1-16 cm @40-80 degrees to ca, 2% diss & fract fill pyo, 1% py, 3% chlorite, contorted foliation
205	210	5	2 + 1	2	1	12	3	60	100	46066	206	209	3	18% qtz 0.1-7 cm @62 degrees to ca, 2% diss & fract fill pyo, 1% py, 2% chlorite, 2% epidote as clots, contorted foliation, 206'-332' Unit 1 schist (metapelite)
210	215	5	1	1	1	10	2	90	100	46067	209	214	5	10% qtz 0.1-3 cm @38 + 75 degrees to ca (minor vuggy texture), 1% diss & fract fill pyo, 1% py,, 2% epidote as clots in qtz vns, contorted foliation
215	220	5	1	1	1	5	1	100	100	46068	214	219	5	5% qtz 0.1-3 cm @70 degrees to ca, 2% diss & fract fill pyo, 1% py
220	225	5	1	1	1	5	1	98	100	46069	219	223.5	4.5	5% qtz 0.1-3 cm @70 degrees to ca, 2% diss & fract fill pyo, 1% py
225	230	5	1	1	1	5	1	90	100	46070	223.5	228	4.5	5% qtz 0.1-3 cm @70 degrees to ca, 2% diss & fract fill pyo, 1% py
230	235	5	1	1	1	1	1	92	100					
235	240	5	1	1	1	1	1	92	100					
240	245	5	1	1	1	8	2	95	100	46071	240	244	4	8% qtz 0.1-4 cm @45 degrees to ca, 1% diss & fract fill pyo, 1% py
245	250	5	1	1	1	3	1	68	100	46072	244	248	4	3% qtz 0.1-1 cm @50-70 degrees to ca, 1% diss & fract fill py
250	255	5	1	1	1	3	1	98	100	46073	248	253	5	3% qtz 0.1-1 cm @50-70 degrees to ca, 1% diss & fract fill py
255	260	5	1	1	1	3	1	87	100	46074	253	257.5	4.5	3% qtz 0.1-1 cm @50-70 degrees to ca, 1% diss & fract fill py
260	265	5	1	1	1	3	1	78	100	46075	257.5	262	4.5	3% qtz 0.1-1 cm @50-70 degrees to ca, 1% diss & fract fill py
265	270	5	1	1	1	3	1	92	100	46076	262	266.5	4.5	3% qtz 0.1-1 cm @50-70 degrees to ca, 1% diss & fract fill py
270	275	5	1	1	1	1	1	70	90					
275	280	5	1	1	1	1	1	40	100					
280	285	5	1	1	1	1	1	24	100					
285	290	5	1	1	1	1	1	68	90					
290	295	5	1	1	1	1	1	0	90					
295	300	5	1	1	1	5	1	8	90	46077	297.5	299.5	2	8% qtz 0.1-3.5 cm @65-75 degrees to ca, 1% diss & fract fill py
300	305	5	1	1	1	3	1	68	100	46078	299.5	303.2	3.7	3% qtz 0.1-0.5 cm @50-70 degrees to ca, 1% diss & fract fill py
305	310	5	11	1	1	3	1	98	100	46079	303.2	309	5.8	3% qtz 0.1-0.5 cm @50-70 degrees to ca, 1% diss & fract fill py
310	315	5	1	1	1	3	1	97	100	46080	309	314.5	5.5	3% qtz 0.1-0.5 cm @50-70 degrees to ca, 1% diss & fract fill py
315	320	5	1	1	1	3	1	60	100	46081	314.5	320	5.5	3% qtz 0.1-0.5 cm @50-70 degrees to ca, 1% diss & fract fill py
320	325	5	1	1	1	8	1	90	100	46082	320	322	2	12% qtz 0.1-5 cm @60-85 degrees to ca, 1% diss & fract fill py, minor breccia vein texture
325	330	5	1	1	1	3	1	100	100	46083	322	327	5	3% qtz 0.1-1 cm @40 + 70 degrees to ca, 1% diss & fract fill py
330	335	5	3 + 1	1	1	4	1	98	100	46084	327	332	5	4% qtz 0.1-3.5 cm @50 + 80 degrees to ca, 2% calcite, 1% diss & fract fill py, 332'-427' Unit 3 amphibolite (metavolcanic)
335	340	5	3	1	2	1	1	95	100					
340	345	5	3	1	2	1	1	100	100					
345	350	5	3	1	2	1	1	98	100					
350	355	5	3	1	2	1	1	98	100					
355	360	5	3	1	2	4	1	100	100	46085	353	358	5	4% qtz 0.1-1 cm @50 + 80 degrees to ca, 2% calcite, 1% diss & fract fill py
360	365	5	3	1	2	5	2	98	100	46086	358	364	6	5% qtz 0.1-3 cm @50 + 85 degrees to ca, weak stockwork texture,, 2% calcite, 1% diss & fract fill pyo, 1% py
365	370	5	3	1	2	1	1	98	100					
370	375	5	3	1	2	1	1	100	100					
375	380	5	3	1	2	1	1	92	100					
380	385	5	3	1	2	1	1	100	100					
385	390	5	3	1	2	5	2	100	100	46087	385	390	5	5% qtz 0.1-3 cm @50 + 85 degrees to ca, weak stockwork texture,, 2% calcite, 1% diss & fract fill pyo, 1% py
390	395	5	3	1	2	5	2	100	100	46088	390	395	5	5% qtz 0.1-3 cm @50 + 85 degrees to ca, weak stockwork texture,, 2% calcite, 1% diss & fract fill pyo, 1% py
395	400	5	3	1	2	5	2	98	100	46089	395	401.7	6.7	5% qtz 0.1-3 cm @50 + 85 degrees to ca, weak stockwork texture,, 2% calcite, 1% diss & fract fill pyo, 1% py
400	405	5	3	1	2	1	1	100	100					
405	410	5	3	1	2	1	1	94	100					
410	415	5	3	1	2	1	1	100	100					
415	420	5	3	1	2	1	1	100	100					
420	425	5	3	1	2	1	1	97	100					
425	430	5	3 + 5	1	2	1	1	80	100					427'-435' Unit 5 quartz diorite (Eocene dyke/sill)
430	435	5	5	1	1	1	1	95	100					
435	440	5	3	1	2	1	1	92	100					435'-668.6' Unit 3 amphibolite (metavolcanic)
440	445	5	3	1	2	1	1	93	100					
445	450	5	3	1	2	1	1	97	100					
450	455	5	3	1	2	5	2	100	100	46090	448.7	454	5.3	5% qtz 0.1-3 cm @50 + 85 degrees to ca, weak stockwork texture,, 2% calcite, 1% diss & fract fill pyo, 1% py
455	460	5	3	1	2	5	2	97	100	46091	454	458.7	4.7	5% qtz 0.1-3 cm @50 + 85 degrees to ca, weak stockwork texture,, 2% calcite, 1% diss & fract fill pyo, 1% py
460	465	5	3	1	2	5	2	97	100	46092	458.7	463.5	4.8	5% qtz 0.1-3 cm @50 + 85 degrees to ca, weak stockwork texture,, 2% calcite, 1% diss & fract fill pyo, 1% py
465	470	5	3	1	2	8	2	100	100	46093	463.5	469	5.5	8% qtz 0.1-3 cm @50 + 85 degrees to ca, weak stockwork texture,, 3% calcite, 2% diss & fract fill pyo, 1% py, 20% actinolite, 6% browm biotite/phlogopite
470	475	5	3	1	2	5	1	97	100	46094	469	474	5	5% qtz 0.1-3 cm @45-65 degrees to ca, 2% calcite, 1% diss & fract fill py
475	480	5	3	1	2	5	1	100	100	46095	474	479	5	5% qtz 0.1-3 cm @45-65 degrees to ca, 2% calcite, 1% diss & fract fill py
480	485	5	3	1	2	5	1	100	100	46096	479	484	5	5% qtz 0.1-3 cm @45-65 degrees to ca, 2% calcite, 1% diss & fract fill py
485	490	5	3	1	2	1	1	96	100					
490	495	5	3	1	2	1	1	100	100					
495	500	5	3	1	2	1	1	100	100					
500	505	5	3	1	2	1	1	100	100					
505	510	5	3	1	2	1	1	100	100					
510	515	5	3	1	2	1	1	100	100					
515	520	5	3	1	2	1	1	100	100					
520	525	5	3	1	2	1	1	100	100					
525	530	5	3	1	2	1	1	100	100					
530	535	5	3	1	2	1	1	90	100					
535	540	5	3	1	2	1	1	97	100					
540	545	5	3	1	2	4	1	95	100	46097	538.8	544	5.2	4% qtz 0.1-3 cm @45-65 degrees to ca, 5% calcite, 5% chlorite, 3% actinolite, weak crackle breccia texture, mottled green colour, 1% diss & fract fill py
545	550	5	3	1	2	1	1	97	100					
550	555	5	3	1	2	1	1	98	100					
555	560	5	3	1	2	1	1	97	100					
560	565	5	3	1	2	1	1	97	100					
565	570	5	3	1	2	1	1	100	100					
570	575	5	3	1	2	4	1	100	100	46098	569	574	5	4% qtz 0.1-3 cm @45-65 degrees to ca, 2% calcite, 1% diss & fract fill py, 2% epidote, 4% brown biotite
575	580	5	3	1	2	4	1	100	100	46099	574	579.5	5.5	4% qtz 0.1-3 cm @45-65 degrees to ca, 2% calcite, 1% diss & fract fill py, 2% epidote, 4% brown biotite
580	585	5	3	1	2	4	1	97	100	46100	579.5	585	5.5	4% qtz 0.1-3 cm @45-65 degrees to ca, 2% calcite, 1% diss & fract fill py, 2% epidote, 4% brown biotite
585	590	5	3	1	2	3	1	82	100	46101	585	589.5	4.5	3% qtz 0.1-2 cm @75 degrees to ca, 2% calcite, 1% diss & fract fill py,
590	595	5	3	1	2	3	1	88	100	46102	589.5	594.5	5	3% qtz 0.1-2 cm @75 degrees to ca, 2% calcite, 1% diss & fract fill py,
595	600	5	3	2	2	6	1	92	100	46103	594.5	601	6.5	6% qtz 0.1-3 cm @45 + 80 degrees to ca, 2% calcite, 1% diss & fract fill py,
600	605	5	3	5	2	15	5	92	100	46104	601	605	4	15% qtz 30 cm @45 degrees to ca, at 601.9-603, 2% calcite, 3% diss & fract fill pyo, 2% py, 4% chlorite as 1-5 mm clots
605	610	5	3	2	2	7	1	100	100	46105	605	610	5	7% qtz 0.1-11 cm @58 degrees to ca, 2% calcite, 1% diss & fract fill py, 7% brown biotite
610	615	5	3	1	2	3	1	100	100	46106	610	615	5	3% qtz 0.1-0.8 cm @55-70 degrees to ca, 2% calcite, 1% diss & fract fill py, 3% epidote
615	620	5	3	1	2	3	1	85	100	46107	615	620	5	3% qtz 0.1-0.8 cm @55-70 degrees to ca, 2% calcite, 1% diss & fract fill py, 3% epidote
620	625	5	3	1	2	3	1	90	100	46108	620	625	5	3% qtz 0.1-0.8 cm @55-70 degrees to ca, 2% calcite, 1% diss & fract fill py, 3% epidote
625	630	5	3	1	2	1	1	92	100					
630	635	5	3	1	2	1	1	82	100					
635	640	5	3	1	2	3	1	76	100	46109	635	640	5	3% qtz 0.1-0.8 cm @55-70 degrees to ca, 2% calcite, 1% diss & fract fill py, 3% epidote
640	645	5	3	1	2	1	1	86	100					
645	650	5	3	1	2	5	1	90	100	46110	651	655.5	4.5	5% qtz 0.1-1.5 cm @55 degrees to ca, 2% calcite, 1% diss & fract fill py, 1% epidote
650	655	5	3	1	2	5	1	90	100	46111	655.5	660.5	5	5% qtz 0.1-1.5 cm @55 degrees to ca, 2% calcite, 1% diss & fract fill py, 1% epidote
655	660	5	3	1	2	5	1	96	100	46112	660.5	665.4	4.9	5% qtz 0.1-1.5 cm @55 degrees to ca, 2% calcite, 1% diss & fract fill py, 1% epidote
660	665	5	3	1	2	4	1	98	100	46113	665.4	668.6	3.2	3% qtz 0.1-1.5 cm @70 degrees to ca, 2% calcite, 1% diss & fract fill py, 2% epidote
665	670	5	3 + 1	1	2	5	1	100	100	46114	668.6	673	4.4	5% qtz 0.1-1.5 cm @55 degrees to ca, 1% diss & fract fill py, 668.6'-749' Unit 1 biotite schist (metapelite)
670	675	5	1	1	1	3	1	65	95	46115	673	677.7	4.7	3% qtz 0.1-1.5 cm @70 degrees to ca, 1% diss & fract fill py
675	680	5	1	1	1	3	1	90	100	46116	677.7	680.5	2.8	3% qtz 0.1-1.5 cm @70 degrees to ca, 1% diss & fract fill py
680	685	5	1	1	1	4	1	96	100	46117	680.5	685	4.5	4% qtz 0.1-1.5 cm @70 degrees to ca, 1% diss & fract fill py
685	690	5	1	2	1	4	1	96	100	46118	685	690	5	4% qtz 0.1-1.5 cm @70 degrees to ca, 1% diss & fract fill py
690	695	5	1	5	1	10	4	100	100	46119	690	693	3	12% qtz 0.1-6 cm @70 degrees to ca, 3% chlorite, 1% epidote, 3% diss & fract fill pyo, 1% py
695	700	5	1	2	1	3	1	100	100	46120	693	698	5	3% qtz 0.1-0.3 cm @65-75 degrees to ca, 1% diss & fract fill py
700	705	5	1	2	1	8	2	100	100	46121	698	703	5	8% qtz 0.1-5 cm @20-65 degrees to ca, 2% diss & fract fill py
705	710	5	1	1	1	1	1	96	100					
710	715	5	1	1	1	1	1	96	100					
715	720	5	1	1	1	1	1	84	96					
720	725	5	1	1	1	1	1	94	100					
725	730	5	1	1	1	1	1	92	100					
730	735	5	1	1	1	1	1	96	100					
735	740	5	1	1	1	3	1	96	100	46122	739	743	4	3% qtz 0.1-0.5 cm @70 degrees to ca, 1% chlorite, 2% diss & fract fill pyo, 1% py
740	745	5	1	2	1	8	2	94	100	46123	743	745	2	20% qtz 0.1-15 cm @70 degrees to ca, 1% chlorite, 3% diss & fract fill pyo, 2% py, sulphides concentrated near qtz vn contacts
745	749	4	1	1	1	3	1	92	100	46124	745	749	4	3% qtz 0.1-0.5 cm @70 degrees to ca, 1% chlorite, 2% diss & fract fill pyo, 1% py, EOH 749'

Valentine Mountain Project Drill Core Log and Sample Record

Date/Target:	**November, 2010 / Discovery Zone Southeast Extension**		**Pajari Test**	**Azimuth**	**Dip**	**Hole Number:**		**10-8**	
Location:	**UTM NAD83 Zone 10N 434593E 5374216N 819 m. elevation uncorrected**			**none**	**none**	**Collar Azimuth:**		**0**	
Total Length:	**250 feet = 76.2 metres**			**none**	**none**		**Collar Dip:**	**-85**	
Interval (m)	**Description**	**Rx**	**Sample No**	**From (m)**	**To (m)**	**Length (m)**	**Au g/t**	**Ag g/t**	**As ppm**
0.76	Overburden		casing	0.00	0.76	0.76			
5.27	Metasandstone	2		0.76	6.04	5.27			
0.82	Quartz Vein	6	46125	6.04	6.86	0.82	0.006	0.63	14.2
1.68	Metasandstone	2	46126	6.86	8.53	1.68	0.001	0.07	9.9
1.22	Metasandstone	2	46127	8.53	9.75	1.22	0.001	0.08	1.3
1.22	Quartz Vein	6	46128	9.75	10.97	1.22	0.001	0.14	3.5
1.37	Metasandstone	2	46129	10.97	12.34	1.37	0.001	0.07	1.8
1.62	Quartz Vein	6	46130	12.34	13.96	1.62	0.001	0.07	3.5
0.52	Metasandstone	2	46131	13.96	14.48	0.52	0.002	0.07	2.1
1.46	Metasandstone	2	46132	14.48	15.94	1.46	0.001	0.05	2.3
1.49	Metasandstone	2	46133	15.94	17.43	1.49	0.001	0.07	1.1
1.31	Metasandstone	2	46134	17.43	18.75	1.31	0.002	0.09	7.2
1.07	Metasandstone	2	46135	18.75	19.81	1.07	0.001	0.06	4.4
3.35	Metasandstone	2		19.81	23.16	3.35			
0.49	Quartz Vein	6	46136	23.16	23.65	0.49	0.001	0.07	3.7
4.21	Metasandstone	2		23.65	27.86	4.21			
0.61	Metasandstone	2	46137	27.86	28.47	0.61	<0.001	0.07	0.8
1.65	Metasandstone	2	46138	28.47	30.11	1.65	0.001	0.05	1.1
1.52	Metasandstone	2	46139	30.11	31.64	1.52	0.001	0.06	1.7
0.30	Quartz Vein	6	46140	31.64	31.94	0.30	0.001	0.08	0.9
1.74	Metasandstone	2	46141	31.94	33.68	1.74	<0.001	0.08	2.4
0.34	Quartz Vein	6	46142	33.68	34.02	0.34	0.001	0.1	1.1
0.73	Metasandstone	2	46143	34.02	34.75	0.73	<0.001	0.08	1.4
0.67	Quartz Vein	6	46144	34.75	35.42	0.67	0.001	0.07	1.6
1.71	Metasandstone	2	46145	35.42	37.12	1.71	<0.001	0.06	1.5
1.65	Metasandstone	2	46146	37.12	38.77	1.65	<0.001	0.06	4.4
1.77	Metasandstone	2	46147	38.77	40.54	1.77	<0.001	0.08	23.2
1.37	Metasandstone	2	46148	40.54	41.91	1.37	13.05	1.01	3160
1.16	Quartz Vein	6	46149	41.91	43.07	1.16	0.06	0.15	45.6
1.22	Metasandstone	2	46150	43.07	44.29	1.22	0.026	0.08	3.8
0.52	Metasandstone	2	46151	44.29	44.81	0.52	<0.05	0.14	6.4
1.52	Metasandstone	2	46152	44.81	46.33	1.52	0.009	0.14	11.8
5.49	Metasandstone	2		46.33	51.82	5.49			
0.30	Metasandstone	2	46153	51.82	52.12	0.30	0.006	0.07	11.3
0.82	Metasandstone	2	46154	52.12	52.94	0.82	0.005	0.06	10.1
0.70	Quartz Vein	6	46155	52.94	53.64	0.70	0.002	0.07	3.2
1.01	Metasandstone	2	46156	53.64	54.65	1.01	<0.001	0.14	3.3
3.87	Metasandstone	2	46157	54.65	58.52	3.87	<0.001	0.06	6.3
1.83	Metasandstone	2	46158	58.52	60.35	1.83	0.001	0.07	7.6
1.13	Metasandstone	2	46159	60.35	61.48	1.13	<0.001	0.08	3
1.55	Metasandstone	2	46160	61.48	63.03	1.55	0.002	0.14	9.4
1.52	Metasandstone	2	46161	63.03	64.56	1.52	<0.001	0.06	9.7
6.16	Metasandstone	2		64.56	70.71	6.16			
0.61	Metapelite	1	46162	70.71	71.32	0.61	<0.001	0.07	8.2
4.88	Metapelite	1		71.32	76.20	4.88			

VA10188530 - Finalized
CLIENT : "MILBAVE - Mill Bay Ventures"
# of SAMPLES : 105
DATE RECEIVED : 2010-12-13 DATE FINALIZED : 2011-01-02
PROJECT : "Valentine"
CERTIFICATE COMMENTS : "ME-MS41:Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g). "
PO NUMBER : "3"

	Au-TL44	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	Au-OG44
SAMPLE	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr	Au
DESCRIPTION	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
46125	0.006	0.63	2.61	14.2	<0.2	<10	380	0.13	0.23	1.65	0.15	7.79	12.8	49	3.17	72.2	3.31	9.4	0.09	0.02	<0.01	0.038	1.37	3.9	28.9	1.17	534	0.59	0.09	0.23	24.2	670	77.9	58.5	0.001	0.25	0.39	8.6	0.5	0.6	142.5	<0.01	0.02	2.2	0.223	0.33	0.31	92	0.21	4.87	89	0.5	
46126	0.001	0.07	2.28	9.9	<0.2	<10	400	0.11	0.08	0.62	0.04	10.9	11.4	49	2.61	24	3.09	9.12	0.1	0.02	<0.01	0.029	1.32	5.7	28.6	1.14	498	0.61	0.08	0.32	20.2	750	2.2	51	0.001	0.22	0.09	8.7	0.3	0.7	57.9	<0.01	0.01	2.7	0.244	0.29	0.43	91	0.28	6.15	69	<0.5	
46127	0.001	0.08	2.18	1.3	<0.2	<10	380	0.11	0.13	0.5	0.06	9.34	11.7	43	2.68	28.8	3.24	8.76	0.09	0.02	<0.01	0.023	1.29	4.8	27.7	1.13	469	1.46	0.05	0.31	22.6	660	2.5	56	0.001	0.38	0.08	7.2	0.5	0.6	17.1	<0.01	0.02	2.8	0.252	0.31	0.5	82	0.29	6.46	73	<0.5	
46128	0.001	0.28	0.14	2.68	3.5	<0.2	<10	490	0.14	0.13	0.57	0.07	11.45	13.6	54	3.23	40.3	3.63	10.3	0.1	0.02	<0.01	0.029	1.54	6	29.5	1.29	524	0.95	0.09	0.3	27.6	700	11.6	62.9	0.001	0.35	0.12	9	0.5	0.6	25.1	0.01	0.02	3.3	0.28	0.36	0.61	103	0.28	6.38	87	<0.5	
46129	0.001	0.07	2.14	1.8	<0.2	<10	420	0.1	0.08	0.58	0.06	9.3	10.6	44	2.37	21.6	2.85	9.58	0.12	0.02	<0.01	0.031	1.29	4.8	28	1.12	464	0.6	0.07	0.29	18.3	580	1.7	48.7	<0.001	0.26	0.09	9.1	0.3	0.8	21.2	<0.01	0.01	2.4	0.242	0.25	0.42	86	0.24	5.76	64	<0.5	
46130	0.001	0.07	2.6	3.5	<0.2	<10	440	0.12	0.06	1.24	0.06	9.39	12.1	48	2.58	22.6	3.29	10.25	0.11	0.02	<0.01	0.027	1.38	4.8	32.7	1.28	559	0.62	0.09	0.24	21.2	640	2.2	53.7	0.001	0.32	0.11	8.6	0.4	0.6	91.1	<0.01	0.01	2.2	0.24	0.29	0.49	91	0.21	6.02	72	<0.5	
46131	0.002	0.07	2.25	2.1	<0.2	<10	510	0.1	0.06	0.53	0.03	6.92	11.4	57	2.03	21.4	2.91	9.12	0.12	<0.02	<0.01	0.024	1.11	3.6	26.8	1.14	350	0.4	0.11	0.2	20.4	600	4.8	40.2	<0.001	0.16	0.1	8.5	0.2	0.6	33.3	<0.01	0.01	2.5	0.189	0.23	0.29	97	0.16	4.51	62	<0.5	
46132	0.001	0.05	2.28	2.3	<0.2	<10	520	0.12	0.05	0.79	0.05	7.58	11	54	1.97	21.8	2.89	8.64	0.12	0.02	<0.01	0.023	1.12	3.9	27.2	1.04	462	0.48	0.17	0.27	19.6	600	1.7	40.8	<0.001	0.16	0.11	8.6	0.3	0.6	48.4	<0.01	0.01	2.4	0.217	0.21	0.3	94	0.2	5.08	59	0.6	
46133	0.001	0.07	2.37	1.1	<0.2	<10	440	0.11	0.09	0.57	0.06	6.84	12	58	2.3	26.3	3.33	9.31	0.12	<0.02	<0.01	0.03	1.2	3.5	29.1	1.15	452	0.44	0.08	0.25	22.8	640	2	46.1	0.001	0.26	0.1	9.1	0.4	0.7	30.5	<0.01	0.01	2.5	0.22	0.27	0.35	103	0.19	4.64	71	<0.5	
46134	0.002	0.09	2.51	7.2	<0.2	<10	360	0.16	0.1	0.75	0.1	11.5	13.4	53	2.13	30.3	3.39	10.45	0.1	<0.02	<0.01	0.031	1.11	6.1	39.6	1.26	474	0.79	0.09	0.3	25.1	670	6.9	46.6	0.001	0.35	0.19	8.7	0.4	0.6	49.2	0.01	0.01	3.7	0.186	0.27	0.58	96	0.25	7.2	82	<0.5	
46135	0.001	0.06	2.33	4.4	<0.2	<10	360	0.12	0.08	0.89	0.04	6.25	12.5	53	1.55	25.1	2.95	9.69	0.14	<0.02	<0.01	0.026	0.86	3.2	33.7	1.24	375	0.54	0.1	0.21	21.4	660	2.5	31.3	<0.001	0.21	0.14	7.8	0.3	0.6	67.6	<0.01	0.01	1.8	0.173	0.18	0.27	97	0.22	4.92	66	<0.5	
46136	0.001	0.07	2.96	3.7	<0.2	<10	350	0.18	0.08	1	0.07	7.58	11.4	49	2.42	31.7	3.07	9.66	0.1	<0.02	<0.01	0.025	1.18	3.9	32.3	1.08	439	0.96	0.18	0.26	21.7	870	2.3	49.1	0.001	0.39	0.22	7.8	0.4	0.5	85	<0.01	0.02	1.8	0.194	0.29	0.33	88	0.16	5.04	70	<0.5	
46137	<0.001	0.07	2.02	0.8	<0.2	<10	480	0.07	0.08	0.69	0.04	5.8	12.5	49	2.03	27.1	2.84	8.68	0.14	<0.02	<0.01	0.025	1.05	2.9	34.6	1.16	365	0.56	0.09	0.21	22.1	690	2.3	38	<0.001	0.21	0.17	7.8	0.3	0.5	28.8	<0.01	0.01	1.5	0.198	0.21	0.22	95	0.2	4.77	63	<0.5	
46138	0.001	0.05	2.64	1.1	<0.2	<10	440	0.16	0.06	0.74	0.04	7.61	12.7	52	2.43	25.7	2.98	9.64	0.11	0.02	<0.01	0.027	1.19	3.8	40.1	1.26	401	0.49	0.18	0.2	22.3	720	2	44.8	0.001	0.15	0.15	8.1	0.3	0.6	69.4	<0.01	0.01	2	0.217	0.26	0.3	99	0.22	5.48	65	<0.5	
46139	0.001	0.06	1.8	1.7	<0.2	<10	440	0.06	0.07	0.4	0.02	6.2	11.9	55	3.43	28.7	2.61	7.94	0.11	<0.02	<0.01	0.026	0.96	3.1	37.9	1.16	197	0.39	0.08	0.17	20.7	720	1.2	37.2	<0.001	0.11	0.09	6.6	0.2	0.5	22	<0.01	0.01	1.8	0.18	0.21	0.27	105	0.18	5.18	56	<0.5	
46140	0.001	0.08	2.63	0.9	<0.2	<10	880	0.11	0.08	0.39	0.02	9.24	14.9	66	4.89	38.3	3.54	11.85	0.15	0.02	<0.01	0.034	1.53	4.7	46.5	1.68	351	0.48	0.15	0.26	25.4	770	2.2	58.6	0.001	0.16	0.09	11.1	0.4	0.8	29	<0.01	0.01	2.1	0.259	0.32	0.33	129	0.16	6.57	79	0.5	
46141	<0.001	0.08	2.05	2.4	<0.2	<10	540	0.08	0.07	0.47	0.03	7.58	13.1	57	4.18	30.5	3.02	9.3	0.12	<0.02	<0.01	0.031	1.15	3.8	33.5	1.3	326	0.5	0.07	0.2	22.7	750	1.3	45.7	<0.001	0.16	0.13	8.7	0.3	0.7	24.5	<0.01	0.01	1.9	0.214	0.26	0.28	109	0.27	5.96	65	<0.5	
46142	0.001	0.1	2.77	1.1	<0.2	<10	920	0.14	0.07	0.93	0.07	7.88	14.8	60	3.36	42.6	3.5	12.1	0.14	<0.02	<0.01	0.038	1.52	4.1	45.2	1.51	512	0.7	0.15	0.28	25.9	760	1.6	58.5	0.001	0.36	0.14	11.9	0.4	0.8	66.4	<0.01	0.01	1.6	0.269	0.32	0.3	122	0.22	6.19	77	<0.5	
46143	<0.001	0.08	2.16	1.4	<0.2	<10	670	0.08	0.09	0.3	0.03	7.93	13.5	57	4.6	31.9	3.28	9.93	0.12	<0.02	<0.01	0.033	1.34	4	41.2	1.38	397	0.71	0.07	0.2	23.6	700	1.4	51.7	0.001	0.18	0.11	9.8	0.3	0.7	14.3	<0.01	0.01	2.7	0.243	0.27	0.39	116	0.24	5.53	72	<0.5	
46144	0.001	0.07	2.35	1.6	<0.2	<10	550	0.14	0.06	1.14	0.05	7.87	13.3	54	2.86	33.4	2.97	9.68	0.16	0.02	<0.01	0.026	0.95	4	39.6	1.21	412	0.53	0.14	0.33	22.5	680	2.3	38.8	<0.001	0.22	0.13	8.2	0.3	0.5	53.9	0.01	0.01	1.9	0.21	0.22	0.29	96	0.22	5.54	63	0.5	
B-29	0.002	0.05	2.41	0.1	<0.2	<10	10	0.06	0.01	1.49	0.05	5.96	18.9	61	<0.05	142.5	4.24	5.22	0.09	0.15	<0.01	0.009	0.01	2.5	0.6	0.77	265	0.16	0.32	0.16	36.4	450	0.2	0.3	0.001	0.07	0.1	3.5	0.4	0.2	29	<0.01	0.03	<0.2	0.21	<0.02	<0.05	153	<0.05	8.29	27	4.6	
46145	<0.001	0.06	1.98	1.5	<0.2	<10	500	0.11	0.06	0.64	0.03	8.89	13.1	54	2.12	30.4	2.79	7.73	0.11	0.02	<0.01	0.028	0.95	4.5	35.5	1.18	282	0.58	0.15	0.18	23.1	720	1.7	33.4	0.001	0.14	0.1	9	0.3	0.6	38	<0.01	0.01	1.9	0.198	0.21	0.34	105	0.24	5.93	59	<0.5	
46146	<0.001	0.06	2.43	4.4	<0.2	<10	500	0.09	0.06	0.82	0.04	5.4	15	57	2.08	30.6	3.31	9.4	0.13	<0.02	<0.01	0.03	1.44	2.8	33.3	1.4	459	0.46	0.1	0.16	25.2	750	1.1	44.5	<0.001	0.11	0.05	11.2	0.3	0.7	24.5	<0.01	0.01	1.3	0.254	0.26	0.18	114	0.19	5.09	72	<0.5	
46147	<0.001	0.08	2.38	23.2	<0.2	<10	440	0.09	0.04	1.03	0.05	7.09	14.9	57	1.97	29.2	3.14	8.88	0.12	0.02	<0.01	0.025	1.3	3.7	28.5	1.36	455	0.49	0.14	0.19	24.7	750	1.3	41.4	<0.001	0.11	0.05	9.9	0.3	0.6	27.1	<0.01	<0.01	1.6	0.241	0.26	0.23	110	0.3	5.52	71	0.5	
46148	>1.00	1.01	2.18	3160	6.2	<10	200	0.26	0.15	1.22	0.13	12.35	14.3	36	1.09	39.8	3.18	7.03	0.08	0.02	<0.01	0.021	0.68	6.5	35.2	1.1	400	1.97	0.05	0.16	26.4	620	4.3	23.6	0.002	0.52	1.33	5.9	1.1	0.3	22.1	<0.01	0.07	3.2	0.098	0.16	0.53	67	0.5	5.46	79	<0.5	10.25
46149	0.442	0.15	2.47	45.6	<0.2	<10	450	0.18	0.07	0.84	0.08	11	12.6	51	2.33	22.3	3.11	8.76	0.08	0.02	<0.01	0.027	1.31	6	28.5	1.13	508	0.97	0.14	0.25	23.2	620	2.2	49.6	0.001	0.35	0.07	9.4	0.4	0.6	67.8	<0.01	0.02	2.5	0.242	0.32	0.51	89	0.35	6.54	67	<0.5	
46150	0.026	0.08	2.21	3.8	<0.2	<10	410	0.09	0.09	0.47	0.05	9.44	10.8	42	2.5	20.4	2.85	8.26	0.09	<0.02	<0.01	0.026	1.25	5	28.2	1.05	469	0.46	0.09	0.23	19.3	580	1.7	47.6	0.001	0.22	0.05	8.9	0.3	0.6	41.4	<0.01	0.01	2.2	0.217	0.33	0.41	81	0.24	4.63	65	<0.5	
46151	0.192	0.14	3.49	6.4	<0.2	<10	330	0.27	0.22	0.98	0.08	15.8	17.5	58	2.75	55.8	3.96	9.98	0.1	<0.02	<0.01	0.036	1.35	8	35.7	1.34	414	1.27	0.13	0.27	41.6	840	2.6	55.3	0.001	0.55	0.07	12.3	0.7	0.7	64.6	<0.01	0.05	2.6	0.194	0.36	0.41	113	0.22	4.3	38	<0.5	
46152	0.009	0.14	3.13	11.8	<0.2	<10	340	0.16	0.25	0.37	0.06	14.05	18.8	65	3.53	63.8	4.65	9.03	0.11	<0.02	<0.01	0.041	1.63	7.1	44	1.58	437	1.02	0.06	0.29	47.6	950	2.7	70.5	0.001	0.58	0.08	12.1	0.7	0.8	15	<0.01	0.06	2.2	0.22	0.44	0.33	124	0.16	4.08	36	<0.5	
46153	0.006	0.07	2.07	11.3	<0.2	<10	410	0.13	0.05	0.55	0.06	7.49	12.1	47	1.61	26.8	2.91	7.66	0.1	0.02	<0.01	0.028	0.96	3.8	28.3	1.2	351	0.64	0.14	0.19	21.3	660	1.6	34.6	0.001	0.72	0.14	8.9	0.3	0.6	23.4	<0.01	0.01	1.4	0.185	0.22	0.29	90	0.24	5.25	61	<0.5	
46154	0.005	0.06	1.8	10.1	<0.2	<10	420	0.09	0.06	0.37	0.05	9.2	13.3	54	2.01	25.8	3.02	8.74	0.09	<0.02	<0.01	0.032	1.05	4.7	27.9	1.35	323	0.61	0.08	0.19	23.9	680	1.4	43.6	0.001	0.46	0.09	10.7	0.3	0.8	12.3	<0.01	0.01	1.8	0.184	0.22	0.27	100	0.23	6.21	64	<0.5	
46155	0.002	0.07	2.31	3.2	<0.2	<10	470	0.14	0.06	1.3	0.09	10.1	13.8	43	2.2	25.4	3.36	9.23	0.07	0.02	<0.01	0.026	1.29	5.3	33	1.35	526	0.78	0.12	0.15	24.6	680	2.3	52.5	0.001	0.66	0.09	8.4	0.3	0.5	42.1	<0.01	0.01	1.7	0.228	0.31	0.36	84	0.24	7.29	73	<0.5	
46156	<0.001	0.14	2.06	3.3	<0.2	<10	170	0.14	0.2	0.26	0.13	7.71	18.5	41	2.65	47.4	4.6	7.24	0.07	<0.02	<0.01	0.016	1.39	3.9	29.5	1.32	606	2.74	0.05	0.13	34.4	670	2.1	60.5	0.004	1.47	0.15	5.2	0.6	0.3	11.8	<0.01	0.04	1.9	0.231	0.38	0.42	81	0.27	5.98	87	<0.5	
46157	<0.001	0.06	2.64	6.3	<0.2	<10	410	0.17	0.06	0.99	0.08	7.53	12.8	40	2.31	26.3	3.31	9.29	0.07	0.02	<0.01	0.024	1.38	3.9	31.4	1.24	524	0.84	0.17	0.15	23.3	630	2.4	53.4	0.001	0.67	0.1	8.3	0.3	0.5	60.2	<0.01	0.02	1.4	0.246	0.3	0.29	81	0.16	6.15	71	<0.5	
46158	0.001	0.07	2.29	7.6	<0.2	<10	320	0.13	0.08	0.59	0.08	6.4	13.7	46	2.29	27.2	3.38	8.62	0.08	<0.02	<0.01	0.025	1.35	3.3	30	1.23	477	0.97	0.11	0.17	24.6	630	2	53.4	0.001	0.8	0.14	8.1	0.4	0.5	36.1	<0.01	0.01	1.4	0.249	0.3	0.32	82	0.22	6.17	75	<0.5	
46159	<0.001	0.08	2.73	3	<0.2	<10	490	0.16	0.09	0.74	0.06	11.3	14	53	2.28	27.5	3.6	10.8	0.08	0.02	<0.01	0.033	1.52	5.9	38.1	1.44	509	0.84	0.16	0.21	26.6	650	2	53.6	0.001	0.58	0.12	10.5	0.4	0.7	56.5	<0.01	0.02	2.2	0.264	0.3	0.36	103	0.46	5.93	77	<0.5	
46160	0.002	0.14	2.87	9.4	<0.2	<10	500	0.18	0.11	0.98	0.09	8.44	15.3	56	2.44	35.1	3.83	11	0.1	<0.02	<0.01	0.031	1.48	4.3	35.8	1.36	499	1.33	0.15	0.23	30.8	760	2.4	57.7	0.002	0.65	0.12	10.5	0.5	0.7	55.3	<0.01	0.03	2	0.261	0.33	0.39	109	0.79	6.06	84	<0.5	
46161	<0.001	0.06	2.9	9.7	<0.2	<10	510	0.23	0.07	0.93	0.07	8.77	13	47	2.16	27.1	3.3	10.5	0.08	<0.02	<0.01	0.029	1.34	4.6	32.9	1.31	437	0.68	0.21	0.22	24.8	620	2.4	50.9	0.001	0.34	0.12	9.3	0.3	0.7	92.7	<0.01	0.01	1.9	0.234	0.3	0.41	94	0.26	5.89	71	<0.5	
46162	<0.001	0.07	2.11	8.2	<0.2	<10	300	0.16	0.1	0.75	0.1	10.35	11.4	39	2.14	22.2	3	9.09	0.07	0.02	<0.01	0.026	1.12	5.3	27.7	1.18	503	1.31	0.08	0.23	22	540	3	45.3	0.001	0.34	0.09	7.9	0.3	0.6	33.3	<0.01	0.01	2.4	0.23	0.28	0.67	81	0.4	6.7	74	<0.5	

VA11001982 - Finalized
CLIENT : "MILBAVE - Mill Bay Ventures"
# of SAMPLES : 15
DATE RECEIVED : 2011-01-04 DATE FINALIZED : 2011-01-10
PROJECT : "Valentine"
CERTIFICATE COMMENTS : ""
PO NUMBER : " "

SAMPLE	Au-SCR24 Au Total (+)(-) Combined	Au-SCR24 Au (+) Fraction	Au-SCR24 Au (-) Fraction	Au-SCR24 Au (+) mg	Au-SCR24 WT. + Frac Entire	Au-SCR24 WT. - Frac Entire	Au-AA26 Au	Au-AA26D Au
46148	13.05	83.6	10.5	3.276	39.19	1079.5	7.94	13.05
46149	0.06	<0.05	0.07	<0.001	44.88	973.3	0.09	0.04
46151	<0.05	<0.05	<0.05	<0.001	40.91	400.7	0.01	0.02

Valentine Mountain Project Drill Core Log and Sample Record

Date/Target:	**November, 2010 / Discovery Zone Southeast Extension**								**Acid Tests:**	**Hole Number:**		**10-8**	
Location:	**UTM NAD83 Zone 10N 434593E 5374216N 819 m. elevation uncorrected**								**none**	**Collar Azimuth:**		**0**	
Total Length:	**250 feet = 76.2 metres**									**Collar Dip:**		**-85**	
FROM ft	**TO ft**	**WIDTH ft**	**Lithology**	**% Chlorite**	**% Carbonate**	**% Qtz vns**	**% sulphide**	**RQD (% >10 cm)**	**Recovery**	**Sample No**	**FROM ft**	**TO ft**	**WIDTH ft**	**Description**
2.5	5	2.5	2	1	1	1	1	10	70					0'-2.5' casing, 2.5'-232' Unit 2 gneiss (metasandstone)
5	10	5	2	1	1	1	1	96	98					
10	15	5	2	1	1	1	1	100	99					
15	20	5	2	1	1	8	1	100	100	46125	19.8	22.5	2.7	12% qtz 0.1-6 cm vns @ 40 degrees to ca, 1% diss & fract fill py, foliation @40-50 deg to ca
20	25	5	2	1	1	4	1	88	98	46126	22.5	28	5.5	4% qtz 0.1-6 cm vns @ 40 + 80 degrees to ca, 1% diss & fract fill py,
25	30	5	2	1	1	4	1	100	100	46127	28	32	4	4% qtz 0.1-6 cm vns @ 40 + 80 degrees to ca, 1% diss & fract fill py,
30	35	5	2	1	1	10	3	100	100	46128	32	36	4	12% qtz 0.1-6 cm vns @ 10 + 58 degrees to ca, 2% diss & fract fill pyo, 1% py,
35	40	5	2	1	1	4	1	100	100	46129	36	40.5	4.5	4% qtz 0.1-6 cm vns @ 40 + 80 degrees to ca, 1% diss & fract fill py,
40	45	5	2	1	1	12	1	100	100	46130	40.5	45.8	5.3	12% qtz 0.1-6 cm vns @ 10 + 58 degrees to ca, 1% diss & fract fill py,
45	50	5	2	1	1	5	1	100	100	46131	45.8	47.5	1.7	5% qtz 0.1-3 cm vns @ 30 + 45 degrees to ca, 1% diss & fract fill py,
50	55	5	2	1	1	5	1	100	100	46132	47.5	52.3	4.8	5% qtz 0.1-3 cm vns @ 30 + 45 degrees to ca, 1% diss & fract fill py,
55	60	5	2	1	1	5	1	72	95	46133	52.3	57.2	4.9	5% qtz 0.1-3 cm vns @ 30 + 45 degrees to ca, 1% diss & fract fill py,
60	65	5	2	1	1	5	1	100	100	46134	57.2	61.5	4.3	5% qtz 0.1-3 cm vns @ 30 + 45 degrees to ca, 1% diss & fract fill py, broken ground at 57.3-60.3
65	70	5	2	1	1	5	1	100	100	46135	61.5	65	3.5	5% qtz 0.1-3 cm vns @ 30 + 45 degrees to ca, 1% diss & fract fill py,
70	75	5	2	1	1	1	1	94	100					
75	80	5	2	1	1	8	3	100	100	46136	76	77.6	1.6	18% qtz 0.1-17 cm vns @ 65 degrees to ca, 2% diss & fract fill pyo, 1% py
80	85	5	2	1	1	1	1	100	100					
85	90	5	2	1	1	7	1	100	100	46137	91.4	93.4	2	9% qtz 0.1-2.5 cm vns @ 45 degrees to ca, 1% diss & fract fill pyo, 1% py
90	95	5	2	1	1	2	1	100	100	46138	93.4	98.8	5.4	2% qtz 0.1-0.3 cm vns @ 40 + 55 degrees to ca, 1% diss & fract fill py,
95	100	5	2	1	1	2	1	100	100	46139	98.8	103.8	5	2% qtz 0.1-0.3 cm vns @ 40 + 55 degrees to ca, 1% diss & fract fill py,
100	105	5	2	1	1	5	1	100	100	46140	103.8	104.8	1	10% qtz 0.1-3.5 cm vns @ 50 degrees to ca, 1% diss & fract fill py,
105	110	5	2	1	1	2	1	100	100	46141	104.8	110.5	5.7	3% qtz 0.1-0.3 cm vns @ 50 degrees to ca, 1% diss & fract fill py,
110	115	5	2	1	1	6	1	96	100	46142	110.5	111.6	1.1	10% qtz 0.1-3.5 cm vns @ 50 degrees to ca, 1% diss & fract fill py,
115	120	5	2	1	1	3	1	100	100	46143	111.6	114	2.4	3% qtz 0.1-0.3 cm vns @ 50 degrees to ca, 1% diss & fract fill py,
120	125	5	2	1	1	3	1	100	100	46144	114	116.2	2.2	10% qtz 0.1-3.5 cm vns @ 50 degrees to ca, 1% diss & fract fill py,
125	130	5	2	1	1	3	1	100	100	46145	116.2	121.8	5.6	3% qtz 0.1-0.3 cm vns @ 50 degrees to ca, 1% diss & fract fill py,
130	135	5	2	1	1	5	1	94	98	46146	121.8	127.2	5.4	3% qtz 0.1-0.3 cm vns @ 50 degrees to ca, 1% diss & fract fill py,
135	140	5	2	1	1	7	1	82	96	46147	127.2	133	5.8	3% qtz 0.1-0.3 cm vns @ 50 degrees to ca, 1% diss & fract fill py,
140	145	5	2	1	1	7	1	86	96	46148	133	137.5	4.5	7% qtz 0.1-3 cm vns @ 50 degrees to ca, breccia vein textures 1% diss & fract fill py, 2% cal, trace gypsum, weak fault zone, foliation contorted
145	150	5	2	1	2	5	3	100	100	46149	137.5	141.3	3.8	18% qtz 0.1-9 cm vns @30 + 50 degrees to ca, 10% breccia vein texture, 2% diss & fract fill py, foliation contorted (multi-directional)
150	155	5	2	1	1	1	1	100	100	46150	141.3	145.3	4	3% qtz 0.1-0.3 cm vns @ 50 degrees to ca, 1% diss & fract fill py,
155	160	5	2	1	1	1	1	100	100	46151	145.3	147	1.7	6% qtz 0.1-3 cm vns @30 degrees to ca, 1% diss & fract fill py,
160	165	5	2	1	1	1	1	92	98	46152	147	152	5	6% qtz 0.1-3 cm vns @30 degrees to ca, 1% diss & fract fill py,
165	170	5	2	1	1	1	1	100	100					
170	175	5	2	1	1	8	3	85	98	46153	170	171	1	12% qtz 0.1-3 cm vns @50 degrees to ca, 2% diss & fract fill pyo, 1% py
175	180	5	2	1	1	8	1	96	99	46154	171	173.7	2.7	8% qtz 0.1-3 cm vns @45 degrees to ca, 1% diss & fract fill py,
180	185	5	2	1	1	3	1	100	100	46155	173.7	176	2.3	10% qtz 0.1-3 cm vns @45 degrees to ca, 1% diss & fract fill py,
185	190	5	2	1	1	3	1	100	100	46156	176	179.3	3.3	3% qtz 0.1-1 cm vns @45 degrees to ca, 1% diss & fract fill py,
190	195	5	2	1	1	5	1	100	100	46157	189	192	3	6% qtz 0.1-6 cm vns @30-45 degrees to ca, 1% diss & fract fill py,
195	200	5	2	1	1	3	1	100	100	46158	192	198	6	3% qtz 0.1-1 cm vns @45 degrees to ca, 1% diss & fract fill py,
200	205	5	2	1	1	3	1	100	100	46159	198	201.7	3.7	3% qtz 0.1-1 cm vns @50 degrees to ca, 1% diss & fract fill py,
205	210	5	2	1	1	6	1	100	100	46160	201.7	206.8	5.1	6% qtz 0.1-4.5 cm vns @50 degrees to ca, 1% diss & fract fill py,
210	215	5	2	1	1	1	1	80	94	46161	206.8	211.8	5	3% qtz 0.1-3 cm vns @55 degrees to ca, 1% diss & fract fill py,
215	220	5	2	1	1	1	1	100	100					
220	225	5	2	1	1	1	1	100	100					
225	230	5	2	1	1	1	1	100	100					
230	235	5	2 + 1	1	1	5	2	76	96	46162	232	234	2	7% qtz 0.1-3 cm vns @45 degrees to ca, 2% diss & fract fill py, 232'-250' Unit 1 schist (metapelite)
235	240	5	1	1	1	1	1	94	100					
240	245	5	1	1	1	1	1	98	100					
245	250	5	1	1	1	1	1	100	100					EOH 250'

Valentine Mountain Project Drill Core Log and Sample Record

Date/Target:	**November, 2010 / Discovery Zone Southwest Extension near 87-11**		**Pajari Test**	**Azimuth**	**Dip**	**Hole Number:**		**10-9**	
Location:	**UTM NAD83 Zone 10N 434456E 5374194N 811 m. elevation uncorrected**		**750 feet**	**343**	**-40**	**Collar Azimuth:**		**0**	
Total Length:	**755 feet = 230.12 metres**		**228.6 metres**	**343**	**-40**		**Collar Dip:**	**-52**	
Interval (m)	**Description**	**Rx**	**Sample No**	**From (m)**	**To (m)**	**Length (m)**	**Au g/t**	**Ag g/t**	**As ppm**
0.61	Overburden	casing		0.00	0.61	0.61			
0.91	Metasandstone	2	46163	0.61	1.52	0.91	0.002	0.05	12.5
3.51	Metasandstone	2		1.52	3.35	1.83			
0.00	Metasandstone	2	46164	3.35	5.03	1.68	0.003	0.07	223
1.68	Metasandstone	2	46165	5.03	6.71	1.68	0.002	0.05	84.8
0.91	Quartz Vein	6	46166	6.71	7.62	0.91	0.001	0.03	101.5
1.52	Metasandstone	2	46167	7.62	9.14	1.52	<0.001	0.03	176
1.52	Metasandstone	2	46168	9.14	10.67	1.52	<0.001	0.02	14.6
1.74	Metasandstone	2	46169	10.67	12.41	1.74	<0.001	0.02	55.7
0.61	Quartz Vein	6	46170	12.41	13.01	0.61	0.002	0.02	2.4
1.31	Metasandstone	2	46171	13.01	14.33	1.31	0.001	0.01	1.1
4.48	Metasandstone	2		14.33	18.81	4.48			
1.92	Metasandstone	2	46172	18.81	20.73	1.92	0.001	0.03	2.4
0.61	Quartz Vein	6	46173	20.73	21.34	0.61	0.001	0.03	6.5
1.52	Metasandstone	2	46174	21.34	22.86	1.52	0.001	0.04	4.4
1.52	Metasandstone	2	46175	22.86	24.38	1.52	0.002	0.05	34.2
1.52	Metasandstone	2	46176	24.38	25.91	1.52	0.001	0.08	8
0.76	Metasandstone	2	46177	25.91	26.67	0.76	0.003	0.04	5.5
1.07	Metasandstone	2	46178	26.67	27.74	1.07	0.001	0.05	31.4
1.52	Metasandstone	2	46179	27.74	29.26	1.52	0.001	0.05	5.1
1.22	Metasandstone	2	46180	29.26	30.48	1.22	<0.001	0.04	2.7
2.44	Metasandstone	2		30.48	32.92	2.44			
1.28	Metasandstone	2	46181	32.92	34.20	1.28	0.001	0.05	5
2.19	Metasandstone	2		34.20	36.39	2.19			
2.53	Metapelite	1	46182	36.39	38.92	2.53	0.001	0.07	13.6
1.01	Metapelite	1	46183	38.92	39.93	1.01	0.001	0.12	1.7
3.66	Metapelite	1		39.93	43.59	3.66			
1.52	Metapelite	1	46184	43.59	45.11	1.52	<0.001	0.12	1.3
1.52	Metapelite	1	46185	45.11	46.63	1.52	<0.001	0.09	2.6
1.37	Metapelite	1	46186	46.63	48.01	1.37	0.001	0.1	2.9
1.22	Metapelite	1	46187	48.01	49.23	1.22	0.001	0.06	2.4
1.52	Metapelite	1	46188	49.23	50.75	1.52	0.001	0.05	7.2
1.83	Metasandstone	2	46189	50.75	52.58	1.83	<0.001	0.05	3.7
0.76	Metasandstone	2	46190	52.58	53.34	0.76	0.001	0.09	2.6
1.52	Metasandstone	2	46191	53.34	54.86	1.52	0.001	0.06	1.2
1.52	Metasandstone	2	46192	54.86	56.39	1.52	0.001	0.06	1
1.52	Metasandstone	2	46193	56.39	57.91	1.52	<0.001	0.06	1.3
1.52	Metasandstone	2	46194	57.91	59.44	1.52	<0.001	0.05	1.4
1.19	Metasandstone	2	46195	59.44	60.62	1.19	<0.001	0.05	8.3
0.34	Quartz Vein	6	46196	60.62	60.96	0.34	0.029	0.06	30.8
1.52	Metasandstone	2	46197	60.96	62.48	1.52	<0.001	0.07	24.7
1.52	Metasandstone	2	46198	62.48	64.01	1.52	0.13	0.11	298
1.52	Metapelite	1	46199	64.01	65.53	1.52	<0.001	0.14	2.3
1.52	Metapelite	1	46200	65.53	67.06	1.52	<0.001	0.14	1.6
1.52	Metapelite	1	46201	67.06	68.58	1.52	<0.001	0.13	5
1.22	Quartz Vein	6	46202	68.58	69.80	1.22	<0.001	0.1	6.3
1.13	Metapelite	1	46203	69.80	70.93	1.13	0.001	0.07	3.4
1.40	Metapelite	1	46204	70.93	72.33	1.40	0.003	0.07	10.5
3.87	Quartz Vein	6	46205	72.33	76.20	3.87	0.002	0.1	22.7
1.52	Metasandstone	2	46206	76.20	77.72	1.52	<0.001	0.09	31.1
1.52	Metasandstone	2	46207	77.72	79.25	1.52	<0.001	0.07	4.2
1.52	Metasandstone	2	46208	79.25	80.77	1.52	0.036	0.12	21.1
1.52	Metapelite	1	46209	80.77	82.30	1.52	0.003	0.08	16.9
1.52	Metapelite	1	46210	82.30	83.82	1.52	0.001	0.09	10.6
1.83	Metapelite	1	46211	83.82	85.65	1.83	0.003	0.13	109
1.98	Metasandstone	2	46212	85.65	87.63	1.98	<0.001	0.09	12.2
1.68	Metasandstone	2	46213	87.63	89.31	1.68	<0.001	0.1	7.3
0.76	Metapelite	1	46214	89.31	90.07	0.76	<0.001	0.12	14.6
3.66	Metapelite	1		90.07	93.73	3.66			
1.68	Metapelite	1	46215	93.73	95.40	1.68	<0.001	0.14	28
1.83	Metapelite	1	46216	95.40	97.23	1.83	0.002	0.16	19.9
1.52	Metapelite	1	46217	97.23	98.76	1.52	0.001	0.16	14.9
1.52	Metapelite	1	46218	98.76	100.28	1.52	0.001	0.11	10.9
1.83	Metapelite	1	46219	100.28	102.11	1.83	0.027	0.12	12.3
1.83	Metapelite	1	46220	102.11	103.94	1.83	0.004	0.07	12.3
4.27	Metapelite	1	46221	103.94	108.20	4.27	0.005	0.06	19.5
1.52	Metapelite	1	46222	108.20	109.73	1.52	0.011	0.09	46.3
1.52	Amphibolite	3	46223	109.73	111.25	1.52	0.029	0.06	1.4
1.83	Amphibolite	3	46224	111.25	113.08	1.83	0.007	0.05	1.2
18.04	Amphibolite	3		113.08	131.12	18.04			
0.24	Quartz Diorite	5		131.12	131.37	0.24			
2.13	Quartz Diorite	5	46337	131.37	133.50	2.13	<0.05		
15.18	Amphibolite	3		133.50	148.68	15.18			
1.28	Amphibolite	3	46225	148.68	149.96	1.28	0.014	0.06	1
1.52	Amphibolite	3	46226	149.96	151.49	1.52	0.02	0.09	3.3
1.52	Amphibolite	3	46227	151.49	153.01	1.52	0.007	0.04	0.9
1.52	Amphibolite	3	46228	153.01	154.53	1.52	0.005	0.05	1.1
1.52	Amphibolite	3	46229	154.53	156.06	1.52	0.008	0.05	0.8
1.83	Amphibolite	3	46230	156.06	157.89	1.83	0.003	0.04	1.1
1.83	Amphibolite	3	46231	157.89	159.72	1.83	0.003	0.04	1.1
1.83	Amphibolite	3	46232	159.72	161.54	1.83	0.009	0.05	2.2
1.83	Amphibolite	3	46233	161.54	163.37	1.83	0.013	0.07	1.3
1.83	Amphibolite	3	46234	163.37	165.20	1.83	0.006	0.05	4.2
1.83	Amphibolite	3	46235	165.20	167.03	1.83	0.006	0.04	1.4
1.83	Amphibolite	3	46236	167.03	168.86	1.83	0.008	0.06	1.4
29.26	Amphibolite	3		168.86	198.12	29.26			
1.52	Amphibolite	3	46237	198.12	199.64	1.52	0.003	0.05	2.6
1.52	Amphibolite	3	46238	199.64	201.17	1.52	0.044	0.06	8.3
1.52	Amphibolite	3	46239	201.17	202.69	1.52	0.095	0.08	37.5
1.52	Amphibolite	3	46240	202.69	204.22	1.52	0.034	0.2	74.4
1.52	Amphibolite	3	46241	204.22	205.74	1.52	0.013	0.14	57.1
1.52	Amphibolite	3	46242	205.74	207.26	1.52	0.001	0.11	58.4
1.52	Metapelite	1	46243	207.26	208.79	1.52	0.003	0.2	1310
1.52	Metapelite	1	46244	208.79	210.31	1.52	0.004	0.17	766
1.52	Metapelite	1	46245	210.31	211.84	1.52	0.001	0.14	333
1.52	Metapelite	1	46246	211.84	213.36	1.52	0.003	0.14	220
1.68	Metapelite	1	46247	213.36	215.04	1.68	0.002	0.12	97.6
1.68	Metapelite	1	46248	215.04	216.71	1.68	0.007	0.15	1120
1.68	Metapelite	1	46249	216.71	218.39	1.68	0.003	0.13	90
2.44	Metapelite	1		218.39	220.83	2.44			
1.52	Metapelite	1	46250	220.83	222.35	1.52	0.003	0.15	44.1
1.52	Metapelite	1	46251	222.35	223.88	1.52	0.003	0.14	30.8
3.66	Metapelite	1		223.88	227.53	3.66			
1.37	Metapelite	1	46252	227.53	228.90	1.37	0.003	0.15	114
1.22	Metapelite	1	46253	228.90	230.12	1.22	0.002	0.13	187.5

VA10188530 - Finalized
CLIENT : "MILBAVE - Mill Bay Ventures"
# of SAMPLES : 105
DATE RECEIVED : 2010-12-13 DATE FINALIZED : 2011-01-02
PROJECT : "Valentine"
CERTIFICATE COMMENTS : "ME-MS41:Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g). "
PO NUMBER : "3"

	Au-TL44	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	Au-OG44
SAMPLE	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr	Au
DESCRIPTION	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
46163	0.002	0.05	2.6	12.5	<0.2	<10	550	0.14	0.07	0.31	0.05	10	11.5	48	2.36	17.8	3.31	10.8	0.09	0.02	<0.01	0.029	1.49	5.3	33.2	1.22	460	0.57	0.16	0.28	19.2	580	1.8	56.8	<0.001	0.04	<0.05	10.7	0.2	0.8	34.3	<0.01	<0.01	1.8	0.277	0.31	0.26	94	0.45	6.01	72	0.5	
46164	0.003	0.07	2.55	223	<0.2	<10	450	0.09	0.08	0.38	0.09	9.5	14	56	3.02	20.9	3.86	12	0.1	0.02	<0.01	0.035	1.64	5	37.9	1.38	607	0.69	0.09	0.2	26.2	700	2.1	65.8	<0.001	0.11	0.07	12.1	0.3	0.8	17.8	<0.01	0.02	2.1	0.301	0.39	0.32	116	0.52	6.47	85	<0.5	
B-30	0.003	0.05	3.1	<0.1	<0.2	<10	10	0.08	0.01	2.06	0.03	3.78	21.4	185	<0.05	134	5.38	6.98	0.09	0.08	<0.01	0.01	0.01	1.7	0.4	0.77	244	0.09	0.5	0.14	36.8	430	0.2	0.3	<0.001	0.07	<0.05	3.4	0.2	0.4	40.4	<0.01	0.02	<0.2	0.213	<0.02	<0.05	185	0.06	6.74	19	1.9	
46165	0.002	0.05	1.31	84.8	<0.2	<10	190	0.06	0.04	0.49	0.05	8.21	8.6	3	1.86	36	2.31	6.95	0.07	0.02	<0.01	0.015	0.74	4.5	22.6	0.61	360	0.96	0.08	0.22	2.7	630	2.9	38.5	<0.001	0.21	<0.05	5.3	0.4	0.3	15.9	<0.01	0.03	1.2	0.195	0.22	0.22	35	0.23	3.8	48	0.7	
46166	0.001	0.03	0.9	101.5	<0.2	<10	80	0.08	0.03	0.81	0.04	5.8	5.8	3	1.11	32.1	1.65	4.53	0.05	0.03	<0.01	0.01	0.4	3.1	13.2	0.37	293	1.83	0.08	0.35	1.5	450	1.9	22.7	<0.001	0.25	<0.05	3	0.3	0.5	18.5	<0.01	0.01	0.8	0.132	0.14	0.18	18	0.4	3.03	30	0.7	
46167	<0.001	0.03	1.87	176	<0.2	<10	280	0.08	0.06	0.82	0.06	7.98	14	33	2.48	26	2.86	8.64	0.07	0.02	<0.01	0.017	1.17	4.2	28.6	1.02	453	0.72	0.06	0.18	18.8	590	2.2	53.2	<0.001	0.14	0.05	6.6	0.3	0.6	13.8	<0.01	0.01	2	0.211	0.3	0.29	72	0.26	5.32	62	<0.5	
46168	<0.001	0.02	1.97	14.6	<0.2	<10	340	0.13	0.06	0.61	0.04	9.69	11.4	33	2.23	23.6	2.76	8.29	0.07	0.03	<0.01	0.018	1.08	5.2	27.1	1	416	0.45	0.1	0.28	18	560	2.7	46.2	<0.001	0.08	<0.05	6.7	0.2	1.2	17.5	0.01	0.01	2.7	0.21	0.26	0.37	68	0.24	6.61	58	0.6	
46169	<0.001	0.02	1.94	55.7	<0.2	<10	280	0.1	0.04	0.98	0.05	9.96	11.6	47	3.06	12.8	2.96	8.92	0.09	0.02	<0.01	0.026	1.15	5.4	31.7	1.13	474	0.41	0.06	0.19	20.8	580	2.3	55.6	<0.001	0.08	0.05	7.9	0.3	0.7	28.3	<0.01	0.01	2.7	0.214	0.33	0.42	78	0.32	6.98	71	<0.5	
46170	0.002	0.02	1.88	2.4	<0.2	<10	350	0.09	0.02	0.91	0.04	11.45	10.9	41	2.41	8.6	2.71	8.15	0.08	0.02	<0.01	0.021	1.18	6.1	28.4	0.99	406	0.41	0.09	0.24	18.1	540	1.8	50.6	<0.001	0.06	<0.05	7.2	0.2	0.7	30.8	<0.01	<0.01	2.7	0.202	0.28	0.44	74	0.22	6.95	67	<0.5	
46171	0.001	0.01	2.97	1.1	<0.2	<10	550	0.08	0.01	0.99	0.04	10.3	15.5	63	4.87	1.9	4.25	12.95	0.13	0.02	<0.01	0.046	2.02	5.4	47.2	1.68	570	0.26	0.08	0.17	28.9	770	1.5	90.9	<0.001	0.02	<0.05	13.1	0.2	1.5	17.7	<0.01	<0.01	2.7	0.323	0.51	0.35	128	0.29	7.15	125	<0.5	
46172	0.001	0.03	2.92	2.4	<0.2	<10	530	0.1	0.04	1.14	0.05	10.5	14.9	58	4.2	16.6	4.1	12.3	0.1	0.03	<0.01	0.041	1.69	5.6	41.7	1.62	596	0.35	0.12	0.16	27.2	900	1.9	73.3	<0.001	0.14	<0.05	11.2	0.3	1.2	30.5	<0.01	0.01	2.8	0.289	0.43	0.36	122	0.32	7.89	108	0.5	
46173	0.001	0.03	2.64	6.5	<0.2	<10	640	0.12	0.04	0.98	0.04	6.5	14.8	48	1.47	22.2	3.33	11.3	0.11	<0.02	<0.01	0.032	1.42	3.4	34	1.35	432	0.41	0.13	0.19	21.9	780	1.7	47.6	<0.001	0.1	0.06	10.7	0.3	0.7	39.1	<0.01	<0.01	1.8	0.234	0.26	0.22	110	0.31	5.27	67	<0.5	
46174	0.001	0.04	2.34	4.4	<0.2	<10	530	0.1	0.06	0.74	0.04	10.15	12.8	47	1.47	23.7	3.27	9.98	0.1	0.02	<0.01	0.032	1.35	5.3	29.6	1.29	474	0.42	0.14	0.24	20.3	700	1.6	44.5	<0.001	0.15	0.07	10.5	0.2	0.7	24.6	<0.01	0.01	2.3	0.249	0.25	0.33	104	0.27	6.76	67	0.5	
46175	0.002	0.05	2.11	34.2	<0.2	<10	390	0.14	0.07	0.78	0.06	9.09	12	42	2.22	22.3	3.08	8.72	0.07	0.02	<0.01	0.025	1.33	4.4	21.6	1.12	538	0.51	0.07	0.21	20.4	550	3.2	51.1	0.001	0.24	0.05	8.8	0.3	0.6	24.5	<0.01	0.01	2.2	0.234	0.31	0.32	85	0.27	5.76	67	<0.5	
46176	0.001	0.08	2.11	8	<0.2	<10	280	0.22	0.11	1.56	0.08	12.3	13.7	38	1.65	31.3	3.21	8.32	0.06	0.02	<0.01	0.02	1.06	6	24.7	1.13	579	0.86	0.08	0.13	21.5	820	3.7	42.2	0.001	0.39	0.09	8.1	0.3	0.5	43.7	<0.01	0.02	2.5	0.172	0.26	0.36	82	0.21	7.49	67	<0.5	
46177	0.003	0.04	1.99	5.5	<0.2	<10	320	0.12	0.05	2.04	0.07	8.76	12.2	38	1.46	22	3.01	7.73	0.07	0.02	<0.01	0.022	1.09	4.2	24.1	1.11	580	0.8	0.06	0.18	17.8	1200	2.9	37.5	0.001	0.15	0.07	8	0.3	0.6	62.7	<0.01	0.01	1.8	0.208	0.23	0.27	83	0.25	6.66	62	<0.5	
46178	0.001	0.05	2.28	31.4	<0.2	<10	450	0.13	0.06	1.13	0.08	9.67	12.9	46	1.91	22.8	3.28	8.85	0.07	0.02	<0.01	0.026	1.39	4.6	24.6	1.17	552	0.61	0.11	0.25	22.2	710	2.4	52.8	0.001	0.24	0.06	9.6	0.3	0.7	27	<0.01	0.01	2.2	0.258	0.3	0.36	93	0.29	7.01	69	<0.5	
46179	0.001	0.05	1.87	5.1	<0.2	<10	330	0.09	0.06	0.68	0.05	6.83	10.1	36	1.59	17	2.67	7.74	0.07	0.02	<0.01	0.019	1.14	3.3	19.9	0.97	447	0.49	0.08	0.27	17.8	520	2.3	43.9	<0.001	0.16	0.05	7.4	0.2	0.6	19.3	<0.01	0.01	2.2	0.225	0.27	0.37	69	0.33	5.46	58	<0.5	
46180	<0.001	0.04	2.18	2.7	<0.2	<10	470	0.09	0.04	0.87	0.03	7.84	12	53	2.19	22.9	2.94	8.23	0.1	0.02	<0.01	0.019	1.08	3.8	20	1.22	376	0.42	0.17	0.19	21.7	620	1.6	37.9	<0.001	0.07	0.08	6.6	0.2	0.5	30.7	<0.01	0.01	2	0.231	0.21	0.25	95	0.2	5.56	58	<0.5	
46181	0.001	0.05	2.15	5	<0.2	<10	460	0.12	0.07	0.71	0.04	8.38	11.1	46	1.87	20.4	2.97	8.72	0.08	0.02	<0.01	0.027	1.26	4.1	20.5	1.1	468	0.46	0.07	0.3	19	540	2.1	46.4	<0.001	0.18	0.09	9.2	0.3	0.8	17	<0.01	0.01	2.9	0.245	0.28	0.39	86	0.25	5.53	60	<0.5	
46182	0.001	0.07	2.43	13.6	<0.2	<10	400	0.1	0.12	0.47	0.05	12.95	12.7	48	3.28	30.9	3.41	9.2	0.08	0.02	0.01	0.028	1.48	6.2	23.2	1.23	446	0.68	0.1	0.27	26.1	590	2.1	65.7	0.001	0.25	0.07	9.6	0.4	0.8	26.2	<0.01	0.02	3.3	0.247	0.38	0.49	94	0.2	5.1	77	<0.5	
46183	0.001	0.12	2.63	1.7	<0.2	<10	270	0.09	0.21	0.34	0.05	12.7	16	55	3.23	50.1	4.12	9.22	0.08	<0.02	<0.01	0.028	1.32	6.1	26.8	1.45	421	0.94	0.05	0.22	37.6	700	1.8	64.8	0.001	0.43	0.07	8.4	0.6	0.6	9.9	<0.01	0.05	2.8	0.181	0.41	0.39	96	0.13	3.79	61	<0.5	
46184	<0.001	0.12	3.14	1.3	<0.2	<10	390	0.13	0.24	0.4	0.06	21.4	16.7	80	3.74	49.8	4.44	10.35	0.09	0.02	<0.01	0.041	1.68	10.5	24.2	1.55	425	1.05	0.1	0.26	50.5	820	2.9	74.7	0.001	0.32	<0.05	12	0.7	1	16.9	<0.01	0.05	4.3	0.228	0.5	1.03	133	0.12	5.13	64	<0.5	
B-31	0.004	0.07	3.42	<0.1	<0.2	<10	10	0.06	0.01	2.03	0.03	5.92	22.9	105	<0.05	177.5	5.31	7.31	0.08	0.1	<0.01	0.009	0.02	2.2	0.7	0.79	257	0.18	0.44	0.13	43.1	460	0.2	0.5	0.001	0.09	<0.05	3	0.7	0.2	38.6	<0.01	0.02	<0.2	0.202	<0.02	<0.05	187	<0.05	8.77	24	1.9	
46185	<0.001	0.09	3.17	2.6	<0.2	<10	420	0.13	0.2	0.39	0.04	22.1	17	86	3.55	46	4.36	10.8	0.1	0.02	<0.01	0.049	1.63	10.6	30.4	1.63	487	1.06	0.11	0.29	52.1	710	2.6	69.1	0.001	0.22	0.05	14.6	0.5	1.2	18.8	<0.01	0.04	4.5	0.235	0.43	0.71	126	0.13	5.13	62	<0.5	
46186	0.001	0.1	2.91	2.9	<0.2	<10	390	0.1	0.17	0.42	0.05	13.25	16.1	70	3.32	53.8	4.3	9.25	0.08	<0.02	<0.01	0.04	1.52	6.3	28	1.56	398	0.85	0.07	0.21	40.7	720	2.1	66.1	0.001	0.31	0.07	11.9	0.5	0.9	12.7	<0.01	0.04	2.8	0.21	0.42	0.46	124	2.72	4.46	49	<0.5	
46187	0.001	0.06	2.66	2.4	<0.2	<10	400	0.13	0.1	0.5	0.03	15.7	12.2	54	2.69	30.9	3.38	9.49	0.08	<0.02	<0.01	0.033	1.22	7.7	22.8	1.32	393	0.56	0.15	0.22	26.4	610	1.7	50.6	<0.001	0.14	0.05	10.4	0.4	0.8	30.6	<0.01	0.01	2.8	0.193	0.31	0.45	103	0.15	4.35	56	<0.5	
46188	0.001	0.05	2.36	7.2	<0.2	<10	500	0.09	0.09	0.72	0.04	9.41	14.5	57	2.3	29.9	3.4	9.39	0.09	0.02	<0.01	0.033	1.16	4.4	26.3	1.28	414	0.79	0.1	0.25	29.7	650	1.8	47.8	0.001	0.23	0.12	10.8	0.4	0.8	45.6	<0.01	0.01	2.4	0.203	0.27	0.38	102	0.19	5.48	65	<0.5	
46189	<0.001	0.05	2.46	3.7	<0.2	<10	460	0.08	0.09	0.64	0.05	11.4	14.2	53	2.47	30.3	3.4	9.19	0.07	0.02	<0.01	0.032	1.31	5.4	26.1	1.27	468	0.66	0.14	0.22	27.8	610	1.7	50.7	0.001	0.24	0.11	10.6	0.3	0.8	28.3	<0.01	0.02	2.5	0.23	0.29	0.42	100	0.19	5.66	64	<0.5	
46190	0.001	0.09	2.25	2.6	<0.2	<10	430	0.1	0.12	1.63	0.11	5.94	12.9	53	2.63	32.8	3.62	7.9	0.07	0.02	<0.01	0.021	1.48	2.7	21.2	1.27	645	0.97	0.07	0.18	26.5	720	2.4	62.3	0.001	0.71	0.15	8	0.4	0.5	43	<0.01	0.03	1.8	0.252	0.36	0.31	95	0.15	5.92	78	<0.5	
46191	0.001	0.06	2.41	1.2	<0.2	<10	470	0.11	0.09	0.8	0.07	7.81	12.6	47	2.09	26.9	3.24	8.72	0.08	0.02	<0.01	0.026	1.35	3.7	22.1	1.26	552	0.67	0.15	0.26	24.1	670	2.1	51.8	0.001	0.46	0.14	9.1	0.3	0.7	29.2	<0.01	0.02	2	0.254	0.32	0.4	95	0.18	6.29	71	<0.5	
46192	0.001	0.06	2.22	1	<0.2	<10	400	0.12	0.09	0.63	0.06	6.48	13.4	41	1.95	28.8	3.05	7.43	0.07	0.02	<0.01	0.016	1.18	3	23.1	1.14	403	0.9	0.13	0.19	23.6	640	3.2	45.7	0.001	0.39	0.16	6.2	0.3	0.4	35.4	<0.01	0.02	1.8	0.21	0.29	0.34	81	0.16	4.68	67	<0.5	
46193	<0.001	0.06	2.69	1.3	<0.2	<10	570	0.1	0.07	0.68	0.04	12.1	12.7	57	2.68	27.9	3.49	9.66	0.09	0.02	<0.01	0.031	1.51	5.7	28.2	1.34	515	1.35	0.18	0.31	25.5	1270	1.6	51.2	0.001	0.22	0.14	9.8	0.3	0.8	35.8	<0.01	0.01	2.6	0.268	0.31	0.44	105	0.25	6.48	74	<0.5	
46194	<0.001	0.05	4.11	1.4	<0.2	<10	520	0.3	0.07	1.78	0.06	6.71	12.7	52	2.48	25.5	3.32	11.4	0.14	0.02	<0.01	0.021	1.42	3.3	23.8	1.15	530	0.79	0.28	0.2	24.7	690	4.1	50.6	0.001	0.2	0.18	8.5	0.3	0.6	156	<0.01	0.01	1.8	0.263	0.31	0.27	97	0.22	5.12	70	<0.5	
46195	<0.001	0.05	2.34	8.3	<0.2	<10	580	0.1	0.07	0.57	0.04	9.71	14.1	56	2.3	28.3	3.27	9.2	0.11	0.02	<0.01	0.03	1.17	4.7	30.7	1.36	394	0.53	0.18	0.28	24.8	650	1.7	41.1	0.001	0.18	0.12	10.2	0.3	0.8	32.2	<0.01	0.01	2.2	0.226	0.23	0.48	108	0.23	6.03	69	<0.5	
46196	0.029	0.06	2.42	30.8	<0.2	<10	550	0.09	0.09	0.61	0.03	6.89	14	57	2.1	34.7	3.3	8.93	0.12	<0.02	<0.01	0.026	1.26	3.3	28.8	1.4	340	0.44	0.16	0.18	24.5	590	1.6	40.7	0.001	0.23	0.11	9.2	0.3	0.6	30.5	<0.01	0.02	1.6	0.204	0.23	0.21	108	0.23	4.19	67	<0.5	
46197	<0.001	0.07	3.5	24.7	<0.2	<10	580	0.25	0.08	1.18	0.08	11.25	14.8	55	2.87	25.5	3.82	10.75	0.09	0.02	<0.01	0.029	1.61	5.5	33.1	1.45	528	0.93	0.19	0.26	25.2	680	3.1	57.5	0.002	0.27	0.08	10.7	0.4	0.7	67.3	<0.01	0.01	2.2	0.285	0.34	0.37	107	0.36	6.27	81	<0.5	
46198	0.08	0.11	2.38	298	<0.2	<10	430	0.08	0.13	0.37	0.07	11.65	13.3	50	3.32	24	3.53	9.27	0.07	0.02	<0.01	0.03	1.45	5.6	24.7	1.36	479	0.78	0.1	0.21	26.3	590	2.2	59	0.001	0.4	0.15	9.7	0.5	0.7	17.6	<0.01	0.02	3	0.239	0.38	0.5	98	0.76	5.86	80	<0.5	
46199	<0.001	0.14	2.93	2.3	<0.2	<10	380	0.1	0.28	0.36	0.06	19.7	15.7	63	3.3	55.6	4.45	9.07	0.09	0.02	<0.01	0.043	1.57	9.3	27	1.53	386	0.98	0.1	0.28	40.3	850	3.3	68	0.001	0.52	0.05	12.4	0.6	1.3	20.8	<0.01	0.05	3.4	0.221	0.44	0.42	123	0.35	4.87	37	<0.5	
46200	<0.001	0.14	3.37	1.6	<0.2	<10	330	0.16	0.29	0.73	0.08	13.65	16.7	60	3.37	58.2	4.51	9.21	0.08	0.02	<0.01	0.035	1.37	6.3	27.4	1.5	382	0.97	0.11	0.24	43.5	1040	3	62.6	0.002	0.59	<0.05	11.7	0.7	0.7	41.5	<0.01	0.07	2.5	0.2	0.45	0.32	117	0.16	4.38	39	<0.5	
46201	<0.001	0.13	3.03	5	<0.2	<10	330	0.13	0.23	0.34	0.06	20.9	17.1	54	3.33	51	4.41	9.39	0.08	0.02	<0.01	0.034	1.38	9.9	29.9	1.46	399	1.89	0.1	0.27	42.4	750	2.5	66.8	0.002	0.47	0.06	10.2	0.6	0.8	23.6	<0.01	0.05	3.5	0.203	0.44	0.45	107	0.27	4.56	34	<0.5	
46202	<0.001	0.1	2.44	6.3	<0.2	<10	390	0.11	0.15	0.41	0.07	12.55	14.6	44	2.96	35.5	3.7	8.49	0.07	0.02	<0.01	0.024	1.41	5.9	30.9	1.26	393	1.01	0.09	0.24	28.1	590	1.7	58.6	0.002	0.59	0.05	7.8	0.4	0.6	19	<0.01	0.06	2.5	0.219	0.37	0.34	87	0.27	4.27	78	<0.5	
46203	0.001	0.07	2.7	3.4	<0.2	<10	410	0.14	0.07	1.07	0.08	8.81	14	46	2.28	28.8	3.41	9.39	0.07	0.02	0.01	0.026	1.24	4.1	29.7	1.29	502	0.82	0.18	0.27	23.7	660	2.5	50.3	0.001	0.53	0.06	9.3	0.4	0.7	61.5	<0.01	0.02	1.7	0.235	0.31	0.31	95	0.29	6.21	71	<0.5	
46204	0.003	0.07	2.65	10.5	<0.2	<10	400	0.16	0.12	0.83	0.07	9.99	12.9	45	2.71	28.3	3.34	9.4	0.07	0.02	<0.01	0.026	1.34	4.8	30.4	1.22	527	0.77	0.13	0.24	25	650	2.5	53.5	0.001	0.43	0.05	8.7	0.4	0.7	44.5	<0.01	0.03	2.4	0.242	0.35	0.45	89	0.24	5.37	76	<0.5	
B-32	0.002	0.05	3.24	<0.1	<0.2	<10	10	0.06	0.01	2.09	0.02	5.93	17.4	128	<0.05	133.5	5.38	6.62	0.08	0.1	<0.01	0.01	0.02	2.3	0.7	0.82	271	0.14	0.47	0.11	34.9	480	0.2	0.4	0.001	0.04	<0.05	3.8	0.4	0.3	38.1	<0.01	0.01	<0.2	0.206	<0.02	<0.05	184	<0.05	8.74	23	1.6	
46205	0.002	0.1	2.27	22.7	<0.2	<10	430	0.09	0.12	1.04	0.08	10	11.1	38	2.75	27.2	3.23	8.24	0.07	0.02	0.02	0.022	1.35	4.9	26.9	1.1	481	0.96	0.09	0.25	20.1	460	2.2	52	0.001	0.4	0.07	7.4	0.4	0.6	70.2	<0.01	0.06	2.4	0.238	0.36	0.42	78	31	4.6	74	<0.5	
46206	<0.001	0.09	2.56	31.1	<0.2	<10	460	0.1	0.11	0.51	0.06	13.2	13.4	46	2.68	27.2	3.56	9.56	0.07	0.02	<0.01	0.032	1.46	6.4	35.8	1.33	436	1.17	0.14	0.24	23.5	620	2	53.4	0.001	0.42	0.08	10	0.4	0.7	29.1	<0.01	0.03	2.5	0.238	0.33	0.4	100	0.39	5.3	76	<0.5	
46207	<0.001	0.07	2.57	4.2	<0.2	<10	370	0.2	0.1	0.82	0.07	9.09	10.9	37	2.35	22.9	3.06	7.69	0.06	0.02	<0.01	0.02	1.22	4.5	32.5	1.03	426	0.81	0.12	0.21	22.5	500	2.6	44.8	0.001	0.3	0.06	6.2	0.3	0.5	47.7	<0.01	0.02	2.5	0.216	0.29	0.36	67	0.29	4.25	69	<0.5	
46208	0.036	0.12	2.36	21.1	<0.2	<10	340	0.18	0.1	0.66	0.06	13.85	10.8	38	2.19	20.3	3.03	7.87	0.06	0.02	<0.01	0.023	1.19	7	28.2	1.06	431	0.88	0.13	0.19	21.5	500	3.1	41.6	0.001	0.33	0.06	6.7	0.3	0.5	34.8	<0.01	0.02	2.7	0.202	0.27	0.43	70	0.34	5.17	68	<0.5	
46209	0.003	0.08	1.93	16.9	<0.2	<10	190	0.21	0.07	1.49	0.08	8.96	10.3	33	1.47	17.9	2.75	6.53	0.05	<0.02	<0.01	0.02	0.63	4.5	28.1	1.02	478	0.55	0.06	0.14	20.7	540	4.1	27.9	0.001	0.33	0.13	5.9	0.3	0.3	30.2	<0.01	0.01	1.9	0.109	0.16	0.29	63	0.29	4.84	62	<0.5	
46210	0.001	0.09	2.42	10.6	<0.2	<10	290	0.16	0.09	0.94	0.06	13.65	12.7	43	2.1	29.6	3.31	8.12	0.06	0.02	<0.01	0.024	0.93	6.7	36.9	1.29	446	0.65	0.1	0.13	26.4	680	2.9	42.4	0.001	0.29	0.09	6.8	0.3	0.5	32.5	<0.01	0.01	2.3	0.142	0.21	0.36	82	0.22	4.82	68	<0.5	
46211	0.003	0.13	2.85	109	<0.2	<10	340	0.19	0.26	0.37	0.03	19.05	18	61	4.51	64	4.17	8.72	0.09	<0.02	<0.01	0.029	1.54	9.1	44.5	1.41	317	1.72	0.05	0.23	52.2	770	3.3	78	0.002	0.3	0.08	7.3	0.6	0.7	28.8	<0.01	0.05	4.7	0.197	0.47	0.65	104	0.3	5.07	51	<0.5	
46212	<0.001	0.09	2.41	12.2	<0.2	<10	450	0.16	0.1	0.66	0.05	10.95	12.7	46	2.74	28.7	3.09	9.29	0.07	<0.02	<0.01	0.031	1.18	5.3	36.8	1.22	420	0.71	0.13	0.2	23	670	2.1	45.5	0.001	0.26	0.05	9.1	0.3	0.8	52.8	<0.01	0.02	2	0.188	0.26	0.31	91	0.28	5.02	67	<0.5	
46213	<0.001	0.1	2.48	7.3	<0.2	<10	370	0.12	0.1	0.64	0.05	13.15	14.7	53	3.52	31.2	3.51	9.53	0.09	<0.02	<0.01	0.034	1.11	6.5	37.7	1.37	404	0.6	0.08	0.19	33.9	650	3	50.7	0.001	0.18	<0.05	9.2	0.4	0.7	30.9	<0.01	0.04	2.5	0.166	0.3	0.35	102	0.15	4.75	60	<0.5	
46214	<0.001	0.12	3.58	14.6	<0.2	<10	480	0.22	0.21	0.75	0.05	17.9	20.2	94	5.14	48.5	4.5	10.9	0.11	0.02	<0.01	0.045	1.72	8.7	39.3	1.73	484	0.91	0.1	0.23	71.3	900	3.5	81.1	0.002	0.25	<0.05	13.6	0.5	1	34.3	<0.01	0.04	3.1	0.233	0.45	0.47	143	0.34	5.3	52	<0.5	
46215	<0.001	0.14	2.67	28	<0.2	<10	250	0.24	0.19	0.58	0.05	17.35	17.5	71	3.03	47.3	4.15	8.2	0.08	0.02	0.01	0.033	0.83	8.2	42.8	1.54	501	0.69	0.04	0.19	57.2	750	4.4	43.8	0.001	0.23	0.11	9.7	0.5	0.5	16.3	<0.01	0.04	3.1	0.127	0.24	0.41	106	2.93	4.9	44	<0.5	
46216	0.002	0.16	2.69	19.9	<0.2	<10	250	0.33	0.29	0.72	0.07	23.1	20.7	68	3.28	60.2	4.05	9.39	0.08	0.02	<0.01	0.041	0.89	11.4	48.7	1.44	504	0.99	0.06	0.24	57.1	810	5.7	49.6	0.002	0.31	0.08	10.9	0.6	0.6	35.5	<0.01	0.06	4.4	0.136	0.3	0.67	105	0.99	5.93	33	0.6	
46217	0.001	0.16	2.83	14.9	<0.2	<10	330	0.21	0.3	0.36	0.06	23.7	21.8	73	5.02	57	4.35	10.2	0.11	0.03	<0.01	0.039	1.2	12.5	37.4	1.54	419	1.23	0.05	0.31	59.2	820	4.7	71.9	0.002	0.35	<0.05	11	0.7	0.7	20.1	<0.01	0.06	5.4	0.187	0.44	0.87	121	0.13	6.75	51	0.6	
46218	0.001	0.11	2.89	10.9	<0.2	<10	350	0.21	0.22	0.68	0.05	18.75	16.8	60	4.28	45.1	3.74	8.95	0.07	0.02	<0.01	0.031	1.2	9.4	30.8	1.36	474	0.87	0.11	0.21	47.3	750	4.5	59.4	0.001	0.26	<0.05	8.4	0.4	0.6	36	<0.01	0.04	4.1	0.177	0.36	0.56	101	0.21	5.75	85	<0.5	
46219	0.027	0.12	1.84	12.3	<0.2	<10	260	0.19	0.08	0.93	0.06	14.2	10.8	38	2.55	21.1	2.84	7.01	0.06	<0.02	<0.01	0.02	0.81	7.1	24.1	0.98	435	0.71	0.06	0.16	23.7	550	3	42.2	0.001	0.17	0.08	6.3	0.2	0.4	22.2	<0.01	0.01	3.4	0.14	0.22	0.44	62	0.46	5.4	64	<0.5	
46220	0.004	0.07	2.14	12.3	<0.2	<10	430	0.11	0.05	0.85	0.05	8.91	10.7	45	2.11	19.5	2.94	7.83	0.06	0.02	<0.01	0.025	1.22	4.5	26.9	1.16	465	0.49	0.12	0.16	20.4	530	1.7	40.2	<0.001	0.16	<0.05	8.7	0.2	0.7	32.8	<0.01	0.01	1.7	0.223	0.23	0.28	86	0.39	5.32	62	<0.5	
46221	0.005	0.06	2.34	19.5	<0.2	<10	510	0.08	0.07	0.59	0.04	8.21	12.8	58	1.9	23.6	3.31	9.23	0.09	<0.02	<0.01	0.032	1.4	4.1	39.7	1.27	462	0.64	0.09	0.18	25.8	590	1.2	44.8	0.001	0.25	0.05	10.9	0.3	0.8	21.5	<0.01	0.02	1.9	0.255	0.25	0.26	103	0.32	5.15	69	<0.5	
46222	0.011	0.09	3.06	46.3	<0.2	<10	330	0.19	0.08	1.58	0.08	8.08	23.3	45	2.35	57.6	4.46	10.65	0.1	0.03	<0.01	0.031	1.56	4.3	48.5	1.23	584	2.65	0.2	0.26	48.8	1900	1.2	48.9	0.001	0.46	0.05	14	0.4	0.8	58	0.01	0.03	1.5	0.308	0.34	0.24	119	0.57	9.9	96	0.6	
46223	0.029	0.06	2.86	1.4	<0.2	<10	140	0.16	0.01	2.23	0.07	4.03	30.3	78	2.44	83.1	4.29	9.98	0.19	0.04	<0.01	0.031	1.32	1.9	57.4	1.29	507	0.15	0.19	0.3	72.3	2810	0.4	47.1	<0.001	0.06	<0.05	16	0.3	0.6	58	<0.01	0.02	0.2	0.269	0.28	0.05	125	0.38	11.45	102	0.6	
46224	0.007	0.05	3.21	1.2	<0.2	<10	140	0.23	0.02	1.5	0.04	3.96	26.3	168	2.24	61.8	3.71	9.54	0.22	0.04	<0.01	0.034	1.22	1.6	70.6	1.87	323	0.32	0.25	0.16	96.8	1840	0.4	43.1	<0.001	0.03	<0.05	14.4	0.3	0.6	50.7	<0.01	0.01	<0.2	0.26	0.29	<0.05	117	0.27	10.7	86	0.8	
B-33	0.003	0.07	3.32	<0.1	<0.2	<10	10	0.05	0.01	1.86	0.02	5	21.5	109	<0.05	195	5.04	7.48	0.11	0.07	<0.01	0.008	0.02	2	1.2	0.9	257	0.21	0.42	0.11	44.5	420	<0.2	0.6	0.002	0.06	<0.05	2.9	0.5	0.2	40.5	<0.01	0.02	<0.2	0.192	<0.02	<0.05	185	<0.05	7.49	25	1.3	

VA10188531 - Finalized
CLIENT : "MILBAVE - Mill Bay Ventures"
# of SAMPLES : 106
DATE RECEIVED : 2010-12-13 DATE FINALIZED : 2011-01-11
PROJECT : "Valentine"
CERTIFICATE COMMENTS : "ME-MS41:Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g). "
PO NUMBER : "3"

	Au-TL44	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	Au-OG44
SAMPLE	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr	Au
DESCRIPTION	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
46225	0.014	0.06	2.56	1	<0.2	<10	90	0.21	<0.01	1.98	0.04	3.3	26.2	29	1.69	52.6	3.62	7.33	0.16	0.06	0.01	0.021	0.92	1.4	53.4	1.49	413	0.09	0.18	0.38	50.3	1920	0.3	28.9	<0.001	0.06	0.09	11.6	0.5	0.5	53.3	<0.01	0.02	0.2	0.282	0.14	0.06	94	0.38	8.23	74	1.2	
46226	0.02	0.09	2.65	3.3	<0.2	<10	140	0.16	0.01	2.32	0.04	3.56	33.5	38	2.59	74.2	4.71	8.48	0.18	0.06	0.01	0.025	1.4	1.6	60.6	1.42	629	0.06	0.14	0.32	64.6	2270	0.3	44.5	<0.001	0.14	0.11	14.1	0.6	0.6	22.8	<0.01	0.01	0.2	0.349	0.22	0.06	116	0.34	8.73	96	1.1	
46227	0.007	0.04	2.09	0.9	<0.2	<10	60	0.17	0.01	2.3	0.04	3.12	19.8	23	1	52.1	2.69	5.63	0.14	0.07	0.01	0.018	0.58	1.3	29.6	1.13	407	0.07	0.2	0.5	38.1	1690	0.2	17.9	<0.001	0.07	0.08	9.6	0.5	0.5	47	0.01	0.01	<0.2	0.268	0.09	0.05	75	0.41	7.54	46	1.2	
46228	0.005	0.05	2.7	1.1	<0.2	<10	70	0.19	0.01	1.88	0.04	2.53	21.7	28	1.43	40.3	2.84	6.52	0.16	0.05	0.01	0.017	0.81	1.1	43.8	1.51	369	0.17	0.21	0.28	39.3	1530	0.3	25.4	<0.001	0.04	0.07	9	0.5	0.4	58.7	0.01	0.02	<0.2	0.246	0.13	<0.05	80	0.43	6.25	49	1	
46229	0.008	0.05	3.06	0.8	<0.2	<10	110	0.26	0.01	2.28	0.06	2.2	28.8	135	1.91	55.6	3.82	8.07	0.22	0.06	0.01	0.023	1.12	0.9	49.6	1.43	470	0.05	0.21	0.21	88.7	1750	0.4	37	<0.001	0.11	0.07	11.5	0.5	0.5	56.1	<0.01	0.02	<0.2	0.326	0.18	<0.05	95	0.48	7.93	72	1.3	
46230	0.003	0.04	3.79	1.1	<0.2	<10	110	0.23	0.01	2.38	0.04	2.28	29.4	157	2.55	35.2	4.18	9.83	0.18	0.05	0.01	0.03	1.35	0.8	74	2.02	443	0.13	0.22	0.16	86.9	1260	0.4	46.1	0.001	0.04	0.05	13	0.6	0.5	62.7	<0.01	0.01	<0.2	0.294	0.24	<0.05	109	0.4	7.26	79	0.9	
46231	0.003	0.04	3.43	1.1	<0.2	<10	80	0.21	0.02	2.37	0.06	2.43	21.3	110	1.42	28.4	2.89	8.38	0.19	0.06	0.01	0.019	0.7	0.9	38	1.31	348	0.07	0.28	0.26	67.3	1330	0.5	25.2	0.001	0.04	0.05	9.6	0.4	0.5	108.5	0.01	0.02	<0.2	0.274	0.14	<0.05	77	0.56	7.06	53	1.2	
46232	0.009	0.05	3.77	2.2	<0.2	<10	70	0.2	0.02	2.08	0.04	1.64	33.5	179	2.17	48.9	4.3	9.34	0.19	0.04	0.02	0.025	1	0.6	58.1	1.78	410	0.41	0.23	0.15	100	1230	0.5	33.3	<0.001	0.13	0.05	13.8	0.5	0.5	99.1	<0.01	0.02	<0.2	0.235	0.19	<0.05	99	5.81	7.2	93	0.6	
46233	0.013	0.07	4.04	1.3	<0.2	<10	90	0.15	0.03	1.81	0.04	1.61	37.9	234	2.66	65.3	4.67	9.46	0.2	0.03	0.01	0.029	1.42	0.7	65.6	1.89	438	0.06	0.25	0.12	111.5	1200	0.4	47.6	<0.001	0.04	<0.05	17	0.5	0.4	77.4	<0.01	0.02	<0.2	0.246	0.26	<0.05	105	0.34	7.12	111	0.5	
46234	0.006	0.05	3.03	4.2	<0.2	<10	50	0.17	0.02	2.35	0.04	1.31	25.7	139	1.28	47.8	3.01	6.64	0.16	0.04	0.01	0.019	0.57	0.5	35.8	1.28	386	<0.05	0.25	0.12	85.4	1320	0.4	22.1	<0.001	0.07	0.08	11.9	0.5	0.3	69.7	<0.01	0.02	<0.2	0.183	0.13	<0.05	72	3.36	7.45	57	0.8	
46235	0.006	0.04	2.51	1.4	<0.2	<10	30	0.12	0.01	2.27	0.06	1.61	23.6	138	1.1	39	2.98	5.79	0.17	0.06	0.01	0.019	0.45	0.6	38	1.61	410	0.05	0.21	0.1	85.2	930	0.3	16.4	0.001	0.02	0.07	11.3	0.4	0.3	41.7	<0.01	0.02	<0.2	0.196	0.09	<0.05	74	1.22	7.58	46	1	
46236	0.008	0.06	3.51	1.4	<0.2	<10	70	0.15	0.01	2.85	0.06	1.97	34.5	187	2.36	57.1	4.47	9.12	0.17	0.05	0.01	0.027	0.93	0.7	65.9	2.27	453	0.05	0.17	0.16	121	1480	0.3	31.9	<0.001	0.07	0.06	14.2	0.5	0.4	80.3	<0.01	0.02	<0.2	0.232	0.17	<0.05	119	0.32	8.11	72	0.8	
46237	0.003	0.05	1.91	2.6	<0.2	<10	70	0.17	0.02	1.73	0.04	3.14	16.9	68	3.8	42.9	2.59	5.88	0.15	0.06	0.01	0.019	0.46	1.2	33.2	1.13	280	0.19	0.17	0.34	55.1	1790	0.3	20.9	<0.001	0.06	0.05	7.9	0.6	0.4	43.2	0.01	0.02	<0.2	0.223	0.11	<0.05	74	0.33	8.43	42	1.1	
46238	0.044	0.06	2.9	8.3	<0.2	<10	160	0.34	0.03	1.51	0.03	4.14	27.6	71	6.73	38.7	4.08	9.78	0.27	0.06	0.01	0.03	1.14	1.7	62.2	1.44	337	0.22	0.18	0.33	75.9	2600	0.7	49.5	<0.001	0.13	<0.05	10.3	0.6	0.7	78.7	0.01	0.02	0.2	0.248	0.23	<0.05	106	0.3	10.05	84	1.2	
46239	0.095	0.08	3.26	37.5	<0.2	<10	80	0.24	0.04	2.85	0.07	7.73	35	80	2.11	33.6	5.12	10.85	0.23	0.06	0.01	0.036	0.65	3.3	54.2	1.83	536	0.12	0.12	0.33	87	2660	1.3	28.2	<0.001	0.15	0.09	11.3	0.6	0.5	65.7	0.01	0.02	0.5	0.174	0.14	0.05	117	0.25	10.85	91	1.1	
46240	0.034	0.2	3.15	74.4	<0.2	<10	50	0.27	0.08	5.33	0.24	10.5	43.2	77	0.74	73.9	5.77	10.7	0.13	0.05	0.01	0.055	0.3	4.5	54.3	1.73	800	0.28	0.05	0.27	87.1	2020	2.7	10.5	<0.001	0.7	0.14	11.6	1.2	0.4	39.6	0.01	0.03	0.7	0.104	0.08	0.07	106	0.26	14.05	120	0.9	
46241	0.013	0.14	3.53	57.1	<0.2	<10	110	0.18	0.13	2.15	0.1	7.35	38.6	105	2.3	60.8	6.08	12.4	0.17	0.04	0.01	0.056	0.75	3.5	56.7	2.24	624	6.49	0.07	0.31	86.4	1830	1.6	30.1	0.002	0.62	0.09	14.8	1	0.6	29.3	0.01	0.06	0.7	0.15	0.18	0.1	155	0.17	8.33	128	0.9	
46242	0.001	0.11	2.05	58.4	<0.2	<10	150	0.14	0.06	0.65	0.06	10.6	12.9	44	1.5	21	2.88	6.82	0.08	0.02	0.01	0.027	0.57	5.2	33.4	1.16	387	7.11	0.1	0.19	26	670	1.3	25.1	0.003	0.19	0.05	8.3	0.4	0.5	26	<0.01	0.04	1.9	0.096	0.15	0.26	86	0.11	3.92	56	<0.5	
46243	0.003	0.2	2.84	1310	<0.2	<10	340	0.14	0.38	0.33	0.07	14.95	18.7	72	3.56	66.9	4.66	8.37	0.11	0.02	0.01	0.046	1.54	7.1	44.2	1.59	436	1.25	0.07	0.28	47.1	860	2	69.5	0.001	0.63	0.09	13.9	0.9	1.1	8.1	<0.01	0.51	2.5	0.199	0.38	0.39	133	0.21	3.65	29	<0.5	
46244	0.004	0.17	2.93	766	<0.2	<10	510	0.12	0.39	0.32	0.06	14.65	19	97	3.63	54.5	4.36	9.23	0.15	0.02	0.01	0.053	1.63	7.1	41.8	1.64	416	1.19	0.09	0.26	55.4	830	1.6	69	0.001	0.41	<0.05	17.3	0.7	1.3	9.8	<0.01	0.28	2.5	0.213	0.37	0.55	151	0.17	4.26	49	<0.5	
B-34	0.002	0.07	2.64	0.9	<0.2	<10	10	0.06	0.01	1.77	0.03	4.11	20.1	114	<0.05	126.5	4.65	5.98	0.13	0.16	0.01	0.01	0.01	1.7	0.5	0.76	251	0.18	0.41	0.22	36	410	<0.2	0.3	0.001	0.07	<0.05	3.7	0.6	0.3	33.5	<0.01	0.04	<0.2	0.225	<0.02	<0.05	167	0.05	7.17	22	4.6	
46245	0.001	0.14	2.88	333	<0.2	<10	480	0.12	0.23	0.35	0.05	13.8	19.6	101	3.49	47.7	4.18	9.12	0.15	0.02	0.01	0.048	1.48	6.7	49.1	1.62	415	1.2	0.08	0.25	58.4	780	1.6	63.6	0.001	0.28	<0.05	15.3	0.6	1.2	9.8	<0.01	0.12	2.6	0.196	0.34	0.46	133	0.18	3.94	44	<0.5	
46246	0.003	0.14	2.62	220	<0.2	<10	380	0.18	0.14	0.57	0.08	11.7	15.4	74	2.64	38.3	3.5	9.28	0.12	<0.02	<0.01	0.034	1.04	5.8	41.7	1.46	408	1.18	0.12	0.22	39	650	2	47.1	0.001	0.3	0.05	11.4	0.6	0.8	23.5	<0.01	0.08	2.2	0.142	0.26	0.34	110	0.3	3.73	71	<0.5	
46247	0.002	0.12	2.88	97.6	<0.2	<10	430	0.2	0.13	0.59	0.06	15.9	15.6	110	3.45	34.4	3.41	9.26	0.13	0.02	0.01	0.036	1.28	7.8	39.2	1.46	411	0.94	0.12	0.31	55.5	650	2.1	59.8	0.001	0.2	<0.05	12	0.6	1	29.6	<0.01	0.06	4	0.174	0.32	0.64	102	0.16	4.4	58	<0.5	
46248	0.007	0.15	3.05	1120	<0.2	<10	480	0.18	0.31	0.39	0.04	17.4	25	104	4.19	64.5	4.35	9.36	0.15	0.02	0.01	0.046	1.54	8.9	45.3	1.72	470	1.77	0.08	0.29	73.2	780	3.1	70.9	0.001	0.28	0.09	14.5	0.7	1.1	15.6	<0.01	0.29	3.5	0.197	0.42	0.46	132	0.16	4.89	54	<0.5	
46249	0.003	0.13	2.92	90	<0.2	<10	410	0.13	0.2	0.37	0.04	15.85	18.4	97	3.59	50.5	4.2	8.65	0.13	0.02	0.01	0.046	1.33	7.6	46.5	1.63	462	1.22	0.07	0.27	62.6	890	2.5	59.9	0.001	0.25	0.06	15	0.7	1.1	9.8	<0.01	0.06	3.1	0.185	0.33	0.46	133	3.29	4.62	29	<0.5	
46250	0.003	0.15	3.09	44.1	<0.2	<10	510	0.18	0.21	0.65	0.04	16.8	19.2	97	4.69	56.1	4.41	8.21	0.13	0.03	0.01	0.047	1.62	8.1	42.4	1.68	509	1.11	0.1	0.28	65	790	3	73.7	0.001	0.29	0.13	15.8	0.6	1.3	27.4	<0.01	0.06	3.3	0.217	0.41	0.46	140	0.12	4.22	24	<0.5	
46251	0.003	0.14	2.78	30.8	<0.2	<10	490	0.12	0.18	0.31	0.05	15.1	17.2	88	4.17	49.5	3.94	7.79	0.14	0.02	0.01	0.045	1.5	7.3	34.1	1.5	435	1.07	0.1	0.3	58	920	1.8	69.8	0.001	0.23	<0.05	14.6	0.6	1.3	10	<0.01	0.05	2.9	0.212	0.36	0.48	130	1.33	4.33	20	<0.5	
46252	0.003	0.15	2.69	114	<0.2	<10	490	0.12	0.24	0.26	0.04	14.8	17.2	92	4.41	56.2	3.93	7.7	0.13	0.02	0.01	0.042	1.48	7.3	38	1.44	410	1.02	0.1	0.29	53.5	740	1.9	68.1	<0.001	0.34	<0.05	14.3	0.7	1.2	11.5	<0.01	0.1	2.9	0.207	0.35	0.42	131	1.36	3.74	28	<0.5	
46253	0.002	0.13	2.57	187.5	<0.2	<10	470	0.1	0.2	0.24	0.04	13.1	16.8	85	3.98	43.7	3.76	7.61	0.12	0.02	0.01	0.039	1.42	6.3	34.6	1.38	402	0.98	0.09	0.31	52.4	710	1.6	62.4	0.001	0.27	<0.05	13.5	0.6	1.1	9.2	<0.01	0.1	2.5	0.194	0.34	0.33	123	0.3	3.3	23	<0.5	

VA11001982 - Finalized
CLIENT : "MILBAVE - Mill Bay Ventures"
# of SAMPLES : 15
DATE RECEIVED : 2011-01-04 DATE FINALIZED : 2011-01-10
PROJECT : "Valentine"
CERTIFICATE COMMENTS : ""
PO NUMBER : " "

	Au-SCR24	Au-SCR24	Au-SCR24	Au-SCR24	Au-SCR24	Au-SCR24	Au-AA26	Au-AA26D
SAMPLE	Au Total (+)(-) Combined	Au (+) Fraction	Au (-) Fraction	Au (+) mg	WT. + Frac Entire	WT. - Frac Entire	Au	Au
DESCRIPTION	ppm	ppm	ppm	mg	g	g	ppm	ppm
46198	0.13	<0.05	0.14	<0.001	42.94	1067	0.15	0.12

VA11003890 - Finalized
CLIENT : "MILBAVE - Mill Bay Ventures"
# of SAMPLES : 12
DATE RECEIVED : 2011-01-11 DATE FINALIZED : 2011-01-14
PROJECT : "Valentine"
CERTIFICATE COMMENTS : ""
PO NUMBER : " "

	Au-SCR24	Au-SCR24	Au-SCR24	Au-SCR24	Au-SCR24	Au-SCR24	Au-AA26	Au-AA26D
SAMPLE	Au Total (+)(-) Combined	Au (+) Fraction	Au (-) Fraction	Au (+) mg	WT. + Frac Entire	WT. - Frac Entire	Au	Au
DESCRIPTION	ppm	ppm	ppm	mg	g	g	ppm	ppm
46337	<0.05	<0.05	<0.05	<0.001	39.8	840.4	<0.01	<0.01

Valentine Mountain Project Drill Core Log and Sample Record

Date/Target:	**November, 2010 / Discovery Zone Southwest Extension near 87-11**								**Acid Tests:**	**Hole Number:**	**10-9**			
Location:	**UTM NAD83 Zone 10N 434456E 5374194N 811 m. elevation uncorrected**								**none**	**Collar Azimuth:**	**0**			
Total Length:	**755 feet = 230.12 metres**									**Collar Dip:**	**-52**			
FROM ft	**TO ft**	**WIDTH ft**	**Lithology**	**% Chlorite**	**% Carbonate**	**% Qtz vns**	**% sulphide**	**RQD (% >1**	**Recovery**	**Sample N**	**FROM ft**	**TO ft**	**WIDTH ft**	**Description**
2.5	5	2.5	2	1	1	6	2	20	80	46163	2	5	3	6% qtz 0.1-1.5 cm veins @68 degrees to ca, 1% diss & fract fill py, 1% fract fill limonite, 0'-2.5' casing, 2.5'-119.4' Unit 2 gneiss (metasandstone)
5	10	5	2	1	1	3	1	26	82	46164	11	16.5	5.5	3% qtz 0.1-0.3 cm veins @65 degrees to ca, 1% diss & fract fill py, 0.5% fract fill limonite, broken grd at 7.0-7.2
10	15	5	2	1	1	3	1	24	90	46164	11	16.5	5.5	3% qtz 0.1-0.3 cm veins @65 degrees to ca, 1% diss & fract fill py, 0.5% fract fill limonite, broken grd at 7.0-7.2
15	20	5	2	1	1	6	1	36	90	46165	16.5	22	5.5	6% qtz 0.1-5 cm veins @65 degrees to ca, 1% diss & fract fill py, 0.5% fract fill limonite, broken grd at 16.5-17.1
20	25	5	2	1	1	12	3	68	88	46166	22	25	3	20% qtz 0.1-18 cm veins @40-45 degrees to ca, vein at 23-24, fault at upper contact at 23, 3% diss & fract fill pyo
25	30	5	2	1	1	3	1	50	86	46167	25	30	5	3% qtz 0.1-1 cm veins @65 degrees to ca, 1% diss & fract fill py, minor broken ground
30	35	5	2	1	1	3	1	36	84	46168	30	35	5	3% qtz 0.1-1 cm veins @65 degrees to ca, 1% diss & fract fill py, minor broken ground
35	40	5	2	1	1	3	1	74	96	46169	35	40.7	5.7	3% qtz 0.1-1 cm veins @65 degrees to ca, 1% diss & fract fill py, minor broken ground
40	45	5	2	2	1	10	4	88	99	46170	40.7	42.7	2	20% qtz 0.1-8 cm veins @65 degrees to ca, grey & white qtz, breccia vein texture, 3% diss & fract fill pyo, 1% py
45	50	5	2	1	1	2	1	96	100	46171	42.7	47	4.3	2% qtz 0.1-0.3 cm veins @65-70 degrees to ca, 1% diss & fract fill py
50	55	5	2	1	1	1	1	98	100					
55	60	5	2	1	1	1	1	94	100					
60	65	5	2	1	1	3	1	88	98	46172	61.7	68	6.3	3% qtz 0.1-0.3 cm veins @60-70 degrees to ca, 1% diss & fract fill py
65	70	5	2	2	1	9	3	100	100	46173	68	70	2	12% qtz 0.1-2 cm veins @65 degrees to ca,, breccia vein texture, 2% diss & fract fill pyo, 1% py
70	75	5	2	1	2	3	1	82	90	46174	70	75	5	3% qtz 0.1-0.3 cm veins @60-70 degrees to ca, 1% diss & fract fill py, fault at 74-84, poor rec <50%
75	80	5	2	1	2	2	1	0	48	46175	75	80	5	2% qtz 0.1-0.3 cm veins @60-70 degrees to ca, 1% diss & fract fill py, fault at 74-84, poor rec <50%
80	85	5	2	1	2	3	1	8	40	46176	80	85	5	3% qtz 0.1-0.3 cm veins @60-70 degrees to ca, 1% diss & fract fill py, fault at 74-84, poor rec <50%
85	90	5	2	1	1	3	2	74	94	46177	85	87.5	2.5	8% qtz 0.1-7 cm veins @20 + 58 degrees to ca, 2% diss & fract fill pyo. (blebs to 4 mm), 1% py
90	95	5	2	1	1	6	1	100	100	46178	87.5	91	3.5	5% qtz 0.1-2 cm veins @62-70 degrees to ca, 1% diss & fract fill py
95	100	5	2	1	1	5	1	100	100	46179	91	96	5	5% qtz 0.1-2 cm veins @62-70 degrees to ca, 1% diss & fract fill py
100	105	5	2	1	1	5	1	98	100	46180	96	100	4	5% qtz 0.1-2 cm veins @62-70 degrees to ca, 1% diss & fract fill py
105	110	5	2	1	1	3	1	96	100	46181	108	112.2	4.2	3% qtz 0.1-1 cm veins @60-65 degrees to ca, 1% diss & fract fill py, fault zone, clay at 110.3-111
110	115	5	2	1	1	1	1	62	88					
115	120	5	2 + 1	1	1	1	1	100	100					
120	125	5	1	1	1	3	1	100	100	46182	119.4	127.7	8.3	3% qtz 0.1-0.8 cm veins @45 + 68 degrees to ca, 1% diss & fract fill py, 119.4'-166.5' Unit 1 schist (metapelite)
125	130	5	1	1	1	6	1	100	100	46183	127.7	131	3.3	7% qtz 0.1-1.5 cm veins @55-68 degrees to ca, 1% diss & fract fill py
130	135	5	1	1	1	1	1	94	99					
135	140	5	1	1	1	1	1	90	98					
140	145	5	1	1	1	4	1	100	100	46184	143	148	5	4% qtz 0.1-2.5 cm veins @65-70 degrees to ca, 1% diss & fract fill py
145	150	5	1	1	1	4	1	100	100	46185	148	153	5	4% qtz 0.1-2.5 cm veins @65-70 degrees to ca, 1% diss & fract fill py
150	155	5	1	1	1	4	1	96	100	46186	153	157.5	4.5	4% qtz 0.1-2.5 cm veins @65-70 degrees to ca, 1% diss & fract fill py
155	160	5	1	1	1	4	1	94	100	46187	157.5	161.5	4	4% qtz 0.1-2.5 cm veins @65-70 degrees to ca, 1% diss & fract fill py
160	165	5	1	1	1	4	1	94	98	46188	161.5	166.5	5	4% qtz 0.1-2.5 cm veins @65-70 degrees to ca, 1% diss & fract fill py
165	170	5	2 + 1	1	1	4	1	100	100	46189	166.5	172.5	6	4% qtz 0.1-2.5 cm veins @65-70 degrees to ca, 1% diss & fract fill py, 166.5'-210' Unit 2 gneiss (metasandstone)
170	175	5	2	1	1	6	1	100	100	46190	172.5	175	2.5	6% qtz 0.1-3 cm veins @55-65 degrees to ca, 1% diss & fract fill py
175	180	5	2	1	1	4	1	100	100	46191	175	180	5	4% qtz 0.1-0.8 cm veins @55-70 degrees to ca, 1% diss & fract fill py
180	185	5	2	1	1	4	1	100	100	46192	180	185	5	4% qtz 0.1-0.8 cm veins @55-70 degrees to ca, 1% diss & fract fill py
185	190	5	2	1	1	3	1	100	100	46193	185	190	5	3% qtz 0.1-3 cm veins @60 degrees to ca, 1% diss & fract fill py
190	195	5	2	1	1	3	1	100	100	46194	190	195	5	3% qtz 0.1-3 cm veins @60 degrees to ca, 1% diss & fract fill py
195	200	5	2	1	1	8	1	100	100	46195	195	198.9	3.9	3% qtz 0.1-3 cm veins @60 degrees to ca, 1% diss & fract fill py
200	205	5	2	1	1	4	3	80	96	46196	198.9	200	1.1	20% qtz 0.1-12 cm veins @70 degrees to ca, milky & dark grey qtz, 4% diss & fract fill pyo (c gr blebs to 3 mm at qtz vn contacts), 1% py
205	210	5	2	1	1	4	1	90	100	46197	200	205	5	5% qtz 0.1-0.5 cm veins @70 degrees to ca, 1% diss & fract fill pyo, 1% py, weak qtz stockwork text at 202.7-202.9, fault at 203.1-203.2
210	215	5	1	1	1	2	1	65	94	46198	205	210	5	4% qtz 0.1-2 cm veins @60-70 degrees to ca, 1% diss & fract fill py
215	220	5	1	1	1	2	1	80	98	46199	210	215	5	2% qtz 0.1-2 cm veins @60-70 degrees to ca, 2% diss & fract fill pyo,1% py, broken ground at 210-211.8, 210'-237.3' Unit 1 schist (metapelite)
220	225	5	1	1	1	3	1	100	100	46200	215	220	5	2% qtz 0.1-0.2 cm veins @38-68 degrees to ca, 2% diss & fract fill pyo,1% py
225	230	5	1	2	1	11	1	100	100	46201	220	225	5	3% qtz 0.1-1.5 cm veins @38-68 degrees to ca, 2% diss & fract fill pyo,1% py, contorted foliation at 220.5-221.3, broken ground at 222-225,
230	235	5	1	2	1	6	2	92	98	46202	225	229	4	12% qtz 0.1-6 cm veins @63-75 degrees to ca, 3% diss & fract fill pyo, 2% py, trace cpy, 4% chlorite
235	240	5	2 + 1	1	1	3	2	96	98	46203	229	232.7	3.7	6% qtz 0.1-4 cm veins @58-73 degrees to ca, 1% diss & fract fill pyo, 1% py
240	245	5	2	2	1	6	2	100	100	46204	232.7	237.3	4.6	3% qtz 0.1-1 cm veins @60 degrees to ca, 1% diss & fract fill pyo, 1% py, 237.3'-263' Unit 2 gneiss (metasandstone)
245	250	5	2	1	1	2	3	100	100	46205	248.7	250	1.3	10% qtz 0.1-3.5 cm veins @68 degrees to ca, late stage white qtz @38 deg to ca, 3% diss & fract fill pyo, 1% py
250	255	5	2	1	1	3	1	94	100	46206	250	255	5	2% qtz 0.1-1 cm veins @52-60 degrees to ca, 1% diss & fract fill pyo, 1% py, 2% chlorite
255	260	5	2	1	1	3	1	80	100	46207	255	260	5	3% qtz 0.1-0.8 cm veins @50-68 degrees to ca, 1% diss & fract fill pyo, 1% py, weak contorted foliation at 255.3-255.8
260	265	5	2 + 1	1	1	2	1	20	90	46208	260	265	5	2% qtz 0.1-0.3 cm veins @50-55 degrees to ca, 1% diss py, fault at 263.5-271, 263'-281' Unit 1 schist (metapelite)
265	270	5	1	1	1	2	1	0	80	46209	265	270	5	2% qtz 0.1-0.3 cm veins @50-55 degrees to ca, 1% diss py, fault zone, clay at 266.2-266.9, 5% chlorite
270	275	5	1	1	1	3	1	15	80	46210	270	275	5	3% qtz 0.1-1.5 cm veins @48-58 degrees to ca, 1% diss py, fault zone, clay at 273.9-275, 2% chlorite
275	280	5	1	1	1	4	2	46	96	46211	275	281	6	4% qtz 0.1-1 cm veins @60 degrees to ca, 1% diss & fract fill pyo, 1% py, 4% diss sub-hedral to euhedral andalusite, 2% garnet at 275-330
280	285	5	2 + 1	1	1	5	2	44	100	46212	281	287.5	6.5	5% qtz 0.1-0.5 cm veins @60 degrees to ca, 1% diss & fract fill pyo, 1% py, 281'-293' Unit 2 gneiss (metasandstone)
285	290	5	2	1	1	5	2	58	100	46213	287.5	293	5.5	5% qtz 0.1-2 cm veins @65-70 degrees to ca, 1% diss & fract fill pyo, 1% py, weak stockwork texture at 288-290.3
290	295	5	2 + 1	1	1	5	2	100	100	46214	293	295.5	2.5	5% qtz 0.1-1 cm veins @65-75 degrees to ca, 1% diss & fract fill pyo, 1% py, 293'-360' Unit 1 schist (metapelite)
295	300	5	1	1	1	1	1	100	100					
300	305	5	1	1	1	1	1	100	100					
305	310	5	1	1	1	3	1	100	100	46215	307.5	313	5.5	3% qtz 0.1-2 cm veins @50-60 degrees to ca, 1% py, fault zone, clay at 312-312.5
310	315	5	1	1	1	4	1	36	96	46216	313	319	6	4% qtz 0.1-3 cm veins @40-65 degrees to ca, 1% diss & fract fill py, minor qtz breccia veins
315	320	5	1	1	1	2	1	48	98	46217	319	324	5	2% qtz 0.1-0.5 cm veins @65 degrees to ca, 1% py, fault zone, clay at 323-323.3
320	325	5	1	1	1	2	1	56	94	46218	324	329	5	2% qtz 0.1-0.5 cm veins @60 degrees to ca, 1% diss & fract fill py
325	330	5	1	4	1	3	1	40	92	46219	329	335	6	3% qtz 0.1-3 cm veins @55-70 degrees to ca, 1% py, 4% chlorite, fault zone, clay at 330.8-333
330	335	5	1	1	1	3	1	5	80	46220	335	341	6	3% qtz 0.1-1 cm veins @65 degrees to ca, 1% diss & fract fill py
335	340	5	1	1	1	6	2	76	99	46221	350	355	5	6% qtz 0.1-2.5 cm veins @10 + 50 + 75 degrees to ca, 2% diss & fract fill py
340	345	5	1	1	1	6	2	100	100	46222	355	360	5	6% qtz 0.1-2.5 cm veins @10 + 50 + 75 degrees to ca, 2% diss & fract fill py
345	350	5	1	1	1	6	2	100	100	46223	360	365	5	6% qtz 0.1-2.5 cm veins @10 + 50 + 75 degrees to ca, 2% diss & fract fill py, 2% calcite, 360'-430.2' Unit 3 amphibolite (metavolcanic)
350	355	5	1	1	1	6	2	98	100	46224	365	371	6	6% qtz 0.1-2.5 cm veins @10 + 50 + 75 degrees to ca, 2% diss & fract fill py, 2% calcite
355	360	5	1	1	1	1	1	98	100					
360	365	5	3	1	2	1	1	96	100					
365	370	5	3	1	2	1	1	100	100					
370	375	5	3	1	2	1	1	92	100					
375	380	5	3	1	2	1	1	94	100					
380	385	5	3	1	2	1	1	96	100					
385	390	5	3	1	2	1	1	78	100					
390	395	5	3	1	2	1	1	100	100					
395	400	5	3	1	2	1	1	100	100					
400	405	5	3	1	2	1	1	100	100					
405	410	5	3	1	2	1	1	100	100					
410	415	5	3	1	2	1	1	88	98					
415	420	5	3	1	2	1	1	84	98					
420	425	5	3	1	2	1	1	92	100					
425	430	5	3	1	2	1	1	94	100					
430	435	5	3 + 5	1	2	1	1	15	88					430.2'-439' Unit 5 quartz diorite (Eocene dyke/sill)
435	440	5	3 + 5	1	2	1	1	20	90					439'-679.7' Unit 3 amphibolite (metavolcanic)
440	445	5	3	1	2	1	1	46	94					
445	450	5	3	1	2	1	1	58	96					
450	455	5	3	1	2	1	1	70	94					
455	460	5	3	1	2	1	1	62	96					
460	465	5	3	1	2	1	1	90	100					
465	470	5	3	1	2	1	1	88	100					
470	475	5	3	1	2	1	1	96	100					
475	480	5	3	1	2	1	1	100	100					
480	485	5	3	1	2	1	1	86	100					
485	490	5	3	1	2	2	2	80	100	46225	487.8	492	4.2	2% qtz 2% calcite, 0.1-2 cm veins @75 degrees to ca, 1% pyo, 1% py, 2% chlorite, 5% actinolite, 3% epidote, fault zone at 490-491
490	495	5	3	1	2	4	1	46	100	46226	492	497	5	4% qtz 2% calcite, 0.1-0.5 cm veins @65-75 degrees to ca, 1% diss & fract fill py, 1% late-stage calcite-gypsum fracture coatings
495	500	5	3	1	2	2	1	68	100	46227	497	502	5	2% qtz 2% calcite, 0.1-0.5 cm veins @65-75 degrees to ca, 1% diss & fract fill py, 1% late-stage calcite-gypsum fracture coatings
500	505	5	3	1	2	5	2	100	100	46228	502	507	5	5% qtz 0.1-4 cm veins @68-73 degrees to ca, 2% calcite, 2% diss & fract fill py, 5% actinolite, 3% chlorite
505	510	5	3	1	2	5	2	94	100	46229	507	512	5	5% qtz 0.1-4 cm veins @68-73 degrees to ca, 2% calcite, 2% diss & fract fill py, 5% actinolite, 3% chlorite
510	515	5	3	1	2	3	1	88	100	46230	512	518	6	3% qtz 0.1-4 cm veins @40 + 75 degrees to ca, 2% calcite, 1% diss & fract fill py
515	520	5	3	1	2	3	1	92	100	46231	518	524	6	3% qtz 0.1-3 cm veins @40 + 75 degrees to ca, 2% calcite, 1% diss & fract fill py
520	525	5	3	1	2	6	1	96	100	46232	524	530	6	6% qtz 0.1-3 cm veins @55-70 degrees to ca, 2% calcite, 1% py, fault zone, clay at 526.3-529, 10% actinolite, trace tourmaline
525	530	5	3	1	2	3	1	76	98	46233	530	536	6	3% qtz 0.1-3 cm veins @55-70 degrees to ca, 2% calcite, 1% py, contorted foliation at 535-536, 5% andalusite at 533-535
530	535	5	3	1	2	6	1	82	98	46234	536	542	6	6% qtz 0.1-7 cm veins @10 + 75 degrees to ca, 2% calcite, 1% diss & fract fill py, 3% chlorite (late-stage replacement)
535	540	5	3	1	2	2	1	100	100	46235	542	548	6	2% qtz 0.1-3 cm veins @40 + 75 degrees to ca, 2% calcite, 1% diss & fract fill py, weak clay, fault at 542.3-542.35
540	545	5	3	1	2	3	1	92	100	46236	548	554	6	3% qtz 0.1-3 cm veins @40 + 75 degrees to ca, 4% epidote, 2% calcite, 1% diss & fract fill py, 0.1% hem f gr fract coatings at 549.3-550.8, fault at 551.3-551.4, & 553.3-554
545	550	5	3	1	2	1	1	96	100					
550	555	5	3	1	2	1	1	88	100					
555	560	5	3	1	2	1	1	98	100					
560	565	5	3	1	2	1	1	100	100					
565	570	5	3	1	2	1	1	84	90					
570	575	5	3	1	2	1	1	100	100					
575	580	5	3	1	2	1	1	100	100					
580	585	5	3	1	2	1	1	100	100					
585	590	5	3	1	2	1	1	100	100					
590	595	5	3	1	2	1	1	100	100					
595	600	5	3	1	2	1	1	100	100					
600	605	5	3	1	2	1	1	100	100					
605	610	5	3	1	2	1	1	100	100					
610	615	5	3	1	2	1	1	96	100					
615	620	5	3	1	2	1	1	100	100					
620	625	5	3	1	2	1	1	100	100					
625	630	5	3	1	2	1	1	100	100					
630	635	5	3	1	2	1	1	98	100					
635	640	5	3	1	2	1	1	90	100					
640	645	5	3	1	2	1	1	100	100					
645	650	5	3	1	2	1	1	100	100					
650	655	5	3	1	2	3	1	100	100	46237	650	655	5	3% qtz 0.1-1 cm veins @58-70 degrees to ca, 1% calcite, 1% diss & fract fill py
655	660	5	3	1	2	3	1	100	100	46238	655	660	5	3% qtz 0.1-1 cm veins @58-70 degrees to ca, 1% calcite, 1% diss & fract fill py
660	665	5	3	1	2	8	1	68	92	46239	660	665	5	8% qtz 0.1-8 cm veins @30 + 75 degrees to ca, breccia vn texture at 661.8-666.8, 2% calcite, 1% diss & fract fill py, 1% garnet
665	670	5	3	1	2	7	1	58	90	46240	665	670	5	7% qtz 0.1-1 cm veins @58-70 degrees to ca, 2% calcite, 1% diss & fract fill py, weak stockwork texture, fault zone at 666.5-667.5
670	675	5	3	3	2	67	1	42	92	46241	670	675	5	6% qtz 0.1-4 cm veins @5 + 80 degrees to ca, 1% calcite, 1% diss & fract fill py, 3% chlorite
675	680	5	3 + 1	3	2	4	1	58	88	46242	675	680	5	7% qtz 0.1-3 cm veins @5 + 80 degrees to ca, 2% calcite, 1% diss & fract fill py, 3% chlorite, fault zone at 677-679.3, 679,7'-755' Unit 1 biotite schist (metapelite)
680	685	5	1	2	1	4	3	94	100	46243	680	685	5	4% qtz 0.1-1 cm veins @75-80 degrees to ca, 2% diss & fract fill pyo, 1% py, 2% chlorite
685	690	5	1	2	1	4	3	100	100	46244	685	690	5	4% qtz 0.1-1 cm veins @75-80 degrees to ca, 2% diss & fract fill pyo, 1% py, 2% chlorite, contorted foliation at 685-690
690	695	5	1	1	1	4	2	100	100	46245	690	695	5	4% qtz 0.1-1 cm veins @75-80 degrees to ca, 1% diss & fract fill pyo, 1% py
695	700	5	1	1	1	4	2	100	100	46246	695	700	5	4% qtz 0.1-1 cm veins @75-80 degrees to ca, 1% diss & fract fill pyo, 1% py
700	705	5	1	1	1	4	2	50	98	46247	700	705.5	5.5	4% qtz 0.1-1 cm veins @75-80 degrees to ca, 1% diss & fract fill pyo, 1% py
705	710	5	1	2	1	4	3	40	90	46248	705.5	711	5.5	4% qtz 0.1-1 cm veins @75-80 degrees to ca, 2% diss & fract fill pyo, 1% py, 2% chlorite, fault zone 706-707.5
710	715	5	1	1	1	4	2	94	100	46249	711	716.5	5.5	4% qtz 0.1-1 cm veins @75-80 degrees to ca, 1% diss & fract fill pyo, 1% py
715	720	5	1	1	1	1	1	98	100					
720	725	5	1	1	1	1	1	100	100					
725	730	5	1	1	1	4	2	100	100	46250	724.5	729.5	5	4% qtz 0.1-1 cm veins @75-80 degrees to ca, 1% diss & fract fill pyo, 1% py
730	735	5	1	1	1	4	2	88	100	46251	729.5	734.5	5	4% qtz 0.1-1 cm veins @75-80 degrees to ca, 1% diss & fract fill pyo, 1% py
735	740	5	1	1	1	1	1	100	100					
740	745	5	1	1	1	1	1	100	100					
745	750	5	1	1	1	6	1	100	100	46252	746.5	751	4.5	6% qtz 0.1-3 cm veins @40 + 76 degrees to ca, 2% diss & fract fill pyo, 1% py
750	755	5	1	1	1	8	1	100	100	46253	751	755	4	8% qtz 0.1-9 cm veins @50-75 degrees to ca, 2% diss & fract fill pyo, 1% py

Valentine Mountain Project Drill Core Log and Sample Record

Date/Target:	**November, 2010 / Discovery Zone Southwest Extension near 87-11**		**Pajari Test**	**Azimuth**	**Dip**	**Hole Number:**		**10-10**	
Location:	**UTM NAD83 Zone 10N 434424E 5374200N 809 m. elevation uncorrected**		**470 feet**	**348**	**-44**	**Collar Azimuth:**		**0**	
Total Length:	**472 feet = 143.87 metres**		**143.26 metres**	**348**	**-44**		**Collar Dip:**	**-52**	
Interval (m)	**Description**	**Rx**	**Sample No**	**From (m)**	**To (m)**	**Length (m)**	**Au g/t**	**Ag g/t**	**As ppm**
0.61	Overburden	casing		0.00	0.61	0.61			
0.91	Quartz Vein	6	46254	0.61	1.52	0.91	0.003	0.06	48.1
1.52	Metasandstone	2	46255	1.52	3.05	1.52	0.003	0.06	11.6
1.52	Metasandstone	2	46256	3.05	4.57	1.52	0.005	0.08	124
1.52	Metasandstone	2	46257	4.57	6.10	1.52	0.002	0.06	15.6
1.52	Metasandstone	2	46258	6.10	7.62	1.52	0.003	0.04	9.9
1.83	Metasandstone	2	46259	7.62	9.45	1.83	0.003	0.04	11.4
1.83	Metasandstone	2	46260	9.45	11.28	1.83	0.046	0.03	430
1.22	Quartz Vein	6	46261	11.28	12.50	1.22	0.002	0.02	4.2
1.52	Metasandstone	2	46262	12.50	14.02	1.52	0.002	0.02	2
1.37	Metasandstone	2	46263	14.02	15.39	1.37	0.002	0.02	2.7
0.91	Quartz Vein	6	46264	15.39	16.31	0.91	0.002	0.02	3.8
1.98	Metasandstone	2	46265	16.31	18.29	1.98	0.001	0.02	7
0.76	Quartz Vein	6	46266	18.29	19.05	0.76	0.002	0.02	210
1.52	Metasandstone	2	46267	19.05	20.57	1.52	0.002	0.05	26.8
1.37	Metasandstone	2	46268	20.57	21.95	1.37	0.002	0.05	5
0.61	Quartz Vein	6	46269	21.95	22.56	0.61	0.002	0.05	18.5
0.91	Quartz Vein	6	46270	22.56	23.47	0.91	0.002	0.05	37.7
0.91	Quartz Vein	6	46271	23.47	24.38	0.91	0.002	0.04	11.1
1.52	Metasandstone	2	46272	24.38	25.91	1.52	0.003	0.04	14.5
1.52	Metasandstone	2	46273	25.91	27.43	1.52	0.002	0.04	8.8
1.52	Metasandstone	2	46274	27.43	28.96	1.52	0.001	0.04	8.4
1.52	Metasandstone	2	46275	28.96	30.48	1.52	0.001	0.03	12.9
1.52	Metasandstone	2	46276	30.48	32.00	1.52	0.002	0.05	26.3
1.52	Metasandstone	2	46277	32.00	33.53	1.52	0.001	0.04	1.6
1.52	Metasandstone	2	46278	33.53	35.05	1.52	0.001	0.05	4.5
1.52	Metasandstone	2	46279	35.05	36.58	1.52	0.001	0.06	6.2
1.52	Metasandstone	2	46280	36.58	38.10	1.52	<0.001	0.08	7.3
1.52	Metasandstone	2	46281	38.10	39.62	1.52	0.001	0.06	2.7
1.52	Metasandstone	2	46282	39.62	41.15	1.52	0.001	0.11	1.4
1.52	Metapelite	1	46283	41.15	42.67	1.52	0.001	0.08	7.7
1.83	Metapelite	1	46284	42.67	44.50	1.83	0.001	0.1	3.7
1.83	Metapelite	1	46285	44.50	46.33	1.83	0.002	0.07	7.9
1.83	Metapelite	1	46286	46.33	48.16	1.83	0.002	0.07	36.8
1.74	Metapelite	1	46287	48.16	49.90	1.74	0.002	0.06	11.2
1.31	Metapelite	1	46288	49.90	51.21	1.31	0.001	0.05	3.6
0.61	Metapelite	1	46289	51.21	51.82	0.61	0.001	0.06	5
0.91	Metapelite	1	46290	51.82	52.73	0.91	0.002	0.07	2.3
0.61	Metapelite	1	46291	52.73	53.34	0.61	0.003	0.09	11.7
0.73	Metapelite	1	46292	53.34	54.07	0.73	0.001	0.05	23.6
1.10	Metasandstone	2	46293	54.07	55.17	1.10	0.001	0.04	8
1.07	Metasandstone	2	46294	55.17	56.24	1.07	<0.001	0.05	9.2
3.66	Metapelite	1	46295	56.24	59.89	3.66	0.001	0.05	15.4
1.07	Quartz Vein	6	46296	59.89	60.96	1.07	0.047	0.09	381
0.91	Quartz Diorite	5	46297	60.96	61.87	0.91	0.005	0.04	6.5
4.63	Quartz Diorite	5	46298	61.87	66.51	4.63	0.017	0.05	5.6
1.77	Metapelite	1	46299	66.51	68.28	1.77	0.002	0.07	8.8
1.83	Metapelite	1	46300	68.28	70.10	1.83	0.27	0.06	567
3.44	Quartz Diorite	5		70.10	73.55	3.44			
5.94	Metapelite	1		73.55	79.49	5.94			
0.73	Quartz Vein	6	46301	79.49	80.22	0.73	0.76	0.08	1800
3.96	Quartz Diorite	5		80.22	84.19	3.96			
0.21	Metapelite	1		84.19	84.40	0.21			
1.55	Metapelite	1	46302	84.40	85.95	1.55	0.01	0.07	156.5
1.52	Metapelite	1	46303	85.95	87.48	1.52	0.001	0.11	10.2
1.52	Metapelite	1	46304	87.48	89.00	1.52	0.002	0.12	19.5
1.52	Metapelite	1	46305	89.00	90.53	1.52	0.008	0.15	78.3
1.52	Metapelite	1	46306	90.53	92.05	1.52	0.001	0.12	21.6
1.52	Metapelite	1	46307	92.05	93.57	1.52	0.001	0.17	15.5
1.52	Metapelite	1	46308	93.57	95.10	1.52	0.002	0.13	8.9
1.52	Metapelite	1	46309	95.10	96.62	1.52	0.001	0.14	15.7
1.52	Metapelite	1	46310	96.62	98.15	1.52	0.002	0.14	66.4
1.52	Metapelite	1	46311	98.15	99.67	1.52	0.028	0.11	15.6
1.52	Metapelite	1	46312	99.67	101.19	1.52	1.06	0.26	259
1.52	Metasandstone	2	46313	101.19	102.72	1.52	0.019	0.05	9.4
1.22	Metasandstone	2	46314	102.72	103.94	1.22	0.009	0.05	17.6
1.46	Metasandstone	2	46315	103.94	105.40	1.46	0.009	0.06	7.4
1.28	Metasandstone	2	46316	105.40	106.68	1.28	0.003	0.09	4.7
1.52	Metasandstone	2	46317	106.68	108.20	1.52	0.38	0.08	9.8
1.52	Amphibolite	3	46318	108.20	109.73	1.52	1.41	0.08	0.9
1.52	Amphibolite	3	46319	109.73	111.25	1.52	0.047	0.05	0.8
1.52	Amphibolite	3	46320	111.25	112.78	1.52	0.017	0.04	1.5
5.18	Amphibolite	3		112.78	117.96	5.18			
2.23	Amphibolite	3	46321	117.96	120.18	2.23	0.019	0.04	1.8
1.52	Amphibolite	3	46322	120.18	121.71	1.52	0.006	0.04	1.2
8.41	Amphibolite	3		121.71	130.12	8.41			
1.55	Amphibolite	3	46323	130.12	131.67	1.55	0.007	0.04	2.8
1.55	Amphibolite	3	46324	131.67	133.23	1.55	0.006	0.04	1.3
4.18	Amphibolite	3	46325	133.23	137.40	4.18	0.004	0.02	0.1
6.46	Amphibolite	3		137.40	143.87	6.46			

VA10188531 - Finalized
CLIENT : "MILBAVE - Mill Bay Ventures"
# of SAMPLES : 106
DATE RECEIVED : 2010-12-13 DATE FINALIZED : 2011-01-11
PROJECT : "Valentine"
CERTIFICATE COMMENTS : "ME-MS41:Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g). "
PO NUMBER : "3"

	Au-TL44	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
SAMPLE	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
DESCRIPTION	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
46254	0.003	0.06	1.87	48.1	<0.2	<10	280	0.12	0.08	0.45	0.06	9.43	10.9	38	1.64	21.5	2.76
46255	0.003	0.06	2.3	11.6	<0.2	<10	460	0.11	0.07	0.49	0.05	7.38	12.9	47	1.87	24	3.13
46256	0.005	0.08	2.54	124	<0.2	<10	470	0.11	0.12	0.46	0.07	9.64	13.9	55	2.37	31.2	3.67
46257	0.002	0.06	2.2	15.6	<0.2	<10	340	0.1	0.16	0.51	0.06	11	12.1	46	3.13	35.5	3.6
46258	0.003	0.04	1.98	9.9	<0.2	<10	240	0.1	0.1	0.77	0.06	8.68	10.5	32	2.31	25	3.05
46259	0.003	0.04	1.86	11.4	<0.2	<10	300	0.07	0.08	0.81	0.06	8.85	9.4	36	1.91	19.1	2.84
46260	0.046	0.03	1.8	430	<0.2	<10	260	0.09	0.07	0.47	0.05	8.54	10	37	1.96	16.5	2.81
46261	0.002	0.02	2.06	4.2	<0.2	<10	400	0.07	0.03	0.34	0.03	6.56	11.2	48	2.12	20.5	3.08
46262	0.002	0.02	2.31	2	<0.2	<10	460	0.09	0.04	0.34	0.04	6.64	11.9	52	2.59	18.9	3.44
46263	0.002	0.02	2.33	2.7	<0.2	<10	530	0.08	0.04	0.36	0.03	6.15	12.5	56	2.48	21.7	3.46
46264	0.002	0.02	2.01	3.8	<0.2	<10	380	0.09	0.03	0.3	0.03	5.2	10.6	45	2.04	18.7	3.07
B-35	0.002	0.03	2.75	<0.1	<0.2	<10	10	0.06	0.01	2.13	0.04	4.33	16.1	50	<0.05	98.9	3.34
46265	0.001	0.02	2.58	7	<0.2	<10	520	0.1	0.03	0.39	0.05	8.3	13.4	62	3.43	16.7	3.84
46266	0.002	0.02	1.79	210	<0.2	<10	290	0.08	0.06	0.33	0.05	7.48	9.7	34	1.98	14.6	2.85
46267	0.002	0.05	2.38	26.8	<0.2	<10	160	0.09	0.07	0.37	0.07	8.12	12.6	49	1.96	26.8	4.31
46268	0.002	0.05	2.17	5	<0.2	<10	430	0.12	0.07	0.23	0.05	9.95	11.6	46	1.87	25.3	3.21
46269	0.002	0.05	1.8	18.5	<0.2	<10	280	0.16	0.06	1	0.08	14.55	9.6	35	1.49	20.8	2.84
46270	0.002	0.05	1.86	37.7	<0.2	<10	160	0.11	0.09	1.09	0.07	9.48	11.6	38	0.85	26.7	3.19
46271	0.002	0.04	2.07	11.1	<0.2	<10	240	0.09	0.06	1.22	0.06	7.84	11.7	46	0.8	18.9	3.29
46272	0.003	0.04	1.86	14.5	<0.2	<10	290	0.11	0.07	0.81	0.07	7.64	9.5	34	1.46	18.7	2.7
46273	0.002	0.04	1.86	8.8	<0.2	<10	370	0.09	0.06	0.76	0.05	9.1	9.3	40	1.5	15.6	2.81
46274	0.001	0.04	2.57	8.4	<0.2	<10	370	0.16	0.05	1.78	0.06	6.32	11.7	50	1.6	21.4	3.14
46275	0.001	0.03	2.7	12.9	<0.2	<10	460	0.14	0.04	1.39	0.06	6.15	12.8	60	1.69	19.4	3.53
46276	0.002	0.05	2.24	26.3	<0.2	<10	460	0.1	0.06	0.95	0.05	8.68	11.2	50	1.75	21.6	3.18
46277	0.001	0.04	2.1	1.6	<0.2	<10	440	0.13	0.06	0.75	0.05	8.59	9.9	43	1.77	18.6	2.83
46278	0.001	0.05	0.68	4.5	<0.2	<10	150	0.09	0.07	0.27	0.05	7.85	10.2	4	1.92	22.6	1.05
46279	0.001	0.06	2.45	6.2	<0.2	<10	440	0.13	0.12	0.35	0.06	9.58	12.3	48	2.66	30.7	3.46
46280	<0.001	0.08	2.39	7.3	<0.2	<10	250	0.14	0.14	0.6	0.05	14.55	12.8	54	1.85	36.7	3.8
46281	0.001	0.06	2.13	2.7	<0.2	<10	380	0.08	0.09	0.45	0.04	7.87	11.5	47	1.94	29.4	3.04
46282	0.001	0.11	2.71	1.4	<0.2	<10	360	0.11	0.2	0.32	0.08	14.45	15.6	70	2.91	45.2	4.37
46283	0.001	0.08	2.88	7.7	<0.2	<10	300	0.15	0.21	0.81	0.07	18.55	16.1	83	3.16	44	4.17
46284	0.001	0.1	2.84	3.7	<0.2	<10	310	0.12	0.21	0.39	0.05	15.7	15.9	74	2.94	49.1	4.22
B-36	0.003	0.05	3.2	<0.1	<0.2	<10	10	0.07	0.01	2.24	0.05	4.6	18.8	64	<0.05	146	4.02
46285	0.002	0.07	2.81	7.9	<0.2	<10	300	0.14	0.19	0.33	0.05	19.45	15	64	3.75	47	4.31
46286	0.002	0.07	2.37	36.8	<0.2	<10	450	0.14	0.14	0.69	0.07	9.95	12.4	46	2.54	28.9	3.27
46287	0.002	0.06	2.18	11.2	<0.2	<10	470	0.1	0.08	0.82	0.06	6.57	12.4	50	2.01	27.9	3.22
46288	0.001	0.05	2.05	3.6	<0.2	<10	440	0.1	0.08	0.58	0.04	8.96	12.6	52	2.42	28.9	3.24
46289	0.001	0.06	1.78	5	<0.2	<10	220	0.13	0.09	1.31	0.06	8.76	11.1	39	1.22	26.7	2.87
46290	0.002	0.07	2.12	2.3	<0.2	<10	340	0.1	0.1	0.74	0.07	7.46	12.7	43	1.81	28.9	3.36
46291	0.003	0.09	2.49	11.7	<0.2	<10	400	0.13	0.16	0.38	0.08	10.85	15	48	3.4	50.8	4.21
46292	0.001	0.05	2.41	23.6	<0.2	<10	490	0.12	0.09	0.58	0.06	7.59	13	52	2.33	28.2	3.35
46293	0.001	0.04	2.14	8	<0.2	<10	440	0.12	0.05	0.78	0.03	7.02	11.5	53	1.52	22.7	2.72
46294	<0.001	0.05	2.27	9.2	<0.2	<10	560	0.1	0.07	0.57	0.05	6.22	11.5	52	2.4	22.1	3.11
46295	0.001	0.05	2.38	15.4	<0.2	<10	450	0.13	0.09	0.62	0.05	8.5	11.3	50	2.45	18.6	3.08
46296	0.047	0.09	2.24	381	0.2	<10	440	0.16	0.14	0.76	0.07	9.35	11.4	47	2.56	23	3.1
46297	0.005	0.04	1.48	6.5	<0.2	<10	140	0.1	0.02	0.61	0.04	8.88	6.1	2	1.66	30.5	2.17
46298	0.017	0.05	1.37	5.6	<0.2	<10	140	0.07	0.03	0.63	0.03	7.72	7	3	1.98	30.2	2.32
46299	0.002	0.07	2.11	8.8	<0.2	<10	400	0.1	0.16	0.6	0.06	8.93	11.2	44	2.46	25.4	3.14
46300	0.301	0.06	2.18	567	<0.2	<10	350	0.13	0.15	0.61	0.05	9.31	11.2	45	2.97	24	2.98
46301	0.476	0.08	1.58	1800	0.5	<10	200	0.2	0.24	3.2	0.11	5.66	7.6	29	1.65	36	2.2
46302	0.01	0.07	1.99	156.5	<0.2	<10	260	0.1	0.16	0.5	0.04	11.7	11.2	34	3.34	42	3.07
46303	0.001	0.11	2.95	10.2	<0.2	<10	450	0.19	0.17	0.62	0.06	14.2	15.6	67	3.96	40	3.77
46304	0.002	0.12	2.92	19.5	<0.2	<10	370	0.11	0.29	0.3	0.05	17.65	17.3	88	4.55	56.9	4.12
B-37	0.004	0.05	3.84	0.2	<0.2	<10	10	0.07	0.01	2.4	0.02	4.46	20.5	92	<0.05	129	4.23
46305	0.008	0.15	3.04	78.3	<0.2	<10	360	0.19	0.31	0.53	0.06	17.2	17.8	91	4.63	55.2	4.28
46306	0.001	0.12	2.7	21.6	<0.2	<10	310	0.25	0.24	0.6	0.05	17.55	16.7	76	3.76	56	3.76
46307	0.001	0.17	2.8	15.5	<0.2	<10	210	0.27	0.24	0.79	0.04	16.9	17.7	74	2.84	56.4	4.01
46308	0.002	0.13	2.75	8.9	<0.2	<10	410	0.19	0.21	0.55	0.04	15.4	14.8	75	3.82	47.5	3.58
46309	0.001	0.14	3.04	15.7	<0.2	<10	540	0.15	0.28	0.54	0.04	18.5	18.7	85	4.59	59.9	4.07
46310	0.002	0.14	2.96	66.4	<0.2	<10	290	0.26	0.27	1.59	0.13	15.5	19.4	63	2.72	53	3.86
46311	0.028	0.11	1.72	15.6	<0.2	<10	190	0.21	0.1	0.97	0.11	15.4	9.9	29	2.23	21	2.69
46312	0.991	0.26	1.65	259	0.7	<10	200	0.22	0.08	0.87	0.08	11.2	9.5	30	2.52	19.3	2.57
46313	0.019	0.05	1.98	9.4	<0.2	<10	480	0.07	0.06	0.48	0.04	7.38	10.8	47	2.15	20.7	2.86
46314	0.009	0.05	2.4	17.6	<0.2	<10	500	0.11	0.09	0.65	0.05	9.33	12.2	54	2.03	23.5	3.36
46315	0.009	0.06	2.5	7.4	<0.2	<10	530	0.14	0.07	0.64	0.05	9.62	11.9	54	1.91	24.8	3.17
46316	0.003	0.09	2.27	4.7	<0.2	<10	400	0.14	0.08	1.19	0.09	8.31	12.4	50	1.97	30	3.21
46317	0.439	0.08	2.07	9.8	<0.2	<10	400	0.11	0.06	1.17	0.07	7.6	12.3	51	1.63	29.4	3.01
46318	>1.00	0.08	3.29	0.9	0.3	<10	260	0.18	0.03	1.62	0.06	5.62	29.5	39	2.62	73.5	4.79
46319	0.047	0.05	3.06	0.8	<0.2	<10	130	0.21	0.02	2.15	0.07	3.13	24.9	120	2.94	76.8	3.8
46320	0.017	0.04	3.31	1.5	<0.2	<10	140	0.23	0.01	1.47	0.04	3.22	25.2	177	2.84	62.9	3.76
46321	0.019	0.04	3.13	1.8	<0.2	<10	110	0.27	0.02	1.8	0.05	2.62	22.1	146	1.94	46.6	3.38
46322	0.006	0.04	4.1	1.2	<0.2	<10	200	0.25	0.03	2.12	0.04	2.36	27.9	174	2.61	60.4	4.36
46323	0.007	0.04	2.91	2.8	<0.2	<10	70	0.2	0.02	2.84	0.07	2.23	17.1	102	1.63	50.9	2.58
46324	0.006	0.04	2.69	1.3	<0.2	<10	70	0.24	0.02	2.26	0.05	2.63	15.3	87	1.47	58.4	2.21
B-38	0.004	0.02	2.49	0.1	<0.2	<10	10	0.08	0.01	1.84	0.02	4.78	12.1	105	<0.05	72	4.13
46325	0.005	0.03	3.05	6.1	<0.2	<10	40	0.21	0.04	4.41	0.1	3.86	24.3	123	1.37	28.1	3.65

	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
SAMPLE	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
46254	6.9	0.09	0.02	0.01	0.019	0.94	4.7	27.8	0.98	413	1.24	0.09	0.24	19.1	540	2.9	40.9	0.001	0.18
46255	8.35	0.11	0.02	<0.01	0.025	1.35	3.7	32.3	1.22	422	0.54	0.12	0.18	22.9	620	1.5	49.1	0.001	0.17
46256	9	0.09	0.02	0.01	0.028	1.54	4.9	29.2	1.36	501	0.62	0.11	0.3	27.7	640	2.9	56.1	<0.001	0.26
46257	8.46	0.08	0.03	<0.01	0.019	1.42	5.5	27.7	1.18	498	1.19	0.09	0.26	28.5	770	3.1	64.8	0.001	0.3
46258	7.64	0.06	0.03	<0.01	0.015	1.16	4.4	25.1	1.07	481	0.61	0.09	0.22	21.4	600	3	52.8	<0.001	0.21
46259	7.59	0.07	0.02	<0.01	0.017	1.19	4.5	25.4	1.02	454	0.49	0.1	0.26	19.1	540	2.7	50.2	<0.001	0.11
46260	8.01	0.08	0.03	<0.01	0.019	1.01	4.4	24.3	1.05	435	0.52	0.09	0.22	19.2	530	3	42.7	<0.001	0.09
46261	8.48	0.1	0.03	<0.01	0.018	1.25	3.3	27.3	1.17	425	0.48	0.1	0.16	22.3	610	1.8	45.8	<0.001	0.1
46262	9.37	0.12	0.03	<0.01	0.021	1.41	3.3	28.5	1.31	565	0.49	0.1	0.12	24.1	650	1.8	53.2	<0.001	0.06
46263	9.68	0.12	0.03	<0.01	0.022	1.42	3.1	29.7	1.36	516	0.44	0.1	0.11	24.4	670	1.5	51.2	<0.001	0.06
46264	8.23	0.11	0.02	<0.01	0.019	1.07	2.6	28.1	1.18	440	0.37	0.09	0.13	20.8	550	1.6	40.3	<0.001	0.06
B-35	5.79	0.09	0.26	<0.01	0.011	0.02	1.6	0.4	0.68	251	0.17	0.43	0.25	27	400	<0.2	0.4	0.001	0.06
46265	10.65	0.14	0.03	<0.01	0.034	1.47	4.2	31.7	1.51	560	0.6	0.11	0.13	27.6	890	1.8	60.2	<0.001	0.06
46266	7.4	0.07	0.02	<0.01	0.023	0.95	3.7	21.7	1.03	380	0.52	0.08	0.13	18.4	1090	1.3	41	<0.001	0.12
46267	9.68	0.1	0.02	<0.01	0.031	1.42	3.9	26.8	1.31	457	0.93	0.11	0.31	23.5	1050	1.9	52.3	0.001	1.08
46268	9.04	0.08	0.02	<0.01	0.027	1.31	5	23.1	1.18	418	0.44	0.1	0.26	22.9	610	2.1	48.9	<0.001	0.2
46269	7.41	0.07	0.02	<0.01	0.019	0.9	7.4	23.3	0.99	449	0.47	0.09	0.23	19.6	550	3.2	37	<0.001	0.28
46270	7.96	0.07	0.03	<0.01	0.02	0.57	4.8	20.2	1.09	468	0.61	0.07	0.28	24.8	580	4.2	26.4	<0.001	0.28
46271	9.3	0.09	0.02	<0.01	0.026	0.65	4	21.2	1.23	536	0.52	0.09	0.29	22.7	610	3.7	25.8	<0.001	0.13
46272	7.7	0.07	0.02	<0.01	0.022	1.05	3.9	19.9	0.95	457	0.65	0.11	0.24	18.9	540	2.3	43.5	<0.001	0.19
46273	7.96	0.09	<0.02	<0.01	0.024	1.13	4.6	20.9	0.98	457	0.52	0.1	0.27	18.4	570	1.5	45.4	<0.001	0.15
46274	9.69	0.1	<0.02	<0.01	0.022	1.21	3.2	23.1	1.22	476	0.48	0.09	0.53	23	630	3	42.5	<0.001	0.13
46275	9.99	0.11	0.02	<0.01	0.029	1.43	3.1	24.8	1.42	509	0.41	0.11	0.38	24.9	660	2.5	47	<0.001	0.08
46276	9.45	0.11	<0.02	<0.01	0.027	1.38	4.4	22.9	1.18	490	0.48	0.11	0.33	22.2	570	2.1	48.8	<0.001	0.13
46277	9.12	0.1	0.02	<0.01	0.024	1.15	4.4	21.9	1.06	467	0.44	0.12	0.42	19.4	530	2	44.8	<0.001	0.11
46278	8.04	0.09	0.02	<0.01	0.022	0.05	4	20.5	0.35	162	0.68	<0.01	0.3	20.8	180	1.7	49.6	0.001	<0.01
46279	9.7	0.08	0.02	<0.01	0.027	1.4	4.7	26.9	1.26	472	0.88	0.11	0.28	27.1	650	2	59.3	0.001	0.26
46280	9.48	0.09	0.02	<0.01	0.027	0.91	7.1	35.7	1.33	433	0.62	0.09	0.22	33	680	3.5	41.9	0.001	0.24
46281	8.29	0.09	<0.02	<0.01	0.025	1.05	3.9	23.3	1.14	333	0.6	0.12	0.17	25.5	590	1.7	43.3	0.001	0.19
46282	10.8	0.1	0.02	<0.01	0.04	1.35	7	31.2	1.58	459	1.42	0.09	0.26	42.8	850	2.6	63.6	0.002	0.56
46283	10.3	0.11	0.02	<0.01	0.038	1.41	9	30.7	1.56	535	1.17	0.09	0.29	61.6	760	2.9	67.9	0.001	0.24
46284	10.2	0.11	<0.02	<0.01	0.039	1.34	7.6	32.5	1.57	473	1.11	0.08	0.27	49.8	800	2.4	66	0.001	0.32
B-36	6.56	0.09	0.18	<0.01	0.009	0.02	1.8	0.6	0.73	244	0.19	0.49	0.17	34.6	420	0.2	0.5	0.001	0.09
46285	10.2	0.09	<0.02	<0.01	0.032	1.51	9.3	34.4	1.46	377	0.65	0.09	0.3	43.8	800	3.3	78.8	0.001	0.22
46286	9.68	0.08	0.02	<0.01	0.032	1.26	4.9	28	1.3	448	1.09	0.12	0.2	26.9	630	2.1	54.9	0.001	0.31
46287	9.35	0.11	0.02	<0.01	0.029	1.23	3.3	24.9	1.23	485	0.79	0.15	0.21	23.9	620	1.7	46.7	0.001	0.45
46288	9.19	0.09	0.02	<0.01	0.027	1.25	4.4	28.5	1.22	423	0.65	0.1	0.18	28	590	1.8	50.4	0.001	0.35
46289	7.84	0.06	0.02	<0.01	0.023	0.73	4.4	28.3	1.11	485	0.69	0.08	0.16	23.5	570	4.7	32.8	0.001	0.35
46290	9.02	0.08	0.02	<0.01	0.027	1.13	3.7	28.9	1.23	514	1.08	0.1	0.21	24.1	600	2.5	46.2	0.001	0.49
46291	8.21	0.08	<0.02	<0.01	0.021	1.61	5.2	32.8	1.34	497	1.03	0.04	0.34	36.9	770	2.1	72.4	0.002	0.6
46292	8.79	0.08	0.02	<0.01	0.03	1.32	3.8	32.5	1.31	459	0.69	0.09	0.28	25.9	700	1.9	50	0.001	0.26
46293	8.01	0.11	<0.02	<0.01	0.025	0.95	3.5	30.4	1.25	327	0.53	0.12	0.26	22.5	630	1.6	34.5	0.001	0.12
46294	8.54	0.09	<0.02	<0.01	0.03	1.3	3.2	31.4	1.19	573	0.55	0.09	0.3	22.8	570	1.4	48.2	0.001	0.17
46295	8.56	0.08	0.02	<0.01	0.027	1.28	4.3	31.7	1.23	463	0.53	0.09	0.3	22.7	580	1.8	48	0.001	0.19
46296	8.43	0.07	0.02	<0.01	0.025	1.21	4.7	28.3	1.22	484	0.77	0.09	0.3	22.3	570	2.5	45.7	0.001	0.26
46297	6.89	0.06	0.03	<0.01	0.012	0.68	4.6	19.8	0.57	299	0.33	0.1	0.59	1.2	650	2.4	33.3	<0.001	0.13
46298	6.68	0.07	0.02	<0.01	0.012	0.8	4	21.1	0.58	328	0.4	0.06	0.29	1.3	650	1.8	38.3	<0.001	0.18
46299	8.37	0.09	0.02	<0.01	0.022	1.17	4.5	29.3	1.21	447	0.65	0.07	0.26	22.1	610	2.4	47.5	0.001	0.2
46300	7.78	0.07	0.02	<0.01	0.019	1.2	4.7	25.7	1.13	520	0.83	0.08	0.23	23.9	620	2.5	51.3	0.001	0.16
46301	6.16	0.05	0.02	<0.01	0.017	0.57	3	19.2	0.58	499	4.66	0.06	0.37	14.4	350	3.3	26.7	0.001	0.44
46302	7.35	0.07	0.02	<0.01	0.018	1.08	5.8	29.3	0.96	359	0.9	0.05	0.3	23	640	2.2	54	0.001	0.19
46303	9.32	0.09	0.02	<0.01	0.033	1.33	7.1	34.2	1.46	412	0.73	0.11	0.3	42.6	700	3.2	62.3	0.001	0.29
46304	8.73	0.1	0.02	<0.01	0.043	1.44	8.7	33.4	1.62	408	0.81	0.05	0.35	60	840	2.4	72	0.001	0.24
B-37	6.63	0.09	0.13	<0.01	0.009	0.02	1.8	0.7	0.79	259	0.19	0.49	0.19	36.3	430	0.2	0.4	0.001	0.07
46305	8.97	0.09	0.02	0.01	0.039	1.32	8.5	31.7	1.66	500	0.95	0.05	0.4	61.2	930	3.3	72.8	0.001	0.29
46306	7.67	0.08	0.03	0.01	0.033	1.03	8.8	28.5	1.44	456	0.8	0.04	0.32	54	870	4.2	54.5	0.001	0.19
46307	7.3	0.08	0.02	<0.01	0.027	0.83	8.3	29.7	1.52	511	0.77	0.03	0.31	57.8	940	4.7	42.6	0.001	0.33
46308	8.26	0.08	0.02	<0.01	0.036	1.27	7.7	25.9	1.39	400	0.75	0.07	0.35	48.5	730	3.1	63.5	0.001	0.29
46309	9.29	0.11	0.02	0.01	0.046	1.51	9.4	35.1	1.6	439	0.97	0.06	0.4	63	830	3.2	74.1	0.001	0.33
46310	8.69	0.08	0.02	0.01	0.026	0.91	7.9	35.8	1.49	683	1.07	0.09	0.24	61.6	780	5.5	41.9	0.001	0.47
46311	5.96	0.07	0.02	<0.01	0.018	0.71	7.9	24.6	0.91	479	0.64	0.04	0.17	21.5	610	5.4	35.4	0.001	0.16
46312	5.79	0.06	0.02	<0.01	0.016	0.88	5.8	20.9	0.87	465	2.81	0.05	0.16	18.8	540	2.4	40.5	0.001	0.31
46313	7.83	0.09	0.02	<0.01	0.026	1.2	3.8	27.8	1.2	418	0.41	0.07	0.26	21.1	540	1.1	43.5	<0.001	0.1
46314	8.6	0.1	<0.02	<0.01	0.032	1.38	4.8	35	1.28	480	0.55	0.08	0.28	24.8	580	1.4	47.8	<0.001	0.34
46315	8.79	0.1	<0.02	<0.01	0.03	1.33	4.9	37.2	1.29	454	0.58	0.1	0.21	24.1	610	1.5	46.5	0.001	0.18
46316	9.02	0.1	0.02	<0.01	0.034	1.35	4.1	30.2	1.2	479	1.04	0.09	0.17	24.8	560	2.9	46.8	0.001	0.49
46317	8.8	0.1	<0.02	<0.01	0.033	1.27	3.7	34.6	1.17	435	0.94	0.09	0.16	25.1	670	1.5	42.8	0.001	0.22
46318	12.2	0.15	0.02	0.01	0.041	1.68	2.9	53.2	1.16	479	1.01	0.15	0.34	58.3	2620	1.2	54.4	0.001	0.19
46319	9.48	0.25	0.04	<0.01	0.031	1.23	1.4	53.8	1.39	440	0.1	0.21	0.19	74.7	2100	0.6	38.8	<0.001	0.05
46320	8.31	0.21	0.03	<0.01	0.031	1.21	1.4	64.4	1.81	344	0.08	0.18	0.22	96	1780	0.4	36.2	<0.001	0.03
46321	8.03	0.14	0.03	0.01	0.023	1.03	1.1	51.6	1.73	369	0.2	0.18	0.23	81.7	1620	0.6	30.4	<0.001	0.08
46322	10.75	0.17	0.04	0.01	0.03	1.59	1	66.7	1.69	415	0.38	0.21	0.33	92.7	1600	1.3	48	<0.001	0.15
46323	6.7	0.13	0.05	0.01	0.016	0.65	0.9	37.8	1.4	339	0.1	0.2	0.41	62.2	1250	0.5	19.2	<0.001	0.05
46324	6.03	0.11	0.06	<0.01	0.015	0.58	1	32.9	1.17	277	0.05	0.23	0.41	58.3	1300	0.3	17.8	<0.001	0.05
B-38	4.53	0.08	0.15	<0.01	0.011	0.02	1	0.6	0.57	230	0.1	0.36	0.27	22.9	520	0.2	0.3	<0.001	0.02
46325	9.44	0.14	0.06	<0.01	0.034	0.32	1.6	42.4	1.93	537	0.09	0.17	0.33	81.6	1570	1.5	14.5	<0.001	0.07

	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	Au-OG44
SAMPLE	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr	Au
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
46254	0.07	6.6	0.4	0.5	29.6	<0.01	0.02	2.5	0.187	0.23	0.41	75	0.46	5.4	56	<0.5	
46255	0.06	9.2	0.5	0.8	22.5	<0.01	0.02	1.9	0.229	0.26	0.27	94	0.25	4.5	66	<0.5	
46256	0.1	9.7	0.4	0.7	20.8	<0.01	0.02	2.6	0.253	0.34	0.35	104	0.34	5.42	80	0.5	
46257	<0.05	7.7	0.5	0.6	22.8	<0.01	0.05	2.8	0.251	0.39	0.47	83	0.37	7.29	73	0.5	
46258	0.05	5.8	0.3	0.5	19.5	<0.01	0.02	2.9	0.198	0.33	0.39	63	0.31	6.25	61	0.5	
46259	0.06	6.7	0.2	0.6	22.2	<0.01	0.02	2.7	0.213	0.29	0.43	66	0.25	6.28	57	<0.5	
46260	0.21	6.5	0.4	0.6	14.3	<0.01	0.03	2.9	0.2	0.26	0.41	69	0.36	5.9	57	0.5	
46261	0.05	7.1	0.3	0.6	34.3	<0.01	0.01	2.1	0.232	0.28	0.31	83	0.18	5.58	62	<0.5	
46262	<0.05	8.3	0.3	0.6	22.4	<0.01	0.01	2.1	0.265	0.3	0.37	94	0.2	6.22	67	0.5	
46263	0.06	8.4	0.2	0.6	33.5	<0.01	0.01	1.9	0.276	0.3	0.29	101	0.19	6.11	66	0.5	
46264	0.05	6.9	0.2	0.6	18.1	<0.01	0.01	1.8	0.209	0.24	0.23	82	0.2	4.89	64	<0.5	
B-35	<0.05	4.5	0.5	0.2	38.6	<0.01	0.06	<0.2	0.277	<0.02	<0.05	113	0.06	9.88	20	8.2	
46265	<0.05	10.3	0.3	1	22.4	<0.01	0.01	2.7	0.273	0.37	0.34	117	0.26	7.01	86	0.5	
46266	0.06	6.2	0.3	0.8	20.7	<0.01	0.08	1.5	0.161	0.26	0.33	71	0.24	5.95	64	<0.5	
46267	0.07	9.7	0.3	0.8	14.6	<0.01	0.02	1.7	0.279	0.3	0.38	101	0.34	7.37	69	0.5	
46268	<0.05	9	0.3	0.7	13.3	<0.01	0.01	2.9	0.259	0.29	0.39	87	0.25	6.13	65	<0.5	
46269	0.06	6.2	0.3	0.4	29.9	<0.01	0.02	3.1	0.165	0.23	0.47	65	0.18	6.68	56	<0.5	
46270	0.07	5.7	0.3	0.3	19.5	<0.01	0.02	2.8	0.155	0.15	0.4	68	0.24	6.79	62	0.5	
46271	0.06	7.7	0.3	0.6	27.8	<0.01	0.01	2	0.179	0.14	0.28	83	0.26	5.85	64	0.5	
46272	0.06	6.9	0.3	0.6	34	<0.01	0.01	2.2	0.203	0.27	0.42	63	0.27	6.25	57	<0.5	
46273	0.05	7.8	0.3	0.7	20.1	<0.01	0.01	3	0.226	0.26	0.83	70	0.28	6.36	55	<0.5	
46274	0.07	9.4	0.3	0.6	23.3	0.01	0.02	1.8	0.228	0.24	0.27	90	0.28	5.48	60	<0.5	
46275	0.07	10.6	0.2	0.8	52.8	0.01	0.01	1.9	0.262	0.26	0.23	107	0.18	5.73	66	<0.5	
46276	0.07	9.5	0.3	0.8	42.4	<0.01	0.01	2.8	0.263	0.27	0.37	92	0.26	6.03	62	<0.5	
46277	0.09	9.1	0.2	0.8	23.6	0.01	0.01	3.1	0.235	0.25	0.46	78	0.24	6.32	55	<0.5	
46278	0.1	7.7	0.3	0.7	15.4	<0.01	0.01	3	0.023	0.27	0.45	7	0.23	5.77	3	<0.5	
46279	0.1	9.1	0.4	0.7	33.8	<0.01	0.03	2.2	0.248	0.35	0.4	91	0.21	5.41	73	<0.5	
46280	0.13	8.1	0.4	0.6	18.7	<0.01	0.02	4.5	0.173	0.24	0.6	90	0.18	6.01	83	<0.5	
46281	0.05	7.8	0.3	0.6	25.1	<0.01	0.01	2.2	0.177	0.24	0.29	84	0.17	4.27	64	<0.5	
46282	0.06	12	0.6	0.8	13.1	<0.01	0.04	3.4	0.208	0.39	0.56	116	0.14	5.59	83	<0.5	
46283	<0.05	11.5	0.5	0.9	42.5	<0.01	0.05	5.1	0.201	0.43	0.78	107	0.23	5.55	84	<0.5	
46284	<0.05	11.8	0.5	0.9	15.1	<0.01	0.04	3.6	0.204	0.41	0.51	110	0.11	5.09	67	<0.5	
B-36	<0.05	3.8	0.6	0.2	41.2	<0.01	0.04	<0.2	0.238	<0.02	<0.05	137	0.05	8.71	22	5.4	
46285	0.06	9.3	0.4	0.7	12.7	<0.01	0.03	4.6	0.215	0.46	0.7	108	0.46	5.48	81	<0.5	
46286	0.08	9.1	0.4	0.7	26.1	<0.01	0.02	2.2	0.211	0.32	0.51	89	0.17	5.67	71	<0.5	
46287	0.13	9.8	0.3	0.7	57.6	<0.01	0.02	1.7	0.234	0.26	0.37	91	0.24	5.77	63	<0.5	
46288	0.08	9.6	0.3	0.6	17.3	<0.01	0.02	2.6	0.228	0.3	0.4	91	0.19	5.62	68	<0.5	
46289	0.1	7	0.3	0.5	37.2	<0.01	0.02	2.4	0.132	0.18	0.44	71	0.14	6.25	59	<0.5	
46290	0.12	8.6	0.3	0.6	30.7	0.01	0.02	1.9	0.206	0.28	0.37	83	0.18	5.66	70	<0.5	
46291	0.1	7.5	0.5	0.5	16.2	<0.01	0.03	3.7	0.267	0.42	0.52	98	0.17	4.83	100	<0.5	
46292	0.1	9.7	0.3	0.7	32	<0.01	0.02	1.8	0.238	0.28	0.3	102	0.2	5.15	77	<0.5	
46293	0.09	8.5	0.2	0.6	41.9	<0.01	0.01	1.8	0.178	0.18	0.25	96	0.18	5.01	59	<0.5	
46294	0.12	10.4	0.3	0.7	27.4	<0.01	0.01	1.9	0.265	0.25	0.29	99	0.65	5.04	67	<0.5	
46295	0.05	9.7	0.3	0.7	30.9	<0.01	0.01	2.1	0.238	0.27	0.31	93	0.3	5.17	69	<0.5	
46296	0.13	8.9	0.4	0.7	28.7	<0.01	0.02	2.1	0.234	0.27	0.34	89	0.69	5.34	69	<0.5	
46297	<0.05	4.8	0.3	0.6	30.2	0.02	0.01	1.6	0.208	0.18	0.26	27	0.44	3.67	53	0.6	
46298	<0.05	4.2	0.2	0.5	27.1	<0.01	0.01	1.2	0.21	0.21	0.2	26	0.41	3.19	56	0.5	
46299	<0.05	8.8	0.3	0.7	22.1	<0.01	0.03	2.2	0.218	0.27	0.34	89	0.36	5.24	72	<0.5	
46300	0.2	7.8	0.4	0.5	27.9	<0.01	0.05	2.6	0.215	0.3	0.39	85	1.11	5.07	71	<0.5	
46301	0.74	5.7	0.7	0.7	170	0.01	0.12	1.1	0.111	0.19	0.23	48	0.63	5.32	44	<0.5	
46302	0.06	6.2	0.4	0.5	15.1	<0.01	0.06	3.3	0.182	0.31	0.51	68	0.28	4.44	74	<0.5	
46303	<0.05	11.2	0.5	0.7	36.2	<0.01	0.03	3	0.198	0.34	0.44	122	0.19	5.1	77	<0.5	
46304	<0.05	12.9	0.6	0.9	11.2	<0.01	0.05	3.5	0.213	0.41	0.54	129	0.3	5.01	51	<0.5	
B-37	<0.05	3.8	0.5	0.2	43.9	<0.01	0.02	<0.2	0.232	<0.02	<0.05	162	0.05	8.5	22	3.1	
46305	0.06	12.6	0.6	0.8	18.2	<0.01	0.07	3.6	0.202	0.44	0.56	130	3.45	5.25	50	<0.5	
46306	0.05	10.9	0.6	0.6	26.9	<0.01	0.05	3.8	0.168	0.34	0.51	119	0.15	4.93	44	<0.5	
46307	<0.05	9.9	0.5	0.5	24.8	0.01	0.05	4	0.139	0.26	0.54	114	0.52	5.14	41	<0.5	
46308	<0.05	11.1	0.6	0.8	24.9	<0.01	0.05	3.5	0.181	0.36	0.66	123	0.66	4.67	48	0.5	
46309	<0.05	13.2	0.6	0.9	26.8	<0.01	0.05	4.3	0.214	0.42	0.7	148	0.5	5.33	48	0.5	
46310	0.08	9.1	0.7	0.5	74	<0.01	0.06	3.6	0.127	0.25	0.57	106	0.23	5.33	92	<0.5	
46311	0.1	5	0.3	0.4	24.1	<0.01	0.02	3.2	0.111	0.22	0.42	53	0.32	5.52	70	<0.5	
46312	0.2	5.6	0.4	0.4	26.7	<0.01	0.03	2.5	0.147	0.25	0.41	58	0.76	5.06	60	<0.5	
46313	<0.05	9.8	0.2	0.7	21.4	<0.01	0.01	1.9	0.216	0.24	0.39	94	0.25	4.66	63	<0.5	
46314	0.05	10.4	0.3	0.8	44.8	<0.01	0.02	2.5	0.24	0.25	0.34	97	0.43	4.6	72	<0.5	
46315	0.05	10.1	0.3	0.7	43.7	<0.01	0.01	2.3	0.225	0.26	0.31	102	0.28	4.6	73	<0.5	
46316	0.09	9.8	0.4	0.8	99.6	<0.01	0.01	1.6	0.244	0.24	0.27	94	0.31	4.89	67	<0.5	
46317	0.05	10	0.3	0.7	39.2	<0.01	0.01	1.5	0.228	0.24	0.24	96	0.28	5.41	65	<0.5	
46318	<0.05	18.2	0.4	0.9	56.7	<0.01	0.02	1	0.285	0.37	0.16	126	5.61	9.96	109	0.5	2.02
46319	<0.05	13.9	0.3	0.6	69	<0.01	0.02	<0.2	0.247	0.3	<0.05	110	0.35	8.34	92	0.7	
46320	<0.05	13.5	0.3	0.5	87.5	0.01	0.01	<0.2	0.229	0.34	<0.05	110	0.31	8.49	102	0.7	
46321	<0.05	11.1	0.3	0.5	73.5	<0.01	0.01	<0.2	0.239	0.23	0.05	100	0.4	7.29	83	0.6	
46322	<0.05	15.6	0.5	0.7	114.5	0.01	0.01	<0.2	0.316	0.27	<0.05	117	2.86	7.13	123	0.5	
46323	0.07	8.6	0.3	0.3	107	0.01	0.02	<0.2	0.241	0.11	<0.05	76	1.74	6.1	50	1	
46324	0.06	7.3	0.3	0.3	110	0.01	0.01	<0.2	0.241	0.11	<0.05	66	0.44	6.12	36	1	
B-38	<0.05	4.3	0.3	0.2	31.5	<0.01	0.02	<0.2	0.237	<0.02	<0.05	134	0.07	9.8	16	3.6	
46325	0.13	16.3	0.3	0.4	64	0.01	0.01	0.2	0.212	0.08	<0.05	112	0.71	10.35	66	1.1	

VA11005648 - Finalized
CLIENT : "MILBAVE - Mill Bay Ventures"
# of SAMPLES : 5
DATE RECEIVED : 2011-01-12 DATE FINALIZED : 2011-01-15
PROJECT : "Valentine"
CERTIFICATE COMMENTS : ""
PO NUMBER : "3"

	Au-SCR24	Au-SCR24	Au-SCR24	Au-SCR24	Au-SCR24	Au-SCR24	Au-AA26	Au-AA26D
SAMPLE	Au Total (+)(-) Combined	Au (+) Fraction	Au (-) Fraction	Au (+) mg	WT. + Frac Entire	WT. - Frac Entire	Au	Au
DESCRIPTION	ppm	ppm	ppm	mg	g	g	ppm	ppm
46300	0.27	0.82	0.25	0.039	47.74	987.6	0.23	0.26
46301	0.76	3.06	0.64	0.074	24.19	440.6	0.64	0.63
46312	1.06	2.55	0.98	0.13	50.96	954.3	0.94	1.02
46317	0.38	3.33	0.22	0.177	53.12	1013	0.34	0.1
46318	1.41	17.7	0.4	1.11	62.78	1010.5	0.4	0.4

Valentine Mountain Project Drill Core Log and Sample Record

Date/Target:	**November, 2010 / Discovery Zone Southwest Extension near 87-11**								**Acid Tests:**		**Hole Number:**		**10-10**	
Location:	**UTM NAD83 Zone 10N 434424E 5374200N 809 m. elevation uncorrected**								**none**		**Collar Azimuth:**		**0**	
Total Length:	**472 feet = 143.87 metres**										**Collar Dip:**		**-52**	
FROM ft	**TO ft**	**WIDTH ft**	**Lithology**	**% Chlorite**	**% Carbonate**	**% Qtz vns**	**% sulphide**	**RQD (% >1**	**Recovery**	**Sample No**	**FROM ft**	**TO ft**	**WIDTH ft**	**Description**
2	5	3	2	1	1	12	1	25	80	46254	2	5	3	12% qtz 0.1-5 cm veins @60-80 degrees to ca, 1% diss and fract fill py, 1% fract fill limonite, broken grd, rusty at 4-5, 0'-2' casing, 2'-135' Unit 2 gneiss (metasandstone)
5	10	5	2	1	1	2	1	28	82	46255	5	10	5	2% qtz 0.1-1 cm veins @52 degrees to ca, 1% diss and fract fill py, 1% fract fill limonite
10	15	5	2	1	1	2	1	24	86	46256	10	15	5	2% qtz 0.1-1 cm veins @52 degrees to ca, 1% diss and fract fill py, 0.1% fract fill limonite, broken grd at 14.3-15
15	20	5	2	1	1	7	1	36	88	46257	15	20	5	7% qtz 0.1-5 cm veins @50-70 degrees to ca, 1% diss and fract fill py, minor bx vein texture
20	25	5	2	1	1	3	1	18	72	46258	20	25	5	3% qtz 0.1-0.5 cm veins @60 degrees to ca, 1% diss and fract fill py, broken grd at 221-24, fault at 24, minor clay
25	30	5	2	1	1	4	1	62	90	46259	25	31	6	4% qtz 0.1-1 cm veins @42 + 74 degrees to ca, 1% diss and fract fill py
30	35	5	2	1	1	2	1	26	70	46260	31	37	6	2% qtz 0.1-1.5 cm veins @32 + 72 degrees to ca, 1% diss and fract fill py, fault, minor clay at 33.2-34 & 35.6-37
35	40	5	2	1	1	10	1	12	80	46261	37	41	4	12% qtz 0.1-12 cm veins @55-63 degrees to ca, grey and milky qtz,1% diss and fract fill py, 5% chlorite,
40	45	5	2	1	1	2	1	26	78	46262	41	46	5	2% qtz 0.1-0.3 cm veins @60 degrees to ca, 1% diss and fract fill py
45	50	5	2	1	1	3	1	38	84	46263	46	50.5	4.5	3% qtz 0.1-1cm veins @55-63 degrees to ca, 1% diss and fract fill py
50	55	5	2	1	1	10	1	28	92	46264	50.5	53.5	3	12% qtz 0.1-14 cm veins @30-45 + 60 degrees to ca, 1% diss and fract fill py, fault zone, clay at 50.5-50.6
55	60	5	2	1	1	2	1	58	94	46265	53.5	60	6.5	2% qtz 0.1-0.2 cm veins @48-80 degrees to ca, 1% diss and fract fill py
60	65	5	2	1	1	14	4	76	96	46266	60	62.5	2.5	20% qtz 0.1-16 cm veins @12 + 30 + 50 degrees to ca, breccia vein texture, 3% diss and fract fill pyo, 1% py, late-stage milky qtz-cal
65	70	5	2	1	1	5	1	66	100	46267	62.5	67.5	5	5% qtz 0.1-3 cm veins @75-80 degrees to ca, 1% diss and fract fill py, late-stage vuggy qtz-cal
70	75	5	2	1	1	3	1	52	100	46268	67.5	72	4.5	3% qtz 0.1-1 cm veins @60 degrees to ca, 1% diss and fract fill py, broken grd at 69-69.3
75	80	5	2	2	1	10	2	80	100	46269	72	74	2	14% qtz 0.1-6 cm veins @30 + 60 degrees to ca 2% diss and fract fill pyo, 1% py
80	85	5	2	2	1	10	1	72	98	46270	74	77	3	10% qtz 0.1-1 cm veins @75-80 degrees to ca 2% diss and fract fill pyo, 1% py
85	90	5	2	2	1	8	1	66	94	46271	77	80	3	15% qtz 0.1-1 cm veins @75-80 degrees to ca 2% diss and fract fill pyo, 1% py
90	95	5	2	1	1	5	1	78	96	46272	80	85	5	5% qtz 0.1-1 cm veins @60-65 degrees to ca, 1% diss and fract fill py, late-stage vuggy qtz-cal @35 degrees to ca
95	100	5	2	1	1	5	1	48	90	46273	85	90	5	5% qtz 0.1-1 cm veins @60-65 degrees to ca, 1% diss and fract fill py, late-stage vuggy qtz-cal @35 degrees to ca
100	105	5	2	1	1	5	1	88	100	46274	90	95	5	5% qtz 0.1-1 cm veins @60-65 degrees to ca, 1% diss and fract fill py, late-stage vuggy qtz-cal @35 degrees to ca, fault at 90.2-90.7
105	110	5	2	1	1	5	1	94	100	46275	95	100	5	5% qtz 0.1-1 cm veins @60-65 degrees to ca, 1% diss and fract fill py
110	115	5	2	1	1	5	1	84	100	46276	100	105	5	5% qtz 0.1-1 cm veins @60-65 degrees to ca, 1% diss and fract fill py
115	120	5	2	1	1	5	1	78	96	46277	105	110	5	5% qtz 0.1-1 cm veins @60-65 degrees to ca, 1% diss and fract fill py
120	125	5	2	1	1	5	1	82	98	46278	110	115	5	5% qtz 0.1-1 cm veins @60-65 degrees to ca, 1% diss and fract fill py
125	130	5	2	1	1	5	1	94	100	46279	115	120	5	5% qtz 0.1-1 cm veins @60-65 degrees to ca, 1% diss and fract fill py
130	135	5	2	1	1	5	1	98	100	46280	120	125	5	5% qtz 0.1-1 cm veins @60-65 degrees to ca, 1% diss and fract fill py
135	140	5	1	1	1	5	1	100	100	46281	125	130	5	5% qtz 0.1-1 cm veins @60-65 degrees to ca, 1% diss and fract fill py
140	145	5	1	1	1	5	1	100	100	46282	130	135	5	5% qtz 0.1-1 cm veins @60-65 degrees to ca, 1% diss and fract fill py
145	150	5	1	1	1	4	1	100	100	46283	135	140	5	5% qtz 0.1-5 cm veins @48-55 degrees to ca, 1% diss and fract fill py, 135'-177.4' Unit 1 schist (metapelite)
150	155	5	1	1	1	4	1	100	100	46284	140	146	6	4% qtz 0.1-3 cm veins @60 degrees to ca, 1% diss and fract fill py
155	160	5	1	1	1	4	1	100	100	46285	146	152	6	4% qtz 0.1-3 cm veins @60 degrees to ca, 1% diss and fract fill py
160	165	5	1	1	1	4	1	98	100	46286	152	158	6	4% qtz 0.1-3 cm veins @60 degrees to ca, 1% diss and fract fill py, fault zone at 154.9-155
165	170	5	1	1	1	4	1	54	94	46287	158	163.7	5.7	4% qtz 0.1-3 cm veins @60 degrees to ca, 1% diss and fract fill py
170	175	5	1	1	1	6	1	100	100	46288	163.7	168	4.3	4% qtz 0.1-1 cm veins @65 degrees to ca, 1% diss and fract fill py, fault zone, broken at 167-168
175	180	5	2 + 1	1	1	4	1	100	100	46289	168	170	2	6% qtz 0.1-4 cm veins @55-60 degrees to ca, 1% diss and fract fill py, clay altered & bleached, broken at 168-170
180	185	5	2	1	1	6	1	100	100	46290	170	173	3	4% qtz 0.1-2 cm veins @60 degrees to ca, 1% diss and fract fill py
185	190	5	2	2	1	6	4	100	100	46291	173	175	2	8% qtz 0.1-4 cm veins @58 degrees to ca, 3% diss and fract fill pyo, (1-5 mm blebs), 1% py
190	195	5	2 + 1	1	1	2	1	100	100	46292	175	177.4	2.4	4% qtz 0.1-2 cm veins @60 degrees to ca, 1% diss and fract fill py
195	200	5	1	1	1	2	1	100	100	46293	177.4	181	3.6	2% qtz 0.1-4.5 cm veins @65-70 degrees to ca, 1% diss and fract fill py, 177.4'-192' Unit 2 gneiss (metasandstone)
200	205	5	5	1	1	4	1	64	96	46294	181	184.5	3.5	3% qtz 0.1-1 cm veins @65-80 degrees to ca, 1% diss and fract fill py
205	210	5	5	1	1	5	1	100	100	46295	193	196.5	3.5	4% qtz 0.1-1 cm veins @50-60 degrees to ca, late-stage white qtz @ 25 deg to ca, 1% diss and fract fill py, 192'-200' Unit 1 schist (metapelite)
210	215	5	5	1	1	4	1	98	100	46296	196.5	200	3.5	10% qtz 0.1-3.5 cm veins @60-70 degrees to ca, 1% diss and fract fill py
215	220	5	5 + 1	1	1	1	1	100	100	46297	200	203	3	1% qtz 0.1 cm veins @60-70 degrees to ca, 1% diss and fract fill py, bleached, clay altered unit 5 diorite dyke, broken ground, 200'-218.2' Unit 5 quartz diorite (Eocene dyke/sill)
220	225	5	1	1	1	3	1	100	100	46298	213.2	218.2	5	1% qtz 0.1 cm veins @60 degrees to ca, 1% diss and fract fill pyo-py, clay altered unit 5 diorite dyke, broken ground
225	230	5	1	1	1	5	1	94	100	46299	218.2	224	5.8	3% qtz 0.1-1 cm veins @35 + 60 degrees to ca, 1% diss and fract fill py, foliation at 30-50 deg to ca, at 222.8-223 broken grd, 218.2-230' Unit 1 schist (metapelite)
230	235	5	5	1	1	1	1	100	100	46300	224	230	6	5% qtz 0.1-1 cm veins @20 + 48 degrees to ca, 1% diss and fract fill py, at 227-227.2 & 229.3-229.5 broken grd, 230'-241.3' Unit 5 quartz diorite (Eocene dyke/sill)
235	240	5	5	1	1	1	1	96	100					
240	245	5	5 + 1	1	1	1	1	100	100					241.3'-263.2' Unit 1 schist (metapelite)
245	250	5	1	1	1	1	1	100	100					
250	255	5	1	1	1	1	1	100	100					
255	260	5	1	1	1	1	1	98	100					
260	265	5	5 + 1	1	1	1	1	52	94	46301	260.8	263.2	2.4	20% qtz 0.1-22 cm veins @5 + 40 degrees to ca, 1% diss and fract fill py, fault zone 70% recovery, 263.2'-276.2' Unit 5 quartz diorite (Eocene dyke/sill)
265	270	5	5	1	1	1	1	72	96					
270	275	5	5 + 1	1	1	1	1	58	98					
275	280	5	1	1	1	3	1	68	96	46302	276.9	282	5.1	3% qtz 0.1-1 cm veins @48-52 degrees to ca, 1% diss and fract fill py, at 279.3-279.5 broken grd, 276.2'-332' schist (metapelite)
280	285	5	1	1	1	3	1	78	100	46303	282	287	5	3% qtz 0.1-1 cm veins @48-52 degrees to ca, 1% diss and fract fill py, broken grd at 282-283 & 284.6-285
285	290	5	1	1	1	4	1	68	100	46304	287	292	5	4% qtz 0.1-1 cm veins @30-50 degrees to ca, 1% diss and fract fill py, weak contorted foliation
290	295	5	1	1	1	4	1	90	100	46305	292	297	5	4% qtz 0.1-1 cm veins @30-50 degrees to ca, 1% diss and fract fill py, weak contorted foliation
295	300	5	1	1	1	4	1	38	96	46306	297	302	5	4% qtz 0.1-1 cm veins @30-50 degrees to ca, 1% diss and fract fill py, weak contorted foliation, fault zone, broken ground
300	305	5	1	1	1	6	1	26	94	46307	302	307	5	6% qtz 0.1-5 cm veins @60 degrees to ca, 1% diss and fract fill py
305	310	5	1	1	1	6	1	46	96	46308	307	312	5	6% qtz 0.1-5 cm veins @60 degrees to ca, 1% diss and fract fill py
310	315	5	1	1	1	4	1	88	100	46309	312	317	5	4% qtz 0.1-1 cm veins @60-70 degrees to ca, 1% diss and fract fill py
315	320	5	1	1	1	4	1	58	94	46310	317	322	5	4% qtz 0.1-1 cm veins @60-70 degrees to ca, 1% diss and fract fill py, broken ground at 319.8-322
320	325	5	1	1	1	5	1	70	96	46311	322	327	5	5% qtz 0.1-3 cm veins @5 + 80 degrees to ca, breccia vein texture, 1% diss and fract fill py, broken ground at 322.5-324
325	330	5	1	1	1	5	1	58	98	46312	327	332	5	5% qtz 0.1-5 cm veins @45-60 degrees to ca, 1% diss and fract fill py, broken ground at 328.8-329.2
330	335	5	2 + 1	1	1	3	1	100	100	46313	332	337	5	3% qtz 0.1-1 cm veins @38 + 55 degrees to ca, 1% diss and fract fill py, 332'-355' Unit 2 gneiss (metasandstone)
335	340	5	2	1	1	3	1	100	100	46314	337	341	4	3% qtz 0.1-1 cm veins @38 + 55 degrees to ca, 1% diss and fract fill py
340	345	5	2	1	1	3	1	92	100	46315	341	345.8	4.8	3% qtz 0.1-1 cm veins @38 + 55 degrees to ca, 1% diss and fract fill py
345	350	5	2	3	1	7	1	100	100	46316	345.8	350	4.2	7% qtz 0.1-1 cm veins @60 degrees to ca, 1% diss and fract fill py, 3% chlorite, 1% epidote
350	355	5	2	1	1	6	1	100	100	46317	350	355	5	6% qtz 0.1-3 cm veins @30 + 66 degrees to ca, 1% cal, 1% diss and fract fill py
355	360	5	3	1	2	6	1	94	100	46318	355	360	5	6% qtz 0.1-3 cm veins @30 + 66 degrees to ca, 1% cal, 1% diss and fract fill py, 355'-472' Unit 3 amphibolite (metavolcanic)
360	365	5	3	1	2	5	1	100	100	46319	360	365	5	5% qtz 0.1-5 cm veins @70-75 degrees to ca, 1% cal, 1% diss and fract fill py
365	370	5	3	1	2	5	1	100	100	46320	365	370	5	5% qtz 0.1-5 cm veins @70-75 degrees to ca, 1% cal, 1% diss and fract fill py
370	375	5	3	1	2	1	1	100	100					
375	380	5	3	1	2	1	1	98	100					
380	385	5	3	1	2	1	1	80	100					
385	390	5	3	1	2	5	1	78	100	46321	387	394.3	7.3	5% qtz 0.1-5 cm veins @70-75 degrees to ca, 2% cal, 4% actinolite, fault zone 392..5-392.6, 1% diss and fract fill py, contorted foliation 390.5-399.3
390	395	5	3	2	2	5	1	100	100	46322	394.3	399.3	5	5% qtz 0.1-7 cm veins @72 degrees to ca, late-stage white qtz @10 deg to ca,2% cal, 1% diss and fract fill py, contorted foliation
395	400	5	3	1	2	1	1	100	100					
400	405	5	3	1	2	1	1	90	100					
405	410	5	3	1	2	1	1	94	100					
410	415	5	3	1	2	1	1	96	100					
415	420	5	3	1	2	1	1	100	100					
420	425	5	3	1	2	1	1	100	100					
425	430	5	3	1	2	4	1	96	100	46323	426.9	432	5.1	4% qtz 0.1-3 cm veins @25 + 50 + 75 degrees to ca, 2% cal, 2% diss and fract fill pyo & py
430	435	5	3	1	2	3	1	100	100	46324	432	437.1	5.1	3% qtz 0.1-0.8 cm veins @25 + 50 + 75 degrees to ca, 2% cal, 1% diss and fract fill pyo & py
435	440	5	3	2	2	8	1	100	100	46325	448	450.8	2.8	8% qtz 0.1-5 cm veins @55 degrees to ca, late-stage white qtz @15 deg to ca 3% chl sheared-clay altered, 2% cal, 1% diss & fract fill pyo & py
440	445	5	3	1	2	1	1	92	100					
445	450	5	3	1	2	1	1	90	100					
450	455	5	3	1	2	1	1	90	100					
455	460	5	3	1	2	1	1	94	100					
460	465	5	3	1	2	1	1	100	100					
465	470	5	3	1	2	1	1	90	100					
470	472	2	3	1	2	1	1	90	100					EOH 472'

Valentine Mountain Project Drill Core Log and Sample Record

Date/Target:	April, 2011 / BN Zone		Pajari Test	Azimuth	Dip	Hole Number:		11-1	
Location:	UTM NAD83 Zone 10N 430890E 5375091N 458 m. elevation uncorrected		850 feet	179	-20	Collar Azimuth:		210	
Total Length:	850 feet = 259.08 metres		259.08 metres	179	-20	Collar Dip:		-50	
Interval (m)	**Description**	**Rx**	**Sample No**	**From (m)**	**To (m)**	**Length (m)**	**Au g/t**	**Ag g/t**	**As ppm**
5.18	Overburden	casing		0.00	5.18	5.18			
0.91	Metasandstone	2		5.18	6.10	0.91			
1.52	Metasandstone	2		6.10	7.62	1.52			
1.52	Metasandstone	2		7.62	9.14	1.52			
1.52	Metasandstone	2		9.14	10.67	1.52			
0.30	Metasandstone	2		10.67	10.97	0.30			
0.91	Metasandstone with 5% qtz 0.1-1.5 cm @49 degrees to ca, 1% diss & frac fill py, trace limonite	2	52101	10.97	11.89	0.91	<0.001	0.07	49
0.30	Metasandstone	2		11.89	12.19	0.30			
1.52	Metasandstone	2		12.19	13.72	1.52			
1.52	Metasandstone	2		13.72	15.24	1.52			
1.52	Metasandstone	2		15.24	16.76	1.52			
1.52	Metasandstone	2		16.76	18.29	1.52			
1.52	Metasandstone	2		18.29	19.81	1.52			
1.52	Metasandstone	2		19.81	21.34	1.52			
0.76	Metasandstone	2		21.34	22.10	0.76			
1.07	Metasandstone with 6% qtz 0.1-3 cm @55-60 degrees to ca, 2% cal, 5% chl,1% diss & frac fill py, pyo	2	52102	22.10	23.16	1.07	0.001	0.07	6.3
1.58	Metaasandstone with 6% qtz 0.1-1.5 cm @55-60 degrees to ca, 2% cal, 5% chl,1% diss & frac fill py, pyo	3	52103	23.16	24.75	1.58	0.001	0.01	1.4
1.16	Metasandstone	2		24.75	25.91	1.16			
1.52	Metasandstone	2		25.91	27.43	1.52			
1.52	Metasandstone	2		27.43	28.96	1.52			
1.52	Metasandstone	2		28.96	30.48	1.52			
1.52	Metasandstone	2		30.48	32.00	1.52			
1.52	Metasandstone	2		32.00	33.53	1.52			
1.52	Metasandstone	2		33.53	35.05	1.52			
1.52	Metasandstone	2		35.05	36.58	1.52			
1.52	Metasandstone	2		36.58	38.10	1.52			
0.91	Metasandstone	2		38.10	39.01	0.91			
1.52	Metasandstone with 2% qtz 0.1-1 cm @45-65 degrees to ca, 2% diss & frac fill py, broken ground (at 128-158)	2	52104	39.01	40.54	1.52	<0.001	0.12	2.4
1.52	Metasandstone with 2% qtz 0.1-1 cm @45-65 degrees to ca, 2% diss & frac fill py, broken ground, wk fault zone	2	52105	40.54	42.06	1.52	<0.001	0.1	12.7
1.52	Metasandstone with 2% qtz 0.1-1 cm @45-65 degrees to ca, 2% diss & frac fill py, broken ground	2	52106	42.06	43.59	1.52	0.001	0.06	34.4
1.52	Metasandstone with 2% qtz 0.1-1 cm @45-65 degrees to ca, 2% diss & frac fill py, broken ground, wk fault zone, minor clay	2	52107	43.59	45.11	1.52	<0.001	0.09	5
1.52	Metasandstone with 2% qtz 0.1-1 cm @45-65 degrees to ca, 2% diss & frac fill py, broken ground, wk fault zone, minor clay	2	52108	45.11	46.63	1.52	0.001	0.1	5.7
1.52	Metasandstone with 2% qtz 0.1-1 cm @45-65 degrees to ca, 2% diss & frac fill py, broken ground	2	52109	46.63	48.16	1.52	<0.001	0.08	0.8
0.61	Metasandstone	2		48.16	48.77	0.61			
1.52	Metasandstone	2		48.77	50.29	1.52			
1.52	Metasandstone	2		50.29	51.82	1.52			
1.52	Metasandstone	2		51.82	53.34	1.52			
1.52	Amphibolite	3		53.34	54.86	1.52			
0.06	Amphibolite	3		54.86	54.92	0.06			
1.40	Amphibolite with 6% qtz 0.1-2 cm @30-60 degrees to ca, 2% cal, 4% chl,1% diss & frac fill py, pyo	3	52110	54.92	56.33	1.40	0.001	0.05	25.6
1.19	Amphibolite with 2% qtz 0.1-1 cm @45-65 degrees to ca, 2% diss & frac fill py, broken ground	3	52111	56.33	57.52	1.19	<0.001	0.05	14.4
1.52	Amphibolite with 2% qtz 0.1-1 cm @45-65 degrees to ca, 2% diss & frac fill py, broken ground	3	52112	57.52	59.04	1.52	<0.001	0.1	21.7
1.01	Metasandstone with 2% qtz 0.1-1 cm @45-65 degrees to ca, 2% diss & frac fill py, broken ground	2	52113	59.04	60.05	1.01	0.001	0.1	21
0.85	Metasandstone with 2% qtz 0.1-1 cm @45-65 degrees to ca, 2% diss & frac fill py, broken ground	2	52114	60.05	60.90	0.85	0.001	0.1	12.6
1.28	Metasandstone with 2% qtz 0.1-1 cm @45-65 degrees to ca, 2% diss & frac fill py, broken ground, fault zone at 199.8-207.6	2	52115	60.90	62.18	1.28	<0.001	0.09	4
1.22	Metasandstone with 2% qtz 0.1-1 cm @45-65 degrees to ca, 2% diss & frac fill py, broken ground, fault zone at 199.8-207.6	2	52116	62.18	63.40	1.22	<0.001	0.08	6.9
0.61	Metasandstone	2		63.40	64.01	0.61			
1.52	Metasandstone	2		64.01	65.53	1.52			
1.52	Metasandstone	2		65.53	67.06	1.52			
1.52	Metasandstone	2		67.06	68.58	1.52			
1.52	Metasandstone	2		68.58	70.10	1.52			
1.52	Metasandstone	2		70.10	71.63	1.52			
1.52	Metasandstone	2		71.63	73.15	1.52			
1.52	Metasandstone	2		73.15	74.68	1.52			
1.52	Metasandstone	2		74.68	76.20	1.52			
1.52	Metasandstone	2		76.20	77.72	1.52			
1.52	Metasandstone	2		77.72	79.25	1.52			
1.52	Apmhibolite with 4% qtz 0.1-4 cm @40-50 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo, gneiss-amphibolite contact bleached, silicified	3	52117	79.25	80.77	1.52	0.002	0.11	57.2
1.52	Amphibolite with 2% qtz 0.1-1 cm @40-58 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52118	80.77	82.30	1.52	0.001	0.05	11.4
1.52	Amphibolite with 2% qtz 0.1-1 cm @40-58 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52119	82.30	83.82	1.52	0.001	0.06	17.1
1.52	Amphibolites with 2% qtz 0.1-4 cm @40-50 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo, gneiss-amphibolite contact	3	52120	83.82	85.34	1.52	0.002	0.04	27.4
1.52	Amphibolite with 2% qtz 0.1-4 cm @40-50 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo, gneiss-amphibolite contact	3	52121	85.34	86.87	1.52	0.002	0.06	27.1
1.52	Amphibolite with 2% qtz 0.1-4 cm @40-50 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52122	86.87	88.39	1.52	0.002	0.06	26
1.52	Amphibolite with 2% qtz 0.1-1 cm @40-58 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52123	88.39	89.92	1.52	0.001	0.05	15.2
1.52	Amphibolite with 2% qtz 0.1-1 cm @40-58 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52124	89.92	91.44	1.52	0.001	0.05	13
1.52	Amphibolite with 2% qtz 0.1-1 cm @40-58 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52125	91.44	92.96	1.52	0.002	0.06	13.2
1.52	Amphibolite with 2% qtz 0.1-1 cm @40-58 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52126	92.96	94.49	1.52	0.003	0.06	22.9
1.52	Metasandstone with 2% qtz 0.1-2 cm @35-55 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo, gneiss-amphibolite contact	2	52127	94.49	96.01	1.52	0.002	0.06	4.6
1.52	Metasandstone with 2% qtz 0.1-2 cm @35-55 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo, gneiss-amphibolite contact, fault at 316.5-317	2	52128	96.01	97.54	1.52	0.003	0.09	13
1.52	Amphibolite with 2% qtz 0.1-4 cm @40-70 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo, 3% pink feldspar-rhodonite, gneiss-amphibolite contact, fault at 322.8-323.4	3	52129	97.54	99.06	1.52	0.006	0.08	3.8
1.52	Amphibolite with 2% qtz 0.1-1 cm @40-58 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52130	99.06	100.58	1.52	0.002	0.07	1
1.52	Metasandstone with 2% qtz 0.1-4 cm @35-55 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo, gneiss-amphibolite contact, fault at 332.1-334.8	2	52131	100.58	102.11	1.52	0.002	0.06	28
1.52	Amphibolite with 2% qtz 0.1-1 cm @40-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52132	102.11	103.63	1.52	0.026	0.22	31.3
1.52	Amphibolite with 2% qtz 0.1-1 cm @40-60 degrees to ca, 1% cal, 2% chl,4% diss & frac fill py, pyo, fault at 343.1-348.8	3	52133	103.63	105.16	1.52	0.004	0.07	30.2
1.52	Amphibolite with 2% qtz 0.1-1 cm @40-60 degrees to ca, 1% cal, 2% chl,3% diss & frac fill py, pyo, fault at 343.1-348.8	3	52134	105.16	106.68	1.52	0.003	0.08	10
1.52	Amphibolite with 2% qtz 0.1-1 cm @40-55 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52135	106.68	108.20	1.52	0.023	0.19	32.7
1.52	Amphibolite with 3% qtz 0.1-3 cm @45-65 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52136	108.20	109.73	1.52	0.004	0.08	32.9
1.52	Metasandstone with 2% qtz 0.1-1 cm @45-65 degrees to ca, 4% diss & frac fill py, pyo, 6% andalusite 1-5 mm subhedral porphyryblasts, 8% pink feldspar-rhodonite at 364-365, wk fault at 362.9	2	52137	109.73	111.25	1.52	0.007	0.09	10.3
1.52	2% qtz 0.1-1 cm @40-55 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52138	111.25	112.78	1.52	0.005	0.11	21.7
1.52	2% qtz 0.1-1 cm @40-55 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52139	112.78	114.30	1.52	0.002	0.06	19.6
1.52	2% qtz 0.1-1 cm @40-55 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52140	114.30	115.82	1.52	0.003	0.09	16.3
1.52	2% qtz 0.1-1 cm @40-55 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52141	115.82	117.35	1.52	0.003	0.05	3.5
1.52	2% qtz 0.1-1 cm @40-55 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52142	117.35	118.87	1.52	0.004	0.06	0.6
0.76	3% qtz 0.1-2 cm @30-65 degrees to ca, 1% cal, 2% chl,2% diss & frac fill py, pyo, tr-5% pink feldspar-rhodonite, tr tourmaline, tr cpy	3	52143	118.87	119.63	0.76	0.001	0.02	0.6
0.76	8% qtz 0.1-2 cm @30-65 degrees to ca, 1% cal, 2% chl,2% diss & frac fill py, pyo, tr-5% pink feldspar-rhodonite, tr tourmaline, tr cpy, wk brecciation	3	52144	119.63	120.40	0.76	0.002	0.03	0.7
0.76	6% qtz 0.1-2 cm @30-65 degrees to ca, 1% cal, 2% chl,2% diss & frac fill py, pyo, tr-5% pink feldspar-rhodonite, tr tourmaline, tr cpy, wk brecciation	3	52145	120.40	121.16	0.76	0.002	0.03	0.5
0.76	3% qtz 0.1-2 cm @30-65 degrees to ca, 1% cal, 2% chl,2% diss & frac fill py, pyo, tr-5% pink feldspar-rhodonite, tr tourmaline, tr cpy	3	52146	121.16	121.92	0.76	0.004	0.08	1.5
0.76	6% qtz 0.1-2 cm @30-65 degrees to ca, 1% cal, 2% chl,2% diss & frac fill py, pyo, tr-5% pink feldspar-rhodonite, tr tourmaline, tr cpy	3	52147	121.92	122.68	0.76	0.006	0.07	1
0.76	8% qtz 0.1-2 cm @30-65 degrees to ca, 1% cal, 2% chl,2% diss & frac fill py, pyo, tr-5% pink feldspar-rhodonite, tr tourmaline, tr cpy	3	52148	122.68	123.44	0.76	0.007	0.04	0.2
0.76	6% qtz 0.1-2 cm @30-65 degrees to ca, 1% cal, 2% chl,2% diss & frac fill py, pyo, tr-5% pink feldspar-rhodonite, tr tourmaline, tr cpy	3	52149	123.44	124.21	0.76	0.005	0.06	1.3
0.76	3% qtz 0.1-2 cm @30-65 degrees to ca, 1% cal, 2% chl,2% diss & frac fill py, pyo, tr-5% pink feldspar-rhodonite, tr tourmaline, tr cpy	3	52150	124.21	124.97	0.76	0.005	0.06	0.5
1.52	2% qtz 0.1-1 cm @40-55 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52151	124.97	126.49	1.52	0.001	0.04	0.6
1.52	2% qtz 0.1-1 cm @40-55 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52152	126.49	128.02	1.52	0.001	0.04	0.3
1.52	2% qtz 0.1-1 cm @40-55 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52153	128.02	129.54	1.52	0.001	0.06	0.3
1.52	2% qtz 0.1-1 cm @40-55 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo, fault at 425-427	3	52154	129.54	131.06	1.52	0.002	0.08	0.7
1.52	2% qtz 0.1-1 cm @40-55 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo, fault at 433-440	3	52155	131.06	132.59	1.52	0.001	0.07	19.3
1.52	2% qtz 0.1-1 cm @40-55 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo, fault at 433-440	3	52156	132.59	134.11	1.52	0.002	0.19	34.1
1.52	2% qtz 0.1-1 cm @40-55 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo, broken ground at 440-446.2	3	52157	134.11	135.64	1.52	0.003	0.11	16.5
1.52	2% qtz 0.1-1 cm @40-55 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52158	135.64	137.16	1.52	0.002	0.08	5.8
1.52	2% qtz 0.1-1 cm @40-55 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52159	137.16	138.68	1.52	0.002	0.1	6.5
1.52	2% qtz 0.1-1 cm @40-55 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo, broken ground at 459-493.2, tr-0.1% pink feldspar-rhodonite	3	52160	138.68	140.21	1.52	0.002	0.1	6
1.52	2% qtz 0.1-1 cm @40-55 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo, broken ground at 459-493.2, tr-0.1% pink feldspar-rhodonite	3	52161	140.21	141.73	1.52	0.016	0.16	32.2
1.52	2% qtz 0.1-1 cm @40-55 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo, broken ground at 459-493.2, tr-0.1% pink feldspar-rhodonite	3	52162	141.73	143.26	1.52	0.002	0.1	7.3
1.52	2% qtz 0.1-1 cm @40-55 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo, broken ground at 459-493.2, tr-0.1% pink feldspar-rhodonite	3	52163	143.26	144.78	1.52	0.003	0.09	32.5
1.22	2% qtz 0.1-1 cm @40-55 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo, broken ground at 459-493.2, tr-0.1% pink feldspar-rhodonite	3	52164	144.78	146.00	1.22	0.003	0.08	53.7
0.91	2% qtz 0.1-1 cm @40-55 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo, broken ground at 459-493.2, tr-0.1% pink feldspar-rhodonite	3	52165	146.00	146.91	0.91	0.003	0.06	66.8
0.91	2% qtz 0.1-1 cm @40-55 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo, broken ground at 459-493.2, tr-0.1% pink feldspar-rhodonite	3	52166	146.91	147.83	0.91	0.005	0.09	24.7
0.91	2% qtz 0.1-1 cm @40-55 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo, broken ground at 459-493.2, tr-0.1% pink feldspar-rhodonite	3	52167	147.83	148.74	0.91	0.004	0.06	31.4
0.91	2% qtz 0.1-1 cm @40-55 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo, broken ground at 459-493.2, tr-0.1% pink feldspar-rhodonite	3	52168	148.74	149.66	0.91	0.015	0.11	43.5
1.22	2% qtz 0.1-1 cm @40-55 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo, broken ground at 459-493.2, tr-0.1% pink feldspar-rhodonite	3	52169	149.66	150.88	1.22	0.006	0.1	16.7
1.22	2% qtz 0.1-1 cm @40-55 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo, 3% pink feldspar-rhodonite as 1-5 mm veins parallel to foliation	3	52170	150.88	152.10	1.22	0.009	0.11	25.9
1.22	2% qtz 0.1-1 cm @50-70 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo, 1% pink feldspar-rhodonite as 1-3 mm veins	3	52171	152.10	153.31	1.22	0.006	0.11	19.2
1.52	2% qtz 0.1-1 cm @50-70 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo, 1% pink feldspar-rhodonite as 1-3 mm veins	3	52172	153.31	154.84	1.52	0.006	0.08	22.2
1.52	2% qtz 0.1-1 cm @50-70 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo, 1% pink feldspar-rhodonite as 1-3 mm veins	3	52173	154.84	156.36	1.52	0.005	0.05	19.3
1.52	2% qtz 0.1-1 cm @50-70 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo, 1% pink feldspar-rhodonite as 1-3 mm veins	3	52174	156.36	157.89	1.52	0.001	0.05	2.2
1.52	2% qtz 0.1-1 cm @50-70 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo, 1% pink feldspar-rhodonite as 1-3 mm veins	3	52175	157.89	159.41	1.52	0.002	0.05	1.6
1.52	2% qtz 0.1-1 cm @40-55 degrees to ca, 1% cal, 2% chl,2% diss & frac fill py, pyo, fault at 522-532	3	52176	159.41	160.93	1.52	0.002	0.06	4
0.91	2% qtz 0.1-1 cm @40-55 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo, fault at 522-532	3	52177	160.93	161.85	0.91	0.002	0.06	1.5
0.91	2% qtz 0.1-1 cm @40-55 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52178	161.85	162.76	0.91	0.002	0.05	1.3
0.91	2% qtz 0.1-1 cm @40-55 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52179	162.76	163.68	0.91	0.002	0.04	1.2
0.91	2% qtz 0.1-1 cm @40-55 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52180	163.68	164.59	0.91	0.002	0.06	0.4
0.91	2% qtz 0.1-1 cm @40-55 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52181	164.59	165.51	0.91	0.003	0.09	1
1.52	2% qtz 0.1-1 cm @40-55 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52182	165.51	167.03	1.52	0.001	0.06	0.7
1.52	2% qtz 0.1-1 cm @40-55 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	2	52183	167.03	168.55	1.52	0.001	0.04	0.9
1.83	2% qtz 0.1-1 cm @45-65 degrees to ca, 2% diss & frac fill py, broken ground, gneiss-amphibolite contact	2	52184	168.55	170.38	1.83	0.001	0.08	34.1
2.29		2		170.38	172.67	2.29			
3.14	6% qtz 0.1-1 cm @45-65 degrees to ca, 2% diss & frac fill py, broken ground	2	52185	172.67	173.52	0.85	0.003	0.05	99.9
1.43	3% qtz 0.1-1 cm @45-65 degrees to ca, 2% diss & frac fill py, broken ground	2	52186	173.52	174.96	1.43	0.001	0.05	11.9
1.52	2% qtz 0.1-1 cm @45-65 degrees to ca, 2% diss & frac fill py, broken ground, fault zone at 574.5-575.3	2	52187	174.96	176.48	1.52	0.001	0.1	8.8
1.52	2% qtz 0.1-1 cm @45-65 degrees to ca, 2% diss & frac fill py, broken ground, gneiss-amphibolite contact	3	52188	176.48	178.00	1.52	0.002	0.06	13.1
1.52	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52189	178.00	179.53	1.52	0.009	0.03	0.3
1.52	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52190	179.53	181.05	1.52	0.003	0.03	0.8
1.52	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52191	181.05	182.58	1.52	0.002	0.09	1.8
1.52	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52192	182.58	184.10	1.52	0.002	0.05	0.7
1.52	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52193	184.10	185.62	1.52	0.001	0.07	1.2
1.52	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52194	185.62	187.15	1.52	0.001	0.08	0.4
1.52	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52195	187.15	188.67	1.52	<0.001	0.02	0.2
1.52	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52196	188.67	190.20	1.52	<0.001	0.03	0.1
1.52	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52197	190.20	191.72	1.52	<0.001	0.03	0.2
1.83	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52198	191.72	193.55	1.83	<0.001	0.04	0.6
1.83	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52199	193.55	195.38	1.83	0.001	0.07	1.4
2.13	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52200	195.38	197.51	2.13	0.001	0.04	2.6
1.68	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52201	197.51	199.19	1.68	0.002	0.13	0.5
1.68	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52202	199.19	200.86	1.68	0.001	0.06	0.6
1.52	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52203	200.86	202.39	1.52	<0.001	0.09	4.3
1.65	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52204	202.39	204.03	1.65	<0.001	0.03	1
1.62	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52205	204.03	205.65	1.62	0.001	0.05	0.3
0.30	20% qtz 0.1-10 cm @20-60 degrees to ca, 1% cal, 2% chl,2% diss & frac fill py, pyo	3	52206	205.65	205.95	0.30	0.001	0.09	0.4
1.86	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52207	205.95	207.81	1.86	0.001	0.07	0.5
0.40	70% qtz 0.1-38 cm @ 60 degrees to ca, 1% cal, 2% chl,3% diss & frac fill py, pyo	3	52208	207.81	208.21	0.40	0.003	0.33	1.5
1.49	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52209	208.21	209.70	1.49	<0.001	0.06	1.8
1.52	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52210	209.70	211.23	1.52	0.001	0.04	0.5
3.96	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52211	211.23	215.19	3.96	0.002	0.15	14.1
3.96	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52212	215.19	219.15	3.96	0.001	0.09	2
11.52	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52213	219.15	230.67	11.52	<0.001	0.02	0.3
1.58	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52214	230.67	232.26	1.58	<0.001	0.1	0.1
1.52	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52215	232.26	233.78	1.52	0.001	0.03	0.3
1.52	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52216	233.78	235.31	1.52	<0.001	0.03	0.4
1.52	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52217	235.31	236.83	1.52	<0.001	0.02	0.3
1.58	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52218	236.83	238.41	1.58	<0.001	0.02	0.5
0.98	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52219	238.41	239.39	0.98	<0.001	0.02	0.2
0.94	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52220	239.39	240.33	0.94	<0.001	0.03	0.3
1.04	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52221	240.33	241.37	1.04	0.001	0.03	0.9
0.94		3		241.37	242.32	0.94			
1.52		3		242.32	243.84	1.52			
1.52		3		243.84	245.36	1.52			
1.52	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52222	245.36	246.89	1.52	0.001	0.02	0.4
1.52	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52223	246.89	248.41	1.52	<0.001	0.02	0.5
1.52	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52224	248.41	249.94	1.52	<0.001	0.03	0.1
1.52	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52225	249.94	251.46	1.52	0.001	0.03	0.3
1.52	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52226	251.46	252.98	1.52	0.001	0.02	0.7
1.52	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52227	252.98	254.51	1.52	<0.001	0.02	0.2
1.52	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52228	254.51	256.03	1.52	0.001	0.02	0.4
1.52	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52229	256.03	257.56	1.52	0.001	0.02	0.4
1.52	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52230	257.56	259.08	1.52	0.001	0.03	0.2

VA11062529 - Finalized
CLIENT : "MILBAVE - Mill Bay Ventures"
# of SAMPLES : 222
DATE RECEIVED : 2011-04-15 DATE FINALIZED : 2011-05-07
PROJECT : "Valentine BN"
CERTIFICATE COMMENTS : "ME-MS41:Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g). "
PO NUMBER : " "

	Au-TL44	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
SAMPLE	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	Hg
DESCRIPTION	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
52101	<0.001	0.07	2.19	49	<0.2	<10	420	0.12	0.15	0.41	0.06	18.6	12.8	63	3.02	41.9	3.41	9.24	0.14	0.02	<0.01
52102	0.001	0.07	4.29	6.3	<0.2	<10	50	0.27	0.04	3.85	0.05	1.19	15.3	61	0.62	82.2	2.14	8.31	0.23	0.07	0.01
52103	0.001	0.01	5.38	1.4	<0.2	<10	50	0.39	0.04	4.38	0.04	1.03	8.4	74	0.54	2.9	1.19	9.06	0.16	0.07	0.01
52104	<0.001	0.12	2.9	2.4	<0.2	<10	290	0.28	0.21	0.9	0.06	28.4	12.1	51	4.74	51.7	3.65	9.87	0.13	0.02	0.04
52105	<0.001	0.1	3.31	12.7	<0.2	<10	490	0.25	0.12	1.09	0.05	14.7	20.3	113	4.53	90.9	4.1	11.35	0.17	0.02	0.04
52106	0.001	0.06	3.9	34.4	<0.2	<10	360	0.33	0.1	1.83	0.08	11	22.4	121	4.02	36.5	3.74	10.5	0.18	0.03	0.03
52107	<0.001	0.09	2.59	5	<0.2	<10	340	0.16	0.15	0.66	0.05	22.1	15.7	75	3.81	33.4	3.86	9.34	0.15	<0.02	0.04
52108	0.001	0.1	2.2	5.7	<0.2	<10	170	0.3	0.17	1.83	0.14	19.7	15	53	1.95	34.2	3.65	8.1	0.12	<0.02	0.03
52109	<0.001	0.08	2.8	0.8	<0.2	<10	450	0.17	0.17	0.42	0.04	23.7	15.5	77	4.26	39.1	3.89	10.3	0.15	<0.02	0.02
52110	0.001	0.05	3.9	25.6	<0.2	<10	180	0.33	0.09	4.45	0.12	3.9	24.5	98	3.92	54	3.55	8.41	0.21	0.09	0.01
52111	<0.001	0.05	3.47	14.4	<0.2	<10	600	0.2	0.1	1.04	0.04	16.1	21.8	118	4.61	46.9	4.35	11.7	0.22	<0.02	0.01
52112	<0.001	0.1	2.79	21.7	<0.2	<10	310	0.16	0.12	1.68	0.07	7.15	25.1	114	3.7	113.5	3.98	8.71	0.21	0.05	<0.01
52113	0.001	0.1	3.9	21	<0.2	<10	210	0.3	0.05	3.62	0.14	3.05	26.6	130	3.58	59.6	3.74	9.24	0.19	0.06	0.01
52114	0.001	0.1	4.46	12.6	<0.2	<10	260	0.35	0.06	3.14	0.15	4.84	25.3	128	3.54	53.8	3.91	9.68	0.18	0.05	0.01
52115	<0.001	0.09	2.88	4	<0.2	<10	410	0.11	0.15	0.68	0.04	20.2	18.2	95	4.8	64.9	4.01	10.85	0.17	0.02	0.01
52116	<0.001	0.08	2.72	6.9	<0.2	<10	360	0.19	0.18	2.53	0.04	18.6	16.8	76	6	48.4	3.8	10.05	0.15	<0.02	0.01
52117	0.002	0.11	2.9	57.2	<0.2	<10	130	0.15	0.08	2.31	0.09	4.88	23.2	210	2.95	93.8	3.08	8.14	0.16	0.04	0.01
52118	0.001	0.05	2.38	11.4	<0.2	<10	10	0.21	0.04	2.78	0.07	3.2	16.4	67	0.27	66.4	1.95	5.79	0.18	0.1	<0.01
52119	0.001	0.06	1.96	17.1	<0.2	<10	10	0.17	0.06	2.17	0.06	2.66	15.3	81	0.52	59.4	2.11	4.8	0.18	0.07	0.01
ST-1	<0.001	0.01	6.73	0.5	<0.2	<10	10	0.19	<0.01	4.1	0.02	8.92	12.4	254	<0.05	14.1	3.54	11.85	0.12	0.04	0.01
52120	0.002	0.04	2.48	27.4	<0.2	<10	410	0.16	0.08	1.29	0.04	10.25	19.5	114	4.8	61.6	3.22	8.12	0.2	0.05	0.01
52121	0.002	0.06	3.32	27.1	<0.2	<10	510	0.21	0.15	1.3	0.04	8.1	21.5	134	6.65	87.7	3.49	9.65	0.18	0.04	<0.01
52122	0.002	0.06	2.71	26	<0.2	<10	220	0.17	0.07	1.56	0.05	5.78	21.4	137	5.03	80	3.01	7.75	0.21	0.05	0.01
52123	0.001	0.05	2.54	15.2	<0.2	<10	470	0.18	0.11	0.96	0.04	15.2	22	130	6.98	119	3.48	8.88	0.2	0.03	0.01
52124	0.001	0.05	2.64	13	<0.2	<10	360	0.22	0.09	1.61	0.05	9.27	22.2	116	5.17	106.5	3.24	7.75	0.22	0.06	<0.01
52125	0.002	0.06	2.94	13.2	<0.2	<10	500	0.21	0.12	1.27	0.04	9.97	24.7	150	6.75	68.3	4.22	9.78	0.22	0.04	<0.01
52126	0.003	0.06	2.37	22.9	<0.2	<10	190	0.15	0.04	1.49	0.04	4.74	19.6	149	3.33	120.5	2.47	6.34	0.16	0.04	0.01
52127	0.002	0.06	3.23	4.6	<0.2	<10	640	0.17	0.16	0.88	0.03	15.1	23.2	142	4.1	99.9	4.31	11.45	0.19	0.02	<0.01
52128	0.003	0.09	3.69	13	<0.2	<10	510	0.2	0.14	1.16	0.05	11.55	23.6	165	4	117	4.09	11.55	0.18	0.02	0.01
52129	0.006	0.08	2.52	3.8	<0.2	<10	140	0.21	0.12	3.22	0.09	5.86	27.6	55	3.83	95.5	4.69	8.61	0.22	0.12	0.02
52130	0.002	0.07	1.88	1	<0.2	<10	70	0.16	0.05	2.99	0.07	3.12	14.4	91	1.95	66.4	2.81	5.78	0.19	0.1	<0.01
52131	0.002	0.06	2.3	28	<0.2	<10	270	0.13	0.05	1.68	0.04	9.49	20.7	124	7.9	81.8	3.63	8.57	0.19	0.07	<0.01
52132	0.026	0.22	2.46	31.3	<0.2	<10	160	0.17	0.47	1.77	0.04	6.99	22.7	133	2.72	149	2.77	7.01	0.18	0.04	0.01
52133	0.004	0.07	3.45	30.2	<0.2	<10	380	0.28	0.23	1	0.04	14.65	25.1	136	3.51	78.7	4.36	9.78	0.16	0.02	<0.01
52134	0.003	0.08	3.36	10	<0.2	<10	450	0.18	0.19	0.76	0.03	16.6	21.3	143	4.01	85.1	4.32	10.65	0.15	0.02	0.01
52135	0.023	0.19	2.71	32.7	<0.2	<10	70	0.1	0.47	1.79	0.08	1.85	24	232	2.92	101.5	3.26	7.5	0.18	0.05	0.01
52136	0.004	0.08	3.1	32.9	<0.2	<10	100	0.12	0.09	1.73	0.07	3.65	26	229	2.48	64.9	3.65	9.8	0.13	0.05	0.01
52137	0.007	0.09	3.42	10.3	<0.2	<10	600	0.17	0.22	0.88	0.04	14.5	25.3	125	5.53	96.5	4.39	12.65	0.14	0.03	<0.01
52138	0.005	0.11	2.56	21.7	<0.2	<10	210	0.14	0.11	1.81	0.06	6.23	23.2	168	3.19	113.5	3.55	8.26	0.14	0.05	<0.01
52139	0.002	0.06	2.34	19.6	<0.2	<10	70	0.12	0.04	2.29	0.04	3.1	21.2	195	2.74	48.5	3.09	7.11	0.13	0.05	<0.01
ST-2	0.001	0.02	4.77	<0.1	<0.2	<10	10	0.13	0.01	3.19	0.02	6.62	13	212	0.05	30.6	4.31	10.75	0.1	0.06	0.01
52140	0.003	0.09	2.78	16.3	<0.2	<10	210	0.19	0.11	1.97	0.06	4.65	25	214	4.92	109	3.63	8.66	0.16	0.05	<0.01
52141	0.003	0.05	2.04	3.5	<0.2	<10	230	0.12	0.09	1.18	0.04	5.63	20.5	138	3.61	103.5	2.95	6.92	0.16	0.04	<0.01
52142	0.004	0.06	1.99	0.6	<0.2	<10	180	0.1	0.09	1.31	0.05	5.91	19.3	127	3.45	122.5	2.94	6.33	0.15	0.05	<0.01
52143	0.001	0.02	1.06	0.6	<0.2	<10	10	0.11	0.03	2.69	0.06	3.16	14.6	63	0.16	83.7	2.24	4.26	0.13	0.12	<0.01
52144	0.002	0.03	1.48	0.7	<0.2	<10	10	0.1	0.02	3.73	0.08	3.1	14.4	83	0.38	80.2	2.83	5.24	0.14	0.13	<0.01
52145	0.002	0.03	2.31	0.5	<0.2	<10	90	0.2	0.04	4.68	0.1	2.87	19.1	76	1.41	84.7	3.52	7.55	0.17	0.13	0.01
52146	0.004	0.08	2.23	1.5	<0.2	<10	170	0.18	0.08	4.74	0.14	4.09	21.1	81	7.55	206	3.61	7.53	0.19	0.1	0.01
52147	0.006	0.07	2.32	1	<0.2	<10	400	0.19	0.16	2.62	0.07	6.11	21.5	89	9.33	141.5	4.29	7.55	0.22	0.09	<0.01
52148	0.007	0.04	1.92	0.2	<0.2	<10	240	0.14	0.1	2.54	0.08	7.19	19	94	6.32	100.5	3.09	7.19	0.16	0.08	0.01
52149	0.005	0.06	2.37	1.3	<0.2	<10	310	0.13	0.17	2.8	0.09	7.67	22.6	111	6.62	149	3.63	8.13	0.19	0.07	<0.01
52150	0.005	0.06	2.43	0.5	<0.2	<10	380	0.13	0.16	1.18	0.06	9.42	24.9	160	7.51	145.5	3.55	9.06	0.18	0.05	<0.01
52151	0.001	0.04	1.99	0.6	<0.2	<10	100	0.13	0.06	3.86	0.08	3.42	16.9	64	4.27	69.2	3.47	6.58	0.15	0.12	<0.01
52152	0.001	0.04	1.44	0.3	<0.2	<10	10	0.1	0.07	3.79	0.09	2.31	12.8	46	1.4	54.2	2.86	5.19	0.14	0.16	<0.01
52153	0.001	0.06	1.33	0.3	<0.2	<10	10	0.1	0.06	4.93	0.14	2.72	14.5	47	1.58	73.2	2.67	5.25	0.16	0.17	0.01
52154	0.002	0.08	1.34	0.7	<0.2	<10	10	0.07	0.12	4.89	0.15	2.16	12.7	36	0.63	68.9	2.38	4.93	0.13	0.15	<0.01
52155	0.001	0.07	2.27	19.3	<0.2	<10	10	0.17	0.06	4.27	0.12	7.95	21.4	93	0.92	35.6	3.41	7.35	0.12	0.12	0.01
52156	0.002	0.19	3.06	34.1	<0.2	<10	250	0.43	0.1	2.38	0.09	17.7	28.9	184	4.41	59.8	4.86	10.4	0.12	0.04	<0.01
52157	0.003	0.11	3.03	16.5	<0.2	<10	270	0.2	0.15	2.17	0.07	9.92	24.7	130	2.75	84.5	4.05	10.35	0.15	0.07	<0.01
52158	0.002	0.08	2.13	5.8	<0.2	<10	150	0.12	0.08	2.48	0.08	4.97	25.5	69	1.95	91.2	3.99	7.79	0.17	0.12	<0.01
52159	0.002	0.1	1.34	6.5	<0.2	<10	20	0.08	0.05	2.46	0.06	2.34	15.4	81	0.54	93.6	2.32	4.46	0.11	0.09	<0.01
ST-3	0.001	0.02	4.58	<0.1	<0.2	<10	10	0.11	<0.01	2.62	0.02	5.96	18.1	174	<0.05	42.2	4.27	9.54	0.1	0.05	<0.01
52160	0.002	0.1	1.96	6	<0.2	<10	60	0.14	0.07	2.19	0.06	4.44	16.9	85	1.19	82.8	2.6	6.21	0.12	0.08	<0.01
52161	0.016	0.16	3.09	32.2	<0.2	<10	50	0.1	0.4	2.95	0.07	3.95	28.3	235	1.49	117	4.07	9.16	0.13	0.04	<0.01
52162	0.002	0.1	3.41	7.3	<0.2	<10	420	0.17	0.2	0.92	0.05	14.8	26.2	123	5.52	83.4	4.78	11.55	0.14	0.02	0.02
52163	0.003	0.09	3.42	32.5	<0.2	<10	250	0.17	0.12	1.71	0.05	7.98	19.1	172	2.01	96.6	3.62	8.15	0.12	0.03	<0.01
52164	0.003	0.08	1.87	53.7	<0.2	<10	40	0.13	0.07	1.2	0.04	5.24	19.5	138	1.14	108.5	2.37	6.03	0.12	0.03	<0.01
52165	0.003	0.06	2.79	66.8	<0.2	<10	20	0.15	0.08	2.82	0.04	3.73	26.6	183	2.06	75	3.36	8.96	0.13	0.06	0.01
52166	0.005	0.09	2.87	24.7	<0.2	<10	140	0.21	0.11	1.83	0.06	7.91	22.6	162	4.05	95.7	3.51	9.84	0.13	0.04	0.01
52167	0.004	0.06	2.3	31.4	<0.2	<10	30	0.14	0.07	2.02	0.04	2.45	16.6	135	2.69	57.8	2.66	5.52	0.1	0.05	<0.01
52168	0.015	0.11	2.53	43.5	<0.2	<10	110	0.19	0.13	1.66	0.04	4.16	21.5	171	2.71	66.2	2.75	7.66	0.11	0.04	<0.01
52169	0.006	0.1	3.17	16.7	<0.2	<10	490	0.19	0.13	1.06	0.06	10.8	25.8	171	5.37	95.4	4.2	12.3	0.19	0.03	<0.01
52170	0.009	0.11	2.32	25.9	<0.2	<10	340	0.13	0.11	1.76	0.06	6.97	25.3	132	4.07	95.8	3.42	7.61	0.19	0.05	<0.01
52171	0.006	0.11	1.94	19.2	<0.2	<10	120	0.11	0.06	1.41	0.04	3.73	22.5	165	4.48	121	2.81	5.78	0.15	0.05	<0.01
52172	0.006	0.08	1.46	22.2	<0.2	<10	80	0.08	0.06	1.05	0.06	3.09	19.1	133	2.15	138.5	2.19	4.47	0.14	0.04	<0.01
52173	0.005	0.05	2.35	19.3	<0.2	<10	260	0.15	0.08	2.38	0.03	5.76	25	132	4.76	88.8	3.53	8.15	0.14	0.05	0.01
52174	0.001	0.05	1.43	2.2	<0.2	<10	10	0.08	0.02	2.15	0.06	3.59	18.4	106	0.4	80.3	2.55	4.91	0.15	0.09	<0.01
52175	0.002	0.05	2.02	1.6	<0.2	<10	70	0.09	0.04	2.7	0.06	2.94	18.1	104	2.38	70	2.73	5.4	0.16	0.07	0.01
52176	0.002	0.06	2.19	4	<0.2	<10	390	0.12	0.05	1.35	0.04	6.92	24.5	116	5.07	97.7	3.22	7.46	0.17	0.05	0.01
52177	0.002	0.06	2.2	1.5	<0.2	<10	120	0.12	0.04	4.32	0.09	4	21.3	86	3.39	91.8	3.7	7.68	0.18	0.1	0.01
52178	0.002	0.05	1.9	1.3	<0.2	<10	50	0.13	0.03	5.11	0.1	2.66	17.1	50	1.87	56.1	3.16	6.48	0.14	0.11	0.02
52179	0.002	0.04	1.84	1.2	<0.2	<10	<10	0.11	0.04	4.31	0.1	2.42	16.9	41	0.85	50.3	3.21	5.84	0.13	0.13	0.02
ST-4	0.001	0.02	6.14	<0.1	<0.2	<10	10	0.14	<0.01	3.85	0.02	7.11	13.8	226	<0.05	31.1	3.92	11.65	0.1	0.03	<0.01
52180	0.002	0.06	1.48	0.4	<0.2	<10	30	0.07	0.01	5.68	0.12	2.16	13.3	46	2.02	74.3	2.82	4.72	0.14	0.09	<0.01
52181	0.003	0.09	2.02	1	<0.2	<10	20	0.11	0.06	4.79	0.13	2.26	21.2	44	2.55	111	3.35	6.59	0.16	0.12	0.01
52182	0.001	0.06	2.13	0.7	<0.2	<10	10	0.14	0.03	4.86	0.11	2.14	19.9	66	0.93	72.5	3.5	7.04	0.17	0.12	0.01
52183	0.001	0.04	1.56	0.9	<0.2	<10	10	0.12	0.04	4.47	0.12	2.87	16.6	26	0.41	56.6	3.08	5.26	0.16	0.18	<0.01
52184	0.001	0.08	2.2	34.1	<0.2	<10	200	0.15	0.1	1.96	0.08	12.35	15.2	41	2.5	40.9	3.35	8.94	0.1	0.05	<0.01
52185	0.003	0.05	2.12	99.9	<0.2	<10	270	0.26	0.05	2.22	0.07	14.9	11.6	38	2.67	18.5	2.9	8.51	0.08	<0.02	0.01
52186	0.001	0.05	2.22	11.9	<0.2	<10	440	0.12	0.07	0.75	0.05	9.43	12.1	41	2.3	21.7	3.05	8.74	0.1	<0.02	<0.01
52187	0.001	0.1	2.12	8.8	<0.2	<10	300	0.14	0.18	1.04	0.07	13.9	13.7	37	2.84	34.5	3.33	7.91	0.09	<0.02	<0.01
52188	0.002	0.06	1.93	13.1	<0.2	<10	150	0.08	0.06	2.88	0.05	5.06	16.7	67	1.46	58.5	2.57	5.83	0.12	0.06	<0.01
52189	0.009	0.03	1.42	0.3	<0.2	<10	<10	0.07	<0.01	3.18	0.05	2.46	11.7	72	0.33	76.6	1.68	3.55	0.11	0.07	<0.01
52190	0.003	0.03	1.55	0.8	<0.2	<10	<10	0.08	0.01	3.62	0.05	2.2	13.3	65	0.71	76.3	1.7	3.95	0.13	0.08	<0.01
52191	0.002	0.09	1.73	1.8	<0.2	<10	20	0.08	0.05	2.43	0.1	2.2	22.2	89	1.2	213	2.8	4.63	0.15	0.08	0.01
52192	0.002	0.05	3.26	0.7	<0.2	<10	10	0.09	0.04	3.69	0.05	1.3	14.2	85	1.54	55.8	1.82	5.48	0.13	0.06	<0.01
52193	0.001	0.07	2.32	1.2	<0.2	<10	10	0.08	0.02	3.38	0.08	1.88	15.9	87	0.93	65.5	2.06	5.11	0.13	0.07	<0.01
52194	0.001	0.08	2.28	0.4	<0.2	<10	<10	0.08	0.01	2.95	0.1	1.67	17.2	106	0.41	77.7	2.46	5.52	0.12	0.07	<0.01
52195	<0.001	0.02	1.6	0.2	<0.2	<10	<10	0.07	<0.01	1.91	0.03	1.94	12.4	68	0.2	77.2	1.54	3.05	0.1	0.07	<0.01
52196	<0.001	0.03	1.69	0.1	<0.2	<10	<10	0.06	<0.01	2.45	0.03	2.02	12.8	61	0.21	95.7	1.54	3.43	0.14	0.08	<0.01
52197	<0.001	0.03	1.24	0.2	<0.2	<10	<10	0.06	0.01	2.74	0.04	2.26	12	57	0.21	71	1.42	3.07	0.11	0.08	<0.01
52198	<0.001	0.04	1.79	0.6	<0.2	<10	<10	0.06	0.01	1.94	0.03	2.08	14	74	0.76	96.6	1.64	3.47	0.11	0.06	<0.01
52199	0.001	0.07	1.38	1.4	<0.2	<10	10	0.06	0.01	2.11	0.05	2.33	10.2	67	0.32	109	1.5	3.14	0.1	0.07	<0.01
ST-5	0.002	0.03	5.87	0.1	<0.2	<10	<10	0.11	<0.01	3.53	0.02	5.21	18.8	221	<0.05	71.4	4.08	10.8	0.12	0.03	0.01
52200	0.001	0.04	2.06	2.6	<0.2	<10	10	0.08	0.01	3.13	0.08	1.99	15.8	104	1.01	32.8	2.35	5.38	0.11	0.07	<0.01
52201	0.002	0.13	1.09	0.5	<0.2	<10	10	0.05	0.02	1.73	0.06	2.25	11.1	60	0.34	157	1.52	3.04	0.1	0.07	<0.01
52202	0.001	0.06	1.14	0.6	<0.2	<10	10	0.05	0.01	1.58	0.04	2.45	9	61	0.29	90.5	1.28	2.76	0.1	0.07	<0.01
52203	<0.001	0.09	2.05	4.3	<0.2	<10	<10	0.08	0.01	2.89	0.09	2.1	17.6	99	1.31	90.3	2.21	4.94	0.13	0.08	0.01
52204	<0.001	0.03	1.9	1	<0.2	<10	20	0.09	0.01	2.56	0.05	2.59	13.6	57	0.66	76.9	1.6	4.18	0.13	0.06	<0.01
52205	0.001	0.05	1.8	0.3	<0.2	<10	10	0.07	0.01	2.45	0.05	2.11	10.5	59	0.76	78.5	1.4	3.8	0.13	0.06	<0.01
52206	0.001	0.09	1.56	0.4	<0.2	<10	20	<0.05	0.02	1.5	0.06	1.84	12.3	66	1.38	134	1.57	3.47	0.12	0.06	<0.01
52207	0.001	0.07	1.81	0.5	<0.2	<10	50	0.08	0.03	1.83	0.05	2.6	11.1	66	1.15	102.5	1.34	3.69	0.1	0.06	<0.01
52208	0.003	0.33	1.03	1.5	<0.2	<10	70	<0.05	0.05	0.79	0.21	5.16	12.6	50	0.99	391	1.55	3.74	0.08	0.05	<0.01
52209	<0.001	0.06	1.93	1.8	<0.2	<10	90	0.05	0.01	1.96	0.07	2.78	14.9	89	1.55	68.8	2.29	6.72	0.12	0.05	<0.01
52210	0.001	0.04	1.59	0.5	<0.2	<10	70	0.05	0.02	1.63	0.04	2.78	10.8	73	1.17	66.1	1.85	4.43	0.1	0.05	<0.01
52211	0.002	0.15	2.54	14.1	<0.2	<10	10	0.09	0.02	3.46	0.18	1.78	21.5	138	2.19	87	3.26	7.38	0.14	0.06	<0.01
52212	0.001	0.09	4.06	2	<0.2	<10	20	0.28	0.01	5.42	0.07	1.41	19.1	97	1.59	70.4	2.43	5.48	0.06	0.06	0.04
52213	<0.001	0.02	1.72	0.3	<0.2	<10	<10	0.05	0.01	1.76	0.03	1.87	12.1	54	0.33	77.7	1.36	3.15	0.1	0.06	<0.01
52214	<0.001	0.1	1.51	0.1	<0.2	<10	10	0.08	<0.01	2	0.05	2.4	12	70	0.22	84.4	1.43	3.24	0.11	0.07	<0.01
52215	0.001	0.03	1.24	0.3	<0.2	<10	20	<0.05	<0.01	3.95	0.06	0.88	11.2	75	1.44	93.9	1.5	2.45	0.08	0.08	<0.01
52216	<0.001	0.03	1.52	0.4	<0.2	<10	10	0.07	<0.01	1.97	0.04	1.65	15.2	79	0.75	95.7	1.71	3.72	0.12	0.08	<0.01
52217	<0.001	0.02	2.13	0.3	<0.2	<10	40	0.14	<0.01	2.04	0.04	3.4	14.7	78	1.11	67	1.97	4.61	0.1	0.07	<0.01
52218	<0.001	0.02	1.79	0.5	<0.2	<10	50	0.1	<0.01	1.83	0.03	2.56	12.8	69	0.97	57.7	1.88	3.68	0.09	0.06	<0.01
52219	<0.001	0.02	3.47	0.2	<0.2	<10	30	0.26	0.01	3.66	0.03	2.46	12.9	70	1.15	51.8	1.75	4.67	0.05	0.05	0.01
ST-6	<0.001	0.01	5.58	<0.1	<0.2	<10	10	0.12	<0.01	3.38	0.01	5.29	12.6	209	<0.05	41.5	3.92	9.76	0.09	0.02	<0.01
52220	<0.001	0.03	3.1	0.3	<0.2	<10	40	0.21	<0.01	2.71	0.03	2.13	11.7	59	1.04	64.5	1.5	4.5	0.05	0.05	<0.01
52221	0.001	0.03	1.65	0.9	<0.2	<10	10	0.12	0.01	3.58	0.05	1.49	16.5	64	0.42	91	2.13	3.83	0.09	0.09	0.01
52222	0.001	0.02	2.38	0.4	<0.2	<10	<10	0.06	<0.01	2.06	0.03	1.29	13.9	68	0.16	83.4	1.43	4.19	0.11	0.05	<0.01
52223	<0.001	0.02	2.62	0.5	<0.2	<10	<10	0.07	<0.01	2.49	0.03	1.37	14.8	68	0.22	75.2	1.46	4.48	0.11	0.05	<0.01
52224	<0.001	0.03	2.87	0.1	<0.2	<10	10	0.09	<0.01	2.75	0.05	1.05	12	69	0.56	73.3	1.4	4.89	0.12	0.05	<0.01
52225	0.001	0.03	1.79	0.3	<0.2	<10	10	<0.05	<0.01	3.61	0.06	0.72	11.9	70	0.92	77.3	1.42	3.48	0.1	0.07	<0.01
52226	0.001	0.02	2.27	0.7	<0.2	<10	50	<0.05	<0.01	3.64	0.06	0.68	24.4	108	2.8	72.5	2.62	4.19	0.13	0.06	<0.01
52227	<0.001	0.02	1.59	0.2	<0.2	<10	20	0.06	<0.01	2.91	0.04	1.22	16.2	78	1.54	69.9	1.78	3.38	0.09	0.07	<0.01
52228	0.001	0.02	2.01	0.4	<0.2	<10	10	0.08	<0.01	2.71	0.05	1.29	11.6	59	0.69	74.5	1.24	3.64	0.09	0.06	<0.01
52229	0.001	0.02	1.09	0.4	<0.2	<10	<10	<0.05	<0.01	3.24	0.04	0.9	10.6	56	0.42	81.2	1.37	2.01	0.07	0.06	<0.01
52230	0.001	0.03	0.84	0.2	<0.2	<10	10	<0.05	0.01	4.12	0.07	0.99	10.8	60	0.96	84.9	1.31	2.39	0.09	0.08	<0.01

	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
SAMPLE	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta
DESCRIPTION	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
52101	0.038	1.32	9.1	35	1.27	501	1.05	0.1	0.24	34.7	660	2.4	50.6	0.001	0.15	<0.05	11.2	0.6	0.9	14.2	<0.01
52102	0.018	0.11	0.4	9.8	0.78	425	0.33	0.3	0.11	23.5	690	3.3	7.4	0.001	0.11	<0.05	11.5	0.7	0.3	603	0.01
52103	0.01	0.1	0.3	6	0.7	252	0.56	0.38	0.09	15.9	360	4.3	8	0.001	0.01	<0.05	8.5	0.6	0.2	398	0.01
52104	0.034	1.3	14.2	43.9	1.35	462	1.01	0.11	0.3	30.4	980	4	63.1	<0.001	0.18	<0.05	8.3	0.7	1	59.6	<0.01
52105	0.05	1.52	7	47	1.78	455	1.35	0.23	0.2	66.1	810	3.9	62.7	0.001	0.24	<0.05	16.4	0.8	1.1	103	<0.01
52106	0.036	1.19	5.3	45.4	1.83	609	1.76	0.3	0.12	80.7	800	4.3	52.5	0.001	0.12	0.1	14	0.6	0.7	184.5	<0.01
52107	0.041	1.3	10.9	48.2	1.55	461	0.84	0.09	0.2	43.9	740	3.2	54.8	<0.001	0.24	0.08	11.3	0.8	0.8	15	<0.01
52108	0.034	0.66	9.8	54.1	1.33	646	0.88	0.07	0.11	38.3	740	6.4	29.1	<0.001	0.41	0.2	8.5	0.7	0.5	25.4	<0.01
52109	0.042	1.6	11.6	46.4	1.6	465	0.97	0.11	0.24	44.3	810	2.6	65.5	0.001	0.18	<0.05	12.1	0.7	1	13	<0.01
52110	0.029	0.71	1.6	24.3	1.26	934	0.56	0.35	0.13	55.3	940	6	31.3	<0.001	0.11	0.08	14.8	0.9	0.5	575	0.01
52111	0.045	1.8	7.8	44.8	1.83	495	1.38	0.23	0.22	64.4	820	2.3	65.2	0.001	0.15	0.06	16.9	0.8	1	142.5	<0.01
52112	0.034	1.09	3.8	30.3	1.46	859	1.88	0.24	0.15	69.9	1050	2.5	43.1	0.001	0.3	0.05	13.4	0.8	0.6	220	<0.01
52113	0.029	1.14	1.4	29.4	1.52	1160	1.2	0.33	0.06	67	870	4.8	49.1	0.001	0.02	<0.05	14.8	0.6	0.5	350	<0.01
52114	0.027	1.43	2.4	34.9	1.63	1150	0.64	0.34	0.09	61.5	900	4.8	61.2	0.001	0.05	<0.05	14.1	0.6	0.5	267	<0.01
52115	0.041	1.7	10.2	46.7	1.63	568	1.66	0.13	0.21	56.6	800	2.2	66.9	0.001	0.12	<0.05	14.3	0.7	1	97.7	<0.01
52116	0.039	1.47	9.5	47.2	1.48	626	1.77	0.08	0.2	51.5	770	2.9	62.5	0.001	0.26	<0.05	10.6	0.8	0.9	39.4	<0.01
52117	0.026	0.73	2.3	46.1	2.13	482	0.66	0.19	0.12	131	720	2	32.3	0.001	0.04	0.07	10.1	0.6	0.3	146.5	<0.01
52118	0.02	0.03	1	12.5	0.97	441	0.42	0.27	0.27	43.6	890	1.6	0.8	0.001	0.07	<0.05	10	0.7	0.4	233	0.01
52119	0.019	0.05	1.1	15.9	1.13	617	1.09	0.25	0.13	62.7	870	1.3	2.7	0.002	0.06	<0.05	8.7	0.6	0.3	116	0.01
ST-1	0.011	0.02	4.3	1.4	0.91	265	0.11	0.61	0.06	42.7	380	0.2	0.6	<0.001	0.01	<0.05	5.5	0.5	0.3	91.1	<0.01
52120	0.042	0.82	4.8	49.8	1.7	548	1.2	0.23	0.19	73.6	1050	1.5	37.3	0.001	0.14	<0.05	13.4	0.6	0.7	66.2	<0.01
52121	0.04	1.14	3.9	71.6	1.85	499	1.49	0.3	0.19	86.5	1030	2.8	49.5	<0.001	0.21	0.05	13.7	0.8	0.8	69.6	<0.01
52122	0.027	0.64	2.8	47.6	1.72	669	1.55	0.24	0.11	89.8	860	2.3	31.4	0.001	0.07	0.05	9.8	0.7	0.4	61.2	<0.01
52123	0.036	1.1	8.2	67.2	1.88	930	2.81	0.21	0.22	92.1	1040	2.3	47	0.001	0.21	<0.05	10.5	0.7	0.5	35.5	0.01
52124	0.024	0.82	4.8	43.1	1.51	745	2.05	0.23	0.56	85.9	1380	2.1	35.8	0.001	0.21	0.05	8.9	0.8	0.5	62.7	0.01
52125	0.036	1.37	4.9	57.8	1.77	582	1.27	0.22	0.54	89.3	1810	1.8	52.9	0.001	0.29	<0.05	11.8	0.8	0.7	52.7	0.01
52126	0.022	0.6	2.8	39	1.62	806	2.34	0.22	0.08	114	900	1.8	27.8	0.001	0.07	<0.05	7.4	0.6	0.3	69.6	<0.01
52127	0.054	1.54	7.3	75.1	2.04	371	1.28	0.2	0.43	79.4	1230	2.3	55.4	0.001	0.26	<0.05	16.9	0.8	1.1	92.9	0.01
52128	0.048	1.46	5.7	76.9	2.21	595	1.78	0.23	0.22	95	1100	2.6	53.5	0.001	0.09	<0.05	15.3	0.7	0.9	58.5	0.01
52129	0.051	0.41	3.1	35.4	1.15	1190	2.26	0.23	0.22	57.6	1500	3	18.5	0.001	0.7	0.26	18.2	1	0.7	89	0.01
52130	0.03	0.24	1	31	1.21	481	0.33	0.22	0.14	31.6	890	0.8	12.2	0.001	0.06	0.05	14.7	0.6	0.4	80.3	0.01
52131	0.042	0.84	4.4	53.9	1.46	356	1	0.22	0.37	62.3	1580	0.9	41.2	0.001	0.22	<0.05	14.5	0.7	0.8	52.2	0.01
52132	0.028	0.41	4.3	32.2	1.63	972	2.75	0.22	0.16	108	1020	3	19.7	0.001	0.14	0.05	7.8	0.7	0.4	87.9	<0.01
52133	0.036	1.39	7.2	69.6	1.99	776	1.29	0.13	0.3	99.2	1380	3.6	53.4	0.001	0.23	<0.05	12.2	0.7	0.7	30.9	<0.01
52134	0.046	1.37	8	66.8	2.23	478	0.94	0.13	0.23	90.6	1110	1.8	52.7	0.001	0.13	<0.05	15.1	0.7	0.9	36.6	<0.01
52135	0.023	0.55	0.7	49.3	2.49	485	0.45	0.17	0.08	123.5	570	2.2	26.3	<0.001	0.02	0.06	8.6	0.6	0.3	48.8	<0.01
52136	0.026	0.5	1.5	53.4	2.54	559	0.63	0.15	0.1	113.5	730	2.3	23.6	0.001	0.03	0.05	10.9	0.2	0.3	49.4	<0.01
52137	0.054	1.57	8	76	2	892	1.86	0.15	0.28	85.9	1180	3	66.8	0.001	0.21	<0.05	14.5	0.5	1	41.6	0.01
52138	0.03	0.52	3.5	41.7	2.08	1370	3.57	0.16	0.2	96.8	970	4.9	23.7	0.001	0.04	<0.05	8.8	0.3	0.4	31	0.01
52139	0.022	0.27	1.5	34.6	2.17	743	1.78	0.14	0.15	95.5	580	2.9	13.2	0.001	0.02	<0.05	9.2	0.2	0.3	29.7	0.01
ST-2	0.009	0.03	3.1	1.6	0.87	260	0.18	0.59	0.11	34.3	510	0.2	0.7	<0.001	0.01	<0.05	5.1	0.2	0.2	69.6	<0.01
52140	0.029	0.59	2.5	46.2	2.44	1070	2.28	0.15	0.17	120.5	880	3.9	26.6	0.001	0.06	0.06	10	0.3	0.3	25.3	0.01
52141	0.026	0.55	3	37.1	1.71	787	2.14	0.16	0.15	85	920	2.6	23.5	0.001	0.11	0.06	8.1	0.3	0.4	17.2	<0.01
52142	0.03	0.52	3.3	37.2	1.56	898	2.89	0.17	0.14	79.8	1000	2.1	20.6	0.001	0.13	0.08	8.2	0.4	0.4	19.5	<0.01
52143	0.024	0.05	0.8	11	0.94	462	0.4	0.18	0.18	36.6	790	1	0.7	0.001	0.16	0.22	11.3	0.6	0.4	34.9	0.01
52144	0.032	0.06	0.8	20.6	1.28	694	0.4	0.21	0.11	30.7	880	0.9	0.8	0.001	0.09	0.15	13.6	0.5	0.5	91.4	0.01
52145	0.041	0.17	1.9	44.3	1.47	1900	0.53	0.27	0.08	48.1	1450	2.7	10	0.001	0.06	0.11	16.1	0.5	0.5	138.5	0.01
52146	0.04	0.49	3.4	37.2	1.32	2630	2.1	0.2	0.26	69.8	1510	5.4	24.5	0.001	0.16	0.08	11.8	0.5	0.5	127.5	0.01
52147	0.039	0.75	5.9	33.1	1.3	3330	4.58	0.17	0.4	80.1	1760	4.5	34.9	0.001	0.56	0.07	10	0.7	0.5	56.5	0.01
52148	0.03	0.67	3.9	46.3	1.35	1140	2.73	0.2	0.19	57.5	950	2.6	28.8	0.001	0.08	0.08	10.5	0.5	0.5	46.9	0.01
52149	0.037	0.98	4.5	55.9	1.61	1560	3.9	0.18	0.2	73.3	1190	3	38.7	0.001	0.08	0.06	11.3	0.4	0.5	44.8	0.01
52150	0.036	1.15	5.4	72.3	1.95	1040	3.06	0.15	0.22	94	1060	2.5	45.9	<0.001	0.12	<0.05	10.1	0.4	0.6	21.3	<0.01
52151	0.026	0.42	1.9	27.2	1.1	1340	2.06	0.19	0.22	46.7	1400	2.3	17.7	0.001	0.15	<0.05	11	0.4	0.5	52.8	0.01
52152	0.029	0.17	0.6	12.5	0.99	702	0.25	0.23	0.24	16.7	870	0.5	5.8	<0.001	0.02	0.12	13.4	0.4	0.4	24.7	0.01
52153	0.028	0.14	0.8	17.2	1	758	1.13	0.2	0.19	25.4	1140	1	6.5	0.001	0.08	0.05	14	0.5	0.4	49.4	0.01
52154	0.026	0.07	0.6	10.8	1.08	545	0.16	0.2	0.18	17.8	850	1.3	2	<0.001	0.04	<0.05	14.3	0.4	0.4	40	0.01
52155	0.035	0.07	3.9	32.5	1.72	859	0.46	0.16	0.08	60.6	730	3.8	3.5	<0.001	0.01	0.11	14.4	0.5	0.5	55.2	0.01
52156	0.054	0.57	9.2	46.4	2.45	915	0.84	0.09	0.09	112	830	8.5	25.4	0.001	0.02	0.2	17.1	0.5	0.6	39.9	<0.01
52157	0.044	0.88	4.9	49.8	1.87	862	1.22	0.17	0.13	83.5	970	3.1	35.3	0.001	0.04	0.07	14.1	0.5	0.8	65.3	<0.01
52158	0.041	0.53	2.4	29.2	1.13	876	0.87	0.19	0.15	49.6	1190	3.3	23.5	0.001	0.28	0.05	15.5	0.8	0.6	38.9	0.01
52159	0.023	0.13	0.8	14.7	0.96	438	0.43	0.17	0.14	29.7	820	2	6	0.001	0.03	<0.05	10.7	0.4	0.3	35.2	<0.01
ST-3	0.008	0.01	3	1.2	1.21	366	0.14	0.66	0.09	33.8	360	0.6	0.3	0.001	<0.01	<0.05	3.5	0.3	<0.2	63.1	<0.01
52160	0.027	0.21	1.8	22.6	1.13	372	0.61	0.19	0.2	35	910	1.7	10.9	0.001	0.06	<0.05	11	0.5	0.4	54.4	0.01
52161	0.034	0.25	2	56.3	2.82	871	2.09	0.1	0.11	134.5	680	4.2	11.9	0.001	0.05	0.05	9.3	0.4	0.3	45.5	<0.01
52162	0.051	1.65	7.6	78.1	2.04	612	1.83	0.1	0.28	82.9	1330	4.2	71.7	0.001	0.19	<0.05	14.3	0.6	0.9	22.7	<0.01
52163	0.027	0.76	3.6	42.6	2.16	472	0.78	0.19	0.13	95.2	800	2.7	25.5	0.001	0.1	<0.05	9.7	0.3	0.6	83.3	<0.01
52164	0.022	0.24	2.3	29.6	1.43	290	1.16	0.18	0.1	97.4	880	1.7	9.9	<0.001	0.07	<0.05	6.8	0.3	0.3	46.4	<0.01
52165	0.022	0.1	1.5	51.8	2.18	474	0.72	0.15	0.17	107	680	3.3	4.7	0.001	0.02	0.05	10.4	0.3	0.5	78.1	0.01
52166	0.027	0.43	3.5	66.7	2.31	523	1.05	0.16	0.16	93	940	5.7	17.6	0.001	0.03	<0.05	11.8	0.3	0.4	54.2	0.01
52167	0.018	0.1	1	22.7	1.73	414	0.54	0.21	0.09	64.9	680	3.4	3.5	<0.001	0.03	<0.05	8.7	0.2	0.3	143.5	<0.01
52168	0.018	0.36	1.9	39	1.83	411	0.82	0.2	0.11	96.6	710	3.8	14.7	0.001	0.02	<0.05	8.6	0.2	0.3	80.9	<0.01
52169	0.04	1.22	6.3	76.6	2.24	1120	2.2	0.14	0.21	109.5	1180	4.8	50.7	0.001	0.12	<0.05	13.4	0.4	0.7	51.5	<0.01
52170	0.031	0.62	4.4	42.6	1.69	1710	3.5	0.13	0.17	100.5	1210	5.2	26.2	0.001	0.11	0.05	8.1	0.4	0.4	70.9	0.01
52171	0.02	0.37	1.7	36.5	1.75	689	1.94	0.14	0.1	90.7	710	1.6	19.4	0.001	0.02	0.05	7.6	0.2	0.3	22.4	<0.01
52172	0.016	0.2	1.4	27.9	1.49	485	1.87	0.13	0.08	87.2	670	1.3	9.6	0.001	0.02	0.07	6.6	0.2	0.2	15.1	<0.01
52173	0.026	0.57	2.7	71.3	1.74	801	1.96	0.13	0.21	82.4	950	2.4	25.8	0.001	0.22	0.11	10.6	0.4	0.5	91.7	0.01
52174	0.023	0.05	1.2	26.8	1.3	476	1.79	0.15	0.1	62.2	710	0.9	1.8	0.002	0.13	0.11	9.9	0.4	0.3	41.6	<0.01
52175	0.021	0.28	1.4	33.8	1.3	1060	1.82	0.2	0.11	52	920	1.4	12.8	0.001	0.12	0.06	10.5	0.4	0.3	60.9	<0.01
52176	0.024	0.87	3.9	61.4	1.59	1040	3.34	0.14	0.15	79.5	940	2.4	33.6	0.001	0.13	0.1	8.8	0.4	0.4	26.9	<0.01
52177	0.031	0.45	2.2	53.1	1.49	1200	1.76	0.13	0.16	57.2	1190	3.8	16.7	0.001	0.29	0.29	12.7	0.5	0.4	57.5	0.01
52178	0.027	0.17	0.9	42.1	1.18	812	1.36	0.16	0.12	25.6	750	1.5	7	0.001	0.26	0.1	13.4	0.4	0.4	88.6	0.01
52179	0.032	0.05	0.6	31.1	1.11	679	0.1	0.19	0.15	22.4	810	1.4	1.1	<0.001	0.19	0.12	13.5	0.4	0.7	58.7	0.01
ST-4	0.007	0.02	3.3	1.3	0.9	258	0.11	0.77	0.09	35.5	430	0.2	0.2	<0.001	0.01	<0.05	4.2	<0.2	<0.2	84.8	<0.01
52180	0.024	0.15	0.6	20.5	1.1	672	0.55	0.15	0.13	19.8	1000	0.6	7.1	0.001	0.07	<0.05	10.7	0.3	0.3	47.4	0.01
52181	0.024	0.13	0.6	32.2	1.24	649	0.47	0.18	0.19	28.4	850	0.9	8.7	0.001	0.29	0.06	12.4	0.7	0.5	66.1	0.01
52182	0.033	0.07	0.6	35.6	1.28	653	0.72	0.21	0.16	29.8	930	0.8	2.2	0.001	0.08	0.05	15.4	0.5	0.4	68.1	0.01
52183	0.031	0.07	0.7	9	1.08	562	0.37	0.24	0.24	19.4	1050	0.6	0.9	<0.001	0.14	<0.05	13.9	0.5	0.5	105.5	0.01
52184	0.03	0.76	5.8	54.8	1.34	621	1.79	0.11	0.16	25.8	880	4.5	26.5	0.002	0.23	0.05	10.3	0.4	0.6	40.3	<0.01
52185	0.03	0.82	7.2	52.6	1.23	563	0.5	0.07	0.17	18.9	530	3	29.1	0.001	0.06	0.09	7.9	0.3	0.6	31.3	<0.01
52186	0.027	1.35	4.6	37.1	1.26	503	0.69	0.09	0.18	20.1	580	1.9	45.7	<0.001	0.11	<0.05	9.7	0.2	0.7	15.7	<0.01
52187	0.023	1.17	6.5	41.2	1.19	552	1.34	0.07	0.18	25	690	5.7	44.3	0.001	0.42	0.07	7.4	0.5	0.6	19.6	<0.01
52188	0.021	0.58	2.1	25.2	1.11	615	1.51	0.2	0.17	38.3	680	0.9	20.9	0.001	0.17	0.06	9.8	0.4	0.4	50.1	<0.01
52189	0.017	0.03	0.6	9.9	0.88	388	0.32	0.24	0.23	22.2	640	0.2	0.5	0.001	0.05	0.14	10.3	0.3	0.2	39	0.01
52190	0.015	0.03	0.5	9.5	0.85	400	0.21	0.23	0.25	23.6	570	0.2	0.6	<0.001	0.06	0.1	11.3	0.4	0.2	63.9	0.01
52191	0.019	0.21	0.6	18.2	0.96	419	0.32	0.21	0.24	49.1	770	0.3	6.7	0.001	0.37	<0.05	12	0.7	0.4	26.8	0.01
52192	0.013	0.16	0.3	19.4	1.03	337	0.2	0.38	0.09	37.1	340	0.5	6.2	0.001	0.06	0.05	9.4	0.3	0.2	85.1	0.01
52193	0.015	0.08	0.4	22.7	1.31	393	0.4	0.26	0.24	38.4	560	0.5	3.3	0.001	0.06	0.06	10.8	0.4	0.3	59	0.01
52194	0.017	0.03	0.4	29.5	1.64	433	0.27	0.19	0.11	37	480	0.4	1	0.001	0.04	0.07	9.5	0.3	0.4	37.4	0.01
52195	0.011	0.02	0.4	8.6	0.9	243	0.24	0.28	0.13	28.5	530	0.2	0.3	0.001	0.13	0.2	8.2	0.4	0.2	31	0.01
52196	0.013	0.02	0.4	11.9	0.89	278	0.22	0.29	0.13	27.2	480	0.2	0.2	0.001	0.12	0.16	9.2	0.4	0.2	36.6	0.01
52197	0.013	0.02	0.5	7.6	0.77	305	0.17	0.23	0.16	27.5	480	0.2	0.2	0.001	0.09	0.17	8.8	0.4	0.2	26.5	<0.01
52198	0.013	0.02	0.5	12.8	1	246	0.25	0.32	0.11	37.9	540	0.2	0.5	0.001	0.14	0.17	8.1	0.4	0.2	34	0.01
52199	0.012	0.04	0.5	14	0.97	282	0.46	0.21	0.15	26.4	520	0.3	1.7	0.001	0.02	0.09	7.6	0.3	0.2	21.4	<0.01
ST-5	0.007	0.01	2.4	1.5	1.45	345	0.14	0.57	0.1	60.6	380	0.2	0.2	<0.001	0.01	<0.05	4.1	0.2	<0.2	69	<0.01
52200	0.018	0.09	0.5	40	1.61	432	0.48	0.15	0.11	36.1	550	2.1	5	0.001	0.01	<0.05	10.5	0.3	0.3	36	<0.01
52201	0.014	0.06	0.5	12.7	0.94	258	0.31	0.17	0.1	24	460	0.5	2.6	0.001	0.04	<0.05	8.1	0.3	0.2	13.1	<0.01
52202	0.012	0.05	0.5	9.6	0.85	219	0.28	0.2	0.13	25	470	0.4	1.9	0.001	0.01	0.06	7.4	0.3	0.2	16.2	<0.01
52203	0.02	0.08	0.4	34.5	1.5	364	0.33	0.24	0.05	36.9	410	0.7	5.4	0.001	0.11	0.15	11.4	0.4	0.2	43.1	<0.01
52204	0.014	0.1	0.8	16	0.94	270	0.52	0.25	0.32	32.3	900	0.6	5.2	0.001	0.11	0.12	8.1	0.3	0.3	45	0.01
52205	0.013	0.1	0.6	16	0.9	256	0.36	0.27	0.31	25.8	610	0.4	4.8	<0.001	0.03	0.07	7.9	0.3	0.2	59.7	0.01
52206	0.013	0.17	0.4	30.9	1.01	226	0.28	0.26	0.14	30.8	540	0.3	9.4	0.001	0.04	0.06	7.4	0.3	0.2	30.7	<0.01
52207	0.011	0.23	0.9	27.5	0.93	219	0.53	0.29	0.14	37.2	310	0.5	10	0.001	0.03	0.07	6.4	0.3	0.2	53.9	0.01
52208	0.018	0.21	2.4	29.2	0.79	183	2.5	0.1	0.29	65.4	60	0.4	9.5	0.002	0.11	<0.05	3.7	0.4	0.2	11.9	0.01
52209	0.019	0.4	1	45.9	1.35	344	0.46	0.16	0.11	43.1	420	0.4	15.3	0.001	0.05	0.07	7.5	0.2	0.4	34.1	<0.01
52210	0.013	0.3	1	29.2	1.2	257	0.41	0.18	0.11	29	580	0.3	11.4	0.001	0.04	0.05	7	0.3	0.3	27.4	<0.01
52211	0.031	0.12	0.5	64.3	2.5	508	0.28	0.12	0.09	40.8	490	2.7	10.3	0.001	0.03	0.15	18.9	0.3	0.3	44.9	<0.01
52212	0.021	0.07	0.4	38.8	1.03	387	0.17	0.44	0.15	50	410	0.9	2.5	0.001	1.2	3.01	13.8	0.6	0.4	442	<0.01
52213	0.011	0.03	0.4	9.3	0.83	208	0.23	0.29	0.12	28.5	430	<0.2	0.6	0.001	0.12	0.26	8	0.3	0.2	55.4	<0.01
52214	0.013	0.04	0.6	9.2	0.94	252	0.27	0.27	0.17	34.6	440	0.6	1.6	0.001	0.07	0.28	9	0.3	0.2	37	0.01
52215	0.01	0.13	0.2	17.5	0.93	480	0.1	0.21	0.17	26.3	470	0.2	8.4	<0.001	0.07	0.35	7.5	0.3	0.2	43.5	<0.01
52216	0.013	0.08	0.4	18.2	1.05	284	0.2	0.26	0.17	34.6	490	<0.2	3.8	0.001	0.11	0.32	9.6	0.5	0.2	35.3	0.01
52217	0.015	0.22	1	36.8	1.36	279	0.54	0.31	0.3	44.5	990	0.2	6.3	0.001	0.07	0.3	8.8	0.3	0.3	60.7	0.01
52218	0.012	0.23	0.8	25.9	1.31	255	0.42	0.26	0.22	38.9	1050	0.2	5.9	0.001	0.09	0.23	7.3	0.2	0.2	48.5	0.01
52219	0.015	0.13	0.7	36.9	1.17	264	0.4	0.5	0.37	42.4	840	0.4	4.5	0.001	0.13	0.33	9.1	0.3	0.3	170	0.01
ST-6	0.008	0.02	2.7	1.1	0.99	290	0.12	0.84	0.08	24.1	390	<0.2	0.2	<0.001	<0.01	<0.05	3.6	<0.2	<0.2	78.2	<0.01
52220	0.012	0.14	0.6	34.6	1.07	253	0.41	0.49	0.34	35.7	800	0.4	5.9	<0.001	0.04	0.44	8.2	0.2	0.2	216	0.01
52221	0.018	0.04	0.4	22.4	1.04	351	0.11	0.28	0.12	28.7	510	0.3	1.3	0.001	0.48	0.5	11.6	0.5	0.4	107	0.01
52222	0.011	0.03	0.3	15.6	0.95	215	0.16	0.38	0.13	40.3	420	<0.2	1.1	<0.001	0.12	0.2	7.6	0.3	0.2	33.3	0.01
52223	0.011	0.04	0.3	13.8	0.91	246	0.24	0.42	0.17	43.7	430	0.2	1.1	0.001	0.14	0.22	8.1	0.3	0.2	36.1	0.01
52224	0.012	0.07	0.2	11.6	0.8	232	0.14	0.42	0.16	33.3	520	0.3	4.7	0.001	0.08	0.2	8.2	0.2	0.2	75	0.01
52225	0.008	0.15	0.2	24.8	0.85	336	0.11	0.24	0.22	32.5	460	<0.2	5.7	<0.001	0.03	0.29	6.8	0.2	0.2	57.8	<0.01
52226	0.008	0.94	0.2	57.5	1.3	502	0.11	0.16	0.09	64.3	640	<0.2	25.8	<0.001	0.04	0.21	7.4	0.3	0.2	41.5	<0.01
52227	0.011	0.25	0.3	25.7	0.92	330	0.22	0.2	0.22	46.1	630	0.2	10.1	<0.001	0.14	0.25	7.8	0.3	0.2	49.7	<0.01
52228	0.009	0.12	0.3	15.4	0.76	249	0.2	0.31	0.31	38.9	570	0.2	6.6	0.001	0.08	0.36	7.1	0.3	0.2	47.1	0.01
52229	0.007	0.06	0.2	11.6	0.65	323	0.18	0.16	0.34	27.2	560	<0.2	2.5	<0.001	0.15	0.34	5.3	0.2	0.2	30.5	<0.01
52230	0.011	0.11	0.3	17.8	0.65	352	0.12	0.11	0.39	20.7	520	0.2	6.2	<0.001	0.05	0.31	7.2	0.3	0.2	40.4	<0.01

	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
SAMPLE	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr
DESCRIPTION	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
52101	0.05	3.3	0.226	0.33	0.5	107	0.19	4.81	79	<0.5
52102	0.03	<0.2	0.242	0.06	<0.05	77	0.62	10.4	30	1.2
52103	0.01	<0.2	0.249	0.06	<0.05	48	0.75	8.98	14	1.3
52104	0.04	5.4	0.199	0.43	0.94	81	0.21	5.96	94	<0.5
52105	0.05	2.7	0.258	0.44	0.48	155	0.4	7.18	89	<0.5
52106	0.02	1.7	0.243	0.42	0.32	130	0.27	8.45	77	0.6
52107	0.04	3.3	0.197	0.4	0.5	107	0.18	4.59	68	<0.5
52108	0.05	3	0.081	0.22	0.48	77	0.12	6.39	89	<0.5
52109	0.04	3.7	0.249	0.51	0.59	123	0.22	4.78	60	<0.5
52110	0.03	0.3	0.333	0.22	0.09	133	0.52	13.15	59	1.7
52111	0.03	2.8	0.288	0.5	0.65	162	0.18	6.73	101	<0.5
52112	0.05	1.1	0.264	0.31	0.26	144	0.26	9.51	83	0.8
52113	0.02	0.3	0.323	0.36	0.1	146	0.37	10.2	61	1.2
52114	0.03	0.6	0.353	0.46	0.13	140	0.3	9.58	69	1
52115	0.05	3.7	0.264	0.5	0.63	135	0.2	5.96	93	<0.5
52116	0.05	3.9	0.224	0.51	0.62	118	0.53	6.55	97	<0.5
52117	0.06	0.6	0.216	0.2	0.13	106	0.27	6.45	47	0.9
52118	0.01	<0.2	0.331	<0.02	0.06	71	0.83	10.95	23	1.9
52119	0.03	<0.2	0.24	0.02	0.06	71	0.35	9.28	26	1.1
ST-1	0.02	<0.2	0.131	<0.02	0.18	178	<0.05	4.06	16	0.9
52120	0.03	1.4	0.227	0.28	0.27	110	0.27	8.6	67	0.9
52121	0.04	1.1	0.225	0.39	0.25	118	0.21	7.12	72	<0.5
52122	0.03	0.7	0.219	0.24	0.19	97	0.27	8.63	54	0.7
52123	0.05	2.5	0.236	0.37	0.55	119	0.19	9	71	0.5
52124	0.06	0.9	0.296	0.29	0.24	102	1.54	8.04	61	1.1
52125	0.05	1.1	0.299	0.4	0.24	136	0.23	8.89	89	0.9
52126	0.04	0.6	0.18	0.21	0.15	77	0.13	5.82	41	0.6
52127	0.05	1.9	0.26	0.4	0.37	167	0.22	6.89	95	0.5
52128	0.05	1.7	0.258	0.41	0.37	147	0.21	7.13	86	<0.5
52129	0.05	0.6	0.352	0.22	0.18	164	0.53	18.15	83	2.2
52130	0.03	<0.2	0.299	0.1	<0.05	106	0.4	12.8	37	1.6
52131	0.03	1	0.281	0.38	0.18	134	0.39	11.65	68	1.1
52132	0.17	0.9	0.18	0.21	0.2	88	0.35	7.04	56	0.8
52133	0.07	2.2	0.243	0.43	0.37	120	0.26	7.5	80	<0.5
52134	0.07	2.8	0.24	0.42	0.5	139	0.21	6.14	84	0.6
52135	0.13	<0.2	0.219	0.22	<0.05	99	0.25	5.33	48	0.9
52136	0.04	0.5	0.213	0.19	0.11	123	0.49	6.47	62	0.8
52137	0.07	2.8	0.263	0.6	0.49	151	0.26	8.06	103	0.5
52138	0.07	1	0.242	0.25	0.2	104	0.31	7.49	64	1.1
52139	0.02	0.3	0.204	0.14	0.08	95	0.28	6.31	45	1
ST-2	0.01	0.2	0.173	<0.02	0.14	206	<0.05	6.04	21	1.4
52140	0.05	0.6	0.244	0.3	0.14	116	0.27	7.44	59	0.8
52141	0.07	0.9	0.188	0.27	0.19	95	0.2	6.42	57	0.6
52142	0.06	0.9	0.208	0.24	0.2	104	0.23	7.64	58	0.7
52143	0.03	<0.2	0.337	0.02	0.05	93	0.42	16.15	33	1.8
52144	0.01	<0.2	0.368	0.02	0.06	122	0.41	17.2	34	1.8
52145	0.02	<0.2	0.32	0.13	0.09	135	0.48	18.65	46	2.1
52146	0.09	0.4	0.317	0.28	0.18	130	0.51	15.55	72	1.8
52147	0.09	0.9	0.311	0.45	0.31	126	0.51	12.65	79	1.4
52148	0.07	1.1	0.284	0.33	0.28	111	0.33	12.45	53	1.3
52149	0.09	1.3	0.283	0.46	0.27	130	0.31	11.55	72	1.1
52150	0.09	1.8	0.277	0.54	0.34	121	0.27	8.93	71	0.8
52151	0.02	0.4	0.383	0.19	0.15	127	0.58	12.05	58	2.1
52152	0.02	<0.2	0.435	0.06	0.09	129	0.48	15.35	38	2.7
52153	0.03	<0.2	0.367	0.06	0.07	114	0.6	15.9	36	3.2
52154	0.03	<0.2	0.368	0.02	<0.05	103	0.97	14.15	31	2.6
52155	0.01	0.6	0.237	0.03	0.11	121	0.66	13.35	58	1.8
52156	0.04	2.5	0.115	0.23	0.38	139	0.29	11.05	98	0.5
52157	0.05	1.4	0.256	0.29	0.21	137	0.39	10.15	76	1
52158	0.04	0.6	0.303	0.23	0.12	137	0.48	14	69	1.9
52159	0.03	<0.2	0.247	0.05	<0.05	81	0.52	10.2	32	1.7
ST-3	0.02	<0.2	0.19	<0.02	0.12	191	<0.05	4.17	24	1.1
52160	0.02	0.3	0.241	0.09	0.07	95	0.58	10.3	39	1.5
52161	0.14	0.5	0.164	0.1	0.08	122	0.37	6.95	67	0.7
52162	0.06	2.5	0.248	0.63	0.39	137	0.38	7.91	90	<0.5
52163	0.04	1.5	0.188	0.2	0.29	112	0.48	5.31	50	0.5
52164	0.04	0.7	0.127	0.08	0.17	77	0.15	5.63	40	0.6
52165	0.05	0.5	0.182	0.04	0.1	102	3.91	7.7	49	1.2
52166	0.04	1.4	0.204	0.17	0.27	119	0.55	7.74	64	0.7
52167	0.02	0.2	0.174	0.07	0.05	82	0.4	5.2	36	0.9
52168	0.04	0.6	0.157	0.14	0.12	84	0.34	5.77	46	0.7
52169	0.04	2.1	0.254	0.5	0.39	167	0.34	9.24	97	0.6
52170	0.05	1.1	0.198	0.28	0.23	106	0.32	9.65	71	0.7
52171	0.04	0.4	0.203	0.23	0.1	82	0.23	6.63	41	0.9
52172	0.04	0.3	0.152	0.11	0.07	63	0.13	5.33	38	0.6
52173	0.05	0.8	0.246	0.29	0.17	119	0.41	9.53	62	0.9
52174	0.01	0.2	0.263	0.04	0.08	93	0.32	11.1	33	1.2
52175	0.03	0.3	0.248	0.13	0.09	88	0.36	10.3	40	1.1
52176	0.03	1.2	0.239	0.39	0.22	109	0.3	7.74	60	0.7
52177	0.02	0.4	0.298	0.19	0.12	140	0.55	13.35	57	1.6
52178	0.01	0.2	0.303	0.07	0.07	127	0.61	14.95	43	2
52179	0.01	<0.2	0.358	0.02	0.05	132	0.81	15	39	2.4
ST-4	0.01	<0.2	0.151	<0.02	0.16	217	<0.05	3.97	18	0.5
52180	<0.01	<0.2	0.295	0.06	0.05	121	0.37	13	35	1.2
52181	0.02	<0.2	0.381	0.08	0.07	128	0.9	14.65	41	1.9
52182	0.01	<0.2	0.366	0.02	0.07	140	0.67	15.35	46	2.1
52183	0.01	<0.2	0.451	0.02	0.1	125	0.7	17.05	38	3.1
52184	0.02	2.4	0.238	0.18	0.42	108	0.58	9.11	68	0.7
52185	0.08	2.5	0.172	0.19	0.41	82	0.28	8.07	64	<0.5
52186	<0.01	1.9	0.256	0.3	0.35	90	0.24	5.2	65	<0.5
52187	0.04	3.2	0.192	0.33	0.54	80	0.24	6.38	75	<0.5
52188	0.02	0.9	0.282	0.15	0.15	86	0.44	9.44	43	1.1
52189	<0.01	<0.2	0.273	<0.02	<0.05	67	0.27	11.4	17	1.1
52190	<0.01	<0.2	0.289	<0.02	<0.05	60	0.34	11.65	17	1.3
52191	0.03	<0.2	0.293	0.04	<0.05	83	0.66	10.15	27	1.5
52192	0.02	<0.2	0.244	0.04	<0.05	53	0.33	8.71	18	1
52193	0.01	<0.2	0.289	0.02	<0.05	63	0.46	10.25	22	1.3
52194	0.01	<0.2	0.253	<0.02	<0.05	75	0.47	8.86	27	1
52195	<0.01	<0.2	0.264	<0.02	<0.05	55	0.29	8.68	13	1.1
52196	<0.01	<0.2	0.254	<0.02	<0.05	54	0.3	9.41	13	1.1
52197	<0.01	<0.2	0.252	<0.02	<0.05	51	0.33	9.93	13	1.2
52198	0.01	<0.2	0.236	<0.02	<0.05	55	0.28	8.43	15	0.9
52199	0.03	<0.2	0.298	<0.02	<0.05	54	0.57	9.21	15	1.2
ST-5	0.02	<0.2	0.156	<0.02	0.12	175	<0.05	3.69	25	0.5
52200	0.01	<0.2	0.258	0.03	<0.05	81	0.64	8.48	26	1.1
52201	0.07	<0.2	0.27	0.02	<0.05	52	0.55	8.66	16	1.2
52202	0.02	<0.2	0.283	<0.02	<0.05	46	0.54	8.49	13	1.2
52203	0.02	<0.2	0.248	0.04	<0.05	74	0.42	10.25	23	1.3
52204	0.01	<0.2	0.2	0.03	<0.05	52	0.35	8.12	19	1.1
52205	0.01	<0.2	0.228	0.03	<0.05	46	0.51	8.25	14	1.1
52206	0.03	<0.2	0.238	0.06	<0.05	48	0.48	7.7	18	1.1
52207	0.03	0.2	0.212	0.06	0.07	41	0.45	6.62	13	1.1
52208	0.14	0.5	0.191	0.06	0.25	36	0.57	4.91	21	0.9
52209	0.01	0.2	0.234	0.1	0.06	71	0.34	7.53	32	0.9
52210	0.01	<0.2	0.236	0.08	<0.05	59	0.44	6.81	23	1
52211	0.01	<0.2	0.176	0.09	<0.05	121	0.34	9.77	40	1
52212	<0.01	<0.2	0.104	0.11	<0.05	75	0.18	7.77	29	0.8
52213	<0.01	<0.2	0.204	<0.02	<0.05	45	0.18	8.15	11	0.8
52214	<0.01	<0.2	0.254	<0.02	<0.05	51	0.19	9.45	13	1.2
52215	<0.01	<0.2	0.292	0.04	<0.05	52	0.23	7.82	15	1.2
52216	<0.01	<0.2	0.27	0.02	<0.05	59	0.22	9.69	16	1.2
52217	<0.01	<0.2	0.274	0.04	0.08	68	0.2	9	21	1.1
52218	<0.01	<0.2	0.246	0.04	0.06	61	0.16	7.06	20	0.9
52219	<0.01	<0.2	0.181	0.04	0.06	58	0.15	8.21	19	0.8
ST-6	0.01	<0.2	0.161	<0.02	0.15	210	<0.05	3.26	19	0.5
52220	<0.01	<0.2	0.158	0.04	0.06	48	0.17	7.49	15	0.8
52221	<0.01	<0.2	0.27	0.02	<0.05	71	0.24	11.05	20	1.4
52222	<0.01	<0.2	0.175	<0.02	<0.05	43	0.16	6.52	13	0.7
52223	<0.01	<0.2	0.194	<0.02	<0.05	44	0.17	7.35	12	0.9
52224	<0.01	<0.2	0.204	0.03	<0.05	46	0.21	7.84	15	1
52225	<0.01	<0.2	0.237	0.03	<0.05	44	0.28	6.37	17	1.2
52226	<0.01	<0.2	0.305	0.14	<0.05	63	0.31	5.06	46	1
52227	<0.01	<0.2	0.254	0.05	<0.05	54	0.25	7.17	19	1
52228	<0.01	<0.2	0.249	0.03	<0.05	43	0.23	7.34	12	1.1
52229	<0.01	<0.2	0.266	<0.02	<0.05	41	0.28	6.49	12	0.9
52230	<0.01	<0.2	0.279	0.03	<0.05	43	0.34	8.23	14	1.2

Valentine Mountain Project Drill Core Log and Sample Record

Date/Target:	**April, 2011 / BN Zone**			**Acid Tests:**	**Hole Number:**	**11-1**
Location:	**UTM NAD83 Zone 10N 430890E 5375091N 458 m. elevation uncorrected**			**none**	**Collar Azimuth:**	**210**
Total Length:	**850 feet = 259.08 metres**				**Collar Dip:**	**-50**

Sample No	From	To	Length	Description
52101	36	39	3	5% qtz 0.1-1.5 cm @49 degrees to ca, 1% diss & frac fill py, trace limonite
52102	72.5	76	3.5	6% qtz 0.1-3 cm @55-60 degrees to ca, 2% cal, 5% chl,1% diss & frac fill py, pyo
52103	76	81.2	5.2	6% qtz 0.1-1.5 cm @55-60 degrees to ca, 2% cal, 5% chl,1% diss & frac fill py, pyo
52104	128	133	5	2% qtz 0.1-1 cm @45-65 degrees to ca, 2% diss & frac fill py, broken ground (at 128-158)
52105	133	138	5	2% qtz 0.1-1 cm @45-65 degrees to ca, 2% diss & frac fill py, broken ground, wk fault zone
52106	138	143	5	2% qtz 0.1-1 cm @45-65 degrees to ca, 2% diss & frac fill py, broken ground
52107	143	148	5	2% qtz 0.1-1 cm @45-65 degrees to ca, 2% diss & frac fill py, broken ground, wk fault zone, minor clay
52108	148	153	5	2% qtz 0.1-1 cm @45-65 degrees to ca, 2% diss & frac fill py, broken ground, wk fault zone, minor clay
52109	153	158	5	2% qtz 0.1-1 cm @45-65 degrees to ca, 2% diss & frac fill py, broken ground
52110	180.2	184.8	4.6	6% qtz 0.1-2 cm @30-60 degrees to ca, 2% cal, 4% chl,1% diss & frac fill py, pyo
52111	184.8	188.7	3.9	2% qtz 0.1-1 cm @45-65 degrees to ca, 2% diss & frac fill py, broken ground
52112	188.7	193.7	5	2% qtz 0.1-1 cm @45-65 degrees to ca, 2% diss & frac fill py, broken ground
52113	193.7	197	3.3	2% qtz 0.1-1 cm @45-65 degrees to ca, 2% diss & frac fill py, broken ground
52114	197	199.8	2.8	2% qtz 0.1-1 cm @45-65 degrees to ca, 2% diss & frac fill py, broken ground
52115	199.8	204	4.2	2% qtz 0.1-1 cm @45-65 degrees to ca, 2% diss & frac fill py, broken ground, fault zone at 199.8-207.6
52116	204	207.6	3.6	2% qtz 0.1-1 cm @45-65 degrees to ca, 2% diss & frac fill py, broken ground, fault zone at 199.8-207.6
52117	260	265	5	4% qtz 0.1-4 cm @40-50 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo, gneiss-amphibolite contact bleached, silicified
52118	265	270	5	2% qtz 0.1-1 cm @40-58 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52119	270	275	5	2% qtz 0.1-1 cm @40-58 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52120	275	280	5	2% qtz 0.1-4 cm @40-50 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo, gneiss-amphibolite contact
52121	280	285	5	2% qtz 0.1-4 cm @40-50 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo, gneiss-amphibolite contact
52122	285	290	5	2% qtz 0.1-4 cm @40-50 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52123	290	295	5	2% qtz 0.1-1 cm @40-58 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52124	295	300	5	2% qtz 0.1-1 cm @40-58 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52125	300	305	5	2% qtz 0.1-1 cm @40-58 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52126	305	310	5	2% qtz 0.1-1 cm @40-58 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52127	310	315	5	2% qtz 0.1-2 cm @35-55 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo, gneiss-amphibolite contact
52128	315	320	5	2% qtz 0.1-2 cm @35-55 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo, gneiss-amphibolite contact, fault at 316.5-317
52129	320	325	5	2% qtz 0.1-4 cm @40-70 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo, 3% pink feldspar, gneiss-amphibolite contact, fault at 322.8-323.4
52130	325	330	5	2% qtz 0.1-1 cm @40-58 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52131	330	335	5	2% qtz 0.1-4 cm @35-55 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo, gneiss-amphibolite contact, fault at 332.1-334.8
52132	335	340	5	2% qtz 0.1-1 cm @40-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52133	340	345	5	2% qtz 0.1-1 cm @40-60 degrees to ca, 1% cal, 2% chl,4% diss & frac fill py, pyo, fault at 343.1-348.8
52134	345	350	5	2% qtz 0.1-1 cm @40-60 degrees to ca, 1% cal, 2% chl,3% diss & frac fill py, pyo, fault at 343.1-348.8
52135	350	355	5	2% qtz 0.1-1 cm @40-55 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52136	355	360	5	3% qtz 0.1-3 cm @45-65 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52137	360	365	5	2% qtz 0.1-1 cm @45-65 degrees to ca, 4% diss & frac fill py, pyo, 6% andalusite 1-5 mm subhedral porphyryblasts, 8% pink feldspar at 364-365, wk fault at 362.9
52138	365	370	5	2% qtz 0.1-1 cm @40-55 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52139	370	375	5	2% qtz 0.1-1 cm @40-55 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52140	375	380	5	2% qtz 0.1-1 cm @40-55 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52141	380	385	5	2% qtz 0.1-1 cm @40-55 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52142	385	390	5	2% qtz 0.1-1 cm @40-55 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52143	390	392.5	2.5	3% qtz 0.1-2 cm @30-65 degrees to ca, 1% cal, 2% chl,2% diss & frac fill py, pyo, tr-5% pink feldspar, tr tourmaline, tr cpy
52144	392.5	395	2.5	8% qtz 0.1-2 cm @30-65 degrees to ca, 1% cal, 2% chl,2% diss & frac fill py, pyo, tr-5% pink feldspar, tr tourmaline, tr cpy, wk brecciation
52145	395	397.5	2.5	6% qtz 0.1-2 cm @30-65 degrees to ca, 1% cal, 2% chl,2% diss & frac fill py, pyo, tr-5% pink feldspar, tr tourmaline, tr cpy, wk brecciation
52146	397.5	400	2.5	3% qtz 0.1-2 cm @30-65 degrees to ca, 1% cal, 2% chl,2% diss & frac fill py, pyo, tr-5% pink feldspar, tr tourmaline, tr cpy
52147	400	402.5	2.5	6% qtz 0.1-2 cm @30-65 degrees to ca, 1% cal, 2% chl,2% diss & frac fill py, pyo, tr-5% pink feldspar, tr tourmaline, tr cpy
52148	402.5	405	2.5	8% qtz 0.1-2 cm @30-65 degrees to ca, 1% cal, 2% chl,2% diss & frac fill py, pyo, tr-5% pink feldspar, tr tourmaline, tr cpy
52149	405	407.5	2.5	6% qtz 0.1-2 cm @30-65 degrees to ca, 1% cal, 2% chl,2% diss & frac fill py, pyo, tr-5% pink feldspar, tr tourmaline, tr cpy
52150	407.5	410	2.5	3% qtz 0.1-2 cm @30-65 degrees to ca, 1% cal, 2% chl,2% diss & frac fill py, pyo, tr-5% pink feldspar, tr tourmaline, tr cpy
52151	410	415	5	2% qtz 0.1-1 cm @40-55 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52152	415	420	5	2% qtz 0.1-1 cm @40-55 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52153	420	425	5	2% qtz 0.1-1 cm @40-55 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52154	425	430	5	2% qtz 0.1-1 cm @40-55 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo, fault at 425-427
52155	430	435	5	2% qtz 0.1-1 cm @40-55 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo, fault at 433-440
52156	435	440	5	2% qtz 0.1-1 cm @40-55 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo, fault at 433-440
52157	440	445	5	2% qtz 0.1-1 cm @40-55 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo, broken ground at 440-446.2
52158	445	450	5	2% qtz 0.1-1 cm @40-55 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52159	450	455	5	2% qtz 0.1-1 cm @40-55 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52160	455	460	5	2% qtz 0.1-1 cm @40-55 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo, broken ground at 459-493.2, tr-0.1% pink feldspar
52161	460	465	5	2% qtz 0.1-1 cm @40-55 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo, broken ground at 459-493.2, tr-0.1% pink feldspar
52162	465	470	5	2% qtz 0.1-1 cm @40-55 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo, broken ground at 459-493.2, tr-0.1% pink feldspar
52163	470	475	5	2% qtz 0.1-1 cm @40-55 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo, broken ground at 459-493.2, tr-0.1% pink feldspar
52164	475	479	4	2% qtz 0.1-1 cm @40-55 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo, broken ground at 459-493.2, tr-0.1% pink feldspar
52165	479	482	3	2% qtz 0.1-1 cm @40-55 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo, broken ground at 459-493.2, tr-0.1% pink feldspar
52166	482	485	3	2% qtz 0.1-1 cm @40-55 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo, broken ground at 459-493.2, tr-0.1% pink feldspar
52167	485	488	3	2% qtz 0.1-1 cm @40-55 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo, broken ground at 459-493.2, tr-0.1% pink feldspar
52168	488	491	3	2% qtz 0.1-1 cm @40-55 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo, broken ground at 459-493.2, tr-0.1% pink feldspar
52169	491	495	4	2% qtz 0.1-1 cm @40-55 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo, broken ground at 459-493.2, tr-0.1% pink feldspar
52170	495	499	4	2% qtz 0.1-1 cm @40-55 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo, 3% pink feldspar as 1-5 mm veins parallel to foliation
52171	499	503	4	2% qtz 0.1-1 cm @50-70 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo, 1% pink feldspar as 1-3 mm veins
52172	503	508	5	2% qtz 0.1-1 cm @50-70 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo, 1% pink feldspar as 1-3 mm veins
52173	508	513	5	2% qtz 0.1-1 cm @50-70 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo, 1% pink feldspar as 1-3 mm veins
52174	513	518	5	2% qtz 0.1-1 cm @50-70 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo, 1% pink feldspar as 1-3 mm veins
52175	518	523	5	2% qtz 0.1-1 cm @50-70 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo, 1% pink feldspar as 1-3 mm veins
52176	523	528	5	2% qtz 0.1-1 cm @40-55 degrees to ca, 1% cal, 2% chl,2% diss & frac fill py, pyo, fault at 522-532
52177	528	531	3	2% qtz 0.1-1 cm @40-55 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo, fault at 522-532
52178	531	534	3	2% qtz 0.1-1 cm @40-55 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52179	534	537	3	2% qtz 0.1-1 cm @40-55 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52180	537	540	3	2% qtz 0.1-1 cm @40-55 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52181	540	543	3	2% qtz 0.1-1 cm @40-55 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52182	543	548	5	2% qtz 0.1-1 cm @40-55 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52183	548	553	5	2% qtz 0.1-1 cm @40-55 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52184	553	559	6	2% qtz 0.1-1 cm @45-65 degrees to ca, 2% diss & frac fill py, broken ground, gneiss-amphibolite contact
52185	566.5	569.3	2.8	6% qtz 0.1-1 cm @45-65 degrees to ca, 2% diss & frac fill py, broken ground
52186	569.3	574	4.7	3% qtz 0.1-1 cm @45-65 degrees to ca, 2% diss & frac fill py, broken ground
52187	574	579	5	2% qtz 0.1-1 cm @45-65 degrees to ca, 2% diss & frac fill py, broken ground, fault zone at 574.5-575.3
52188	579	584	5	2% qtz 0.1-1 cm @45-65 degrees to ca, 2% diss & frac fill py, broken ground, gneiss-amphibolite contact
52189	584	589	5	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52190	589	594	5	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52191	594	599	5	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52192	599	604	5	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52193	604	609	5	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52194	609	614	5	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52195	614	619	5	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52196	619	624	5	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52197	624	629	5	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52198	629.5	635	5.5	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52199	635	641	6	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52200	641	648	7	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52201	648	653.5	5.5	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52202	653.5	659	5.5	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52203	659	664	5	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52204	664	669.4	5.4	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52205	669.4	674.7	5.3	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52206	674.7	675.7	1	20% qtz 0.1-10 cm @20-60 degrees to ca, 1% cal, 2% chl,2% diss & frac fill py, pyo
52207	675.7	681.8	6.1	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52208	681.8	683.1	1.3	70% qtz 0.1-38 cm @ 60 degrees to ca, 1% cal, 2% chl,3% diss & frac fill py, pyo
52209	683.1	688	4.9	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52210	688	693	5	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52211	699.8	706	6.2	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52212	718	719	1	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52213	751.8	756.8	5	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52214	756.8	762	5.2	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52215	762	767	5	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52216	767	772	5	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52217	772	777	5	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52218	777	782.2	5.2	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52219	782.2	785.4	3.2	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52220	785.4	788.5	2.9	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52221	788.5	791.9	3.4	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52222	805	810	5	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52223	810	815	5	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52224	815	820	5	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52225	820	825	5	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52226	825	830	5	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52227	830	835	5	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52228	835	840	5	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52229	840	845	5	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52230	845	850	5	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo

Valentine Mountain Project Drill Core Log and Sample Record

Date/Target:	**April, 2011 / BN Zone**		**Pajari Test**	**Azimuth**	**Dip**	**Hole Number:**		**11-2**	
Location:	**UTM NAD83 Zone 10N 430890E 5375091N 458 m. elevation uncorrected**		**845 feet**	**152**	**-22**	**Collar Azimuth:**		**180**	
Total Length:	**845 feet = 257.56 metres**		**257.56 metres**	**152**	**-22**	**Collar Dip:**		**-50**	
Interval (m)	**Description**	**Rx**	**Sample No**	**From (m)**	**To (m)**	**Length (m)**	**Au g/t**	**Ag g/t**	**As ppm**
7.92	Overburden	casing		0.00	7.92	7.92			
1.22	26-35.4 unit 2a, gneiss (metagreywacke)	2		7.92	9.14	1.22			
1.52		2		9.14	10.67	1.52			
1.52	35.4-70 unit 2, gneiss (metasandstone)	2		10.67	12.19	1.52			
1.52		2		12.19	13.72	1.52			
1.52		2		13.72	15.24	1.52			
1.52		2		15.24	16.76	1.52			
1.52		2		16.76	18.29	1.52			
1.52		2		18.29	19.81	1.52			
1.52		2		19.81	21.34	1.52			
1.22	6% qtz 0.1-2 cm @55-80 degrees to ca, 2% cal, 5% chl,1% diss & frac fill py, pyo, 70-77.5 unit 3, amphibolite	3	52231	21.34	22.56	1.22	0.002	0.09	15.5
1.07	6% qtz 0.1-1.5 cm @55-80 degrees to ca, 2% cal, 5% chl,1% diss & frac fill py, pyo	3	52232	22.56	23.62	1.07	0.004	0.08	2.2
0.76	77.5-242 unit 2 gneiss (metasandstone)	3		23.62	24.38	0.76			
1.52		2		24.38	25.91	1.52			
1.52		2		25.91	27.43	1.52			
1.52		2		27.43	28.96	1.52			
1.52		2		28.96	30.48	1.52			
1.52		2		30.48	32.00	1.52			
1.52		2		32.00	33.53	1.52			
1.52		2		33.53	35.05	1.52			
1.52		2		35.05	36.58	1.52			
1.52		2		36.58	38.10	1.52			
1.52		2		38.10	39.62	1.52			
1.52		2		39.62	41.15	1.52			
1.52		2		41.15	42.67	1.52			
1.52		2		42.67	44.20	1.52			
1.52		2		44.20	45.72	1.52			
1.52		2		45.72	47.24	1.52			
1.52		2		47.24	48.77	1.52			
1.52		2		48.77	50.29	1.52			
1.52		2		50.29	51.82	1.52			
1.52		2		51.82	53.34	1.52			
1.52		2		53.34	54.86	1.52			
1.52		2		54.86	56.39	1.52			
1.52		2		56.39	57.91	1.52			
1.52	2% qtz 0.1-0.3 cm @50-60 degrees to ca, 1% cal, 3% chl,1% diss & frac fill py, pyo, fault at 190-190.3, minor clay alteration, breccia texture	2	52233	57.91	59.44	1.52	<0.001	0.1	4.5
1.52	2% qtz 0.1-0.3 cm @50-60 degrees to ca, 2% andalusite, 1% garnet as 1-3 mm porpyryblasts, 1% pink feldspar, 1% cal, 3% chl,1% diss & frac fill py, pyo	2	52234	59.44	60.96	1.52	0.001	0.11	36.4
1.52	2% qtz 0.1-0.3 cm @50-60 degrees to ca, 2% andalusite, 1% garnet as 1-3 mm porpyryblasts, 1% pink feldspar, 1% cal, 3% chl,1% diss & frac fill py, pyo	2	52235	60.96	62.48	1.52	0.002	0.07	17.1
1.52	2% qtz 0.1-0.3 cm @50-60 degrees to ca, 2% andalusite, 1% garnet as 1-3 mm porpyryblasts, 1% pink feldspar, 1% cal, 3% chl,1% diss & frac fill py, pyo	2	52236	62.48	64.01	1.52	0.002	0.06	21.7
1.52		2		64.01	65.53	1.52			
1.52		2		65.53	67.06	1.52			
1.52		2		67.06	68.58	1.52			
0.76		2		68.58	69.34	0.76			
1.52	2% qtz 0.1-1 cm @50-65 degrees to ca, 1% diss & frac fill py, broken ground, wk fault zone, minor clay	2	52237	69.34	70.87	1.52	0.002	0.1	1
1.37	2% qtz 0.1-1 cm @50-65 degrees to ca, 1% diss & frac fill py, broken ground, wk fault zone, minor clay	2	52238	70.87	72.24	1.37	0.002	0.1	2.7
1.52	2% qtz 0.1-1 cm @50-65 degrees to ca, 1% diss & frac fill py, broken ground, wk fault zone, minor clay	2	52239	72.24	73.76	1.52	0.001	0.1	0.7
1.52	2% qtz 0.1-1 cm @50-65 degrees to ca, 1% diss & frac fill py, broken ground, wk fault zone, minor clay, 242-298 unit 2a gneiss (metagreywacke)	2	52240	73.76	75.29	1.52	0.003	0.12	72.4
0.91		2		75.29	76.20	0.91			
1.52		2		76.20	77.72	1.52			
1.52		2		77.72	79.25	1.52			
0.61		2		79.25	79.86	0.61			
1.46	2% qtz 0.1-0.3 cm @50-60 degrees to ca, 2% pink feldspar-rhodonite, 1% cal, 3% chl,1% diss & frac fill py, pyo	2	52241	79.86	81.32	1.46	0.003	0.04	23.2
1.37	2% qtz 0.1-0.3 cm @50-60 degrees to ca, 2% pink feldspar-rhodonite, 1% cal, 3% chl,1% diss & frac fill py, pyo	2	52242	81.32	82.69	1.37	0.002	0.05	17.5
0.91	2% qtz 0.1-0.3 cm @50-60 degrees to ca, 2% pink feldspar-rhodonite, 1% cal, 3% chl,1% diss & frac fill py, pyo	2	52243	82.69	83.61	0.91	0.003	0.07	8.7
0.61	2% qtz 0.1-0.3 cm @50-60 degrees to ca, 15% pink feldspar-rhodonite, 1% cal, 3% chl,2% diss & frac fill py, pyo	2	52244	83.61	84.22	0.61	0.003	0.22	8.5
3.57	2% qtz 0.1-1 cm @50-65 degrees to ca, 1% diss & frac fill py, broken ground, wk fault zone, minor clay	2		84.22	87.78	3.57			
1.52	2% qtz 0.1-0.3 cm @50-60 degrees to ca, 6% pink feldspar-rhodonite, 1% cal, 3% chl,2% diss & frac fill py, pyo	2	52245	87.78	89.31	1.52	0.002	0.12	9.7
1.52	5% qtz 0.1-4 cm @40-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo, bleached alteration	2	52246	89.31	90.83	1.52	0.005	0.06	9.1
1.52	3% qtz 0.1-4 cm @40-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo, bleached alteration, 298-518.8 unit 3 amphibolite	3	52247	90.83	92.35	1.52	0.005	0.04	2.4
1.52	3% qtz 0.1-4 cm @40-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo, bleached alteration	3	52248	92.35	93.88	1.52	0.004	0.04	2
1.52	2% qtz 0.1-0.3 cm @60-80 degrees to ca, 8% pink feldspar-rhodonite, 1% cal, 3% chl,2% diss & frac fill py, pyo	3	52249	93.88	95.40	1.52	0.009	0.1	21.3
0.76	2% qtz 0.1-4 cm @40-50 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo,	3	52250	95.40	96.16	0.76	0.004	0.09	27.5
1.37	85% qtz (grey and milky white) 0.1-44 cm veins @70-75 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo,	3	52251	96.16	97.54	1.37	0.003	0.06	2.1
0.91	2% qtz 0.1-1 cm @40-58 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52252	97.54	98.45	0.91	0.002	0.04	9.3
1.83	2% qtz 0.1-1 cm @40-58 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52253	98.45	100.28	1.83	0.009	0.14	15.8
1.83	15% qtz 0.1-1 cm @40-60 degrees to ca, 3% pink feldspar-rhodonite,1% cal, 2% chl,1% diss & frac fill py, pyo	3	52254	100.28	102.11	1.83	0.008	0.08	26.4
0.70	3% qtz 0.1-1 cm @40-60 degrees to ca, 7% pink feldspar-rhodonite,1% cal, 2% chl,1% diss & frac fill py, pyo	3	52255	102.11	102.81	0.70	0.007	0.05	5.6
1.13	2% qtz 0.1-1 cm @40-60 degrees to ca, 2% pink feldspar-rhodonite,1% cal, 2% chl,1% diss & frac fill py, pyo	3	52256	102.81	103.94	1.13	0.023	0.14	68.5
1.89	2% qtz 0.1-1 cm @40-60 degrees to ca, 2% pink feldspar-rhodonite,1% cal, 2% chl,1% diss & frac fill py, pyo	3	52257	103.94	105.83	1.89	0.005	0.13	32.3
1.10	2% qtz 0.1-1 cm @40-60 degrees to ca, 2% pink feldspar-rhodonite,1% cal, 2% chl,1% diss & frac fill py, pyo	3	52258	105.83	106.92	1.10	0.002	0.05	4.5
1.58	2% qtz 0.1-1 cm @40-60 degrees to ca, 2% pink feldspar-rhodonite,1% cal, 2% chl,1% diss & frac fill py, pyo	3	52259	106.92	108.51	1.58	0.002	0.05	1.8
1.68	2% qtz 0.1-1 cm @40-60 degrees to ca, 2% pink feldspar-rhodonite,1% cal, 2% chl,1% diss & frac fill py, pyo	3	52260	108.51	110.19	1.68	0.001	0.04	0.7
2.04	2% qtz 0.1-1 cm @40-60 degrees to ca, 2% pink feldspar-rhodonite,1% cal, 2% chl,1% diss & frac fill py, pyo	3	52261	110.19	112.23	2.04	0.002	0.03	0.5
1.65	5% qtz 0.1-1 cm @40-60 degrees to ca, 12% pink feldspar-rhodonite,1% cal, 2% chl,1% diss & frac fill py, pyo	3	52262	112.23	113.87	1.65	0.002	0.04	0.4
1.04	2% qtz 0.1-1 cm @40-60 degrees to ca, 2% pink feldspar-rhodonite,1% cal, 2% chl,1% diss & frac fill py, pyo	3	52263	113.87	114.91	1.04	0.002	0.06	0.6
1.22	2% qtz 0.1-1 cm @40-60 degrees to ca, 2% pink feldspar-rhodnite,1% cal, 2% chl,1% diss & frac fill py, pyo	3	52264	114.91	116.13	1.22	0.001	0.03	0.3
1.22		3	52265	116.13	117.35	1.22	0.001	0.03	0.2
1.52		3		117.35	118.87	1.52			
1.52		3		118.87	120.40	1.52			
1.52		3		120.40	121.92	1.52			
1.52		3		121.92	123.44	1.52			
1.52		3		123.44	124.97	1.52			
1.52		3		124.97	126.49	1.52			
1.52		3		126.49	128.02	1.52			
0.46		3		128.02	128.47	0.46			
1.83	2% qtz 0.1-1 cm @50-70 degrees to ca, 1% diss & frac fill py, broken ground, wk fault zone, minor clay	3	52266	128.47	130.30	1.83	0.005	0.13	47.1
0.91	2% qtz 0.1-1 cm @50-70 degrees to ca, 1% diss & frac fill py, broken ground, wk fault zone, minor clay	3	52267	130.30	131.22	0.91	0.004	0.13	15.9
1.58	2% qtz 0.1-1 cm @50-70 degrees to ca, 1% diss & frac fill py, broken ground, wk fault zone, minor clay	3	52268	131.22	132.80	1.58	0.008	0.11	45.7
1.25	2% qtz 0.1-1 cm @50-70 degrees to ca, 1% diss & frac fill py, broken ground, wk fault zone, minor clay	3	52269	132.80	134.05	1.25	0.004	0.13	38
1.28	2% qtz 0.1-1 cm @40-55 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52270	134.05	135.33	1.28	0.001	0.1	3.8
0.79	5% qtz 0.1-1 cm @40-60 degrees to ca, 25% pink feldspar-rhodonite (brecciated),1% cal, 2% chl,3% diss & frac fill py, pyo	3	52271	135.33	136.12	0.79	0.003	0.16	34.6
1.65	2% qtz 0.1-1 cm @40-68 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52272	136.12	137.77	1.65	0.006	0.12	27.8
1.49	2% qtz 0.1-1 cm @40-68 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52273	137.77	139.26	1.49	0.003	0.12	18.5
1.49	2% qtz 0.1-1 cm @40-68 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52274	139.26	140.76	1.49	0.002	0.06	7.8
1.43	2% qtz 0.1-1 cm @40-68 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52275	140.76	142.19	1.43	0.002	0.04	1.6
1.68	2% qtz 0.1-1 cm @40-68 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52276	142.19	143.87	1.68	0.001	0.04	2.5
1.98	2% qtz 0.1-1 cm @40-68 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52277	143.87	145.85	1.98	0.003	0.07	1.4
1.83	2% qtz 0.1-1 cm @40-68 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52278	145.85	147.68	1.83	0.003	0.05	0.7
1.68	2% qtz 0.1-1 cm @40-68 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52279	147.68	149.35	1.68	0.003	0.04	0.5
1.95	2% qtz 0.1-1 cm @40-68 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52280	149.35	151.30	1.95	0.001	0.05	1.1
1.10	20% qtz 0.1-8 cm @60-70 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52281	151.30	152.40	1.10	0.003	0.07	1.4
1.52	2% qtz 0.1-1 cm @40-65 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52282	152.40	153.92	1.52	0.004	0.04	0.8
1.52	2% qtz 0.1-1 cm @40-65 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52283	153.92	155.45	1.52	0.002	0.05	0.8
1.52	2% qtz 0.1-1 cm @40-65 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52284	155.45	156.97	1.52	0.009	0.05	0.6
1.52	2% qtz 0.1-1 cm @40-65 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo, 518.8-551 unit 2 gneiss (metasandstone)	3	52285	156.97	158.50	1.52	0.002	0.05	2.4
1.52	2% qtz 0.1-1 cm @40-65 degrees to ca,1% diss & frac fill py, pyo	3	52286	158.50	160.02	1.52	0.001	0.06	22.9
1.52	2% qtz 0.1-1 cm @40-65 degrees to ca,1% diss & frac fill py, pyo	3	52287	160.02	161.54	1.52	<0.001	0.08	14.4
1.52	2% qtz 0.1-1 cm @40-65 degrees to ca,1% diss & frac fill py, pyo	3	52288	161.54	163.07	1.52	0.001	0.09	48
1.52	2% qtz 0.1-1 cm @40-65 degrees to ca,1% diss & frac fill py, pyo	3	52289	163.07	164.59	1.52	<0.001	0.08	9.6
1.52	2% qtz 0.1-1 cm @40-65 degrees to ca,1% diss & frac fill py, pyo	3	52290	164.59	166.12	1.52	0.002	0.09	19.5
1.52	2% qtz 0.1-1 cm @40-65 degrees to ca, weak clay alteration, fault at 547.5-550, 1% diss & frac fill py, pyo	3	52291	166.12	167.64	1.52	0.002	0.05	19.4
1.43	2% qtz 0.1-1 cm @40-75 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo, 551-658 unit 3 amphibolite	3	52292	167.64	169.07	1.43	0.003	0.07	10.8
1.01	2% qtz 0.1-1 cm @40-75 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52293	169.07	170.08	1.01	0.003	0.05	2.7
2.13	2% qtz 0.1-1 cm @40-75 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52294	170.08	172.21	2.13	0.003	0.04	2.2
1.52	2% qtz 0.1-1 cm @40-75 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52295	172.21	173.74	1.52	0.001	0.08	1.5
1.52	2% qtz 0.1-1 cm @40-75 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52296	173.74	175.26	1.52	0.002	0.06	0.8
1.52	2% qtz 0.1-1 cm @40-75 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52297	175.26	176.78	1.52	0.002	0.06	1.5
1.52	2% qtz 0.1-1 cm @40-75 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52298	176.78	178.31	1.52	0.001	0.05	1.5
1.52	2% qtz 0.1-1 cm @40-75 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52299	178.31	179.83	1.52	0.001	0.04	1.1
1.52	2% qtz 0.1-1 cm @40-75 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52300	179.83	181.36	1.52	0.001	0.04	0.7
1.52	2% qtz 0.1-1 cm @40-75 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52301	181.36	182.88	1.52	0.001	0.04	1
1.52	2% qtz 0.1-1 cm @40-75 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52302	182.88	184.40	1.52	<0.001	0.04	1.9
1.68	2% qtz 0.1-1 cm @40-75 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52303	184.40	186.08	1.68	0.001	0.04	0.8
1.68	2% qtz 0.1-1 cm @40-75 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52304	186.08	187.76	1.68	<0.001	0.04	0.3
1.83	2% qtz 0.1-1 cm @40-75 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52305	187.76	189.59	1.83	0.003	0.05	0.5
1.68	2% qtz 0.1-1 cm @40-75 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52306	189.59	191.26	1.68	0.002	0.07	1
1.37	15% qtz 0.1-5 cm @20-80 degrees to ca, 1% cal, 2% chl,4% diss & frac fill py, pyo, contorted foliation, fault at 629, slickensides @ 45-60 degrees to ca	3	52307	191.26	192.63	1.37	<0.001	0.08	1.9
1.68	2% qtz 0.1-1 cm @45-75 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52308	192.63	194.31	1.68	0.001	0.04	0.4
1.68	2% qtz 0.1-1 cm @45-75 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52309	194.31	195.99	1.68	0.001	0.07	0.7
1.83	2% qtz 0.1-1 cm @45-75 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52310	195.99	197.82	1.83	0.001	0.05	0.2
1.83	2% qtz 0.1-1 cm @45-75 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52311	197.82	199.64	1.83	0.001	0.04	1.7
0.91	2% qtz 0.1-1 cm @45-75 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52312	199.64	200.56	0.91	0.001	0.04	8.3
0.61	658-659.3 unit 2 gneiss (metasandstone), 659.3-800 unit 3 amphibolite	2		200.56	201.17	0.61			
1.52		3		201.17	202.69	1.52			
1.52		3		202.69	204.22	1.52			
1.52		3		204.22	205.74	1.52			
1.52		3		205.74	207.26	1.52			
1.52		3		207.26	208.79	1.52			
0.91		3		208.79	209.70	0.91			
1.52	2% qtz 0.1-1 cm @45-75 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52313	209.70	211.23	1.52	<0.001	0.06	0.5
1.52	2% qtz 0.1-1 cm @45-75 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52314	211.23	212.75	1.52	<0.001	0.04	0.3
1.52	2% qtz 0.1-1 cm @45-75 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52315	212.75	214.27	1.52	<0.001	0.03	0.2
1.52	2% qtz 0.1-1 cm @45-75 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52316	214.27	215.80	1.52	<0.001	0.03	0.1
1.52	2% qtz 0.1-1 cm @45-75 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52317	215.80	217.32	1.52	0.001	0.03	0.1
1.52	2% qtz 0.1-1 cm @45-75 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52318	217.32	218.85	1.52	0.001	0.04	<0.1
1.83	2% qtz 0.1-1 cm @45-75 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo, qtz-cal veins have 1-3 cm clay alteration selvages	3	52319	218.85	220.68	1.83	0.001	0.03	<0.1
1.83	2% qtz 0.1-1 cm @45-75 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo, qtz-cal veins have 1-3 cm clay alteration selvages	3	52320	220.68	222.50	1.83	0.001	0.03	0.2
1.52	2% qtz 0.1-1 cm @45-75 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo, qtz-cal veins have 1-3 cm clay alteration selvages	3	52321	222.50	224.03	1.52	0.001	0.04	<0.1
1.52	2% qtz 0.1-1 cm @45-75 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo, qtz-cal veins have 1-3 cm clay alteration selvages	3	52322	224.03	225.55	1.52	0.001	0.03	0.3
1.52	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52323	225.55	227.08	1.52	0.001	0.02	0.1
1.52	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52324	227.08	228.60	1.52	0.001	0.03	0.2
1.52	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52325	228.60	230.12	1.52	0.002	0.05	0.2
1.52	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52326	230.12	231.65	1.52	0.001	0.06	0.3
1.52	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52327	231.65	233.17	1.52	0.001	0.04	0.1
1.52	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52328	233.17	234.70	1.52	0.001	0.05	0.2
1.52	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52329	234.70	236.22	1.52	0.002	0.04	0.9
1.52	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52330	236.22	237.74	1.52	0.001	0.04	0.2
1.52	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52331	237.74	239.27	1.52	0.002	0.04	0.5
1.52	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52332	239.27	240.79	1.52	0.002	0.02	0.3
1.52	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52333	240.79	242.32	1.52	0.003	0.02	0.3
1.52	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52334	242.32	243.84	1.52	0.004	0.02	0.6
1.52	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo, 800-803.2 unit 2 gneiss (metasandstone)	2	52335	243.84	245.36	1.52	0.003	0.04	1.1
1.52	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo, 803.2-845 unit 3 amphibolite	3	52336	245.36	246.89	1.52	0.002	0.02	0.5
1.52	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52337	246.89	248.41	1.52	0.003	0.02	<0.1
1.52	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52338	248.41	249.94	1.52	0.002	0.03	<0.1
1.52	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52339	249.94	251.46	1.52	0.002	0.09	0.8
1.52	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52340	251.46	252.98	1.52	0.002	0.1	3.3
1.52	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52341	252.98	254.51	1.52	0.001	0.07	2.6
1.52	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo	3	52342	254.51	256.03	1.52	0.002	0.04	0.8
1.52	10% qtz 0.1-2 cm @20-60 degrees to ca, late qtz-anhydrite-gypsum @ 05 degrees to ca, 1% cal, 2% chl, 2% diss & frac fill py, pyo	3	52343	256.03	257.56	1.52	0.001	0.04	2.4

VA11062529 - Finalized
CLIENT : "MILBAVE - Mill Bay Ventures"
# of SAMPLES : 222
DATE RECEIVED : 2011-04-15 DATE FINALIZED : 2011-05-07
PROJECT : "Valentine BN"
CERTIFICATE COMMENTS : "ME-MS41:Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g). "
PO NUMBER : " "

	Au-TL44	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
SAMPLE	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co
DESCRIPTION	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
52231	0.002	0.09	3.24	15.5	<0.2	<10	40	0.2	0.07	3.52	0.08	1.42	22
52232	0.004	0.08	5.38	2.2	<0.2	<10	100	0.35	0.19	4.45	0.05	0.71	9.9
52233	<0.001	0.1	2.63	4.5	<0.2	<10	400	0.07	0.24	0.31	0.03	16.05	14
52234	0.001	0.11	2.96	36.4	<0.2	<10	310	0.12	0.18	1.78	0.06	5.88	25.2
52235	0.002	0.07	2.55	17.1	<0.2	<10	170	0.13	0.11	1.83	0.08	5.72	22.7
52236	0.002	0.06	2.4	21.7	<0.2	<10	270	0.1	0.07	1.5	0.07	4.62	24.6
52237	0.002	0.1	2.6	1	<0.2	<10	330	0.12	0.24	1.06	0.05	25.3	14.1
52238	0.002	0.1	2.6	2.7	<0.2	<10	370	0.16	0.27	0.58	0.05	24.1	15
52239	0.001	0.1	2.63	0.7	<0.2	<10	340	0.17	0.14	0.29	0.04	20.8	13.3
ST-7	0.002	0.02	5.11	<0.1	<0.2	<10	10	0.11	<0.01	3.09	0.03	5.66	15.8
52240	0.003	0.12	4.76	72.4	<0.2	<10	160	0.35	0.25	2.09	0.05	5.86	23.8
52241	0.003	0.04	1.96	23.2	<0.2	<10	160	0.08	0.04	1.93	0.03	2.77	18.6
52242	0.002	0.05	2.12	17.5	<0.2	<10	350	0.11	0.06	0.89	0.02	4.19	22.1
52243	0.003	0.07	2	8.7	<0.2	<10	350	0.11	0.09	0.67	0.04	7.67	18.6
52244	0.003	0.22	2.32	8.5	<0.2	<10	100	0.11	0.27	1.36	0.08	8	42.6
52245	0.002	0.12	3.21	9.7	<0.2	<10	440	0.2	0.12	1.36	0.07	12.05	24.7
52246	0.005	0.06	2.26	9.1	<0.2	<10	170	0.12	0.06	2.18	0.05	4.64	19.6
52247	0.005	0.04	1.65	2.4	<0.2	<10	110	0.09	0.02	2.28	0.04	2.68	14.4
52248	0.004	0.04	1.74	2	<0.2	<10	80	0.08	0.02	2.56	0.04	1.96	15.4
52249	0.009	0.1	1.58	21.3	<0.2	<10	50	0.08	0.09	1.23	0.04	2.27	18.8
52250	0.004	0.09	2.69	27.5	<0.2	<10	120	0.15	0.08	1.6	0.06	5.18	24.8
52251	0.003	0.06	2.71	2.1	<0.2	<10	530	0.19	0.18	0.53	0.02	14.45	20.6
52252	0.002	0.04	1.68	9.3	<0.2	<10	270	0.13	0.1	0.5	0.02	9.51	17.6
52253	0.009	0.14	3.14	15.8	<0.2	<10	430	0.14	0.26	0.96	0.04	8.38	23.3
52254	0.008	0.08	2.46	26.4	<0.2	<10	310	0.11	0.09	0.89	0.03	6.7	22.6
52255	0.007	0.05	2.72	5.6	<0.2	<10	740	0.12	0.13	0.86	0.03	7.47	26.7
52256	0.023	0.14	2.68	68.5	<0.2	<10	570	0.18	0.3	1.63	0.06	7.94	43.3
52257	0.005	0.13	1.46	32.3	<0.2	<10	110	0.08	0.08	1.15	0.04	2.37	18.9
52258	0.002	0.05	1.54	4.5	<0.2	<10	170	0.09	0.06	1.25	0.03	3.28	22.9
52259	0.002	0.05	1.79	1.8	<0.2	<10	280	0.1	0.04	0.8	0.03	3.73	18.8
ST-8	0.003	0.02	4.82	0.1	<0.2	<10	10	0.14	<0.01	2.7	0.02	5.55	17.7
52260	0.001	0.04	1.58	0.7	<0.2	<10	100	0.12	0.03	1.96	0.04	3.35	16.9
52261	0.002	0.03	1.14	0.5	<0.2	<10	80	0.09	0.03	2.6	0.06	2.53	13
52262	0.002	0.04	1.67	0.4	<0.2	<10	270	0.11	0.05	2.01	0.06	3.48	19.2
52263	0.002	0.06	2.49	0.6	<0.2	<10	600	0.15	0.19	1.21	0.06	8.13	32.5
52264	0.001	0.03	1.94	0.3	<0.2	<10	60	0.14	0.02	3.51	0.08	1.98	15.4
52265	0.001	0.03	0.92	0.2	<0.2	<10	10	0.08	0.02	3.77	0.08	1.32	11.1
52266	0.005	0.13	2.29	47.1	<0.2	<10	40	0.18	0.12	2.27	0.06	5.23	24.8
52267	0.004	0.13	2.94	15.9	<0.2	<10	120	0.24	0.08	2.45	0.08	8.22	29.3
52268	0.008	0.11	1.84	45.7	<0.2	<10	60	0.13	0.18	1.93	0.04	5.19	19.6
52269	0.004	0.13	1.65	38	<0.2	<10	100	0.1	0.11	0.94	0.04	3.45	19.8
52270	0.001	0.1	3.14	3.8	<0.2	<10	580	0.18	0.2	0.59	0.05	12.95	22.9
52271	0.003	0.16	2.9	34.6	<0.2	<10	580	0.16	0.1	1.01	0.08	7.59	45.4
52272	0.006	0.12	1.41	27.8	<0.2	<10	70	0.06	0.07	1.07	0.03	2.38	20.8
52273	0.003	0.12	1.92	18.5	<0.2	<10	180	0.09	0.08	1.35	0.05	4.1	22.1
52274	0.002	0.06	1.81	7.8	<0.2	<10	120	0.11	0.11	1.44	0.04	5.28	20.4
52275	0.002	0.04	1.49	1.6	<0.2	<10	100	0.09	0.04	1.8	0.04	3.62	16.4
52276	0.001	0.04	1.64	2.5	<0.2	<10	100	0.11	0.03	1.99	0.05	2.86	14.6
52277	0.003	0.07	2.22	1.4	<0.2	<10	420	0.11	0.21	1.18	0.06	6.98	25.5
52278	0.003	0.05	1.9	0.7	<0.2	<10	120	0.11	0.05	3.36	0.09	4.68	17.3
52279	0.003	0.04	1.32	0.5	<0.2	<10	30	0.09	0.02	4.33	0.09	2.7	12.5
ST-9	0.001	0.02	5.11	<0.1	<0.2	<10	10	0.13	<0.01	3.08	0.02	6.15	13.3
52280	0.001	0.05	1.22	1.1	<0.2	<10	10	0.06	0.03	3.44	0.09	2.08	13.4
52281	0.003	0.07	1.15	1.4	<0.2	<10	10	0.05	0.07	6.9	0.16	1.37	11.7
52282	0.004	0.04	0.99	0.8	<0.2	<10	10	0.07	0.02	5.65	0.13	2.43	10.1
52283	0.002	0.05	1.02	0.8	<0.2	<10	10	0.05	0.02	4.19	0.12	2.23	10
52284	0.009	0.05	1.51	0.6	<0.2	<10	20	0.1	0.01	5.06	0.13	2.51	15.8
52285	0.002	0.05	1.6	2.4	<0.2	<10	100	0.09	0.05	4.43	0.1	5.33	13.7
52286	0.001	0.06	2.39	22.9	<0.2	<10	400	0.1	0.09	0.56	0.05	12.15	12.6
52287	<0.001	0.08	2.44	14.4	<0.2	<10	460	0.11	0.13	0.57	0.07	10.55	12.3
52288	0.001	0.09	2.34	48	<0.2	<10	430	0.12	0.16	0.77	0.06	8.78	11.8
52289	<0.001	0.08	2.17	9.6	<0.2	<10	450	0.13	0.12	0.66	0.06	9.36	11.6
52290	0.002	0.09	2.63	19.5	<0.2	<10	390	0.2	0.17	0.74	0.07	14.45	15.7
52291	0.002	0.05	2.03	19.4	<0.2	<10	150	0.15	0.07	1.77	0.07	7.6	17.7
52292	0.003	0.07	1.86	10.8	<0.2	<10	100	0.14	0.08	1.99	0.06	5.34	17.7
52293	0.003	0.05	1.53	2.7	<0.2	<10	10	0.05	0.01	4.38	0.07	1.7	10.4
52294	0.003	0.04	1.36	2.2	<0.2	<10	<10	0.06	0.01	2.52	0.04	1.93	11.1
52295	0.001	0.08	1.73	1.5	<0.2	<10	20	0.08	0.03	2.38	0.07	1.9	17.6
52296	0.002	0.06	2.65	0.8	<0.2	<10	20	0.09	0.04	3.16	0.07	1.56	18.6
52297	0.002	0.06	2.17	1.5	<0.2	<10	<10	<0.05	0.01	4.41	0.08	1.92	17
52298	0.001	0.05	1.77	1.5	<0.2	<10	<10	0.05	0.01	2.79	0.06	1.78	15.3
52299	0.001	0.04	1.49	1.1	<0.2	<10	<10	0.06	<0.01	1.97	0.04	2.01	13.1
ST-10	0.005	0.04	4.14	0.7	<0.2	<10	<10	0.06	<0.01	2.24	0.03	3.87	19.6
52300	0.001	0.04	1.85	0.7	<0.2	<10	<10	0.08	<0.01	1.91	0.03	1.81	12.4

	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
SAMPLE	Cr	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg
DESCRIPTION	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%
52231	58	0.8	52.3	2.93	7.78	0.22	0.07	<0.01	0.022	0.19	0.4	19.5	0.99
52232	76	0.9	40.5	1.24	8.86	0.13	0.05	0.01	0.008	0.23	0.2	16.3	0.75
52233	75	2.95	49.9	3.85	8.42	0.09	<0.02	0.01	0.032	1.61	8	43.4	1.53
52234	93	2.35	81.5	4.02	8.74	0.16	0.02	<0.01	0.025	1.06	3.3	33.9	1.56
52235	115	1.97	62.3	4	9.48	0.14	0.04	<0.01	0.029	0.79	2.9	45.6	1.59
52236	123	2.15	52.7	3.48	7.98	0.16	0.03	<0.01	0.023	1.14	2.6	26.6	1.4
52237	51	6.19	38.7	3.8	10.4	0.1	0.02	0.03	0.035	1.51	12.2	59.6	1.47
52238	61	6.4	40	3.75	11.15	0.12	0.02	0.03	0.042	1.39	11.8	57.8	1.47
52239	46	4.18	55.6	3.79	9.62	0.12	0.02	<0.01	0.037	1.51	10	52.2	1.42
ST-7	200	<0.05	43.8	4.34	10.8	0.13	0.03	<0.01	0.006	0.01	2.7	1.2	0.99
52240	210	2.04	47.4	3.08	12.1	0.12	0.02	0.01	0.019	0.66	2.6	41.6	2.14
52241	118	3.1	97.2	2.31	5.58	0.13	0.03	<0.01	0.013	0.47	1.6	33.2	1.25
52242	129	5.17	125	2.72	7.15	0.17	0.03	<0.01	0.019	0.8	2	53.3	1.5
52243	121	5.54	95.2	2.69	7.26	0.14	0.02	<0.01	0.021	0.9	3.6	54.8	1.46
52244	97	6.65	439	5.58	8.35	0.4	0.05	<0.01	0.035	0.84	8	49.4	1.48
52245	140	5.97	112	4.21	12	0.19	0.03	<0.01	0.044	1.2	5.6	83.3	1.99
52246	54	4.11	89.3	3.28	7.94	0.2	0.08	0.01	0.033	0.5	2.1	32.1	0.93
52247	72	4.09	57.1	2.38	5.33	0.14	0.08	0.01	0.022	0.46	1	29.8	0.91
52248	94	4.41	83	2.46	5.42	0.17	0.07	0.01	0.021	0.36	0.6	34.7	0.88
52249	130	2.32	140	2.23	4.92	0.12	0.04	0.01	0.014	0.26	0.9	34.4	1.49
52250	114	1.65	125.5	2.83	7.7	0.17	0.03	0.01	0.028	0.35	3.2	38.9	1.49
52251	90	4.25	67.9	3.87	10.6	0.14	0.02	0.01	0.044	1.35	7.2	69.9	1.67
52252	39	2.45	49.5	2.61	5.32	0.09	<0.02	0.01	0.027	0.83	4.3	32	0.84
52253	128	3.27	141.5	3.88	9.58	0.16	0.03	0.01	0.041	1.22	4.1	56	2.05
52254	173	5.43	106	3.16	8.99	0.16	0.02	0.01	0.027	0.85	3	53.1	1.85
52255	129	6.47	95.5	4.12	11.35	0.21	0.02	<0.01	0.043	1.56	4.3	70	1.88
52256	107	6.42	229	4.47	11.8	0.28	0.04	0.01	0.072	1.27	6.5	65.6	1.71
52257	112	3.55	158	1.95	4.58	0.12	0.04	<0.01	0.015	0.32	1.3	28.5	1.17
52258	105	3.67	190	2.4	5.19	0.16	0.04	0.01	0.02	0.39	2.1	32	1.21
52259	138	4	109	2.38	6.25	0.13	0.03	0.01	0.016	0.69	1.6	44.7	1.49
ST-8	182	<0.05	62.8	4.01	11	0.09	0.02	0.01	0.007	0.02	2.6	1.6	1.28
52260	89	2.42	102	2.12	4.99	0.12	0.04	0.01	0.016	0.31	1.5	31.2	0.99
52261	62	2.1	78	2.07	4.07	0.15	0.07	0.01	0.02	0.19	1.2	20.1	0.82
52262	85	5.81	108.5	2.75	6.17	0.17	0.05	0.01	0.023	0.74	2	44.5	1.17
52263	102	8.77	154.5	4	10.6	0.24	0.04	<0.01	0.053	1.33	5.3	63.4	1.64
52264	40	4.5	85.4	2.62	6.02	0.17	0.13	0.01	0.024	0.26	0.8	15.9	0.8
52265	32	0.81	81.7	2.03	3.69	0.15	0.12	0.01	0.019	0.09	0.3	8	0.67
52266	143	4.06	101.5	3.08	7.5	0.15	0.05	0.01	0.027	0.19	2.3	37.5	1.92
52267	223	4.03	102	4.62	11.65	0.18	0.03	0.01	0.045	0.43	3.8	63.1	2.97
52268	107	1.7	92	2.5	6.18	0.13	0.03	<0.01	0.019	0.23	2.3	28.1	1.45
52269	129	1.69	128	2.16	5.8	0.13	0.03	<0.01	0.018	0.35	1.5	28.5	1.3
52270	115	6.08	71.2	4.64	14.2	0.21	0.02	0.01	0.057	1.61	6.3	99.5	2.04
52271	108	6.85	245	4.8	11.5	0.41	0.03	0.01	0.047	1.35	6.2	67.3	1.97
52272	126	1.76	78.2	2.17	5.15	0.12	0.04	<0.01	0.015	0.28	1.2	30.1	1.26
52273	158	5.09	129	2.75	5.99	0.14	0.04	<0.01	0.021	0.51	2.3	43.7	1.64
52274	111	2.84	116.5	2.63	5.9	0.16	0.04	<0.01	0.023	0.27	2.8	38.2	1.32
52275	108	3.35	91.8	2.3	4.64	0.12	0.05	<0.01	0.017	0.34	1.6	37.3	1.19
52276	84	3.37	65.2	2.29	4.63	0.13	0.07	<0.01	0.02	0.28	1.2	26.7	1.03
52277	119	8.31	165	3.29	7.34	0.17	0.04	0.01	0.029	0.93	4.1	64.3	1.5
52278	72	6.83	83.5	3.17	6.12	0.18	0.1	0.01	0.029	0.42	2.1	41.2	1.12
52279	38	5.42	58.7	2.46	4.53	0.16	0.11	<0.01	0.024	0.19	0.8	23.6	0.8
ST-9	202	<0.05	27.1	4.03	10.3	0.11	0.03	<0.01	0.006	0.01	3.1	1.2	0.97
52280	40	0.8	54	2.41	4.32	0.12	0.11	0.01	0.022	0.05	0.7	19.4	0.78
52281	19	0.55	82.4	1.89	3.44	0.1	0.1	0.01	0.016	0.03	0.5	12.7	0.47
52282	29	2.42	60.9	2.02	3.67	0.12	0.11	<0.01	0.021	0.1	0.6	16.4	0.72
52283	26	0.74	70	1.89	3.45	0.1	0.11	0.01	0.021	0.05	0.6	12.3	0.68
52284	62	4.08	75.1	3.13	5.52	0.18	0.13	<0.01	0.028	0.2	0.6	42.4	1
52285	22	3.14	53.3	2.77	5.64	0.13	0.12	<0.01	0.028	0.35	2.2	23.6	0.96
52286	45	2.44	24.9	3.45	9.34	0.12	<0.02	<0.01	0.033	1.3	5.9	57.8	1.36
52287	45	2.5	29.4	3.5	9.19	0.11	<0.02	<0.01	0.032	1.47	5.3	39.9	1.28
52288	44	2.6	28.7	3.3	9.21	0.11	<0.02	0.01	0.034	1.41	4.4	33.1	1.29
52289	41	2.55	27.5	3.22	8.58	0.11	<0.02	<0.01	0.031	1.24	4.7	36.8	1.24
52290	47	3.73	40.1	3.7	9.83	0.11	<0.02	0.01	0.036	1.28	6.9	53.8	1.31
52291	41	2.11	59.2	2.91	7.24	0.13	0.06	<0.01	0.03	0.52	3.5	32.6	1.06
52292	44	2.15	67.7	2.58	6	0.12	0.06	0.01	0.024	0.36	2.3	25	0.93
52293	70	0.4	71.4	1.47	3.13	0.09	0.06	<0.01	0.012	0.02	0.4	12.7	0.8
52294	52	0.84	98	1.44	2.99	0.1	0.08	<0.01	0.012	0.03	0.4	6.6	0.64
52295	97	2.22	79.5	2.53	4.95	0.12	0.08	0.01	0.019	0.22	0.5	26.1	1.01
52296	108	3.09	75.4	2.83	6.24	0.16	0.07	<0.01	0.017	0.18	0.4	36.6	1.3
52297	101	0.73	65.2	2.67	5.66	0.13	0.08	0.01	0.019	0.04	0.5	35.8	1.55
52298	88	0.79	81.6	2.07	4.72	0.12	0.08	0.01	0.016	0.02	0.4	26.8	1.14
52299	68	0.54	92.7	1.66	3.59	0.13	0.09	<0.01	0.014	0.02	0.4	14.2	0.88
ST-10	145	<0.05	113	4.6	8.47	0.13	0.05	0.01	0.007	0.01	1.8	1.3	1.44
52300	62	0.69	82.1	1.5	3.43	0.13	0.07	0.01	0.013	0.02	0.4	7.7	0.86

	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
SAMPLE	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn
DESCRIPTION	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
52231	559	0.35	0.25	0.18	26.3	960	2.7	13.2	0.001	0.02	0.07	13.6	0.3	0.3
52232	263	0.2	0.35	0.11	16.6	360	4.8	19	<0.001	<0.01	<0.05	8.1	0.2	0.2
52233	399	1.03	0.06	0.22	40.5	780	1.9	62.1	0.001	0.19	<0.05	9.4	0.3	0.7
52234	872	5.25	0.15	0.2	65.8	1130	3.3	41.4	<0.001	0.33	0.07	10.2	0.4	0.4
52235	898	1.53	0.12	0.12	57.3	970	3.5	34.2	0.001	0.11	0.05	12.9	0.3	0.5
52236	919	2.59	0.16	0.16	66.6	960	2.5	46.8	0.001	0.1	<0.05	11.1	0.3	0.4
52237	505	1.52	0.05	0.37	31	940	3.4	82.7	0.001	0.17	0.06	9.2	0.4	1.2
52238	440	1.77	0.06	0.31	35	870	4.1	70.8	0.001	0.19	<0.05	11.3	0.4	1
52239	403	1.21	0.06	0.39	29.5	960	3.4	73.3	0.001	0.27	<0.05	8.8	0.6	0.9
ST-7	282	0.13	0.55	0.12	29.2	390	0.3	0.4	0.001	0.01	<0.05	3.8	0.2	<0.2
52240	317	0.92	0.25	0.13	137.5	720	4.5	30	0.001	0.04	0.09	7.4	0.3	0.3
52241	643	2.51	0.12	0.13	98.3	880	1.9	23.6	0.001	0.1	0.07	5.3	0.3	0.2
52242	435	1.8	0.15	0.17	97.4	910	2.1	40.2	0.001	0.15	0.06	7.8	0.5	0.3
52243	390	1.6	0.13	0.16	71.5	790	2	40.8	0.001	0.05	<0.05	6.2	0.3	0.3
52244	3230	2.07	0.08	0.41	196	2450	3	40.4	0.001	1.54	<0.05	8.9	2.2	0.4
52245	408	1.15	0.19	0.32	81.5	1090	2.8	50	0.001	0.16	0.05	15.1	0.5	0.7
52246	606	1.08	0.2	0.19	40.2	1210	1.6	25.4	0.001	0.15	<0.05	13.7	0.5	0.5
52247	476	0.66	0.17	0.12	31.4	810	0.7	23.8	0.001	0.04	0.05	10.7	0.3	0.3
52248	437	0.27	0.18	0.13	31.7	820	0.7	20.7	0.001	0.09	0.06	12.3	0.4	0.3
52249	289	1.22	0.1	0.09	84.8	640	0.9	14	0.001	0.06	0.06	6.1	0.2	0.2
52250	933	7.02	0.18	0.13	95.9	1180	3.5	16.4	0.001	0.09	<0.05	7.3	0.3	0.3
52251	413	1.16	0.08	0.26	64.5	1040	3.2	55	0.001	0.11	<0.05	13.1	0.4	0.7
52252	291	0.69	0.05	0.41	42.1	780	1.6	36.6	<0.001	0.46	<0.05	7.1	0.5	0.4
52253	389	0.97	0.12	0.26	89.2	980	2	49.7	0.001	0.15	<0.05	13.2	0.4	0.7
52254	355	0.89	0.12	0.16	102	760	1.5	41	0.001	0.09	<0.05	9.5	0.4	0.4
52255	962	4.02	0.09	0.21	96.5	1080	4.2	68.2	0.001	0.19	<0.05	13.4	0.5	0.5
52256	1960	2.23	0.1	0.35	158.5	1820	7.1	55.9	0.001	0.5	0.05	9.3	0.9	0.9
52257	514	2.14	0.12	0.09	79.1	760	1.5	17.8	0.001	0.03	0.06	5.7	0.2	0.2
52258	898	3.24	0.11	0.11	109	1010	1.7	20.8	0.001	0.17	0.07	6.5	0.4	0.2
52259	309	1.58	0.11	0.12	93.3	700	1.2	30.6	0.001	0.09	0.06	6.3	0.3	0.2
ST-8	319	0.15	0.59	0.06	55.9	380	0.2	0.4	0.001	0.01	<0.05	3.6	0.2	<0.2
52260	444	2.34	0.14	0.13	71.2	800	1.2	15.5	0.001	0.17	0.11	7.2	0.4	0.2
52261	865	1.46	0.15	0.16	40.4	1020	1.2	10.7	0.001	0.07	0.14	9.5	0.4	0.3
52262	982	2.45	0.13	0.14	63.1	1040	2.1	31.6	0.001	0.08	0.09	9	0.4	0.3
52263	1520	5.39	0.12	0.28	105.5	1290	4.5	55.6	0.001	0.14	0.05	10.3	0.5	0.9
52264	642	1.3	0.23	0.28	25.4	1060	0.8	15.6	0.001	0.07	0.09	12.4	0.5	0.4
52265	519	0.09	0.14	0.28	17.5	820	0.3	2.9	<0.001	0.02	0.13	11.4	0.4	0.3
52266	579	0.9	0.12	0.07	95.5	700	3.1	9.6	0.001	0.02	0.07	10.7	0.3	0.3
52267	786	1.06	0.08	0.11	120.5	820	6.2	18.7	0.001	0.04	0.07	15.9	0.3	0.5
52268	525	0.81	0.12	0.09	88.8	670	3.1	10.8	0.001	0.08	0.06	7.7	0.3	0.2
52269	228	0.72	0.14	0.09	81.2	720	2.3	16.4	0.001	0.04	<0.05	6.3	0.2	0.2
52270	542	1.76	0.07	0.29	73.9	940	3.8	67.5	0.001	0.14	<0.05	17.2	0.5	1
52271	2340	2.59	0.07	0.33	169	1830	4.7	61.1	0.001	0.31	<0.05	9.7	0.8	0.3
52272	500	1.78	0.09	0.1	85.9	680	2.1	14	0.001	0.02	0.05	5.1	0.3	0.2
52273	724	1.67	0.11	0.13	107	820	1.9	25.8	0.001	0.08	0.06	6.6	0.3	0.2
52274	669	2.6	0.14	0.18	83.5	870	2.3	14.1	0.001	0.14	0.08	8	0.4	0.3
52275	454	1.32	0.12	0.13	73.5	810	0.9	17.6	0.001	0.07	0.08	6.9	0.3	0.2
52276	731	1.49	0.18	0.16	47.6	800	1.4	14.8	0.001	0.04	0.09	9.4	0.3	0.2
52277	1100	3.46	0.13	0.25	94.8	1020	3.1	40.4	0.001	0.16	0.08	8.1	0.5	0.4
52278	864	1.68	0.17	0.24	45.9	1040	1.5	20.8	0.001	0.12	0.12	11.7	0.5	0.6
52279	802	0.24	0.16	0.23	20.3	970	0.6	11.5	0.001	0.02	0.08	11.4	0.3	0.4
ST-9	270	0.12	0.6	0.11	31.5	410	0.2	0.3	0.001	<0.01	<0.05	3.9	0.2	<0.2
52280	636	0.37	0.16	0.24	28.3	880	0.8	2.3	<0.001	0.08	<0.05	10.6	0.4	0.4
52281	851	0.14	0.15	0.28	33.7	1170	1.4	1.4	0.001	0.2	<0.05	7.5	0.4	0.3
52282	624	0.1	0.14	0.24	14.4	790	0.5	6.9	<0.001	0.03	0.05	10.3	0.4	0.3
52283	487	0.52	0.15	0.26	17	760	0.5	2.3	0.001	0.04	<0.05	9.5	0.3	0.3
52284	697	0.15	0.15	0.21	26	840	0.4	9.9	<0.001	0.03	0.1	13.4	0.4	0.4
52285	698	1.94	0.16	0.29	22.5	930	1.1	15	0.001	0.15	0.05	11	0.4	0.6
52286	482	0.59	0.09	0.27	23.1	640	1.9	42.7	0.001	0.15	<0.05	11	0.3	0.7
52287	522	0.73	0.09	0.35	24.8	620	1.9	51.6	0.001	0.26	<0.05	10.3	0.4	0.8
52288	569	0.86	0.11	0.29	22.2	620	1.8	52.2	0.001	0.32	<0.05	10.8	0.4	0.7
52289	499	0.71	0.08	0.25	22.4	580	2.6	47	0.001	0.26	<0.05	9.9	0.4	0.7
52290	624	1.32	0.1	0.31	32	650	3.2	48.5	0.001	0.37	0.05	10.6	0.5	0.8
52291	619	3.26	0.14	0.33	37	810	2.4	19.9	0.001	0.19	0.07	11.9	0.5	0.6
52292	512	3.28	0.15	0.28	41	860	2.4	16	0.002	0.21	0.18	10.1	0.5	0.4
52293	477	0.34	0.23	0.19	28.9	440	0.4	0.6	0.001	0.04	1.47	7.9	0.3	0.2
52294	291	0.27	0.19	0.26	24.9	560	0.2	0.4	0.001	0.11	0.23	10.3	0.4	0.2
52295	412	0.2	0.15	0.24	44.1	670	0.6	10	0.001	0.1	0.11	11.5	0.4	0.4
52296	456	0.19	0.21	0.27	46.7	610	0.5	8.7	0.001	0.1	0.64	13.3	0.4	0.4
52297	534	0.48	0.15	0.24	43.1	660	0.3	2.3	0.001	0.05	0.12	10.9	0.3	0.3
52298	344	0.23	0.18	0.21	34.5	520	0.4	0.5	0.001	0.11	0.18	11.3	0.4	0.2
52299	264	0.26	0.24	0.17	31.4	520	0.2	0.4	0.001	0.13	0.57	10.1	0.4	0.2
ST-10	342	0.13	0.44	0.12	72.4	320	0.2	0.2	0.001	0.02	0.05	3.8	0.2	<0.2
52300	231	0.24	0.33	0.15	33	440	0.3	0.3	0.001	0.11	0.19	10.5	0.4	0.2

	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
SAMPLE	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr
DESCRIPTION	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
52231	440	0.01	0.01	<0.2	0.258	0.09	0.05	105	0.78	13.2	44	1.4
52232	395	0.01	0.03	<0.2	0.211	0.12	<0.05	46	0.59	7.62	15	0.9
52233	19.6	<0.01	0.04	3.4	0.243	0.45	0.62	119	0.22	4.4	69	<0.5
52234	99.9	<0.01	0.04	1	0.216	0.31	0.21	166	0.25	6.33	96	<0.5
52235	40.9	<0.01	0.02	0.9	0.267	0.22	0.22	166	0.29	9.15	79	0.7
52236	39.5	<0.01	0.01	0.7	0.256	0.33	0.18	134	0.3	6.47	74	0.5
52237	11	<0.01	0.03	6.1	0.225	0.53	1.03	91	0.26	7.22	101	<0.5
52238	16	<0.01	0.03	5.8	0.214	0.48	0.97	105	0.28	6.98	98	<0.5
52239	13.1	<0.01	0.04	5	0.216	0.48	0.79	84	0.21	5.35	44	<0.5
ST-7	70	<0.01	0.02	0.2	0.141	<0.02	0.12	198	<0.05	3.82	21	0.7
52240	130	<0.01	0.06	1.1	0.126	0.2	0.22	90	0.34	4.29	50	<0.5
52241	68.3	<0.01	0.02	0.4	0.139	0.18	0.1	61	0.13	4.68	39	<0.5
52242	32.2	<0.01	0.03	0.8	0.171	0.31	0.17	88	0.15	5.8	46	<0.5
52243	27.2	<0.01	0.03	1.7	0.181	0.32	0.32	82	0.14	5.13	54	<0.5
52244	40.4	0.01	0.26	1.3	0.224	0.34	0.36	119	0.36	12.7	80	0.6
52245	61.5	0.01	0.05	2.2	0.239	0.38	0.31	141	0.27	7.34	84	<0.5
52246	104	0.01	0.03	0.8	0.259	0.22	0.18	115	0.39	12.75	57	1.3
52247	81.7	<0.01	0.01	0.2	0.273	0.2	0.07	82	0.28	10.5	33	1.1
52248	117	0.01	0.02	<0.2	0.247	0.18	<0.05	81	0.27	10.8	30	1
52249	38.3	<0.01	0.05	0.3	0.129	0.14	0.07	61	2.03	4.27	32	0.5
52250	56.2	<0.01	0.04	0.9	0.12	0.15	0.16	83	0.18	7.22	54	<0.5
52251	14.7	<0.01	0.06	2.8	0.209	0.5	0.53	116	0.22	6.8	62	<0.5
52252	62.9	0.01	0.05	1.4	0.127	0.32	0.57	50	0.15	4.56	34	<0.5
52253	27.5	<0.01	0.11	1.5	0.214	0.41	0.28	112	0.22	5.94	38	<0.5
52254	44.6	<0.01	0.05	1.4	0.17	0.39	0.21	109	2.45	4.7	56	<0.5
52255	28.7	<0.01	0.06	1.6	0.257	0.69	0.24	150	0.21	7.26	88	<0.5
52256	62.2	0.01	0.16	1.4	0.224	0.72	0.23	159	0.33	10.55	122	<0.5
52257	32.8	<0.01	0.07	0.3	0.135	0.2	0.07	53	0.17	4.66	26	0.6
52258	25.7	<0.01	0.05	0.5	0.134	0.25	0.12	67	0.16	5.98	36	0.6
52259	19.6	<0.01	0.03	0.6	0.173	0.33	0.13	74	0.13	4.33	37	<0.5
ST-8	68.6	<0.01	0.02	<0.2	0.135	<0.02	0.15	189	<0.05	3.42	22	<0.5
52260	52.5	<0.01	0.04	0.4	0.163	0.18	0.11	64	0.23	6.76	28	0.6
52261	41.4	0.01	0.02	0.2	0.206	0.12	0.08	77	0.26	10.55	26	0.9
52262	38.9	<0.01	0.06	0.6	0.229	0.37	0.12	94	0.2	8.72	45	0.7
52263	20.8	0.01	0.16	1.6	0.28	0.76	0.25	136	0.24	9.25	101	0.6
52264	66.8	0.01	0.01	<0.2	0.349	0.16	0.08	103	0.33	14.55	36	2
52265	30.8	0.01	0.02	<0.2	0.314	0.03	0.06	83	0.25	13.45	25	1.8
52266	80.2	<0.01	0.05	0.7	0.118	0.08	0.12	92	0.39	8.78	49	0.7
52267	41.3	<0.01	0.04	1.6	0.112	0.16	0.2	154	0.63	11.4	83	<0.5
52268	36.8	<0.01	0.08	0.8	0.105	0.12	0.13	65	0.26	5.35	40	0.5
52269	36	<0.01	0.06	0.6	0.122	0.15	0.11	73	0.19	4.59	35	<0.5
52270	11.5	0.01	0.06	3.7	0.259	0.68	0.48	150	0.51	7.13	107	<0.5
52271	22.5	0.01	0.07	1.3	0.244	0.68	0.21	180	0.32	11.4	118	<0.5
52272	42.7	<0.01	0.03	0.3	0.138	0.13	0.06	58	0.25	4.43	34	0.6
52273	62.9	<0.01	0.05	0.5	0.18	0.26	0.13	83	0.29	6.16	43	0.6
52274	61.7	0.01	0.07	0.7	0.168	0.14	0.16	84	0.36	7.14	45	0.7
52275	30.3	<0.01	0.02	0.4	0.192	0.17	0.11	69	0.29	6.95	32	0.7
52276	71.6	0.01	0.02	0.3	0.237	0.15	0.1	76	0.33	9.35	30	1.1
52277	30.4	0.01	0.13	1.2	0.249	0.47	0.26	107	0.28	8.09	62	0.6
52278	56.9	0.01	0.03	0.5	0.348	0.2	0.17	112	0.44	13.45	45	1.6
52279	55.6	0.01	0.01	<0.2	0.293	0.1	0.07	99	0.41	13.75	32	1.7
ST-9	72	<0.01	0.01	<0.2	0.125	<0.02	0.15	200	<0.05	3.65	20	0.5
52280	31.8	0.01	0.01	<0.2	0.297	0.02	0.05	92	0.56	12.7	28	1.9
52281	81.5	0.01	0.02	<0.2	0.233	<0.02	0.05	72	0.75	11.75	21	1.5
52282	41.8	0.01	0.01	<0.2	0.288	0.05	0.06	85	0.38	13.65	23	1.6
52283	42.8	0.01	0.01	<0.2	0.293	0.02	0.06	81	0.51	12.8	23	1.6
52284	48.5	0.01	<0.01	<0.2	0.372	0.06	0.09	116	0.4	15.1	39	1.9
52285	107.5	0.01	0.01	0.7	0.324	0.09	0.18	99	0.59	13.35	40	2.1
52286	55.7	<0.01	0.01	2.8	0.24	0.25	0.44	105	0.25	5.33	73	<0.5
52287	44.8	<0.01	0.02	2.5	0.288	0.3	0.43	99	0.39	4.86	74	<0.5
52288	42.5	0.01	0.04	2	0.279	0.3	0.41	98	0.57	5.46	69	<0.5
52289	25.4	<0.01	0.02	2.2	0.246	0.27	0.42	90	0.25	5.43	67	<0.5
52290	27.4	<0.01	0.04	3.2	0.263	0.33	0.53	105	0.28	5.96	82	<0.5
52291	57.6	0.01	0.02	1.5	0.228	0.14	0.25	100	0.39	9.48	55	0.8
52292	65.2	0.01	0.03	0.8	0.227	0.12	0.15	93	0.72	9.28	45	1
52293	175.5	0.01	0.01	<0.2	0.197	<0.02	<0.05	47	0.24	8.57	14	1
52294	47	0.01	0.01	<0.2	0.24	<0.02	<0.05	46	0.28	8.9	13	1.2
52295	33.7	0.01	0.02	<0.2	0.282	0.06	<0.05	86	0.54	9.18	27	1.4
52296	96.3	0.01	0.02	<0.2	0.247	0.05	<0.05	85	0.5	8.78	30	1.3
52297	109	0.01	0.01	<0.2	0.259	0.02	<0.05	84	0.37	9.9	28	1.1
52298	151.5	0.01	<0.01	<0.2	0.225	<0.02	<0.05	67	0.28	9.31	19	1.1
52299	85.6	0.01	<0.01	<0.2	0.24	<0.02	<0.05	55	0.26	9.16	15	1.2
ST-10	45.3	<0.01	0.01	<0.2	0.169	<0.02	0.07	194	<0.05	3.82	31	1.5
52300	39	0.01	<0.01	<0.2	0.204	<0.02	<0.05	49	0.23	8.17	13	1.1

VA11076427 - Finalized
CLIENT : "MILBAVE - Mill Bay Ventures"
# of SAMPLES : 278
DATE RECEIVED : 2011-05-04 DATE FINALIZED : 2011-05-31
PROJECT : "Valentine BN and Discovery"
CERTIFICATE COMMENTS : "ME-MS41:Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g). "
PO NUMBER : " "

	Au-TL44	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
SAMPLE	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co
DESCRIPTION	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
52301	0.001	0.04	1.38	1	<0.2	<10	<10	0.06	0.01	2.02	0.04	1.97	14.4
52302	<0.001	0.04	1.51	1.9	<0.2	<10	<10	0.09	0.01	1.63	0.04	1.6	13
52303	0.001	0.04	1.35	0.8	<0.2	<10	<10	0.07	0.01	1.75	0.04	1.64	11.6
52304	<0.001	0.04	2.38	0.3	<0.2	<10	<10	0.11	0.01	2.43	0.04	1.96	14.9
52305	0.003	0.05	2	0.5	<0.2	<10	<10	0.09	0.01	2.22	0.05	1.37	13.5
52306	0.002	0.07	2.66	1	<0.2	<10	<10	0.14	0.01	2.63	0.08	1.83	14.5
52307	<0.001	0.08	4.18	1.9	<0.2	<10	<10	0.26	0.02	5.29	0.16	1.99	27.5
52308	0.001	0.04	2.14	0.4	<0.2	<10	20	0.12	0.02	2.76	0.07	2.37	15.9
52309	0.001	0.07	1.56	0.7	<0.2	<10	20	0.06	0.02	2.82	0.11	1.52	12.2
52310	0.001	0.05	2.31	0.2	<0.2	<10	20	0.08	0.02	3.44	0.05	1.89	15.5
52311	0.001	0.04	1.78	1.7	<0.2	<10	<10	0.06	0.01	3.23	0.06	1.41	16.3
52312	0.001	0.04	2.9	8.3	<0.2	<10	20	0.11	0.02	4.39	0.07	1.67	19.2
52313	<0.001	0.06	2.33	0.5	<0.2	<10	<10	0.06	0.02	2.91	0.08	1.41	20.5
52314	<0.001	0.04	2.22	0.3	<0.2	<10	10	0.13	0.01	2.62	0.05	3.12	18.3
52315	<0.001	0.03	1.98	0.2	<0.2	<10	10	0.15	<0.01	2.46	0.04	2.81	16.3
52316	<0.001	0.03	2.35	0.1	<0.2	<10	20	0.14	<0.01	2.59	0.04	3.26	17.1
52317	0.001	0.03	1.97	0.1	<0.2	<10	10	0.1	<0.01	2.28	0.04	2.25	15.2
52318	0.001	0.04	1.83	<0.1	<0.2	<10	<10	0.07	0.01	3.19	0.06	1.3	16.9
52319	0.001	0.03	2.51	<0.1	<0.2	<10	<10	0.09	0.01	2.78	0.04	1.27	16.5
52320	0.001	0.03	3.59	0.2	<0.2	<10	<10	0.09	0.01	2.95	0.03	1.78	18.2
ST-11	0.002	0.02	5.56	<0.1	<0.2	<10	<10	0.15	<0.01	3.39	0.03	5.9	12.5
52321	0.001	0.04	3.68	<0.1	<0.2	<10	<10	0.09	0.01	3.05	0.05	1.2	18.8
52322	0.001	0.03	2.9	0.3	<0.2	<10	<10	0.05	0.01	3.02	0.05	0.83	17
52323	0.001	0.02	2.99	0.1	<0.2	<10	<10	0.1	0.01	2.94	0.04	1.44	15
52324	0.001	0.03	2.07	0.2	<0.2	<10	<10	0.06	0.01	3.05	0.04	0.84	18.6
52325	0.002	0.05	2.27	0.2	<0.2	<10	10	0.05	0.01	4.72	0.06	0.55	17.1
52326	0.001	0.06	3.05	0.3	<0.2	<10	<10	0.06	0.02	4.69	0.21	0.67	20.5
52327	0.001	0.04	2.9	0.1	<0.2	<10	<10	0.13	0.02	3.03	0.04	1.5	14.6
52328	0.001	0.05	2.23	0.2	<0.2	<10	<10	0.08	0.03	4.21	0.04	1.27	20.1
52329	0.002	0.04	2.29	0.9	<0.2	<10	10	0.08	0.02	4.33	0.06	1.14	15.7
52330	0.001	0.04	2.37	0.2	<0.2	<10	10	0.05	0.02	4.55	0.05	1.03	13.4
52331	0.002	0.04	2.15	0.5	<0.2	<10	10	0.07	0.02	4.17	0.06	1.02	12.9
52332	0.002	0.02	1.35	0.3	<0.2	<10	10	0.06	<0.01	2.5	0.05	1.73	15.1
52333	0.003	0.02	0.9	0.3	<0.2	<10	10	<0.05	<0.01	3.92	0.08	1.02	11.2
52334	0.004	0.02	1.96	0.6	<0.2	<10	20	0.07	<0.01	4.6	0.1	0.89	21.7
52335	0.003	0.04	2.97	1.1	<0.2	<10	70	0.08	<0.01	2.01	0.06	0.74	41.7
52336	0.002	0.02	1.46	0.5	<0.2	<10	20	0.06	<0.01	3.27	0.05	1.07	21.5
52337	0.003	0.02	1.76	<0.1	<0.2	<10	20	0.07	<0.01	4.55	0.07	1	17.2
52338	0.002	0.03	1.75	<0.1	<0.2	<10	<10	0.07	0.01	3.87	0.07	1.24	13.5
52339	0.002	0.09	1.23	0.8	<0.2	<10	10	0.06	0.04	3.87	0.08	1.42	17.1
52340	0.002	0.1	2.1	3.3	<0.2	<10	20	0.06	0.05	2.72	0.05	1.06	31.4
ST-12	0.003	0.03	6.42	<0.1	<0.2	<10	10	0.15	<0.01	3.78	0.02	5.61	17.4
52341	0.001	0.07	1.97	2.6	<0.2	<10	10	0.09	0.04	2.33	0.04	1.12	22.2
52342	0.002	0.04	1.8	0.8	<0.2	<10	20	0.06	0.03	2.7	0.04	0.99	17.4
52343	0.001	0.04	2.12	2.4	<0.2	<10	20	0.15	0.03	4.3	0.07	1.06	14.8

	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
SAMPLE	Cr	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg
DESCRIPTION	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%
52301	77	0.15	98.2	1.88	3.65	0.11	0.08	<0.01	0.013	0.02	0.4	9.7	1.04
52302	73	0.22	82	1.64	3.72	0.11	0.07	0.01	0.01	0.02	0.4	14.4	0.95
52303	60	0.17	91.2	1.41	3.17	0.1	0.07	<0.01	0.009	0.01	0.3	11.5	0.79
52304	86	0.36	104.5	1.98	5.1	0.12	0.09	<0.01	0.014	0.02	0.4	12.8	1.12
52305	72	0.73	93.8	1.7	4.24	0.11	0.06	0.01	0.011	0.02	0.3	14	0.99
52306	93	0.53	95.8	2.12	5.55	0.13	0.09	<0.01	0.015	0.03	0.4	15.1	1.38
52307	206	2.93	48.5	4.78	10.75	0.19	0.09	0.01	0.029	0.1	0.5	64.2	3.52
52308	113	1.53	37.4	2.67	5.99	0.12	0.1	0.01	0.017	0.23	0.6	20.7	1.68
52309	87	1.15	45.9	2.06	4.29	0.11	0.07	0.01	0.014	0.16	0.4	22.1	1.23
52310	105	1.24	89.6	2.28	5.43	0.14	0.08	<0.01	0.016	0.24	0.4	16.5	1.13
52311	70	0.24	101	1.92	4.06	0.1	0.06	0.01	0.012	0.05	0.5	14.2	0.75
52312	108	0.28	60.8	2.7	6.43	0.12	0.09	0.09	0.016	0.08	0.5	29.4	1.27
52313	105	0.68	90.9	2.98	6.16	0.12	0.08	<0.01	0.021	0.07	0.3	33	1.93
52314	97	0.39	71.2	2.69	6.31	0.13	0.09	<0.01	0.02	0.08	0.9	22.5	1.77
52315	84	0.48	67.6	2.3	5.35	0.12	0.08	0.01	0.015	0.08	0.8	30.1	1.47
52316	96	0.58	65.1	2.4	5.96	0.12	0.1	0.01	0.018	0.12	0.9	23.2	1.65
52317	85	0.55	76.1	2.15	5.19	0.11	0.08	<0.01	0.014	0.07	0.6	25.1	1.34
52318	89	0.22	92.5	2.44	4.97	0.11	0.11	0.01	0.014	0.04	0.3	18.5	1.3
52319	78	0.2	85.4	1.76	4.67	0.12	0.07	<0.01	0.011	0.02	0.3	16.7	1.03
52320	95	0.32	86.7	2.09	6.32	0.13	0.08	<0.01	0.013	0.03	0.4	13.1	1.38
ST-11	191	<0.05	29.2	3.86	11.2	0.11	0.02	<0.01	0.006	0.02	2.8	0.8	0.76
52321	108	0.19	89.3	2.39	6.59	0.13	0.07	<0.01	0.015	0.04	0.3	21.7	1.69
52322	106	0.24	74.5	2.22	5.64	0.09	0.05	<0.01	0.012	0.02	0.2	31.3	1.6
52323	96	0.32	80.9	1.92	5.59	0.12	0.08	<0.01	0.012	0.04	0.3	14.6	1.31
52324	81	0.49	88.3	1.91	3.95	0.1	0.07	<0.01	0.01	0.09	0.2	16.3	0.94
52325	97	0.96	83.8	2.24	4.17	0.1	0.06	<0.01	0.008	0.31	<0.2	24	1.02
52326	113	0.58	67.9	2.71	6.3	0.13	0.06	0.01	0.014	0.06	0.2	30.9	1.36
52327	69	0.85	91.2	1.64	4.96	0.13	0.07	<0.01	0.011	0.04	0.4	11.5	0.82
52328	70	1.6	91.8	2.03	4.4	0.12	0.07	<0.01	0.009	0.05	0.3	19	0.82
52329	84	1.23	53.5	2.19	4.81	0.12	0.07	0.01	0.01	0.16	0.3	26.4	1.17
52330	76	1.01	65.9	1.82	4.68	0.1	0.07	<0.01	0.008	0.24	0.2	19.3	0.93
52331	77	1.19	74.2	1.79	4.2	0.11	0.08	<0.01	0.015	0.22	0.3	23	0.93
52332	90	1.67	81.3	1.95	3.67	0.1	0.1	0.01	0.012	0.25	0.4	25.7	0.98
52333	61	0.66	96.6	1.4	2.43	0.09	0.1	0.01	0.006	0.11	0.3	12.9	0.65
52334	106	3.26	96.3	2.61	4.75	0.13	0.08	<0.01	0.01	0.5	0.4	33.9	0.94
52335	178	3.5	134.5	4.1	7.33	0.13	0.06	0.01	0.01	1.15	0.4	56.2	1.29
52336	84	1.99	84.6	2.08	3.63	0.11	0.09	<0.01	0.009	0.24	0.3	26.1	0.94
52337	80	2.53	80.2	1.82	3.89	0.1	0.09	<0.01	0.01	0.28	0.3	31.2	1.05
52338	68	0.5	78	1.83	4.16	0.11	0.08	<0.01	0.014	0.06	0.3	11	0.81
52339	66	1.45	188	2.47	3.85	0.13	0.08	<0.01	0.016	0.12	0.4	15.2	0.71
52340	122	1.94	184	3.27	5.7	0.14	0.08	<0.01	0.02	0.44	0.4	27.8	0.91
ST-12	191	<0.05	61.2	4	11.65	0.11	0.03	<0.01	0.008	0.02	2.8	1.2	1.3
52341	98	1.45	115.5	2.61	5.29	0.14	0.08	<0.01	0.018	0.26	0.4	19.8	0.86
52342	85	1.98	69.1	2.24	4.53	0.11	0.08	<0.01	0.014	0.27	0.3	19.5	0.77
52343	73	3.05	56	1.94	4.54	0.12	0.08	<0.01	0.012	0.22	0.3	20.4	0.78

	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
SAMPLE	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn
DESCRIPTION	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
52301	301	0.29	0.23	0.16	30.6	500	0.7	0.3	0.001	0.12	0.12	9.2	0.5	0.2
52302	247	0.21	0.24	0.17	34.1	490	1.3	0.2	0.001	0.07	0.14	7.5	0.4	0.2
52303	224	0.2	0.26	0.23	33.3	500	0.8	0.2	0.001	0.08	0.1	6.6	0.4	0.2
52304	304	0.24	0.43	0.18	37.9	500	0.3	0.2	0.001	0.11	0.12	9.8	0.5	0.3
52305	262	0.25	0.27	0.15	37.1	470	0.7	0.3	0.001	0.1	0.1	7.2	0.4	0.2
52306	350	0.39	0.47	0.16	36.5	440	0.5	0.7	0.001	0.04	0.1	10.3	0.4	0.3
52307	891	0.26	0.1	0.16	57	480	1.5	7.3	0.001	<0.01	0.06	20.3	0.5	0.9
52308	467	0.97	0.21	0.17	33.6	480	0.5	12.5	0.002	<0.01	0.06	12	0.5	0.7
52309	394	0.69	0.13	0.11	23.9	530	0.7	8.3	0.001	0.01	0.05	8.5	0.3	0.2
52310	419	0.28	0.29	0.15	42.3	590	0.4	8.6	0.001	0.06	0.08	11	0.4	0.3
52311	395	0.73	0.2	0.17	42.1	960	0.5	1.4	0.001	0.21	0.08	7.1	0.4	0.2
52312	553	0.31	0.29	0.19	49.3	750	0.6	2	0.001	0.07	0.05	9.9	0.4	0.3
52313	483	0.26	0.14	0.14	42.9	570	0.5	3.4	0.001	0.13	0.12	13	0.5	0.3
52314	411	0.54	0.26	0.41	49.8	950	0.3	2.5	0.001	0.07	0.18	9.9	0.4	0.4
52315	340	0.42	0.18	0.37	48.4	960	0.4	2.5	<0.001	0.08	0.2	7.7	0.4	0.4
52316	370	0.52	0.3	0.41	53.9	870	0.2	3.8	0.001	0.06	0.22	10.9	0.5	0.4
52317	319	0.43	0.21	0.42	44.9	860	0.3	2.7	0.001	0.05	0.19	7.4	0.4	0.3
52318	447	0.09	0.22	0.16	32.4	480	<0.2	1	<0.001	0.12	0.28	10.2	0.5	0.3
52319	298	0.24	0.34	0.18	47.1	410	0.3	0.4	<0.001	0.17	0.17	8	0.5	0.2
52320	340	0.16	0.56	0.15	52.3	390	0.2	0.5	<0.001	0.17	0.18	10.5	0.5	0.2
ST-11	220	0.11	0.61	0.12	31.5	430	0.4	0.2	<0.001	<0.01	<0.05	3	0.2	<0.2
52321	368	0.26	0.51	0.1	52.5	350	0.3	0.9	0.001	0.12	0.11	10	0.4	0.2
52322	374	0.15	0.24	0.1	47.6	400	0.4	0.6	0.001	0.1	0.1	8.5	0.3	0.2
52323	320	0.16	0.44	0.14	42.6	400	0.3	1	<0.001	0.09	0.21	9.9	0.4	0.2
52324	350	0.14	0.33	0.17	51.7	530	0.3	2.8	<0.001	0.2	0.17	8.6	0.4	0.2
52325	432	0.13	0.21	0.1	47.3	420	<0.2	9.8	<0.001	0.08	0.11	7.7	0.3	0.2
52326	527	0.24	0.22	0.14	53.3	440	0.6	2.3	0.001	0.13	0.09	10.6	0.4	0.2
52327	312	0.52	0.58	0.32	52.6	570	0.4	0.9	0.001	0.13	0.13	8.3	0.4	0.2
52328	435	0.44	0.28	0.37	70.2	620	0.3	1.3	<0.001	0.37	0.09	7.3	0.5	0.2
52329	464	0.29	0.23	0.33	51.6	590	0.3	5.4	<0.001	0.07	0.11	7.6	0.4	0.2
52330	413	0.27	0.24	0.25	45.4	570	0.3	8.2	<0.001	0.07	0.1	5.9	0.4	0.2
52331	353	0.11	0.23	0.19	32.9	510	0.2	9.9	<0.001	0.04	0.17	7.5	0.3	0.3
52332	367	0.25	0.2	0.12	32.4	610	<0.2	9.9	<0.001	0.09	0.31	9.6	0.4	0.3
52333	425	0.41	0.15	0.24	25.4	650	<0.2	5.1	0.001	0.07	0.41	7.1	0.3	0.3
52334	656	0.25	0.2	0.13	49.3	1520	1.8	18.8	<0.001	0.08	0.31	11.4	0.3	0.3
52335	489	0.48	0.23	0.07	86.3	1290	0.4	33.3	<0.001	0.23	0.21	12.4	0.4	0.3
52336	457	0.8	0.16	0.32	59.3	620	0.2	10.2	0.001	0.3	0.32	8	0.5	0.2
52337	474	0.29	0.24	0.33	47.8	610	0.2	11.9	<0.001	0.1	0.26	8.2	0.4	0.2
52338	410	0.31	0.26	0.25	31.7	650	0.3	2.2	0.001	0.13	0.17	9.3	0.5	0.3
52339	510	0.27	0.16	0.16	30.9	660	0.3	4.9	0.001	0.43	0.11	9.5	0.7	0.6
52340	414	0.35	0.24	0.1	52.6	1470	0.4	14	<0.001	0.52	0.07	14.4	0.7	0.3
ST-12	316	0.13	0.71	0.11	50.3	390	<0.2	0.2	0.001	0.02	<0.05	3.5	0.3	0.2
52341	352	0.16	0.25	0.11	39	1040	0.3	7.5	<0.001	0.29	0.07	12	0.7	0.4
52342	337	0.16	0.23	0.09	31.9	900	0.3	7.9	<0.001	0.22	0.06	10.3	0.6	0.9
52343	412	0.15	0.25	0.11	25.8	530	0.4	8.1	<0.001	0.09	0.08	9.1	0.5	1.5

	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
SAMPLE	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr
DESCRIPTION	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
52301	21.1	0.01	0.01	<0.2	0.253	<0.02	<0.05	63	0.29	9.13	18	1.4
52302	20.9	0.01	0.01	<0.2	0.213	<0.02	<0.05	53	0.29	7.39	15	0.9
52303	21.6	0.01	0.01	<0.2	0.221	<0.02	<0.05	45	0.29	7.44	13	1
52304	44.2	0.01	0.01	<0.2	0.297	<0.02	<0.05	67	0.34	10.05	18	1.2
52305	50.9	0.01	0.01	<0.2	0.202	<0.02	<0.05	52	0.28	7.04	15	0.9
52306	72.2	0.01	0.01	<0.2	0.282	<0.02	<0.05	71	0.36	10	20	1.3
52307	56.3	0.01	0.01	<0.2	0.296	0.05	<0.05	160	0.95	11.25	59	1
52308	30.1	0.01	0.01	<0.2	0.357	0.08	<0.05	91	0.75	10.4	31	1.7
52309	31.8	<0.01	0.01	<0.2	0.239	0.06	<0.05	66	0.61	7.1	22	1.1
52310	72.8	0.01	0.02	<0.2	0.315	0.06	<0.05	73	0.53	10.4	25	1.5
52311	56	<0.01	0.02	<0.2	0.186	<0.02	<0.05	53	0.41	7.42	21	0.9
52312	90.4	0.01	0.03	<0.2	0.279	0.02	0.06	76	73.7	9.24	37	1.5
52313	52.4	0.01	0.01	<0.2	0.239	0.02	<0.05	102	0.37	9.25	31	0.9
52314	41.1	0.01	<0.01	<0.2	0.314	<0.02	0.07	88	0.36	10.55	29	1.3
52315	41.2	0.01	<0.01	<0.2	0.286	0.02	0.07	73	0.32	8.47	24	1.3
52316	49.2	0.01	<0.01	<0.2	0.31	0.02	0.08	80	0.23	9.99	24	1.3
52317	49.7	0.01	<0.01	<0.2	0.263	0.02	0.05	69	0.24	8.41	22	1.1
52318	37.1	0.01	<0.01	<0.2	0.361	<0.02	<0.05	83	0.34	10.75	25	1.5
52319	86	0.01	0.01	<0.2	0.225	<0.02	<0.05	53	0.2	7.41	15	1.1
52320	108.5	0.01	0.01	<0.2	0.261	<0.02	<0.05	64	0.19	9.66	18	1.1
ST-11	81.9	<0.01	0.02	<0.2	0.125	<0.02	0.13	216	<0.05	3.18	17	<0.5
52321	131	<0.01	0.01	<0.2	0.194	<0.02	<0.05	72	0.18	7.85	21	0.8
52322	72.6	<0.01	0.01	<0.2	0.164	<0.02	<0.05	67	0.22	5.86	21	0.7
52323	67.7	0.01	0.01	<0.2	0.26	<0.02	<0.05	63	0.2	8.68	17	1.2
52324	52.5	0.01	0.01	<0.2	0.219	0.02	<0.05	53	0.23	6.98	19	1
52325	52.6	<0.01	0.01	<0.2	0.235	0.05	<0.05	61	0.27	5.3	24	1
52326	73.2	0.01	0.02	<0.2	0.212	<0.02	<0.05	81	3.77	6.7	55	0.9
52327	83.7	0.01	0.02	<0.2	0.271	<0.02	<0.05	51	0.37	8.31	15	1
52328	81.4	0.01	0.04	<0.2	0.271	<0.02	<0.05	51	0.46	7.57	16	1.2
52329	52.2	0.01	0.02	<0.2	0.282	0.04	<0.05	61	0.61	7.72	24	1.1
52330	64.2	0.01	0.02	<0.2	0.279	0.05	<0.05	53	0.47	7.71	18	1.1
52331	66.9	0.01	0.02	<0.2	0.291	0.06	<0.05	53	0.36	8.39	18	1.2
52332	23.9	<0.01	0.01	<0.2	0.313	0.06	<0.05	67	0.25	10.4	22	1.3
52333	20	<0.01	0.01	<0.2	0.295	0.04	<0.05	48	0.31	9.13	16	1.3
52334	42.6	<0.01	<0.01	<0.2	0.263	0.12	<0.05	69	0.34	7.93	53	1.3
52335	34.8	<0.01	0.01	<0.2	0.313	0.22	<0.05	99	0.28	5.79	92	0.8
52336	34.1	<0.01	<0.01	<0.2	0.3	0.07	<0.05	57	0.3	7.22	23	1.6
52337	49.6	<0.01	<0.01	<0.2	0.319	0.07	<0.05	56	0.24	7.7	21	1.6
52338	71.7	<0.01	0.02	<0.2	0.262	0.02	<0.05	58	0.29	9.56	17	1.5
52339	26.6	<0.01	0.08	<0.2	0.267	0.04	0.07	58	0.7	9.84	22	1.7
52340	34.8	<0.01	0.07	<0.2	0.271	0.11	<0.05	79	0.7	10.3	56	1.6
ST-12	85.8	<0.01	0.02	<0.2	0.139	<0.02	0.13	186	<0.05	3.33	24	0.6
52341	36.4	<0.01	0.04	<0.2	0.268	0.06	<0.05	71	0.81	9.56	42	1.7
52342	46	<0.01	0.03	<0.2	0.259	0.06	<0.05	61	0.74	8.66	34	1.6
52343	157	0.01	0.02	<0.2	0.288	0.07	<0.05	61	0.76	8.84	23	1.7

Valentine Mountain Project Drill Core Log and Sample Record

Date/Target:	**April, 2011 / BN Zone**								**Acid Tests:**	**Hole Number:**	**11-2**	
Location:	**UTM NAD83 Zone 10N 430890E 5375091N 458 m. elevation uncorrected**								**none**	**Collar Azimuth:**	**180**	
Total Length:	**845 feet = 257.56 metres**									**Collar Dip:**	**-50**	

Sample No	FROM ft	TO ft	WIDTH ft	Description
52231	70	74	4	6% qtz 0.1-2 cm @55-80 degrees to ca, 2% cal, 5% chl,1% diss & frac fill py, pyo
52232	74	77.5	3.5	6% qtz 0.1-1.5 cm @55-80 degrees to ca, 2% cal, 5% chl,1% diss & frac fill py, pyo
52233	190	195	5	2% qtz 0.1-0.3 cm @50-60 degrees to ca, 1% cal, 3% chl,1% diss & frac fill py, pyo, fault at 190-190.3, minor clay alteration, breccia texture
52234	195	200	5	2% qtz 0.1-0.3 cm @50-60 degrees to ca, 2% andalusite, 1% garnet as 1-3 mm porpyryblasts, 1% pink feldspar, 1% cal, 3% chl,1% diss & frac fill py, pyo
52235	200	205	5	2% qtz 0.1-0.3 cm @50-60 degrees to ca, 2% andalusite, 1% garnet as 1-3 mm porpyryblasts, 1% pink feldspar, 1% cal, 3% chl,1% diss & frac fill py, pyo
52236	205	210	5	2% qtz 0.1-0.3 cm @50-60 degrees to ca, 2% andalusite, 1% garnet as 1-3 mm porpyryblasts, 1% pink feldspar, 1% cal, 3% chl,1% diss & frac fill py, pyo
52237	227.5	232.5	5	2% qtz 0.1-1 cm @50-65 degrees to ca, 1% diss & frac fill py, broken ground, wk fault zone, minor clay
52238	232.5	237	4.5	2% qtz 0.1-1 cm @50-65 degrees to ca, 1% diss & frac fill py, broken ground, wk fault zone, minor clay
52239	237	242	5	2% qtz 0.1-1 cm @50-65 degrees to ca, 1% diss & frac fill py, broken ground, wk fault zone, minor clay
52240	242	247	5	2% qtz 0.1-1 cm @50-65 degrees to ca, 1% diss & frac fill py, broken ground, wk fault zone, minor clay
52241	262	266.8	4.8	2% qtz 0.1-0.3 cm @50-60 degrees to ca, 2% pink feldspar, 1% cal, 3% chl,1% diss & frac fill py, pyo
52242	266.8	271.3	4.5	2% qtz 0.1-0.3 cm @50-60 degrees to ca, 2% pink feldspar, 1% cal, 3% chl,1% diss & frac fill py, pyo
52243	271.3	274.3	3	2% qtz 0.1-0.3 cm @50-60 degrees to ca, 2% pink feldspar, 1% cal, 3% chl,1% diss & frac fill py, pyo
52244	274.3	276.3	2	2% qtz 0.1-0.3 cm @50-60 degrees to ca, 15% pink feldspar, 1% cal, 3% chl,2% diss & frac fill py, pyo
52245	288	293	5	2% qtz 0.1-1 cm @50-65 degrees to ca, 1% diss & frac fill py, broken ground, wk fault zone, minor clay
52246	293	298	5	2% qtz 0.1-0.3 cm @50-60 degrees to ca, 6% pink feldspar, 1% cal, 3% chl,2% diss & frac fill py, pyo
52247	298	303	5	5% qtz 0.1-4 cm @40-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo, bleached alteration
52248	303	308	5	3% qtz 0.1-4 cm @40-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo, bleached alteration
52249	308	313	5	3% qtz 0.1-4 cm @40-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo, bleached alteration
52250	313	315.5	2.5	2% qtz 0.1-0.3 cm @60-80 degrees to ca, 8% pink feldspar, 1% cal, 3% chl,2% diss & frac fill py, pyo
52251	315.5	320	4.5	2% qtz 0.1-4 cm @40-50 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo,
52252	320	323	3	85% qtz (grey and milky white) 0.1-44 cm veins @70-75 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo,
52253	323	329	6	2% qtz 0.1-1 cm @40-58 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52254	329	335	6	2% qtz 0.1-1 cm @40-58 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52255	335	337.3	2.3	15% qtz 0.1-1 cm @40-60 degrees to ca, 3% pink feldspar,1% cal, 2% chl,1% diss & frac fill py, pyo
52256	337.3	341	3.7	3% qtz 0.1-1 cm @40-60 degrees to ca, 7% pink feldspar,1% cal, 2% chl,1% diss & frac fill py, pyo
52257	341	347.2	6.2	2% qtz 0.1-1 cm @40-60 degrees to ca, 2% pink feldspar,1% cal, 2% chl,1% diss & frac fill py, pyo
52258	347.2	350.8	3.6	2% qtz 0.1-1 cm @40-60 degrees to ca, 2% pink feldspar,1% cal, 2% chl,1% diss & frac fill py, pyo
52259	350.8	356	5.2	2% qtz 0.1-1 cm @40-60 degrees to ca, 2% pink feldspar,1% cal, 2% chl,1% diss & frac fill py, pyo
52260	356	361.5	6.5	2% qtz 0.1-1 cm @40-60 degrees to ca, 2% pink feldspar,1% cal, 2% chl,1% diss & frac fill py, pyo
52261	361.5	368.2	6.7	2% qtz 0.1-1 cm @40-60 degrees to ca, 2% pink feldspar,1% cal, 2% chl,1% diss & frac fill py, pyo
52262	368.2	373.6	5.4	2% qtz 0.1-1 cm @40-60 degrees to ca, 2% pink feldspar,1% cal, 2% chl,1% diss & frac fill py, pyo
52263	373.6	377	3.4	5% qtz 0.1-1 cm @40-60 degrees to ca, 12% pink feldspar,1% cal, 2% chl,1% diss & frac fill py, pyo
52264	377	381	4	2% qtz 0.1-1 cm @40-60 degrees to ca, 2% pink feldspar,1% cal, 2% chl,1% diss & frac fill py, pyo
52265	381	385	4	2% qtz 0.1-1 cm @40-60 degrees to ca, 2% pink feldspar,1% cal, 2% chl,1% diss & frac fill py, pyo
52266	421.5	427.5	6	2% qtz 0.1-1 cm @50-70 degrees to ca, 1% diss & frac fill py, broken ground, wk fault zone, minor clay
52267	427.5	430.5	3	2% qtz 0.1-1 cm @50-70 degrees to ca, 1% diss & frac fill py, broken ground, wk fault zone, minor clay
52268	430.5	435.7	5.2	2% qtz 0.1-1 cm @50-70 degrees to ca, 1% diss & frac fill py, broken ground, wk fault zone, minor clay
52269	435.7	439.8	4.1	2% qtz 0.1-1 cm @50-70 degrees to ca, 1% diss & frac fill py, broken ground, wk fault zone, minor clay
52270	439.8	444	4.2	2% qtz 0.1-1 cm @40-55 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52271	444	446.6	2.6	5% qtz 0.1-1 cm @40-60 degrees to ca, 25% pink feldspar (brecciated),1% cal, 2% chl,3% diss & frac fill py, pyo
52272	446.6	452	5.4	2% qtz 0.1-1 cm @40-68 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52273	452	456.9	4.9	2% qtz 0.1-1 cm @40-68 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52274	456.9	461.8	4.9	2% qtz 0.1-1 cm @40-68 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52275	461.8	466.5	4.7	2% qtz 0.1-1 cm @40-68 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52276	466.5	472	5.5	2% qtz 0.1-1 cm @40-68 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52277	472	478.5	6.5	2% qtz 0.1-1 cm @40-68 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52278	478.5	484.5	6	2% qtz 0.1-1 cm @40-68 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52279	484.5	490	5.5	2% qtz 0.1-1 cm @40-68 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52280	490	496.4	6.4	2% qtz 0.1-1 cm @40-68 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52281	496.4	500	3.6	20% qtz 0.1-8 cm @60-70 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52282	500	505	5	2% qtz 0.1-1 cm @40-65 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52283	505	510	5	2% qtz 0.1-1 cm @40-65 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52284	510	515	5	2% qtz 0.1-1 cm @40-65 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52285	515	520	5	2% qtz 0.1-1 cm @40-65 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52286	520	525	5	2% qtz 0.1-1 cm @40-65 degrees to ca,1% diss & frac fill py, pyo
52287	525	530	5	2% qtz 0.1-1 cm @40-65 degrees to ca,1% diss & frac fill py, pyo
52288	530	535	5	2% qtz 0.1-1 cm @40-65 degrees to ca,1% diss & frac fill py, pyo
52289	535	540	5	2% qtz 0.1-1 cm @40-65 degrees to ca,1% diss & frac fill py, pyo
52290	540	545	5	2% qtz 0.1-1 cm @40-65 degrees to ca,1% diss & frac fill py, pyo
52291	545	550	5	2% qtz 0.1-1 cm @40-65 degrees to ca, weak clay alteration, fault at 547.5-550, 1% diss & frac fill py, pyo
52292	550	554.7	4.7	2% qtz 0.1-1 cm @40-75 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52293	554.7	558	3.2	2% qtz 0.1-1 cm @40-75 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52294	558	565	7	2% qtz 0.1-1 cm @40-75 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52295	565	570	5	2% qtz 0.1-1 cm @40-75 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52296	570	575	5	2% qtz 0.1-1 cm @40-75 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52297	575	580	5	2% qtz 0.1-1 cm @40-75 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52298	580	585	5	2% qtz 0.1-1 cm @40-75 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52299	585	590	5	2% qtz 0.1-1 cm @40-75 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52300	590	595	5	2% qtz 0.1-1 cm @40-75 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52301	595	600	5	2% qtz 0.1-1 cm @40-75 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52302	600	605	5	2% qtz 0.1-1 cm @40-75 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52303	605	610.5	5.5	2% qtz 0.1-1 cm @40-75 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52304	610.5	616	5.5	2% qtz 0.1-1 cm @40-75 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52305	616	622	6	2% qtz 0.1-1 cm @40-75 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52306	622	627.5	5.5	2% qtz 0.1-1 cm @40-75 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52307	627.5	632	4.5	15% qtz 0.1-5 cm @20-80 degrees to ca, 1% cal, 2% chl,4% diss & frac fill py, pyo, contorted foliation, fault at 629, slickensides @ 45-60 degrees to ca
52308	632	637.5	5.5	2% qtz 0.1-1 cm @45-75 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52309	637.5	643	5.5	2% qtz 0.1-1 cm @45-75 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52310	643	649	6	2% qtz 0.1-1 cm @45-75 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52311	649	655	6	2% qtz 0.1-1 cm @45-75 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52312	655	658	3	2% qtz 0.1-1 cm @45-75 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52313	688	693	5	2% qtz 0.1-1 cm @45-75 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52314	693	698	5	2% qtz 0.1-1 cm @45-75 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52315	698	703	5	2% qtz 0.1-1 cm @45-75 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52316	703	708	5	2% qtz 0.1-1 cm @45-75 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52317	708	713	5	2% qtz 0.1-1 cm @45-75 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52318	713	718	5	2% qtz 0.1-1 cm @45-75 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52319	718	724	6	2% qtz 0.1-1 cm @45-75 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo, qtz-cal veins have 1-3 cm clay alteration selvages
52320	724	730	6	2% qtz 0.1-1 cm @45-75 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo, qtz-cal veins have 1-3 cm clay alteration selvages
52321	730	735	5	2% qtz 0.1-1 cm @45-75 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo, qtz-cal veins have 1-3 cm clay alteration selvages
52322	735	740	5	2% qtz 0.1-1 cm @45-75 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo, qtz-cal veins have 1-3 cm clay alteration selvages
52323	740	745	5	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52324	745	750	5	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52325	750	755	5	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52326	755	760	5	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52327	760	765	5	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52328	765	770	5	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52329	770	775	5	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52330	775	780	5	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52331	780	785	5	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52332	785	790	5	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52333	790	795	5	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52334	795	800	5	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52335	800	805	5	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52336	805	810	5	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52337	810	815	5	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52338	815	820	5	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52339	820	825	5	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52340	825	830	5	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52341	830	835	5	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52342	835	840	5	2% qtz 0.1-1 cm @20-60 degrees to ca, 1% cal, 2% chl,1% diss & frac fill py, pyo
52343	840	845	5	10% qtz 0.1-2 cm @20-60 degrees to ca, late qtz-anhydrite-gypsum @ 05 degrees to ca, 1% cal, 2% chl, 2% diss & frac fill py, pyo

Valentine Mountain Project Drill Core Log and Sample Record

Date/Target:	**April, 2011 / Discovery Zone**		**Pajari Test**	**Azimuth**	**Dip**	**Hole Number:**		**11-4**	
Location:	**UTM NAD83 Zone 10N 434640E 5374140N 813 m. elevation uncorrected**		**860 feet**	**339**	**-51**	**Collar Azimuth:**		**0**	
Total Length:	**860 feet = 262.13 metres**		**262.13 metres**	**339**	**-51**	**Collar Dip:**		**-60**	
Interval (m)	**Description**	**Rx**	**Sample No**	**From (m)**	**To (m)**	**Length (m)**	**Au g/t**	**Ag g/t**	**As ppm**
2.13	Overburden	casing		0.00	2.13	2.13			
1.07	4% qtz 0.1-1.5 cm @45 degrees to ca, 1% diss & frac fill py, tr limonite fract fill, 7-11 broken grd, 7-88 unit 2 gneiss (metasandstone)	2	52441	2.13	3.20	1.07	0.001	0.09	19
1.28	3% qtz 0.1-0.5 cm @35-65 degrees to ca, 1% diss & frac fill py, trace limonite fracture filling	2	52442	3.20	4.48	1.28	<0.001	0.08	9.3
0.76	4% qtz 0.1-6.5 cm @45-65 degrees to ca, 1% diss & frac fill py	2	52443	4.48	5.24	0.76	0.001	0.07	4.4
0.98	4% qtz 0.1-6.5 cm @45-65 degrees to ca, 1% diss & frac fill py	2	52444	5.24	6.22	0.98	0.001	0.05	5.9
1.25	4% qtz 0.1-6.5 cm @45-65 degrees to ca, 1% diss & frac fill py, 2% chl, 20-21 & 24-24.5 broken ground	2	52445	6.22	7.47	1.25	<0.001	0.04	6.5
1.80	4% qtz 0.1-2.5 cm @45-65 degrees to ca, 1% diss & frac fill py	2	52446	7.47	9.27	1.80	<0.001	0.09	6.5
1.16	4% qtz 0.1-1.5 cm @45-65 degrees to ca, 1% diss & frac fill py, 30-30.5 & 33.2-34.2 broken ground	2	52447	9.27	10.42	1.16	0.001	0.07	33.4
0.34	6% qtz 0.1-1.5 cm @45-65 degrees to ca, 1% diss & frac fill py	2	52448	10.42	10.76	0.34	<0.001	0.05	17.2
1.52	6% qtz 0.1-1.5 cm @45-65 degrees to ca, 1% diss & frac fill py	2	52449	10.76	12.28	1.52	0.001	0.09	42.4
1.68	3% qtz 0.1-2 cm @60-70 degrees to ca, 1% diss & frac fill py	2	52450	12.28	13.96	1.68	0.001	0.05	23.8
1.52	4% qtz 0.1-1 cm @60-65 degrees to ca, 1% diss & frac fill py	2	52451	13.96	15.48	1.52	0.001	0.06	7.7
0.67	20% qtz 0.1-6 cm @35-65 degrees to ca, 3% chl, 4% diss & frac fill py, c.gr marcasite, tr arsenopyrite, 50.8-51.9 broken ground	6	52452	15.48	16.15	0.67	0.001	0.06	439
1.58	3% qtz 0.1-0.5 cm @45-65 degrees to ca, 1% diss & frac fill py	2	52453	16.15	17.74	1.58	0.001	0.07	4.3
1.83	3% qtz 0.1-1 cm @45-65 degrees to ca, 1% diss & frac fill py	2	52454	17.74	19.57	1.83	<0.001	0.1	5.6
1.46	3% qtz 0.1-2.5 cm @45-65 degrees to ca, 1% diss & frac fill py	2	52455	19.57	21.03	1.46	<0.001	0.08	2.9
0.34	3% qtz 0.1-1 cm @45-65 degrees to ca, 1% diss & frac fill py, 1% calcite, 83-85.5 broken ground	2	52456	21.03	21.37	0.34	0.001	0.16	2.6
2.13	3% qtz 0.1-1 cm @45-65 degrees to ca, 1% diss & frac fill py, 1% calcite, 88-163 unit 2 gneiss (metasandstone) and intercalated unit 1 schist (metapelite)	2	52457	21.37	23.50	2.13	0.001	0.07	2.2
1.65	3% qtz 0.1-1 cm @45-65 degrees to ca, 1% diss & frac fill py, 1% calcite	2	52458	23.50	25.15	1.65	0.001	0.11	2.4
1.40	3% qtz 0.1-1 cm @45-65 degrees to ca, 1% diss & frac fill py, 1% calcite	2	52459	25.15	26.55	1.40	<0.001	0.24	7.2
3.02		1		26.55	29.57	3.02			
1.28	5% qtz 0.1-3 cm @55-65 degrees to ca, 1% diss & frac fill py	1	52460	29.57	30.85	1.28	<0.001	0.14	10.7
1.28	3% qtz 0.1-2 cm @50-70 degrees to ca, 1% diss & frac fill py, 108.8-109.3 broken ground	1	52461	30.85	32.13	1.28	<0.001	0.11	3.3
1.25	5% qtz 0.1-3 cm @25-65 degrees to ca, 1% diss & frac fill py, 2% chlorite	1	52462	32.13	33.38	1.25	0.001	0.1	2.9
1.22	4% qtz 0.1-2.5 cm @55-65 deg to ca, 3% diss & frac fill py, 2% chl	1	52463	33.38	34.59	1.22	<0.001	0.08	1.4
0.61	65% qtz 3-40 cm @75 degrees to ca, 4% diss & frac fill py, pyo,	6	52464	34.59	35.20	0.61	0.001	0.09	1.2
1.37	3% qtz 0.1-1 cm @60-65 degrees to ca, 1% diss & frac fill py	1	52465	35.20	36.58	1.37	<0.001	0.11	0.5
1.52	3% qtz 0.1-1 cm @60-65 degrees to ca, 1% diss & frac fill py	1	52466	36.58	38.10	1.52	0.001	0.13	0.7
1.52	3% qtz 0.1-1 cm @60-65 degrees to ca, 1% diss & frac fill py	1	52467	38.10	39.62	1.52	<0.001	0.13	5.3
3.72		1		39.62	43.34	3.72			
2.13	5% qtz 0.1-4 cm @50-65 degrees to ca, 2% diss & frac fill py, pyo	1	52468	43.34	45.48	2.13	0.001	0.14	11
1.92	8% qtz 1-4 cm vns @50-65 degrees to ca, 1% diss & frac fill py, 148-163 broken ground	1	52469	45.48	47.40	1.92	0.001	0.09	7.3
1.98	3% qtz 0.1-1 cm @55-70 degrees to ca, 1% diss & frac fill py	1	52470	47.40	49.38	1.98	0.001	0.07	11.1
1.22	5% qtz 0.1-5 cm @65-70 degrees to ca, 1% diss & frac fill py	2	52471	49.38	50.60	1.22	0.001	0.08	2.7
0.46	35% qtz 0.1-6 cm @30-40 degrees to ca, 4% diss & frac fill py, pyo, 5% sec brown biotite, late vuggy qtz-cal, weak breccia texture, 166-166.5 broken grd, 163-507.5 unit 2 gneiss (metasandstone)	6	52472	50.60	51.05	0.46	0.001	0.06	4.5
1.07	4% qtz 0.1-1 cm @50-65 degrees to ca, 1% diss & frac fill py	2	52473	51.05	52.12	1.07	0.001	0.07	2.8
1.31	10% qtz 0.1-5 cm @10-30 & 80 degrees to ca, 1% diss & frac fill py, late vuggy qtz-cal, weak breccia texture, 2% calcite	6	52474	52.12	53.43	1.31	0.001	0.07	4.2
1.49	12% qtz 0.1-1 cm @50-75 degrees to ca, 3% diss & frac fill py	6	52475	53.43	54.92	1.49	0.003	0.07	118.5
1.46	4% qtz 0.1-1 cm @40-75 degrees to ca, 1% diss & frac fill py, 5% sericite-muscovite, 4% brown biotite, 187.2-187.8 broken ground	2	52476	54.92	56.39	1.46	0.001	0.08	1.7
1.34	3% qtz 0.1-3 cm @60-65 degrees to ca, 1% diss & frac fill py, 5% sericite-muscovite, 4% brown biotite	2	52477	56.39	57.73	1.34	0.001	0.08	2
1.34	18% qtz 0.1-20 cm @30-70 degrees to ca, 1% diss & frac fill py, 5% sericite-muscovite, 4% brown biotite	6	52478	57.73	59.07	1.34	0.001	0.08	5.4
1.16	20% qtz 0.1-25 cm @60-65 degrees to ca, 1% diss & frac fill py, 5% sericite-muscovite, 4% brown biotite	6	52479	59.07	60.23	1.16	0.001	0.06	3.6
0.98	3% qtz 0.1-0.5 cm @60-65 degrees to ca, 1% diss & frac fill py, 5% sericite-muscovite, 4% brown biotite	2	52480	60.23	61.20	0.98	0.003	0.07	1910
0.94	20% qtz 0.1-12 cm @30-65 degrees to ca, 3% diss & frac fill py, 5% sericite-muscovite, 4% brown biotite, foliation 55-65 to ca	6	52481	61.20	62.15	0.94	0.012	0.05	2970
1.04	3% qtz 0.1-1.5 cm @50-65 degrees to ca, 1% diss & frac fill py, 211.3-212.3 broken ground	2	52482	62.15	63.19	1.04	0.001	0.08	451
1.28	4% qtz 0.1-1 cm @50-65 degrees to ca, 1% diss & frac fill py, 4% chl, 215.5-219.3 broken ground	2	52483	63.19	64.47	1.28	0.001	0.07	41
0.98	4% qtz 0.1-1 cm @50-65 degrees to ca, 1% diss & frac fill py	2	52484	64.47	65.44	0.98	0.001	0.08	14.1
0.98	4% qtz 0.1-1 cm @60-65 degrees to ca, 1% diss & frac fill py	2	52485	65.44	66.42	0.98	0.001	0.1	52.2
0.91	12% qtz 0.1-3 cm @50-75 degrees to ca, 2% diss & frac fill py,	6	52486	66.42	67.33	0.91	0.001	0.04	22.7
0.94	3% qtz 0.1-1 cm @60-65 deg to ca, 1% diss & frac fill py	2	52487	67.33	68.28	0.94	0.014	0.05	25.6
0.30		2		68.28	68.58	0.30			
1.52		2		68.58	70.10	1.52			
1.52		2		70.10	71.63	1.52			
1.52		2		71.63	73.15	1.52			
1.52		2		73.15	74.68	1.52			
1.52		2		74.68	76.20	1.52			
1.22		2		76.20	77.42	1.22			
1.83	3% qtz 0.1-1 cm @30-55 degrees to ca, 2% diss & frac fill py	2	52488	77.42	79.25	1.83	0.007	0.05	13.6
1.52	15% qtz 0.1-3 cm @65-80 degrees to ca, 3% diss & frac fill py, weak qtz stwk & sheeted texture developed	6	52489	79.25	80.77	1.52	0.004	0.04	8.8
1.52	4% qtz 0.1-3 cm @40-70 degrees to ca, 1% diss & frac fill py, 269.9-270 trace graphite & slickensides	2	52490	80.77	82.30	1.52	0.001	0.06	7.1
1.52		2		82.30	83.82	1.52			
1.52		2		83.82	85.34	1.52			
0.46		2		85.34	85.80	0.46			
1.55	10% qtz 0.1-3.5 cm @60-65 degrees to ca, 3% diss & frac fill py, pyo, trace arsenopyrite	6	52491	85.80	87.36	1.55	0.001	0.08	5.7
1.58	20% qtz 0.1-6 cm @30-65 degrees to ca, 3% diss & frac fill py, pyo, trace-0.1% arsenopyrite (triangle shaped micro x-tals)	6	52492	87.36	88.94	1.58	0.001	0.1	11.5
1.58	5% qtz 0.1-3 cm @30-65 degrees to ca, 1% diss & frac fill py,	2	52493	88.94	90.53	1.58	0.01	0.1	57
1.55	3% qtz 0.1-1 cm @60-65 degrees to ca, 2% cal, 1% diss & frac fill py,	2	52494	90.53	92.08	1.55	0.001	0.09	9.5
1.52	6% qtz 0.1-3 cm @30-70 degrees to ca, 1% cal, 3% diss & frac fill py,	2	52495	92.08	93.60	1.52	0.09	0.12	2230
1.55	12% qtz 0.1-5 cm @55-75 degrees to ca, 2% cal, 2% diss & frac fill py,	6	52496	93.60	95.16	1.55	0.05	0.14	29.3
0.85		2		95.16	96.01	0.85			
1.22		2		96.01	97.23	1.22			
1.83	4% qtz 0.1-1 cm @55-65 degrees to ca, 1% cal, 1% diss & frac fill py,	2	52497	97.23	99.06	1.83	0.001	0.1	4.2
1.52	4% qtz 0.1-1 cm @55-65 degrees to ca, 1% cal, 1% diss & frac fill py,	2	52498	99.06	100.58	1.52	<0.001	0.07	6.8
1.52	4% qtz 0.1-1 cm @55-65 degrees to ca, 1% cal, 1% diss & frac fill py,	2	52499	100.58	102.11	1.52	0.001	0.1	2.8
1.52	8% qtz 0.1-12 cm @45-65 degrees to ca, 1% cal, 1% diss & frac fill py, 2% sericite-muscovite, foliation contorted	2	52500	102.11	103.63	1.52	<0.001	0.07	1.6
1.52	8% qtz 0.1-12 cm @45-65 degrees to ca, 1% cal, 1% diss & frac fill py, 2% sericite-muscovite, foliation contorted	2	52501	103.63	105.16	1.52	<0.001	0.06	1.6
1.52	8% qtz 0.1-12 cm @45-65 degrees to ca, 1% cal, 1% diss & frac fill py, 2% sericite-muscovite, foliation contorted	2	52502	105.16	106.68	1.52	0.002	0.05	5.4
1.52	8% qtz 0.1-12 cm @45-65 degrees to ca, 1% cal, 1% diss & frac fill py, 2% sericite-muscovite, foliation contorted	2	52503	106.68	108.20	1.52	0.002	0.05	2.2
1.52	8% qtz 0.1-12 cm @45-65 degrees to ca, 1% cal, 1% diss & frac fill py, 2% sericite-muscovite, foliation contorted	2	52504	108.20	109.73	1.52	0.002	0.05	2.4
2.07	4% qtz 0.1-2 cm @60 degrees to ca, 1% cal, 1% diss & frac fill py, pyo	2	52505	109.73	111.80	2.07	0.002	0.04	2.5
0.67	15% qtz 0.1-7 cm @40-70 degrees to ca, 3% cal, 1% diss & frac fill py,pyo	6	52506	111.80	112.47	0.67	0.002	0.07	9.9
0.85	3% qtz 0.1-2 cm @55-75 degrees to ca, 1% cal, 1% diss & frac fill py, pyo	2	52507	112.47	113.32	0.85	0.002	0.04	2.2
0.30	35% qtz 0.1-11 cm @55-75 degrees to ca, 1% cal, 1% diss & frac fill py, pyo, foliation 55-65	6	52508	113.32	113.63	0.30	0.003	0.05	2.1
2.65	2% qtz 0.1-2 cm @50-70 degrees to ca, 1% cal, 1% diss & frac fill py, 381.5-382.3 broken ground	2	52509	113.63	116.28	2.65	0.002	0.06	2.1
1.37	3% qtz 0.1-1 cm @50-70 degrees to ca, 1% cal, 1% diss & frac fill py,	2	52510	116.28	117.65	1.37	0.002	0.06	4.3
1.37	8% qtz 0.1-5 cm @40-70 degrees to ca, 2% cal, 2% diss & frac fill py	2	52511	117.65	119.02	1.37	0.001	0.07	1.8
1.37		2		119.02	120.40	1.37			
1.52		2		120.40	121.92	1.52			
1.13		2		121.92	123.05	1.13			
1.62	6% qtz 0.1-3 cm @75 degrees to ca, 2% cal, 1% diss & frac fill py	2	52512	123.05	124.66	1.62	0.001	0.08	1.5
1.68	3% qtz 0.1-1 cm @75 degrees to ca, 1% cal, 1% diss & frac fill py	2	52513	124.66	126.34	1.68	0.001	0.07	1.9
1.83	3% qtz 0.1-1 cm @75 degrees to ca, 1% cal, 1% diss & frac fill py	2	52514	126.34	128.17	1.83	0.002	0.08	5
1.37		2		128.17	129.54	1.37			
1.52		2		129.54	131.06	1.52			
1.52		2		131.06	132.59	1.52			
1.52		2		132.59	134.11	1.52			
0.98		2		134.11	135.09	0.98			
0.76	6% qtz 0.1-2 cm @30-70 degrees to ca, 4% cal, 1% diss & frac fill py, pyo, contorted foliation	2	52515	135.09	135.85	0.76	0.001	0.09	10.6
1.40	6% qtz 0.1-1.5 cm @55-70 degrees to ca, 1% cal, 1% diss & frac fill py, pyo	2	52516	135.85	137.25	1.40	0.002	0.06	4.7
1.43	6% qtz 0.1-1.5 cm @55-70 degrees to ca, 1% cal, 1% diss & frac fill py, pyo	2	52517	137.25	138.68	1.43	0.003	0.09	11.3
1.52	6% qtz 0.1-1.5 cm @55-70 degrees to ca, 1% cal, 1% diss & frac fill py, pyo	2	52518	138.68	140.21	1.52	0.002	0.08	11.7
1.52		2		140.21	141.73	1.52			
1.52		2		141.73	143.26	1.52			
1.52		2		143.26	144.78	1.52			
1.52		2		144.78	146.30	1.52			
0.61		2		146.30	146.91	0.61			
1.37	6% qtz 0.1-1.5 cm @55-70 degrees to ca, 1% cal, 1% diss & frac fill py, pyo	2	52519	146.91	148.29	1.37	0.002	0.05	34.3
1.37	3% qtz 0.1-1.5 cm @45 & 80 degrees to ca, 1% cal, 1% diss & frac fill py, pyo, broken ground 485-486 & 486.8-489	2	52520	148.29	149.66	1.37	0.002	0.05	13.8
1.37	3% qtz 0.1-1.5 cm @45 & 80 degrees to ca, 1% cal, 1% diss & frac fill py	2	52521	149.66	151.03	1.37	0.002	0.04	72
1.37	3% qtz 0.1-1.5 cm @45 & 80 degrees to ca, 1% cal, 1% diss & frac fill py	2	52522	151.03	152.40	1.37	0.002	0.05	2.9
1.52	3% qtz 0.1-1.5 cm @45 & 80 degrees to ca, 1% cal, 1% diss & frac fill py, broken ground 500-500.3	2	52523	152.40	153.92	1.52	0.002	0.06	2.6
1.52	3% qtz 0.1-1.5 cm @55 & 75 degrees to ca, 1% cal, 1% diss & frac fill py, 507.5-541 unit 2 gneiss (metasandstone) & intercalated unit 1 schist (metapelite)	1	52524	153.92	155.45	1.52	0.002	0.11	2.6
1.52	3% qtz 0.1-1.5 cm @55 & 75 degrees to ca, 1% cal, 1% diss & frac fill py, fault with 3% clay 512.7-512.9	1	52525	155.45	156.97	1.52	0.001	0.11	10.8
1.52	4% qtz 0.1-1 cm @70-75 degrees to ca, 1% diss & frac fill py,	1	52526	156.97	158.50	1.52	0.001	0.11	2
1.52	4% qtz 0.1-1 cm @70-75 degrees to ca, 1% diss & frac fill py, trace graphite	1	52527	158.50	160.02	1.52	<0.001	0.12	2
1.52	4% qtz 0.1-1 cm @70-75 degrees to ca, 1% diss & frac fill py, trace graphite	1	52528	160.02	161.54	1.52	<0.001	0.1	6.6
1.52	4% qtz 0.1-1 cm @70-75 degrees to ca, 1% diss & frac fill py, trace graphite	1	52529	161.54	163.07	1.52	<0.001	0.1	2.5
1.83	4% qtz 0.1-1 cm @70-75 degrees to ca, 1% diss & frac fill py, trace graphite	1	52530	163.07	164.90	1.83	0.001	0.13	3.5
1.83	4% qtz 0.1-1 cm @70-75 degrees to ca, 1% diss & frac fill py, trace graphite, 541-587 unit 2 gneiss (metasandstone)	2	52531	164.90	166.73	1.83	0.001	0.06	2.7
1.43	12% qtz 0.1-8 cm @50 & 70 degrees to ca, 1% cal, 3% diss & frac fill py, pyo	6	52532	166.73	168.16	1.43	0.001	0.04	0.9
0.76	30% qtz 0.1-16 cm @20 & 80 degrees to ca, 1% cal, 3% diss & frac fill py, pyo	6	52533	168.16	168.92	0.76	0.001	0.04	1.9
1.31	3% qtz 0.1-1.5 cm @65-80 degrees to ca, 1% cal, 1% diss & frac fill py, pyo, 558.7-559.6 broken ground	2	52534	168.92	170.23	1.31	0.001	0.07	3.1
1.28	3% qtz 0.1-1.5 cm @65-80 degrees to ca, 1% cal, 1% diss & frac fill py, pyo, fault 558.7-559.7, 2% clay, 80% recovery in fault	2	52535	170.23	171.51	1.28	<0.001	0.08	9.4
1.31	3% qtz 0.1-1.5 cm @65-80 degrees to ca, 1% cal, 1% diss & frac fill py, pyo	2	52536	171.51	172.82	1.31	0.001	0.14	20.1
1.31	3% qtz 0.1-1.5 cm @65-80 degrees to ca, 1% cal, 1% diss & frac fill py, pyo	2	52537	172.82	174.13	1.31	1.22	0.17	30.6
1.28	3% qtz 0.1-1.5 cm @65-80 degrees to ca, 1% cal, 1% diss & frac fill py, pyo	2	52538	174.13	175.41	1.28	0.004	0.09	2.7
1.37	3% qtz 0.1-1.5 cm @65-80 degrees to ca, 1% cal, 1% diss & frac fill py, pyo	2	52539	175.41	176.78	1.37	0.021	0.07	6.1
1.52	587-688.8 unit 3 amphibolite (metavolcanic)	2		176.78	178.31	1.52			
1.52		3		178.31	179.83	1.52			
1.52		3		179.83	181.36	1.52			
1.52		3		181.36	182.88	1.52			
1.52		3		182.88	184.40	1.52			
1.52		3		184.40	185.93	1.52			
1.52		3		185.93	187.45	1.52			
1.52		3		187.45	188.98	1.52			
1.52		3		188.98	190.50	1.52			
0.61		3		190.50	191.11	0.61			
1.52	3% qtz 0.1-3 cm @ 55-80 degrees to ca, 3% cal, 1% diss & frac fill py, pyo	3	52540	191.11	192.63	1.52	0.006	0.05	0.9
1.52	3% qtz 0.1-3 cm @ 55-80 degrees to ca, 3% cal, 1% diss & frac fill py, pyo	3	52541	192.63	194.16	1.52	0.004	0.04	2.1
1.52	3% qtz 0.1-3 cm @ 55-80 degrees to ca, 3% cal, 1% diss & frac fill py, pyo	3	52542	194.16	195.68	1.52	0.005	0.05	3.3
1.52	3% qtz 0.1-3 cm @ 55-80 degrees to ca, 3% cal, 1% diss & frac fill py, pyo	3	52543	195.68	197.21	1.52	0.003	0.06	2.1
1.52	3% qtz 0.1-3 cm @ 55-80 degrees to ca, 3% cal, 1% diss & frac fill py, pyo	3	52544	197.21	198.73	1.52	0.004	0.07	1.8
1.16	3% qtz 0.1-3 cm @ 55-80 degrees to ca, 3% cal, 1% diss & frac fill py, pyo	3	52545	198.73	199.89	1.16	0.004	0.05	2.3
1.31	3% qtz 0.1-3 cm @ 55-80 degrees to ca, 3% cal, 1% diss & frac fill py, pyo	3	52546	199.89	201.20	1.31	0.003	0.05	3.4
1.31	3% qtz 0.1-3 cm @ 55-80 degrees to ca, 3% cal, 1% diss & frac fill py, pyo	3	52547	201.20	202.51	1.31	0.002	0.04	2.6
1.34	3% qtz 0.1-3 cm @ 55-80 degrees to ca, 3% cal, 1% diss & frac fill py, pyo, 668.8-672.5 diorite dyke/sill sharp contacts @ 75 degrees to core axis	3	52548	202.51	203.85	1.34	0.003	0.02	2.2
1.13	4% qtz 0.1-3 cm @ 55-80 degrees to ca, 1% diss & frac fill py, pyo, weak clay alteration, diorite dyke/sill, 672.5-860 amphibolite (metavolcanic)	5	52549	203.85	204.98	1.13	0.003	0.05	1.9
1.52	3% qtz 0.1-3 cm @ 55-80 degrees to ca, 3% cal, 1% diss & frac fill py, pyo	3	52550	204.98	206.50	1.52	0.004	0.03	1.1
0.76		3		206.50	207.26	0.76			
1.52		3		207.26	208.79	1.52			
1.52		3		208.79	210.31	1.52			
1.52		3		210.31	211.84	1.52			
1.52		3		211.84	213.36	1.52			
1.52		3		213.36	214.88	1.52			
1.52		3		214.88	216.41	1.52			
1.52		3		216.41	217.93	1.52			
1.52		3		217.93	219.46	1.52			
1.52		3		219.46	220.98	1.52			
1.52		3		220.98	222.50	1.52			
1.52		3		222.50	224.03	1.52			
1.52		3		224.03	225.55	1.52			
1.52		3		225.55	227.08	1.52			
1.52		3		227.08	228.60	1.52			
1.52		3		228.60	230.12	1.52			
1.52		3		230.12	231.65	1.52			
1.52		3		231.65	233.17	1.52			
1.52		3		233.17	234.70	1.52			
1.52		3		234.70	236.22	1.52			
1.52		3		236.22	237.74	1.52			
1.52		3		237.74	239.27	1.52			
1.52		3		239.27	240.79	1.52			
1.52		3		240.79	242.32	1.52			
0.67		3		242.32	242.99	0.67			
1.01	5% qtz 0.1-3 cm @ 25 & 80 degrees to ca, 3% cal, 2% diss & frac fill py, pyo	3	52551	242.99	243.99	1.01	0.62	0.07	1.9
0.76	12% qtz 0.1-3 cm @ 25 & 80 degrees to ca, 3% cal, 3% chlorite, 2% diss & frac fill py, pyo	6	52552	243.99	244.75	0.76	0.007	0.05	11.5
0.85	90% qtz 0.1-3 cm @ 20 & 75 degrees to ca, 3% cal, 3% chlorite, 2% diss & frac fill py, pyo	6	52553	244.75	245.61	0.85	0.002	0.03	0.9
1.22	3% qtz 0.1-2 cm @ 65-80 degrees to ca, 2% cal, 1% diss & frac fill py, pyo	3	52554	245.61	246.83	1.22	0.003	0.05	3.9
1.22	3% qtz 0.1-1 cm @ 65-80 degrees to ca, 2% cal, 1% diss & frac fill py, pyo	3	52555	246.83	248.05	1.22	0.003	0.08	0.7
0.67	20% qtz 0.1-8 cm @ 25 & 80 degrees to ca, breccia texture, 3% cal, 3% chlorite, 2% diss & frac fill py, pyo	6	52556	248.05	248.72	0.67	0.005	0.12	3.4
1.22	3% qtz 0.1-2 cm @ 70-80 degrees to ca, 2% cal, 1% diss & frac fill py, pyo	3	52557	248.72	249.94	1.22	0.002	0.07	3
1.52	3% qtz 0.1-2 cm @ 70-80 degrees to ca, 2% cal, 1% diss & frac fill py, pyo	3	52558	249.94	251.46	1.52	0.002	0.05	4.9
1.52	3% qtz 0.1-2 cm @ 70-80 degrees to ca, 2% cal, 1% diss & frac fill py, pyo	3	52559	251.46	252.98	1.52	0.002	0.07	25.9
1.52	3% qtz 0.1-2 cm @ 70-80 degrees to ca, 2% cal, 1% diss & frac fill py, pyo	3	52560	252.98	254.51	1.52	0.002	0.03	4.9
1.52	3% qtz 0.1-2 cm @ 70-80 degrees to ca, 2% cal, 1% diss & frac fill py, pyo	3	52561	254.51	256.03	1.52	0.001	0.05	5.6
1.52	3% qtz 0.1-2 cm @ 70-80 degrees to ca, 2% cal, 1% diss & frac fill py, pyo	3	52562	256.03	257.56	1.52	0.006	0.12	15.3
1.52	3% qtz 0.1-2 cm @ 70-80 degrees to ca, 2% cal, 1% diss & frac fill py, pyo	3	52563	257.56	259.08	1.52	0.005	0.05	28.2
1.52	3% qtz 0.1-2 cm @ 70-80 degrees to ca, 2% cal, 1% diss & frac fill py, pyo	3	52564	259.08	260.60	1.52	0.004	0.06	4.6
1.52	3% qtz 0.1-2 cm @ 70-80 degrees to ca, 2% cal, 1% diss & frac fill py, pyo	3	52565	260.60	262.13	1.52	0.005	0.06	2.2

VA11062529 - Finalized
CLIENT : "MILBAVE - Mill Bay Ventures"
# of SAMPLES : 222
DATE RECEIVED : 2011-04-15 DATE FINALIZED : 2011-05-07
PROJECT : "Valentine BN"
CERTIFICATE COMMENTS : "ME-MS41:Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g). "
PO NUMBER : " "

	Au-TL44	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
SAMPLE	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La
DESCRIPTION	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
52441	0.001	0.09	2.68	19	<0.2	<10	400	0.21	0.17	0.35	0.05	11.5	14.9	47	2.61	38.6	3.36	10.35	0.13	0.02	<0.01	0.022	1.47	5.6
52442	<0.001	0.08	2.43	9.3	<0.2	<10	440	0.11	0.18	0.23	0.06	15.1	15.6	54	2.51	34.4	3.69	11.5	0.15	0.02	0.01	0.029	1.58	7.1
52443	0.001	0.07	2.34	4.4	<0.2	<10	480	0.1	0.13	0.23	0.06	9.85	16.7	53	2.2	34.2	3.37	10.95	0.16	0.02	0.01	0.029	1.53	4.9
52444	0.001	0.05	2.22	5.9	<0.2	<10	410	0.13	0.06	0.23	0.07	10.55	16.3	51	1.9	27.2	3.17	10.05	0.14	0.02	0.01	0.027	1.32	5.2
52445	<0.001	0.04	2.08	6.5	<0.2	<10	340	0.19	0.06	0.22	0.06	14	13.4	39	1.27	23	2.96	9.05	0.11	0.02	0.01	0.024	0.88	6.9
52446	<0.001	0.09	1.95	6.5	<0.2	<10	320	0.12	0.11	0.25	0.07	12.15	14.7	49	1.71	32.1	3.26	8.67	0.12	0.02	0.01	0.022	1.06	5.7
52447	0.001	0.07	2.14	33.4	<0.2	<10	380	0.11	0.1	0.2	0.08	11.15	15.3	53	2.34	29.8	3.64	10.1	0.13	0.02	0.02	0.028	1.38	5.4
52448	<0.001	0.05	2.44	17.2	<0.2	<10	510	0.14	0.03	0.31	0.08	10.85	16	55	3.05	25.1	3.81	11.65	0.16	0.02	0.01	0.034	1.36	5.3
52449	0.001	0.09	2.37	42.4	<0.2	<10	530	0.1	0.08	0.31	0.09	11.2	18.3	67	5.36	48	4.21	12.35	0.17	0.03	0.01	0.043	1.63	5.5
52450	0.001	0.05	2.13	23.8	<0.2	<10	460	0.08	0.07	0.55	0.07	8.97	14.4	52	2.47	26.8	3.24	10.65	0.16	0.02	0.02	0.032	1.45	4.4
52451	0.001	0.06	2.08	7.7	<0.2	<10	420	0.09	0.06	0.75	0.06	7.78	14.2	50	2.41	22.9	3.17	10.2	0.15	0.02	0.01	0.03	1.41	3.9
52452	0.001	0.06	1.86	439	<0.2	<10	400	0.08	0.06	0.82	0.14	9.38	12.3	48	1.83	23.8	3.06	9.07	0.14	0.02	0.02	0.027	1.17	4.6
52453	0.001	0.07	2.2	4.3	<0.2	<10	390	0.12	0.09	0.34	0.06	9.33	14.2	48	2.36	25.7	3.36	10.15	0.12	0.02	0.02	0.026	1.41	4.6
52454	<0.001	0.1	2.55	5.6	<0.2	<10	420	0.17	0.13	0.45	0.11	8.93	16.9	51	2.64	39.3	3.84	10.9	0.13	0.02	0.02	0.026	1.44	4.3
52455	<0.001	0.08	2.37	2.9	<0.2	<10	430	0.11	0.12	0.28	0.06	8.8	17.3	58	2.62	35.5	3.74	10.7	0.14	0.02	0.01	0.03	1.39	4.3
52456	0.001	0.16	2.3	2.6	<0.2	<10	270	0.27	0.19	0.42	0.12	9.58	14.6	53	2.66	51.8	3.38	9.08	0.13	0.02	0.02	0.02	1.19	4.7
52457	0.001	0.07	2.21	2.2	<0.2	<10	400	0.12	0.07	0.31	0.06	8.23	14.3	50	2.52	28.6	3.24	10.2	0.14	0.02	0.02	0.027	1.33	4.1
52458	0.001	0.11	2.26	2.4	<0.2	<10	330	0.17	0.14	0.29	0.1	12.95	15.8	53	2.51	42.3	3.83	9.95	0.12	0.02	0.03	0.029	1.12	6
52459	<0.001	0.24	2.72	7.2	<0.2	<10	330	0.18	0.33	0.25	0.12	15.05	20.2	89	2.35	63.6	4.63	11.7	0.15	0.02	0.02	0.042	0.98	7
52460	<0.001	0.14	3.2	10.7	<0.2	<10	370	0.18	0.17	0.26	0.08	16.4	25.2	97	3.54	51.9	4.91	12.9	0.16	0.02	0.02	0.04	1.28	7.5
ST-18	0.002	0.03	4.38	0.3	<0.2	<10	10	0.12	0.01	2.78	0.03	8.01	23.7	174	<0.05	96.3	5.31	10.55	0.17	0.06	0.02	0.009	0.03	3.7
52461	<0.001	0.11	2.53	3.3	<0.2	<10	280	0.14	0.12	0.33	0.08	13.8	17.2	71	2.8	39.1	4.04	10.2	0.14	0.02	0.02	0.033	0.97	6.4
52462	0.001	0.1	2.4	2.9	<0.2	<10	270	0.11	0.08	0.23	0.09	19.2	16.8	60	2.72	33.4	3.76	10.45	0.14	0.02	0.02	0.036	0.88	9
52463	<0.001	0.08	2.02	1.4	<0.2	<10	130	0.13	0.09	0.2	0.08	15.5	13.2	45	1.69	32	3.38	7.95	0.1	<0.02	0.02	0.023	0.52	7.5
52464	0.001	0.09	2.76	1.2	<0.2	<10	30	0.5	0.06	1.68	0.12	2.81	6.7	19	0.82	43	1.64	7.69	0.07	<0.02	0.02	0.009	0.08	1.3
52465	<0.001	0.11	2.72	0.5	<0.2	<10	310	0.12	0.18	0.27	0.1	13.05	20.3	86	3.44	53.4	4.26	10.45	0.14	0.02	0.02	0.034	1.09	6.2
52466	0.001	0.13	2.83	0.7	<0.2	<10	290	0.12	0.23	0.26	0.06	14.05	23	82	3.69	62.6	4.44	10.55	0.14	0.02	0.02	0.032	1.2	6.4
52467	<0.001	0.13	2.84	5.3	<0.2	<10	200	0.21	0.18	0.24	0.07	15.65	23.2	85	2.63	65.1	4.55	10.35	0.13	0.02	0.02	0.027	0.83	7.2
52468	0.001	0.14	2.18	11	<0.2	<10	70	0.19	0.07	0.18	0.08	21	15.1	41	0.4	37.8	3.68	7.89	0.1	0.02	0.02	0.015	0.23	9.8
52469	0.001	0.09	2.04	7.3	<0.2	<10	220	0.24	0.12	0.2	0.08	20.2	15.1	37	2.76	44.1	3.4	7.95	0.1	0.02	0.02	0.017	1.02	9.4
52470	0.001	0.07	1.91	11.1	<0.2	<10	210	0.17	0.08	0.17	0.06	15.6	13.6	37	2.25	25.6	3.13	8.88	0.1	0.02	0.03	0.022	1	7.4
52471	0.001	0.08	2.23	2.7	<0.2	<10	370	0.15	0.11	0.22	0.05	12.5	14.7	51	2.6	31.8	3.4	10.45	0.11	0.02	0.03	0.029	1.44	6
52472	0.001	0.06	1.81	4.5	<0.2	<10	260	0.1	0.04	0.17	0.05	11.2	12.6	39	2.05	27.5	2.88	8.36	0.1	0.02	0.02	0.023	1.05	5.5
52473	0.001	0.07	2.16	2.8	<0.2	<10	350	0.13	0.1	0.28	0.08	9.06	12.1	45	2.16	25.2	3.08	9.15	0.07	0.02	<0.01	0.03	1.21	4.2
52474	0.001	0.07	2.65	4.2	<0.2	<10	430	0.2	0.07	0.42	0.08	12.4	13	54	2.79	31.1	3.36	10.35	0.09	0.02	<0.01	0.031	1.45	5.6
52475	0.003	0.07	2.27	118.5	<0.2	<10	390	0.12	0.08	0.89	0.1	11.95	12.5	49	2.27	24.2	3.24	9.59	0.1	0.02	<0.01	0.034	1.3	5.5
52476	0.001	0.08	2.29	1.7	<0.2	<10	320	0.16	0.11	0.59	0.08	10.85	11.1	41	2.34	23.7	3.13	8.61	0.07	0.02	<0.01	0.026	1.27	4.9
52477	0.001	0.08	2.21	2	<0.2	<10	290	0.12	0.1	0.26	0.07	13	12	37	2.35	23.9	3	8.97	0.07	0.02	<0.01	0.027	1.27	5.9
52478	0.001	0.08	2.37	5.4	<0.2	<10	450	0.09	0.08	0.24	0.06	13.15	14.6	52	2.78	47	3.69	10.05	0.1	0.02	<0.01	0.032	1.56	5.8
52479	0.001	0.06	1.98	3.6	<0.2	<10	320	0.11	0.04	0.28	0.07	10.8	10.9	40	2.08	22.5	2.71	8.27	0.09	0.02	<0.01	0.024	1.15	5
52480	0.003	0.07	1.91	1910	<0.2	<10	190	0.16	0.1	0.86	0.14	8.75	7.8	25	1.81	30.5	3.21	8.28	0.07	<0.02	<0.01	0.024	0.91	4.1
ST-19	0.003	0.04	3.38	1.8	<0.2	<10	10	0.07	0.01	1.88	0.05	6.87	19	73	<0.05	124.5	4.99	7.57	0.11	0.14	<0.01	0.011	0.02	2.6
52481	0.012	0.05	1.69	2970	<0.2	<10	180	0.1	0.08	1.44	0.14	10.45	8.7	31	2.11	19.1	2.51	6.68	0.06	0.02	<0.01	0.018	1.1	5
52482	0.001	0.08	2.05	451	<0.2	<10	360	0.11	0.08	0.98	0.09	11.75	10.5	42	2.99	28.3	2.91	8.45	0.07	0.02	0.01	0.029	1.28	5.5
52483	0.001	0.07	2.34	41	<0.2	<10	390	0.08	0.09	0.25	0.06	9.93	12.8	47	2.53	27.3	3.35	9.51	0.09	0.02	<0.01	0.033	1.51	4.6
52484	0.001	0.08	2.34	14.1	<0.2	<10	400	0.11	0.11	0.23	0.06	11.2	12.7	51	2.54	26.9	3.42	9.47	0.08	0.02	<0.01	0.03	1.45	5.1
52485	0.001	0.1	2.32	52.2	<0.2	<10	350	0.13	0.15	0.27	0.07	11.8	13.3	46	2.71	33	3.54	8.83	0.08	0.02	<0.01	0.025	1.48	5.4
52486	0.001	0.04	2.07	22.7	<0.2	<10	300	0.09	0.05	0.29	0.04	10.05	10.4	38	1.79	18.6	2.86	7.92	0.08	0.02	0.01	0.015	1.24	4.8
52487	0.014	0.05	1.95	25.6	<0.2	<10	260	0.11	0.06	0.27	0.05	10.35	10	36	2.12	19.2	2.69	7.63	0.06	0.02	0.01	0.013	1.21	4.9
52488	0.007	0.05	2.01	13.6	<0.2	<10	470	0.08	0.04	0.45	0.04	8.21	13	54	1.7	22.3	2.99	8.74	0.13	0.02	<0.01	0.025	1.17	3.8
52489	0.004	0.04	2	8.8	<0.2	<10	340	0.1	0.04	0.8	0.04	9.03	10.9	46	1.44	16.9	2.82	8.55	0.1	0.02	<0.01	0.024	0.95	4.2
52490	0.001	0.06	2.02	7.1	<0.2	<10	350	0.13	0.08	0.89	0.07	9.89	10.2	38	1.72	22.5	2.76	8.13	0.07	0.02	<0.01	0.027	1.2	4.6
52491	0.001	0.08	1.96	5.7	<0.2	<10	300	0.11	0.08	0.71	0.07	10.4	10.9	41	1.9	24.1	2.95	8.4	0.07	0.02	<0.01	0.03	1.15	4.8
52492	0.001	0.1	2.69	11.5	<0.2	<10	420	0.18	0.08	0.57	0.07	15.55	13.9	55	2.98	35.5	3.73	10.45	0.08	0.02	<0.01	0.036	1.62	7.1
52493	0.01	0.1	2.67	57	<0.2	<10	430	0.1	0.11	0.36	0.06	12.9	14.6	55	3.75	39.5	3.94	9.42	0.08	<0.02	<0.01	0.032	1.81	5.8
52494	0.001	0.09	2.37	9.5	<0.2	<10	380	0.14	0.07	0.62	0.06	13.3	11.6	44	2.7	23.2	3.07	9.3	0.08	0.02	<0.01	0.029	1.53	6.2
52495	0.019	0.12	2.77	2230	<0.2	<10	560	0.18	0.16	0.78	0.09	8.69	12.4	58	2.9	23.2	3.3	10.45	0.11	<0.02	<0.01	0.037	1.52	3.9
52496	0.005	0.14	2.58	29.3	<0.2	<10	420	0.1	0.09	0.44	0.07	13.4	13.6	56	2.87	31.6	3.52	10.15	0.09	0.02	<0.01	0.036	1.54	6.2
52497	0.001	0.1	2.49	4.2	<0.2	<10	340	0.17	0.17	0.32	0.06	15.5	13.2	50	3.26	38.8	3.67	9.17	0.07	0.02	<0.01	0.031	1.5	7.1
52498	<0.001	0.07	2.2	6.8	<0.2	<10	280	0.15	0.07	0.96	0.06	14.75	10.1	36	1.63	21.5	2.94	8.78	0.07	<0.02	<0.01	0.027	1	6.9
52499	0.001	0.1	2.19	2.8	<0.2	<10	350	0.1	0.09	0.4	0.05	15.3	12	46	2.47	27.3	3.18	9.38	0.09	0.02	<0.01	0.03	1.33	7.1
52500	<0.001	0.07	2.37	1.6	<0.2	<10	360	0.14	0.09	0.52	0.06	16.4	11.4	42	2.4	28.7	3.14	9.04	0.08	<0.02	0.01	0.029	1.32	7.6
ST-20	0.005	0.04	4.7	0.2	<0.2	<10	10	0.07	0.01	2.46	0.02	3.78	18.2	75	<0.05	114.5	3.18	7.29	0.09	0.1	<0.01	0.009	0.02	1.5
52501	<0.001	0.06	2.67	1.6	<0.2	<10	420	0.14	0.11	0.39	0.05	15.9	12.6	47	2.59	23.6	3.44	9.67	0.07	0.02	<0.01	0.032	1.55	7.3
52502	0.002	0.05	2.48	5.4	<0.2	<10	270	0.18	0.05	0.8	0.05	9.68	12.6	48	1.8	26	3.07	9.32	0.08	<0.02	<0.01	0.027	0.97	4.4
52503	0.002	0.05	2.45	2.2	<0.2	<10	390	0.18	0.06	0.57	0.04	12.25	12.2	48	1.79	24.7	2.92	9.3	0.1	0.02	0.01	0.034	1.12	5.6
52504	0.002	0.05	2.5	2.4	<0.2	<10	440	0.12	0.05	0.51	0.04	9.87	12.5	48	2.42	19.9	3.27	10.1	0.09	<0.02	<0.01	0.031	1.45	4.5
52505	0.002	0.04	2.19	2.5	<0.2	<10	390	0.13	0.05	0.53	0.05	13.35	11	39	2.29	19.7	2.84	8.77	0.07	0.02	<0.01	0.03	1.24	6.2
52506	0.002	0.07	2.29	9.9	<0.2	<10	380	0.13	0.1	0.65	0.07	9.6	12.4	42	2.45	30.5	3.16	8.47	0.08	<0.02	<0.01	0.024	1.22	4.4
52507	0.002	0.04	2.39	2.2	<0.2	<10	420	0.18	0.06	0.77	0.05	12.3	10.1	41	1.73	16.5	2.7	8.89	0.14	0.02	<0.01	0.024	1.12	6.4
52508	0.003	0.05	2.53	2.1	<0.2	<10	470	0.15	0.05	1.12	0.05	5.65	10.9	45	1.9	21.3	2.85	8.75	0.16	<0.02	<0.01	0.026	1.16	2.9
52509	0.002	0.06	2.5	2.1	<0.2	<10	510	0.12	0.08	0.63	0.06	10.15	13.2	52	2.51	25.9	3.34	9.52	0.13	0.02	<0.01	0.029	1.45	5.1
52510	0.002	0.06	1.96	4.3	<0.2	<10	320	0.12	0.07	0.66	0.05	8.42	11	42	2.43	21.5	2.94	7.91	0.13	0.02	<0.01	0.025	1.14	4.3
52511	0.001	0.07	2.23	1.8	<0.2	<10	330	0.12	0.09	0.61	0.05	16.3	11	44	2.39	22.4	3	8.65	0.12	0.02	<0.01	0.028	1.17	8.5
52512	0.001	0.08	2.21	1.5	<0.2	<10	360	0.09	0.12	0.37	0.05	11.35	12.9	49	2.3	32	3.26	9.53	0.14	<0.02	<0.01	0.033	1.05	5.6
52513	0.001	0.07	2.34	1.9	<0.2	<10	430	0.15	0.1	0.5	0.05	12.75	12.4	48	2.22	27.2	3.27	9.25	0.13	0.02	<0.01	0.028	1.19	6.4
52514	0.002	0.08	2.49	5	<0.2	<10	280	0.26	0.11	1.65	0.11	10.85	12	39	1.95	30	3.1	8.31	0.12	0.02	<0.01	0.023	0.9	5.5
52515	0.001	0.09	1.99	10.6	<0.2	<10	190	0.24	0.15	2.36	0.18	15.6	10.6	27	1.45	29.3	2.94	6.22	0.1	<0.02	<0.01	0.015	0.72	8
52516	0.002	0.06	2.09	4.7	<0.2	<10	370	0.12	0.09	0.8	0.07	11.65	11.5	41	2.33	24.8	3.09	8.39	0.13	<0.02	<0.01	0.023	1.15	6
52517	0.003	0.09	2.05	11.3	<0.2	<10	270	0.18	0.16	1.01	0.07	16.3	13.1	36	2.04	30.9	3.42	7.75	0.11	<0.02	<0.01	0.02	1.01	8.4
52518	0.002	0.08	1.92	11.7	<0.2	<10	270	0.16	0.09	0.75	0.09	12.7	11.7	36	1.76	26.5	3.09	7.14	0.11	<0.02	<0.01	0.021	1.02	6.4
52519	0.002	0.05	1.94	34.3	<0.2	<10	330	0.13	0.07	1.06	0.08	9.48	10.8	38	1.87	18.6	2.74	7.63	0.11	0.02	<0.01	0.022	1.01	4.8
52520	0.002	0.05	1.89	13.8	<0.2	<10	270	0.11	0.07	0.91	0.07	10.8	10.4	35	2.09	20.7	2.77	7.51	0.1	0.02	<0.01	0.021	0.98	5.6
ST-21	0.038	0.12	4.14	0.4	<0.2	<10	10	0.05	<0.01	2.63	0.04	3.77	17.1	171	<0.05	315	8.44	6.98	0.18	0.08	<0.01	0.009	0.03	1.6
52521	0.002	0.04	1.83	72	<0.2	<10	260	0.16	0.07	1.52	0.06	12.35	9.7	32	2.02	18.5	2.67	6.75	0.1	0.02	<0.01	0.02	0.86	6.3
52522	0.002	0.05	2.1	2.9	<0.2	<10	310	0.1	0.09	0.66	0.05	8.84	10.7	36	2.62	20.1	2.73	7.84	0.12	0.02	<0.01	0.019	1.23	4.4
52523	0.002	0.06	2.07	2.6	<0.2	<10	270	0.11	0.07	0.73	0.05	11.5	11.8	43	2.59	23.6	2.93	8.03	0.12	<0.02	<0.01	0.026	0.9	5.7
52524	0.002	0.11	2.59	2.6	<0.2	<10	300	0.15	0.12	0.43	0.04	16.2	15.6	63	3.77	44.1	3.86	8.81	0.12	<0.02	<0.01	0.031	1.3	8.3
52525	0.001	0.11	3.18	10.8	<0.2	<10	360	0.2	0.19	0.97	0.07	16.6	21.4	87	4.29	51.2	4.67	10.3	0.13	0.02	<0.01	0.045	1.5	8.4
52526	0.001	0.11	2.85	2	<0.2	<10	370	0.14	0.23	0.35	0.04	16.65	18.4	87	3.91	55.9	4.23	8.73	0.13	0.02	<0.01	0.042	1.45	8.3
52527	<0.001	0.12	2.67	2	<0.2	<10	360	0.14	0.24	0.27	0.04	16.95	17.2	90	3.64	48.6	3.96	8.28	0.13	0.02	0.01	0.043	1.37	8.5
52528	<0.001	0.1	2.94	6.6	<0.2	<10	390	0.18	0.21	0.51	0.04	19.4	19	90	3.33	50.1	4.31	10.3	0.13	0.02	<0.01	0.044	1.21	9.5
52529	<0.001	0.1	2.52	2.5	<0.2	<10	260	0.15	0.2	0.4	0.05	15.9	14.5	68	3	48.1	3.95	7.15	0.12	0.02	0.01	0.031	1.05	7.8
52530	0.001	0.13	2.99	3.5	<0.2	<10	410	0.16	0.27	0.28	0.05	19.8	17.5	82	4.36	56.3	4.58	9.06	0.14	0.02	<0.01	0.044	1.56	9.9
52531	0.001	0.06	2.17	2.7	<0.2	<10	330	0.12	0.08	0.53	0.05	12.7	11.7	50	2.73	27.4	2.91	8.41	0.13	<0.02	<0.01	0.027	1.05	6.4
52532	0.001	0.04	2.07	0.9	<0.2	<10	350	0.1	0.05	0.58	0.05	9.86	10.4	40	2.56	24.7	2.9	7.63	0.11	<0.02	<0.01	0.02	1.22	5
52533	0.001	0.04	1.9	1.9	<0.2	<10	360	0.09	0.02	0.65	0.04	8.88	9.3	40	1.88	17	2.53	7.82	0.13	<0.02	<0.01	0.025	1.04	4.5
52534	0.001	0.07	2.03	3.1	<0.2	<10	310	0.16	0.09	0.49	0.07	12.7	11.3	38	2.57	21.9	3.01	7.94	0.11	0.02	<0.01	0.023	1.1	6.5
52535	<0.001	0.08	1.74	9.4	<0.2	<10	200	0.27	0.08	0.88	0.11	16.15	11	30	1.89	23.1	2.82	6.31	0.09	0.02	<0.01	0.017	0.67	8.2
52536	0.001	0.14	2.13	20.1	<0.2	<10	290	0.26	0.15	0.65	0.11	13.4	13	37	3.05	28.9	3.33	7.88	0.12	0.02	<0.01	0.019	1.01	6.8
52537	0.294	0.17	2.37	30.6	0.2	<10	230	0.19	0.16	0.59	0.06	17.8	14.5	60	3.23	44.6	3.74	8.58	0.12	0.02	0.01	0.025	1.1	9
52538	0.004	0.09	2.45	2.7	<0.2	<10	420	0.14	0.11	0.42	0.05	15	14.2	61	2.56	30.7	3.46	10.05	0.14	0.02	<0.01	0.037	1.32	7.5
52539	0.021	0.07	2.4	6.1	<0.2	<10	440	0.17	0.08	0.76	0.06	10.75	13.3	52	1.93	29.8	3.4	8.66	0.09	<0.02	<0.01	0.027	1.29	5.3
52540	0.006	0.05	4.48	0.9	<0.2	<10	180	0.22	0.03	1.97	0.07	3.04	35.5	242	4.11	72.3	5.64	11.8	0.21	0.03	<0.01	0.038	1.82	1.4
ST-22	0.002	0.05	2.78	0.1	<0.2	<10	10	0.1	0.01	2	0.03	5.95	15.7	122	<0.05	143.5	4.73	5.67	0.1	0.14	<0.01	0.009	0.02	2.5
52541	0.004	0.04	3.31	2.1	<0.2	<10	80	0.14	0.02	2.84	0.1	2.18	25.8	151	2.86	25.4	4.23	11	0.22	0.04	<0.01	0.038	0.67	0.9
52542	0.005	0.05	3.1	3.3	<0.2	<10	100	0.21	0.02	2.51	0.07	2.73	22.1	126	2.41	32.1	3.54	9.16	0.21	0.05	<0.01	0.029	0.78	1.1
52543	0.003	0.06	3.89	2.1	<0.2	<10	140	0.19	0.02	2.45	0.09	2.53	29	184	3.35	45.5	4.95	12.8	0.27	0.04	<0.01	0.049	1.22	1
52544	0.004	0.07	3.31	1.8	<0.2	<10	100	0.23	0.03	2.05	0.07	2.58	21.6	134	2.49	76.3	3.44	9.28	0.22	0.04	<0.01	0.029	1.01	1
52545	0.004	0.05	2.79	2.3	<0.2	<10	70	0.27	0.02	2.6	0.07	2.98	20.5	95	1.48	54.1	2.56	7.84	0.16	0.06	<0.01	0.022	0.53	1.1
52546	0.003	0.05	2.43	3.4	<0.2	<10	50	0.19	0.02	2.22	0.07	2.65	19.5	100	0.98	47.9	2.66	7.78	0.16	0.07	<0.01	0.02	0.37	0.9
52547	0.002	0.04	2.59	2.6	<0.2	<10	90	0.18	0.02	2.93	0.08	2.8	18.9	106	1.56	33.6	2.95	8.09	0.17	0.08	<0.01	0.023	0.74	1
52548	0.003	0.02	2.81	2.2	<0.2	<10	130	0.15	0.02	3.02	0.06	2.65	20.1	113	2.32	11	3.25	10.1	0.18	0.07	<0.01	0.021	1.05	1
52549	0.003	0.05	1.56	1.9	<0.2	<10	220	0.09	0.02	0.7	0.04	8.22	9.6	5	1.94	58.9	2.41	9.76	0.08	0.03	<0.01	0.024	0.78	4.3
52550	0.004	0.03	2.29	1.1	<0.2	<10	90	0.15	0.02	2.92	0.06	2.77	18.2	104	1.78	37.3	2.55	7.2	0.15	0.06	<0.01	0.016	0.74	1
52551	0.172	0.07	2.72	1.9	<0.2	<10	120	0.23	0.02	1.61	0.05	2.76	23.3	146	1.86	118	3.46	8.44	0.22	0.04	<0.01	0.028	0.9	1.1
52552	0.007	0.05	3.02	11.5	<0.2	<10	110	0.23	0.01	1.84	0.05	3.79	23.2	165	2.63	32	3.62	9.33	0.19	0.04	<0.01	0.033	0.89	1.5
52553	0.002	0.03	0.3	0.9	<0.2	<10	<10	<0.05	<0.01	0.47	0.01	0.18	1.9	18	0.3	18.3	0.43	0.81	<0.05	<0.02	<0.01	<0.005	0.01	<0.2
52554	0.003	0.05	4.59	3.9	<0.2	<10	130	0.28	0.01	2.5	0.06	2.97	25	172	2.29	25.7	3.8	13.6	0.28	0.04	<0.01	0.033	1.24	1.3
52555	0.003	0.08	3.79	0.7	<0.2	<10	220	0.25	0.04	1.46	0.03	3.19	35.6	232	3.6	165.5	5.24	12.75	0.28	0.03	<0.01	0.046	1.69	1.5
52556	0.005	0.12	1.85	3.4	<0.2	<10	70	0.16	0.05	1.39	0.07	2.85	29.3	139	0.85	229	3.18	5.73	0.18	0.03	<0.01	0.024	0.43	1.2
52557	0.002	0.07	4.51	3	<0.2	<10	170	0.3	0.03	1.97	0.07	3.32	32	201	3.03	95.3	4.79	13.3	0.32	0.04	<0.01	0.04	1.45	1.3
52558	0.002	0.05	2.85	4.9	<0.2	<10	110	0.21	0.02	1.87	0.05	3.41	24	126	1.74	68	3.28	8.5	0.23	0.06	<0.01	0.026	0.83	1.4
52559	0.002	0.07	2.39	25.9	<0.2	<10	70	0.2	0.03	1.98	0.06	4.47	24.8	131	1.99	40.1	3.4	7.96	0.19	0.05	<0.01	0.034	0.53	1.8
52560	0.002	0.03	1.84	4.9	<0.2	<10	50	0.18	0.02	1.48	0.04	3.3	18.2	97	1.18	19	2.5	6.03	0.18	0.07	<0.01	0.021	0.48	1.3
ST-23	0.003	0.05	3.1	<0.1	<0.2	<10	<10	0.07	0.01	1.8	0.05	6.18	18.2	140	<0.05	119	5.06	7.81	0.12	0.11	<0.01	0.011	0.02	2.7
52561	0.001	0.05	2.55	5.6	<0.2	<10	110	0.21	0.02	1.71	0.05	3.8	26.4	139	2.12	38.6	3.42	8.43	0.21	0.06	<0.01	0.031	0.84	1.5
52562	0.006	0.12	3.7	15.3	<0.2	<10	140	0.24	0.04	2.25	0.08	5.04	32.9	135	3.25	71.7	4.9	12.25	0.27	0.05	<0.01	0.044	1.16	2.2
52563	0.005	0.05	2.7	28.2	<0.2	<10	70	0.27	0.02	3.38	0.08	4.25	25	161	2.85	35.3	3.3	8.01	0.19	0.08	<0.01	0.032	0.61	1.6
52564	0.004	0.06	2.16	4.6	<0.2	<10	60	0.17	0.02	2.79	0.08	2.73	18.9	118	1.03	67.9	2.18	6.14	0.17	0.07	<0.01	0.019	0.41	1.1
52565	0.005	0.06	2.22	2.2	<0.2	<10	100	0.14	0.02	2.69	0.08	3.11	19.8	143	1.62	42.1	2.72	6.97	0.18	0.07	<0.01	0.02	0.73	1.2

	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
SAMPLE	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr
DESCRIPTION	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
52441	31.7	1.23	417	0.95	0.11	0.29	27.1	550	2.9	68.1	0.001	0.27	0.06	9	0.6	0.7	39.3	<0.01	0.03	3.5	0.263	0.39	0.53	87	0.26	5.41	71	<0.5
52442	35.3	1.37	425	1.3	0.08	0.25	29.4	780	1.9	67.4	0.002	0.29	0.07	10.9	0.6	0.7	13.4	<0.01	0.02	3.8	0.27	0.36	0.6	103	0.26	6.14	82	<0.5
52443	34.5	1.31	408	0.87	0.08	0.26	29	590	1.6	62.5	0.001	0.36	0.07	11.5	0.5	0.8	18.9	<0.01	0.02	2.6	0.275	0.34	0.42	101	0.27	5.52	72	<0.5
52444	32.8	1.33	360	0.59	0.08	0.18	25.8	590	2.4	49.5	0.001	0.14	0.09	10.7	0.4	0.7	18.6	<0.01	0.01	2.6	0.221	0.27	0.38	98	0.24	5.86	69	<0.5
52445	32	1.14	304	0.56	0.06	0.16	22.3	540	2.9	34.8	0.001	0.12	0.15	8	0.3	0.6	14.2	<0.01	0.01	2.9	0.161	0.19	0.45	79	0.22	6.78	59	<0.5
52446	25.1	1.27	473	0.81	0.07	0.18	26.9	610	2.6	44.5	0.001	0.46	0.1	8.2	0.5	0.5	14.4	<0.01	0.01	3.2	0.194	0.25	0.46	90	0.19	6.8	69	0.5
52447	29.4	1.26	411	0.84	0.07	0.22	26.5	590	2.1	55.1	0.001	0.3	0.09	10.7	0.5	0.8	13.1	<0.01	0.02	2.5	0.262	0.3	0.47	98	0.27	6.91	74	<0.5
52448	34.1	1.49	493	0.46	0.09	0.18	26.5	630	2.2	53.5	<0.001	0.15	0.05	11.8	0.4	0.8	24.7	<0.01	0.01	2.6	0.238	0.31	0.39	109	0.2	7.27	75	<0.5
52449	28.8	1.6	510	1.33	0.09	0.24	31.7	620	1.7	68.5	0.002	0.36	0.08	15.3	0.7	0.9	16.6	<0.01	0.02	2.4	0.318	0.41	0.44	136	0.24	8.13	82	0.5
52450	24.9	1.3	445	0.55	0.08	0.24	24.8	560	1.4	54.8	0.001	0.17	0.06	12.2	0.5	0.8	16.6	<0.01	0.01	2	0.274	0.3	0.37	99	0.28	6.6	67	<0.5
52451	23.8	1.27	465	0.7	0.07	0.24	23.7	540	1.4	53.8	0.001	0.24	0.07	11.4	0.4	0.8	19	<0.01	0.01	1.9	0.259	0.3	0.31	93	0.23	6.17	64	<0.5
52452	22.9	1.08	484	0.59	0.08	0.24	22.5	990	1.7	45.1	0.001	0.24	0.14	10.1	0.6	0.6	49.1	<0.01	0.03	2	0.223	0.25	0.34	85	0.27	8.2	59	<0.5
52453	31.7	1.25	411	0.63	0.08	0.22	25.3	550	1.7	56.5	0.001	0.26	0.07	10	0.5	0.7	18.8	<0.01	0.01	2.6	0.248	0.32	0.45	86	0.22	6.06	70	<0.5
52454	33	1.3	531	1.24	0.13	0.21	29.8	610	4	60.2	0.002	0.5	0.07	10.6	0.6	0.6	45.3	<0.01	0.03	2.3	0.252	0.36	0.44	102	0.22	5.88	82	<0.5
52455	33.9	1.48	454	0.91	0.08	0.18	29.7	730	2.3	54.4	0.001	0.22	0.08	11.6	0.5	0.6	17	<0.01	0.02	2.2	0.233	0.32	0.34	111	0.21	5.8	80	<0.5
52456	27.4	1.07	402	3	0.11	0.24	28.9	750	2.1	54.9	0.008	0.61	<0.05	9.3	0.9	0.5	49.4	<0.01	0.05	2.8	0.201	0.32	0.51	93	0.26	5.88	72	<0.5
52457	28.5	1.27	441	0.8	0.1	0.19	24.1	590	1.9	52.1	0.001	0.25	<0.05	10.7	0.5	0.6	21.5	<0.01	0.02	2	0.247	0.3	0.35	95	0.24	5.86	68	<0.5
52458	33.2	1.23	515	1.53	0.08	0.24	31.5	690	2.5	50.1	0.002	0.39	<0.05	10.3	0.6	0.6	20.1	<0.01	0.03	3.1	0.175	0.3	0.46	98	0.22	5.67	81	<0.5
52459	50.3	1.62	531	1.36	0.05	0.21	52.9	740	15.5	45.8	0.001	0.23	0.07	14	0.7	0.8	13.6	<0.01	0.05	3.6	0.159	0.28	0.46	126	0.18	7.01	110	<0.5
52460	56.6	1.93	594	1.57	0.05	0.25	74.3	860	3.8	67.5	0.001	0.15	0.06	15.6	0.6	0.8	44	<0.01	0.03	4.5	0.198	0.44	0.53	134	0.17	6.27	109	<0.5
ST-18	1.9	1.04	255	0.15	0.53	0.17	74.1	660	0.3	0.7	<0.001	0.04	<0.05	4.3	0.4	0.2	68.7	<0.01	0.01	0.4	0.147	<0.02	0.13	219	<0.05	5.61	20	1.7
52461	41	1.33	342	1.19	0.06	0.28	38.8	780	2.2	47.4	0.001	0.22	0.05	12.8	0.6	0.6	15.3	<0.01	0.03	2.9	0.166	0.31	0.48	118	0.18	5.59	72	<0.5
52462	40.9	1.37	367	1.13	0.06	0.25	31.7	640	2.1	43.7	0.001	0.07	<0.05	12.9	0.4	0.7	11.5	<0.01	0.01	3.9	0.153	0.28	0.7	115	0.15	5.7	81	<0.5
52463	31.7	1.04	318	0.49	0.05	0.24	21.5	480	1.9	26.6	0.001	0.15	<0.05	7.8	0.4	0.4	16.9	<0.01	0.02	3.4	0.107	0.18	0.54	85	0.17	4.69	67	<0.5
52464	8	0.4	382	0.48	0.14	0.2	12.5	950	1.9	6.3	<0.001	0.22	0.05	5	0.4	0.2	160	<0.01	0.03	0.5	0.023	0.03	0.13	33	0.11	3.37	23	<0.5
52465	33.7	1.54	491	1.2	0.05	0.36	56.3	850	1.8	61.2	0.001	0.2	<0.05	13.6	0.6	0.7	20.5	<0.01	0.04	3.7	0.184	0.41	0.58	118	0.24	5.45	76	<0.5
52466	38.8	1.64	458	1.08	0.04	0.32	66	790	2.1	70.2	0.001	0.24	<0.05	13.4	0.7	0.7	10.9	<0.01	0.04	3.6	0.198	0.46	0.48	123	0.15	5.58	48	<0.5
52467	45.6	1.67	494	1.26	0.03	0.29	71.4	830	2.8	48.7	0.001	0.23	0.06	11.4	0.7	0.5	12.2	<0.01	0.04	3.9	0.153	0.33	0.51	105	0.12	5.83	65	<0.5
52468	36.8	1.34	399	0.53	0.04	0.1	37.4	730	3.4	11.3	0.001	0.15	0.09	4.6	0.4	0.2	6.8	<0.01	0.01	5	0.043	0.06	0.47	57	0.15	5.2	79	<0.5
52469	31.2	1.09	446	1.17	0.05	0.19	31.5	610	3.8	52.8	0.001	0.39	0.08	6	0.5	0.4	13.8	<0.01	0.03	4.7	0.158	0.34	0.56	68	0.52	6.52	86	<0.5
52470	34.9	1.09	453	1.39	0.06	0.21	23.5	540	2.3	45.3	0.001	0.33	0.1	7.4	0.5	0.4	9.4	<0.01	0.02	3.4	0.171	0.29	0.49	69	0.43	5.61	66	0.6
52471	34.5	1.32	507	0.94	0.07	0.26	26.2	710	1.9	58.9	0.001	0.31	0.05	10.1	0.5	0.8	12	<0.01	0.02	3.1	0.248	0.34	0.44	92	0.4	6.7	73	<0.5
52472	33.6	1.08	304	0.65	0.06	0.21	21	540	2.4	46.3	0.001	0.21	<0.05	7.9	0.4	0.6	12.6	<0.01	0.02	2.1	0.17	0.27	0.35	75	0.27	5.64	67	<0.5
52473	29.8	1.18	454	0.98	0.08	0.29	22.3	620	2.9	43	0.001	0.36	0.05	8.8	0.6	0.7	13.7	0.01	0.02	1.8	0.219	0.29	0.29	93	0.28	5.75	67	<0.5
52474	31.6	1.22	432	0.92	0.1	0.47	26.9	680	3.8	52.7	0.001	0.31	0.05	9.8	0.6	0.7	22.5	0.01	0.02	2.9	0.25	0.35	0.46	104	0.35	6.2	79	<0.5
52475	29.3	1.23	458	0.79	0.11	0.21	23.2	780	2.2	44.4	0.001	0.3	0.06	8.8	0.5	0.7	39	<0.01	0.03	2.7	0.227	0.31	0.46	102	0.29	6.72	70	<0.5
52476	28.6	1.04	534	1.17	0.09	0.4	21.7	560	2.8	47.7	0.002	0.39	<0.05	7.9	0.6	0.6	28.2	0.01	0.03	2.5	0.223	0.33	0.53	79	0.24	5.54	71	<0.5
52477	30.2	1.14	454	1.28	0.08	0.32	22.3	530	3.4	49.7	0.002	0.36	0.07	7	0.6	0.6	20.6	0.01	0.02	3.3	0.206	0.36	0.68	74	0.34	5	72	0.6
52478	32.3	1.25	470	1.56	0.08	0.24	31.1	700	2.6	59.7	0.002	0.42	<0.05	9.1	0.7	0.8	13.7	<0.01	0.03	3.1	0.263	0.4	0.5	106	0.32	6.68	82	0.5
52479	27.2	1.01	348	0.58	0.08	0.35	19.4	560	3.3	43.1	0.001	0.23	<0.05	7.3	0.5	0.7	27.8	0.01	0.02	2	0.203	0.27	0.36	75	0.22	5.62	60	<0.5
52480	34.6	1.16	439	0.6	0.05	0.13	14.9	410	3.7	37.4	0.001	0.57	0.25	5.2	0.8	0.5	54	<0.01	0.09	1.9	0.117	0.26	0.37	55	0.27	6.76	70	<0.5
ST-19	1	0.84	280	0.17	0.46	0.14	49.4	500	0.2	0.4	0.001	0.1	<0.05	3.1	0.5	0.2	39.6	<0.01	0.02	0.2	0.221	<0.02	0.06	196	<0.05	8.45	33	3.7
52481	19.7	0.86	425	0.54	0.08	0.16	16.2	510	3.4	46.1	<0.001	0.31	0.66	5.1	1	0.5	52.4	<0.01	0.08	2.4	0.18	0.31	0.4	60	0.3	5.51	50	<0.5
52482	25.8	1.06	438	0.83	0.1	0.23	20.3	530	2.6	50.5	0.001	0.31	0.09	7.8	0.5	0.7	46.1	<0.01	0.03	2.5	0.224	0.33	0.43	82	0.31	6.06	63	<0.5
52483	28.6	1.31	426	0.7	0.1	0.27	22.6	660	1.8	51.1	<0.001	0.28	0.07	9	0.5	0.8	16.2	<0.01	0.02	1.9	0.264	0.34	0.32	100	0.28	5.99	72	<0.5
52484	31.1	1.29	465	0.68	0.09	0.24	24	630	2.4	52.5	0.001	0.25	<0.05	8.7	0.5	0.7	14.9	<0.01	0.01	2.3	0.273	0.34	0.35	100	0.38	6.36	78	<0.5
52485	30.8	1.25	525	1.24	0.07	0.32	25.6	690	3.4	56.9	0.001	0.4	<0.05	7.6	0.6	0.6	13.8	<0.01	0.05	2.4	0.264	0.38	0.41	89	0.5	6.85	80	<0.5
52486	27.1	1.04	448	0.48	0.08	0.32	17.9	590	3.1	45.1	<0.001	0.1	<0.05	5.8	0.4	0.7	15.3	<0.01	0.01	2.7	0.234	0.28	0.36	72	0.32	5.65	62	<0.5
52487	24.5	1	408	0.51	0.08	0.2	18.4	550	3	45.8	<0.001	0.13	<0.05	5.5	0.4	0.6	15.4	<0.01	0.02	2.6	0.208	0.32	0.44	64	0.29	5.9	59	<0.5
52488	25.7	1.18	359	0.46	0.1	0.18	22.6	670	1.3	37	<0.001	0.09	0.07	7.2	0.4	0.6	22.9	<0.01	0.02	2.1	0.222	0.23	0.25	99	0.18	5.14	59	<0.5
52489	26.6	1.09	412	0.44	0.09	0.24	19.4	590	2.1	33	<0.001	0.14	0.06	7	0.4	0.6	32.3	<0.01	0.02	2.3	0.211	0.2	0.33	86	0.33	5.3	58	<0.5
52490	24.2	1.01	442	0.68	0.09	0.28	18.5	590	2.2	41.1	<0.001	0.26	0.05	7.2	0.5	0.8	32.7	<0.01	0.02	2.6	0.223	0.27	0.46	73	0.36	5.67	58	<0.5
52491	28.9	1.07	446	0.99	0.08	0.28	20.4	580	2.3	42.1	0.001	0.38	<0.05	7.6	0.5	0.7	23.9	<0.01	0.02	2.3	0.227	0.27	0.44	80	0.33	6.08	61	<0.5
52492	35.1	1.38	520	1.22	0.12	0.37	28.2	900	2.6	55.9	0.001	0.37	<0.05	9.9	0.6	0.8	26.1	<0.01	0.03	3.2	0.278	0.36	0.51	107	0.35	6.89	84	<0.5
52493	35.7	1.37	542	0.72	0.06	0.38	32.9	680	2.4	68.9	0.001	0.29	0.07	8	0.6	0.7	16.5	<0.01	0.03	4	0.301	0.47	0.5	104	0.32	5.45	93	<0.5
52494	27.5	1.17	456	0.72	0.15	0.46	21.3	620	2.4	54.8	0.001	0.22	<0.05	8.6	0.5	0.8	48.2	0.01	0.02	2.6	0.274	0.36	0.45	88	0.39	6.41	66	0.5
52495	25.7	1.26	542	0.84	0.19	0.17	25.6	580	2.2	55.6	0.001	0.37	0.58	10	1	0.7	44.5	<0.01	0.12	2.4	0.258	0.38	0.48	112	0.77	4.96	78	<0.5
52496	34.6	1.36	480	0.77	0.13	0.31	26.9	700	2	55.4	0.001	0.32	0.06	9.7	0.6	0.8	25.8	<0.01	0.03	2.9	0.262	0.35	0.45	109	0.37	6.46	80	<0.5
52497	38.9	1.25	406	0.8	0.07	0.25	30.7	610	2.7	62.4	0.001	0.43	0.05	7.8	0.6	0.7	17.5	<0.01	0.03	3.8	0.217	0.42	0.51	97	0.27	4.39	88	<0.5
52498	32	1.05	418	1.14	0.12	0.31	19.7	540	2.6	36.3	0.001	0.39	0.05	7.1	0.5	0.7	37.4	0.01	0.02	3.1	0.176	0.24	0.54	70	0.27	5.59	60	0.5
52499	34.4	1.2	368	0.64	0.06	0.22	25.2	670	2	50.2	0.001	0.27	<0.05	8.2	0.5	0.7	14.7	<0.01	0.02	2.9	0.204	0.33	0.45	92	0.19	4.36	75	<0.5
52500	36	1.07	381	0.86	0.13	0.27	23.5	670	2	51	0.001	0.33	0.07	7.7	0.5	0.7	31.2	<0.01	0.02	3.5	0.196	0.33	0.53	79	0.25	4.88	70	<0.5
ST-20	1	1.5	314	0.18	0.46	0.09	83.8	320	0.3	0.4	0.001	0.04	<0.05	3.3	0.5	<0.2	45.4	<0.01	0.02	<0.2	0.174	<0.02	<0.05	92	<0.05	5.37	27	3
52501	38.1	1.24	425	1.09	0.13	0.3	25.2	620	2.1	56.2	0.001	0.27	0.06	8.1	0.5	0.8	31.8	<0.01	0.02	3.8	0.237	0.37	0.55	93	0.23	4.91	78	<0.5
52502	34.9	1.25	331	0.55	0.12	0.3	25.3	700	2.7	35.1	<0.001	0.26	0.06	7.9	0.4	0.6	38	0.01	0.01	2.6	0.166	0.23	0.34	92	0.25	4.84	69	<0.5
52503	35.8	1.16	350	0.56	0.21	0.25	21.4	680	2.2	38.3	<0.001	0.16	0.06	8.5	0.5	0.8	41.5	<0.01	0.01	2.5	0.209	0.24	0.39	96	0.25	5.87	66	<0.5
52504	38.8	1.29	442	0.64	0.09	0.33	23.2	640	2.1	51.5	0.001	0.26	0.06	9	0.5	0.8	71.6	0.01	0.02	2.2	0.243	0.34	0.41	93	0.23	5.17	74	<0.5
52505	33.9	1.05	416	0.5	0.13	0.27	19.7	590	2.3	46.4	<0.001	0.15	0.07	7.9	0.5	0.8	30.1	<0.01	0.01	3.1	0.224	0.3	0.57	80	0.22	5.77	63	<0.5
52506	31.9	1.05	404	1.66	0.1	0.2	23.4	650	2.4	47.6	0.002	0.44	0.09	7	0.6	0.6	60.4	<0.01	0.03	2.6	0.201	0.33	0.46	82	0.2	4.49	68	<0.5
52507	29.2	1.02	407	0.53	0.21	0.29	17.3	530	2.3	40.8	<0.001	0.23	0.12	8.4	0.2	0.8	59.3	<0.01	0.01	2.8	0.21	0.23	0.44	76	0.23	5.14	58	<0.5
52508	30.7	1.15	393	0.4	0.18	0.22	19.8	570	2.6	39.8	<0.001	0.26	0.1	8.4	0.2	0.7	95.2	<0.01	0.01	1.4	0.188	0.22	0.2	82	0.15	3.49	60	<0.5
52509	29.3	1.26	465	0.89	0.19	0.27	23.6	620	1.9	51.5	0.001	0.32	0.09	9.8	0.3	0.7	38.2	<0.01	0.02	2.1	0.26	0.29	0.38	100	0.25	5.55	72	<0.5
52510	23.7	1.13	427	0.65	0.09	0.26	20.6	540	2.5	44.4	0.001	0.26	0.05	8.1	0.3	0.6	20.8	<0.01	0.02	2.1	0.203	0.29	0.41	80	0.22	4.72	66	<0.5
52511	31	1.19	382	0.94	0.13	0.3	20.8	700	2.7	47.7	0.001	0.28	0.05	8.2	0.3	0.7	72	<0.01	0.02	3	0.18	0.3	0.52	82	0.17	4.64	67	<0.5
52512	29.4	1.25	352	0.83	0.1	0.28	25.5	600	1.8	44.1	0.001	0.32	0.05	9.8	0.4	0.8	18	<0.01	0.03	1.9	0.163	0.27	0.35	97	0.11	3.63	64	<0.5
52513	32	1.2	386	0.87	0.16	0.32	23.3	650	2	45.1	0.001	0.32	0.05	9.6	0.3	0.7	32.8	<0.01	0.02	2.7	0.224	0.27	0.56	95	0.23	5.16	72	<0.5
52514	29.2	1.07	494	0.84	0.13	0.32	23.1	590	4.4	34.8	0.001	0.38	0.11	7.2	0.3	0.5	81.1	0.01	0.03	2.3	0.164	0.22	0.46	73	0.19	5.27	69	<0.5
52515	25.7	0.82	421	3.25	0.1	0.34	22.1	450	7.8	31.7	0.003	0.65	0.09	5.1	0.4	0.4	35.1	0.01	0.02	3	0.109	0.18	0.9	48	0.16	4.6	70	<0.5
52516	31.4	1.12	472	0.72	0.11	0.24	21.5	510	2	43.3	0.001	0.3	0.09	7.4	0.3	0.7	25.1	<0.01	0.02	2.7	0.212	0.27	0.51	78	0.16	4.77	70	<0.5
52517	34.2	1.14	429	0.81	0.09	0.18	23.4	530	3.6	38.4	0.001	0.5	0.11	5.7	0.4	0.5	22.1	<0.01	0.03	3	0.17	0.26	0.61	65	0.14	5.05	72	<0.5
52518	27.4	1.02	423	2.14	0.09	0.23	20.8	490	2.7	37.7	0.001	0.47	0.11	6.2	0.3	0.6	24.9	<0.01	0.02	2.5	0.188	0.24	0.58	68	0.17	5.12	68	<0.5
52519	27.2	0.98	486	0.64	0.12	0.23	18.1	500	2.6	37.7	0.001	0.21	0.11	7.4	0.2	0.6	30.2	<0.01	0.02	1.9	0.195	0.24	0.35	72	0.23	5.01	62	<0.5
52520	27.9	1.06	426	0.75	0.09	0.18	17.6	530	2.3	36.6	0.001	0.26	0.08	6.8	0.2	0.5	34.9	<0.01	0.01	2.2	0.17	0.24	0.36	69	0.16	4.74	60	<0.5
ST-21	2.6	1.2	280	0.12	0.43	0.14	87.3	110	0.4	0.4	<0.001	0.08	<0.05	4.7	0.5	0.3	55.4	<0.01	0.04	0.2	0.124	0.02	<0.05	249	<0.05	3.32	20	3
52521	25.1	0.94	477	0.64	0.09	0.17	16.2	460	2.7	32.4	<0.001	0.2	0.16	5.7	0.2	0.5	64	<0.01	0.03	2.2	0.148	0.22	0.41	60	0.18	5.13	58	<0.5
52522	27.4	1.16	450	0.57	0.1	0.2	19.6	520	1.8	49.3	0.001	0.2	<0.05	6.2	0.3	0.6	40.7	<0.01	0.02	2.2	0.201	0.32	0.45	65	0.15	4.69	64	<0.5
52523	32.2	1.15	394	0.71	0.09	0.22	22.7	660	2.1	41.3	0.001	0.16	0.06	8	0.2	0.5	29.8	<0.01	0.02	2.3	0.138	0.25	0.31	79	0.14	4.35	61	<0.5
52524	41.1	1.45	416	1	0.07	0.24	42.1	720	2.7	62.8	0.001	0.23	<0.05	9.6	0.4	0.7	14.7	<0.01	0.03	2.9	0.182	0.38	0.6	107	0.13	4.11	57	<0.5
52525	50.6	1.79	612	1.08	0.07	0.24	68.2	1050	3.9	67.7	0.001	0.28	0.08	12.4	0.5	0.9	17.7	<0.01	0.04	3	0.201	0.4	0.38	137	1.58	5.09	61	<0.5
52526	37.8	1.64	392	0.84	0.07	0.29	57.3	810	2.6	66.7	0.001	0.27	<0.05	13.7	0.4	0.9	12.6	<0.01	0.05	2.5	0.206	0.37	0.42	138	0.3	4.21	31	<0.5
52527	27.4	1.5	338	0.74	0.08	0.31	54.7	780	2	65.3	0.001	0.3	<0.05	11.6	0.5	1	11	<0.01	0.06	2.7	0.198	0.4	0.48	127	7.91	4.39	32	0.5
52528	32.7	1.58	365	0.96	0.09	0.35	59.5	970	3.5	59.7	0.001	0.28	<0.05	12	0.6	1	20.4	<0.01	0.06	4.2	0.19	0.34	0.64	124	0.19	6.12	83	0.5
52529	24.3	1.44	427	1.01	0.06	0.31	43.2	770	2.4	52.3	0.001	0.32	<0.05	9.2	0.5	0.7	12.8	<0.01	0.04	3.2	0.162	0.32	0.48	105	1.94	3.95	28	0.5
52530	31.7	1.63	390	0.9	0.09	0.33	51.5	760	3	74.3	0.001	0.39	<0.05	11.5	0.6	0.9	9.6	<0.01	0.06	3.5	0.22	0.44	0.62	139	0.19	4.54	40	0.5
52531	29.6	1.12	380	0.65	0.11	0.24	26.8	560	2	46.3	0.001	0.14	<0.05	8.5	0.2	0.7	19.5	<0.01	0.02	2.6	0.18	0.28	0.36	80	0.46	4.37	58	<0.5
52532	31.9	1.03	387	0.44	0.1	0.25	20.7	500	1.4	50.1	0.001	0.19	<0.05	6.8	0.3	0.6	23.4	<0.01	0.02	2.5	0.198	0.3	0.3	70	0.2	3.75	64	<0.5
52533	29.4	0.9	383	0.37	0.12	0.26	16.6	450	1.3	39.6	<0.001	0.1	0.05	7.8	0.2	0.7	30.5	<0.01	0.01	2	0.191	0.23	0.3	68	0.2	4.09	53	<0.5
52534	30.8	1.04	406	0.93	0.1	0.22	21.7	550	2.7	46	0.001	0.26	0.06	7.2	0.3	0.6	22.3	<0.01	0.02	2.7	0.189	0.3	0.35	70	0.2	4.54	68	<0.5
52535	32.3	0.89	404	0.92	0.07	0.16	21.4	550	4.2	30.6	0.001	0.3	0.12	5.1	0.3	0.3	26.7	<0.01	0.03	2.8	0.104	0.2	0.42	52	0.25	5.75	67	<0.5
52536	29.8	1.03	443	1.91	0.11	0.23	25.2	560	3.5	46.9	0.002	0.5	0.07	5.9	0.4	0.5	22.6	<0.01	0.04	2.8	0.172	0.32	0.48	69	0.34	5.82	74	<0.5
52537	41.9	1.29	464	1.2	0.07	0.27	37.7	710	2.8	52.8	0.001	0.28	0.05	8	0.4	0.6	14.1	<0.01	0.03	3.1	0.158	0.32	0.43	93	0.48	4.62	70	<0.5
52538	39.6	1.37	389	0.82	0.11	0.26	32.2	690	1.5	51.8	0.001	0.28	<0.05	11.1	0.3	0.9	14.3	<0.01	0.03	2.5	0.2	0.3	0.38	106	0.26	4.44	69	<0.5
52539	39.6	1.27	451	0.73	0.14	0.21	24.3	660	1.8	46.1	0.001	0.27	<0.05	9.3	0.2	0.6	31	<0.01	0.02	2.2	0.236	0.24	0.32	102	0.54	5.42	75	<0.5
52540	80.8	2.43	522	0.46	0.19	0.23	112	1900	0.6	60.6	<0.001	0.14	<0.05	21.2	0.4	0.7	42.2	<0.01	0.01	<0.2	0.332	0.42	<0.05	174	0.37	9.56	159	0.6
ST-22	1.3	0.84	287	0.19	0.43	0.21	37.7	570	0.2	0.4	<0.001	0.03	<0.05	4.3	0.4	0.2	38.6	<0.01	0.02	0.2	0.245	<0.02	0.05	158	<0.05	9.46	21	4.5
52541	44.4	2.12	492	0.28	0.12	0.3	91.4	1700	0.5	26.8	<0.001	0.05	0.06	14.8	0.3	0.5	69.7	0.01	0.01	<0.2	0.213	0.18	<0.05	131	0.33	9.13	84	0.7
52542	35.7	1.79	378	0.05	0.18	0.29	70.9	1540	0.5	26.8	<0.001	0.04	0.09	10.7	0.4	0.5	60.4	0.01	0.01	<0.2	0.254	0.19	<0.05	99	0.33	8.92	68	0.9
52543	55.9	2.46	484	0.74	0.15	0.3	101	1360	0.5	39.2	<0.001	0.07	0.05	18.8	0.5	0.7	42.9	0.01	0.01	<0.2	0.285	0.26	<0.05	159	0.33	9.31	102	1.2
52544	46.7	1.84	346	0.39	0.21	0.27	76.9	1440	0.4	28.8	<0.001	0.05	0.06	10.2	0.4	0.5	57.1	0.01	0.02	<0.2	0.276	0.2	<0.05	103	0.3	8.5	67	0.8
52545	36	1.49	314	0.6	0.23	0.32	61.2	1290	0.4	16.4	<0.001	0.02	0.07	9.3	0.3	0.4	110	0.01	0.01	<0.2	0.254	0.11	<0.05	78	5.49	9.3	39	1.2
52546	39.6	1.57	303	0.07	0.19	0.32	63.2	1260	0.4	13.3	<0.001	0.01	0.07	7.3	0.3	0.4	77.2	0.01	0.01	<0.2	0.262	0.06	<0.05	78	0.49	8.77	37	1.2
52547	41.3	1.53	426	0.07	0.19	0.31	62.5	1230	0.6	20.9	<0.001	0.01	0.06	8.3	0.4	0.7	80.3	0.01	0.01	<0.2	0.371	0.13	<0.05	89	0.68	8.74	39	1.5
52548	47.6	1.84	477	1.76	0.17	0.25	67.3	1450	0.6	31.5	<0.001	0.01	0.06	7.9	0.3	0.8	59.8	<0.01	0.01	<0.2	0.37	0.19	0.06	81	0.69	7.95	53	1.3
52549	41	0.79	294	0.41	0.09	0.38	3.2	680	0.6	32.3	<0.001	0.05	<0.05	6.3	0.3	1.2	15.8	<0.01	0.01	0.9	0.223	0.19	0.24	59	0.35	5.34	40	0.6
52550	43.5	1.54	345	0.28	0.16	0.31	58.2	1380	0.4	23.1	<0.001	0.02	0.05	6.6	0.4	0.4	52.8	<0.01	0.01	<0.2	0.297	0.12	<0.05	76	0.49	8.79	36	1.2
52551	41.1	1.27	345	0.1	0.24	0.31	78.7	1710	0.5	27.5	<0.001	0.17	0.07	11	0.5	0.5	106.5	<0.01	0.02	<0.2	0.257	0.22	<0.05	85	0.52	8.49	69	0.8
52552	45.9	1.52	386	0.05	0.18	0.33	77.8	1200	0.6	29.7	<0.001	0.02	0.13	13.8	0.3	0.5	118.5	0.01	0.01	<0.2	0.228	0.22	<0.05	93	0.31	7.55	76	0.7
52553	1.9	0.1	66	0.14	0.04	0.24	3.5	270	<0.2	0.7	<0.001	<0.01	0.24	1.5	<0.2	<0.2	43	<0.01	<0.01	<0.2	0.014	<0.02	<0.05	6	1.72	0.74	3	<0.5
52554	58.8	1.67	380	0.09	0.28	0.54	91.4	1790	0.7	37.4	<0.001	0.02	0.05	11.6	0.3	0.6	325	0.02	0.01	<0.2	0.303	0.27	<0.05	106	0.38	9.55	85	0.8
52555	71.2	1.53	318	0.12	0.23	0.35	107.5	2730	0.7	49.5	<0.001	0.34	<0.05	16.1	0.8	0.6	194.5	0.01	0.04	<0.2	0.282	0.36	<0.05	143	0.49	11.05	119	<0.5
52556	32.1	1.03	317	1.25	0.13	0.28	100	2140	0.4	13.6	<0.001	0.36	0.06	9.8	0.8	0.3	73.5	<0.01	0.05	<0.2	0.162	0.09	<0.05	62	0.47	8.99	58	0.5
52557	62.9	1.93	426	0.16	0.27	0.31	102.5	1470	0.8	44.7	<0.001	0.14	0.05	14.9	0.5	0.6	437	0.01	0.02	<0.2	0.312	0.3	<0.05	123	0.38	9.75	105	0.7
52558	40.4	1.29	345	0.07	0.23	0.35	78.3	1800	0.4	28	<0.001	0.1	0.05	11.1	0.5	0.5	189.5	0.01	0.02	<0.2	0.291	0.19	0.05	86	0.54	11	62	1.1
52559	32.9	1.57	405	0.05	0.16	0.25	78.9	1550	1	18.8	<0.001	0.07	0.11	13	0.3	0.4	73	<0.01	0.02	0.2	0.218	0.14	<0.05	95	0.65	8.87	62	1
52560	37.4	1.24	308	<0.05	0.17	0.37	58.9	1530	0.3	19.3	<0.001	0.01	0.05	8.5	0.3	0.4	59.4	0.01	0.01	<0.2	0.275	0.09	<0.05	70	0.5	8.62	43	1.3
ST-23	1.1	1.07	288	0.15	0.35	0.17	60.1	390	0.2	0.4	0.001	0.03	<0.05	4.1	0.4	0.3	40.5	<0.01	0.04	0.2	0.206	<0.02	0.07	220	<0.05	6.63	27	3.4
52561	47.4	1.39	385	<0.05	0.19	0.34	72.7	1460	0.4	28.7	<0.001	0.06	0.07	12.4	0.4	0.5	84.6	0.01	0.01	<0.2	0.31	0.19	0.05	93	0.52	9.84	66	1.3
52562	46.3	1.48	480	2.31	0.22	0.41	91.2	2220	0.9	36.8	0.001	0.42	0.09	15.5	1.1	0.7	266	0.01	0.02	0.2	0.29	0.23	0.05	127	0.82	11.4	89	0.9
52563	33.7	1.67	531	0.05	0.19	0.27	85.5	1350	1	24	<0.001	0.04	0.15	13.5	0.4	0.3	137.5	<0.01	0.02	<0.2	0.275	0.19	<0.05	97	0.55	8.45	50	1.4
52564	28.6	1.13	354	0.09	0.23	0.36	68.5	1420	0.4	15.9	<0.001	0.06	0.06	8	0.4	0.4	107	0.01	0.02	<0.2	0.263	0.09	<0.05	62	0.51	9.03	30	1.3
52565	43.6	1.21	414	0.05	0.2	0.31	67	1720	0.3	20.5	<0.001	0.03	0.05	9.2	0.4	0.4	71.2	0.01	0.02	<0.2	0.314	0.15	0.05	77	0.62	10.1	40	1.4

VA11101001 - Finalized
CLIENT : "MILBAVE - Mill Bay Ventures"
# of SAMPLES : 24
DATE RECEIVED : 2011-06-08 DATE FINALIZED : 2011-06-26
PROJECT : " "
CERTIFICATE COMMENTS : ""
PO NUMBER : " "

	Au-SCR24	Au-SCR24	Au-SCR24	Au-SCR24	Au-SCR24	Au-SCR24	Au-AA26	Au-AA26D
SAMPLE	Au Total (+)(-) Com	Au (+) Fraction	Au (-) Fraction	Au (+) mg	WT. + Frac Entire	WT. - Frac Entire	Au	Au
DESCRIPTION	ppm	ppm	ppm	mg	g	g	ppm	ppm
52480	<0.05	<0.05	<0.05	<0.001	47.09	1072.5	0.01	<0.01
52481	<0.05	<0.05	<0.05	<0.001	60.99	936.3	0.02	0.01
52482	<0.05	<0.05	<0.05	<0.001	64.79	917.3	<0.01	<0.01
52495	0.09	0.33	0.08	0.012	36.64	811.8	0.09	0.06
52496	0.05	0.57	<0.05	0.032	55.88	973.4	0.03	0.01
52537	1.22	2.91	1.11	0.183	62.79	973.1	1.22	1
52551	0.62	9.36	0.19	0.439	46.92	957.4	0.18	0.2

Valentine Mountain Project Drill Core Log and Sample Record

Date/Target:	**April, 2011 / Discovery Zone**							**Acid Tests:**	**Hole Number:**	**11-4**	
Location:	**UTM NAD83 Zone 10N 434640E 5374140N 813 m. elevation uncorrected**							**none**	**Collar Azimuth:**	**0**	
Total Length	**860 feet = 262.13 metres**								**Collar Dip:**	**-60**	

DDH No	Sample No	FROM ft	TO ft	WIDTH ft	Description
V11DDH-4	52441	7	10.5	3.5	4% qtz 0.1-1.5 cm @45 degrees to ca, 1% diss & frac fill py, trace limonite fracture filling
V11DDH-4	52442	10.5	14.7	4.2	3% qtz 0.1-0.5 cm @35-65 degrees to ca, 1% diss & frac fill py, trace limonite fracture filling
V11DDH-4	52443	14.7	17.2	2.5	4% qtz 0.1-6.5 cm @45-65 degrees to ca, 1% diss & frac fill py
V11DDH-4	52444	17.2	20.4	5	4% qtz 0.1-6.5 cm @45-65 degrees to ca, 1% diss & frac fill py
V11DDH-4	52445	20.4	24.5	4.1	4% qtz 0.1-6.5 cm @45-65 degrees to ca, 1% diss & frac fill py
V11DDH-4	52446	24.5	30.4	5.9	4% qtz 0.1-2.5 cm @45-65 degrees to ca, 1% diss & frac fill py
V11DDH-4	52447	30.4	34.2	3.8	4% qtz 0.1-1.5 cm @45-65 degrees to ca, 1% diss & frac fill py
V11DDH-4	52448	34.2	35.3	1.1	6% qtz 0.1-1.5 cm @45-65 degrees to ca, 1% diss & frac fill py
V11DDH-4	52449	35.3	40.3	5	6% qtz 0.1-1.5 cm @45-65 degrees to ca, 1% diss & frac fill py
V11DDH-4	52450	40.3	45.8	5	3% qtz 0.1-2 cm @60-70 degrees to ca, 1% diss & frac fill py
V11DDH-4	52451	45.8	50.8	5	4% qtz 0.1-1 cm @60-65 degrees to ca, 1% diss & frac fill py
V11DDH-4	52452	50.8	53	2.2	20% qtz 0.1-6 cm @35-65 degrees to ca, 1% diss & frac fill py
V11DDH-4	52453	53	58.2	5.2	3% qtz 0.1-0.5 cm @45-65 degrees to ca, 1% diss & frac fill py
V11DDH-4	52454	58.2	64.2	6	3% qtz 0.1-1 cm @45-65 degrees to ca, 1% diss & frac fill py
V11DDH-4	52455	64.2	69	4.8	3% qtz 0.1-2.5 cm @45-65 degrees to ca, 1% diss & frac fill py
V11DDH-4	52456	69	70.1	1.1	3% qtz 0.1-1 cm @45-65 degrees to ca, 1% diss & frac fill py, 1% calcite
V11DDH-4	52457	70.1	77.1	7	3% qtz 0.1-1 cm @45-65 degrees to ca, 1% diss & frac fill py, 1% calcite
V11DDH-4	52458	77.1	82.5	5.4	3% qtz 0.1-1 cm @45-65 degrees to ca, 1% diss & frac fill py, 1% calcite
V11DDH-4	52459	82.5	87.1	4.6	3% qtz 0.1-1 cm @45-65 degrees to ca, 1% diss & frac fill py, 1% calcite
V11DDH-4	52460	97	101.2	4.2	5% qtz 0.1-3 cm @55-65 degrees to ca, 1% diss & frac fill py
V11DDH-4	52461	101.2	105.4	4.2	3% qtz 0.1-2 cm @50-70 degrees to ca, 1% diss & frac fill py
V11DDH-4	52462	105.4	109.5	4.1	5% qtz 0.1-3 cm @25-65 degrees to ca, 1% diss & frac fill py, 2% chlorite
V11DDH-4	52463	109.5	113.5	4	4% qtz 0.1-2.5 cm @55-65 deg to ca, 3% diss & frac fill py, 2% chl
V11DDH-4	52464	113.5	115.5	2	65% qtz 3-40 cm @75 degrees to ca, 4% diss & frac fill py, pyo,
V11DDH-4	52465	115.5	120	4.5	3% qtz 0.1-1 cm @60-65 degrees to ca, 1% diss & frac fill py
V11DDH-4	52466	120	125	5	3% qtz 0.1-1 cm @60-65 degrees to ca, 1% diss & frac fill py
V11DDH-4	52467	125	130	5	3% qtz 0.1-1 cm @60-65 degrees to ca, 1% diss & frac fill py
V11DDH-4	52468	142.2	149.2	7	% qtz 0.1-5 cm @50-65 degrees to ca, 2% diss & frac fill py
V11DDH-4	52469	149.2	155.5	6.3	8% qtz 1-4 cm vns @50-65 degrees to ca, 1% diss & frac fill py
V11DDH-4	52470	155.5	162	6.5	3% qtz 0.1-1 cm @55-70 degrees to ca, 1% diss & frac fill py
V11DDH-4	52471	162	166	4	5% qtz 0.1-5 cm @65-70 degrees to ca, 1% diss & frac fill py
V11DDH-4	52472	166	167.5	1.5	35% qtz 0.1-6 cm @30-40 degrees to ca, 4% diss & frac fill py, pyo, 5% sec brown biotite, late vuggy qtz-cal, weak breccia texture
V11DDH-4	52473	167.5	171	3.5	4% qtz 0.1-1 cm @50-65 degrees to ca, 1% diss & frac fill py
V11DDH-4	52474	171	175.3	4.3	10% qtz 0.1-5 cm @10-30 & 80 degrees to ca, 1% diss & frac fill py, late vuggy qtz-cal, weak breccia texture, 2% calcite
V11DDH-4	52475	175.3	180.2	4.9	12% qtz 0.1-1 cm @50-75 degrees to ca, 3% diss & frac fill py
V11DDH-4	52476	180.2	185	4.8	4% qtz 0.1-1 cm @40-75 degrees to ca, 1% diss & frac fill py, 5% sericite-muscovite, 4% brown biotite
V11DDH-4	52477	185	189.4	4.4	3% qtz 0.1-3 cm @60-65 degrees to ca, 1% diss & frac fill py, 5% sericite-muscovite, 4% brown biotite
V11DDH-4	52478	189.4	193.8	4.4	3% qtz 0.1-3 cm @30-70 degrees to ca, 1% diss & frac fill py, 5% sericite-muscovite, 4% brown biotite
V11DDH-4	52479	193.8	197.6	3.8	4% qtz 0.1-1 cm @60-65 degrees to ca, 1% diss & frac fill py, 5% sericite-muscovite, 4% brown biotite
V11DDH-4	52480	197.6	200.8	3.2	3% qtz 0.1-0.5 cm @60-65 degrees to ca, 1% diss & frac fill py, 5% sericite-muscovite, 4% brown biotite
V11DDH-4	52481	200.8	203.9	3.1	20% qtz 0.1-12 cm @30-65 degrees to ca, 3% diss & frac fill py, 5% sericite-muscovite, 4% brown biotite, foliation 55-65 to ca
V11DDH-4	52482	203.9	207.3	3.4	3% qtz 0.1-1.5 cm @50-65 degrees to ca, 1% diss & frac fill py
V11DDH-4	52483	207.3	211.5	4.2	4% qtz 0.1-1 cm @50-65 degrees to ca, 1% diss & frac fill py
V11DDH-4	52484	211.5	214.7	3.2	4% qtz 0.1-1 cm @50-65 degrees to ca, 1% diss & frac fill py
V11DDH-4	52485	214.7	217.9	3.2	4% qtz 0.1-1 cm @60-65 degrees to ca, 1% diss & frac fill py
V11DDH-4	52486	217.9	220.9	3	12% qtz 0.1-3 cm @50-75 degrees to ca, 2% diss & frac fill py,
V11DDH-4	52487	220.9	224	3.1	3% qtz 0.1-1 cm @60-65 deg to ca, 1% diss & frac fill py
V11DDH-4	52488	254	260	6	3% qtz 0.1-1 cm @30-55 degrees to ca, 2% diss & frac fill py
V11DDH-4	52489	260	265	5	15% qtz 0.1-3 cm @65-80 degrees to ca, 3% diss & frac fill py, weak qtz stwk & sheeted texture developed
V11DDH-4	52490	265	270	5	4% qtz 0.1-3 cm @40-70 degrees to ca, 1% diss & frac fill py, trace graphite
V11DDH-4	52491	281.5	286.6	5.1	10% qtz 0.1-3.5 cm @60-65 degrees to ca, 3% diss & frac fill py, pyo, trace arsenopyrite
V11DDH-4	52492	286.6	291.8	5.2	20% qtz 0.1-6 cm @30-65 degrees to ca, 3% diss & frac fill py, pyo, trace-0.1% arsenopyrite
V11DDH-4	52493	291.8	297	5.2	5% qtz 0.1-3 cm @30-65 degrees to ca, 1% diss & frac fill py,
V11DDH-4	52494	297	302.1	5.1	3% qtz 0.1-1 cm @60-65 degrees to ca, 2% cal, 1% diss & frac fill py,
V11DDH-4	52495	302.1	307.1	5	6% qtz 0.1-3 cm @30-70 degrees to ca, 1% cal, 3% diss & frac fill py,
V11DDH-4	52496	307.1	312.2	5.1	12% qtz 0.1-5 cm @55-75 degrees to ca, 2% cal, 2% diss & frac fill py,
V11DDH-4	52497	319	325	6	4% qtz 0.1-1 cm @55-65 degrees to ca, 1% cal, 1% diss & frac fill py,
V11DDH-4	52498	325	330	5	4% qtz 0.1-1 cm @55-65 degrees to ca, 1% cal, 1% diss & frac fill py,
V11DDH-4	52499	330	335	5	4% qtz 0.1-1 cm @55-65 degrees to ca, 1% cal, 1% diss & frac fill py,
V11DDH-4	52500	335	340	5	8% qtz 0.1-12 cm @45-65 degrees to ca, 1% cal, 1% diss & frac fill py, 2% sericite-muscovite, foliation contorted
V11DDH-4	52501	340	345	5	8% qtz 0.1-12 cm @45-65 degrees to ca, 1% cal, 1% diss & frac fill py, 2% sericite-muscovite, foliation contorted
V11DDH-4	52502	345	350	5	8% qtz 0.1-12 cm @45-65 degrees to ca, 1% cal, 1% diss & frac fill py, 2% sericite-muscovite, foliation contorted
V11DDH-4	52503	350	355	5	8% qtz 0.1-12 cm @45-65 degrees to ca, 1% cal, 1% diss & frac fill py, 2% sericite-muscovite, foliation contorted
V11DDH-4	52504	355	360	5	8% qtz 0.1-12 cm @45-65 degrees to ca, 1% cal, 1% diss & frac fill py, 2% sericite-muscovite, foliation contorted
V11DDH-4	52505	360	366.8	6.8	4% qtz 0.1-2 cm @60 degrees to ca, 1% cal, 1% diss & frac fill py, pyo
V11DDH-4	52506	366.8	369	2.2	15% qtz 0.1-7 cm @40-70 degrees to ca, 3% cal, 1% diss & frac fill py,pyo
V11DDH-4	52507	369	371.8	2.8	3% qtz 0.1-2 cm @55-75 degrees to ca, 1% cal, 1% diss & frac fill py, pyo
V11DDH-4	52508	371.8	372.8	1	35% qtz 0.1-11 cm @55-75 degrees to ca, 1% cal, 1% diss & frac fill py, pyo, foliation 55-65
V11DDH-4	52509	372.8	381.5	8.7	2% qtz 0.1-2 cm @50-70 degrees to ca, 1% cal, 1% diss & frac fill py,
V11DDH-4	52510	381.5	386	4.5	3% qtz 0.1-1 cm @50-70 degrees to ca, 1% cal, 1% diss & frac fill py,
V11DDH-4	52511	386	390.5	4.5	8% qtz 0.1-5 cm @40-70 degrees to ca, 2% cal, 2% diss & frac fill py
V11DDH-4	52512	403.7	409	5.3	6% qtz 0.1-3 cm @75 degrees to ca, 2% cal, 1% diss & frac fill py
V11DDH-4	52513	409	414.5	5.5	3% qtz 0.1-1 cm @75 degrees to ca, 1% cal, 1% diss & frac fill py
V11DDH-4	52514	414.5	420.5	6	3% qtz 0.1-1 cm @75 degrees to ca, 1% cal, 1% diss & frac fill py
V11DDH-4	52515	443.2	445.7	2.5	6% qtz 0.1-2 cm @30-70 degrees to ca, 4% cal, 1% diss & frac fill py, pyo, contorted foliation
V11DDH-4	52516	445.7	450.3	4.6	6% qtz 0.1-1.5 cm @55-70 degrees to ca, 1% cal, 1% diss & frac fill py, pyo
V11DDH-4	52517	450.3	455	4.7	6% qtz 0.1-1.5 cm @55-70 degrees to ca, 1% cal, 1% diss & frac fill py, pyo
V11DDH-4	52518	455	460	5	6% qtz 0.1-1.5 cm @55-70 degrees to ca, 1% cal, 1% diss & frac fill py, pyo
V11DDH-4	52519	482	486.5	4.5	6% qtz 0.1-1.5 cm @55-70 degrees to ca, 1% cal, 1% diss & frac fill py, pyo, broken ground
V11DDH-4	52520	486.5	491	4.5	3% qtz 0.1-1.5 cm @45 & 80 degrees to ca, 1% cal, 1% diss & frac fill py, pyo, broken ground 486.8-489
V11DDH-4	52521	491	495.5	4.5	3% qtz 0.1-1.5 cm @45 & 80 degrees to ca, 1% cal, 1% diss & frac fill py
V11DDH-4	52522	495.5	500	4.5	3% qtz 0.1-1.5 cm @45 & 80 degrees to ca, 1% cal, 1% diss & frac fill py
V11DDH-4	52523	500	505	5	3% qtz 0.1-1.5 cm @45 & 80 degrees to ca, 1% cal, 1% diss & frac fill py, broken ground 500-500.3
V11DDH-4	52524	505	510	5	3% qtz 0.1-1.5 cm @55 & 75 degrees to ca, 1% cal, 1% diss & frac fill py,
V11DDH-4	52525	510	515	5	3% qtz 0.1-1.5 cm @55 & 75 degrees to ca, 1% cal, 1% diss & frac fill py, fault with 3% clay 512.7-512.9
V11DDH-4	52526	515	520	5	4% qtz 0.1-1 cm @70-75 degrees to ca, 1% diss & frac fill py,
V11DDH-4	52527	520	525	5	4% qtz 0.1-1 cm @70-75 degrees to ca, 1% diss & frac fill py, trace graphite
V11DDH-4	52528	525	530	5	4% qtz 0.1-1 cm @70-75 degrees to ca, 1% diss & frac fill py, trace graphite
V11DDH-4	52529	530	535	5	4% qtz 0.1-1 cm @70-75 degrees to ca, 1% diss & frac fill py, trace graphite
V11DDH-4	52530	535	541	6	4% qtz 0.1-1 cm @70-75 degrees to ca, 1% diss & frac fill py, trace graphite
V11DDH-4	52531	541	547	6	4% qtz 0.1-1 cm @70-75 degrees to ca, 1% diss & frac fill py, trace graphite
V11DDH-4	52532	547	551.7	4.7	12% qtz 0.1-8 cm @50 & 70 degrees to ca, 1% cal, 3% diss & frac fill py, pyo
V11DDH-4	52533	551.7	554.2	2.5	30% qtz 0.1-16 cm @20 & 80 degrees to ca, 1% cal, 3% diss & frac fill py, pyo
V11DDH-4	52534	554.2	558.5	4.3	3% qtz 0.1-1.5 cm @65-80 degrees to ca, 1% cal, 1% diss & frac fill py, pyo
V11DDH-4	52535	558.5	562.7	4.2	3% qtz 0.1-1.5 cm @65-80 degrees to ca, 1% cal, 1% diss & frac fill py, pyo, fault 558.7-559.7, 2% clay, 80% recovery in fault
V11DDH-4	52536	562.7	567	4.3	3% qtz 0.1-1.5 cm @65-80 degrees to ca, 1% cal, 1% diss & frac fill py, pyo
V11DDH-4	52537	567	571.3	4.3	3% qtz 0.1-1.5 cm @65-80 degrees to ca, 1% cal, 1% diss & frac fill py, pyo
V11DDH-4	52538	571.3	575.5	4.2	3% qtz 0.1-1.5 cm @65-80 degrees to ca, 1% cal, 1% diss & frac fill py, pyo
V11DDH-4	52539	575.5	580	4.5	3% qtz 0.1-1.5 cm @65-80 degrees to ca, 1% cal, 1% diss & frac fill py, pyo
V11DDH-4	52540	627	632	5	3% qtz 0.1-3 cm @ 55-80 degrees to ca, 3% cal, 1% diss & frac fill py, pyo
V11DDH-4	52541	632	637	5	3% qtz 0.1-3 cm @ 55-80 degrees to ca, 3% cal, 1% diss & frac fill py, pyo
V11DDH-4	52542	637	642	5	3% qtz 0.1-3 cm @ 55-80 degrees to ca, 3% cal, 1% diss & frac fill py, pyo
V11DDH-4	52543	642	647	5	3% qtz 0.1-3 cm @ 55-80 degrees to ca, 3% cal, 1% diss & frac fill py, pyo
V11DDH-4	52544	647	652	5	3% qtz 0.1-3 cm @ 55-80 degrees to ca, 3% cal, 1% diss & frac fill py, pyo
V11DDH-4	52545	652	655.8	3.8	3% qtz 0.1-3 cm @ 55-80 degrees to ca, 3% cal, 1% diss & frac fill py, pyo
V11DDH-4	52546	655.8	660.1	4.3	3% qtz 0.1-3 cm @ 55-80 degrees to ca, 3% cal, 1% diss & frac fill py, pyo
V11DDH-4	52547	660.1	664.4	4.3	3% qtz 0.1-3 cm @ 55-80 degrees to ca, 3% cal, 1% diss & frac fill py, pyo
V11DDH-4	52548	664.4	668.8	4.4	3% qtz 0.1-3 cm @ 55-80 degrees to ca, 3% cal, 1% diss & frac fill py, pyo
V11DDH-4	52549	668.8	672.5	3.7	4% qtz 0.1-3 cm @ 55-80 degrees to ca, 1% diss & frac fill py, pyo, weak clay alteration, diorite dyke/sill
V11DDH-4	52550	672.5	677.5	5	3% qtz 0.1-3 cm @ 55-80 degrees to ca, 3% cal, 1% diss & frac fill py, pyo
V11DDH-4	52551	797.2	800.5	2.5	5% qtz 0.1-3 cm @ 25 & 80 degrees to ca, 3% cal, 2% diss & frac fill py, pyo
V11DDH-4	52552	800.5	803	2.5	12% qtz 0.1-3 cm @ 25 & 80 degrees to ca, 3% cal, 3% chlorite, 2% diss & frac fill py, pyo
V11DDH-4	52553	803	805.8	2.8	90% qtz 0.1-3 cm @ 20 & 75 degrees to ca, 3% cal, 3% chlorite, 2% diss & frac fill py, pyo
V11DDH-4	52554	805.8	809.8	4	3% qtz 0.1-2 cm @ 65-80 degrees to ca, 2% cal, 1% diss & frac fill py, pyo
V11DDH-4	52555	809.8	813.8	4	3% qtz 0.1-1 cm @ 65-80 degrees to ca, 2% cal, 1% diss & frac fill py, pyo
V11DDH-4	52556	813.8	816	2.2	20% qtz 0.1-8 cm @ 25 & 80 degrees to ca, breccia texture, 3% cal, 3% chlorite, 2% diss & frac fill py, pyo
V11DDH-4	52557	816	820	4	3% qtz 0.1-2 cm @ 70-80 degrees to ca, 2% cal, 1% diss & frac fill py, pyo
V11DDH-4	52558	820	825	5	3% qtz 0.1-2 cm @ 70-80 degrees to ca, 2% cal, 1% diss & frac fill py, pyo
V11DDH-4	52559	825	830	5	3% qtz 0.1-2 cm @ 70-80 degrees to ca, 2% cal, 1% diss & frac fill py, pyo
V11DDH-4	52560	830	835	5	3% qtz 0.1-2 cm @ 70-80 degrees to ca, 2% cal, 1% diss & frac fill py, pyo
V11DDH-4	52561	835	840	5	3% qtz 0.1-2 cm @ 70-80 degrees to ca, 2% cal, 1% diss & frac fill py, pyo
V11DDH-4	52562	840	845	5	3% qtz 0.1-2 cm @ 70-80 degrees to ca, 2% cal, 1% diss & frac fill py, pyo
V11DDH-4	52563	845	850	5	3% qtz 0.1-2 cm @ 70-80 degrees to ca, 2% cal, 1% diss & frac fill py, pyo
V11DDH-4	52564	850	855	5	3% qtz 0.1-2 cm @ 70-80 degrees to ca, 2% cal, 1% diss & frac fill py, pyo
V11DDH-4	52565	855	860	5	3% qtz 0.1-2 cm @ 70-80 degrees to ca, 2% cal, 1% diss & frac fill py, pyo

Valentine Mountain Project Drill Core Log and Sample Record

Date/Target:	**April, 2011 / Discovery Zone**		**Pajari Test**	**Azimuth**	**Dip**	**Hole Number:**		**11-5**	
Location:	**UTM NAD83 Zone 10N 434611E 5374115N 815 m. elevation uncorrected**		**720 feet**	**344**	**-50**	**Collar Azimuth:**		**0**	
Total Length:	**720 feet = 219.46 metres**		**219.46 metres**	**344**	**-50**		**Collar Dip:**	**-60**	
Interval (m)	**Description**	**Rx**	**Sample No**	**From (m)**	**To (m)**	**Length (m)**	**Au g/t**	**Ag g/t**	**As ppm**
2.13	Overburden	casing		0.00	2.13	2.13			
0.91	7-41.5 unit 2 gneiss (metasandstone)	2		2.13	3.05	0.91			
1.52		2		3.05	4.57	1.52			
1.52		2		4.57	6.10	1.52			
0.91		2		6.10	7.01	0.91			
1.04	12% qtz 0.1-6 cm @30-40 degrees to ca, foliation @ 35-55 to ca,2% diss & frac fill py, trace limonite	6	52566	7.01	8.05	1.04	0.001	0.06	24.2
1.40	3% qtz 0.1-1 cm @55-65 degrees to ca, 1% diss & frac fill py, tr lim fract fill, broken ground 29.9-30	2	52567	8.05	9.45	1.40	0.001	0.05	32.2
0.85	35% qtz 0.1-12 cm @10-80 degrees to ca, breccia texture, 3% chlorite, 3% diss & frac fill py, tr limonite	6	52568	9.45	10.30	0.85	0.001	0.06	22.1
0.37		2		10.30	10.67	0.37			
1.52		2		10.67	12.19	1.52			
1.07		2		12.19	13.26	1.07			
0.30	10% qtz 0.1-3 cm, 3% diss & frac fill py, pyo, host diorite dyke/sill, broken grd 43.5-44.5, 41.5-53.5 unit 5 diorite dyke/sill	6	52569	13.26	13.56	0.30	0.001	0.03	4.6
0.91	3% qtz 0.1-1 cm, @ 20 & 55 deg to ca, 1% diss & frac fill py, pyo, hosted in diorite dyke/sill	5	52570	13.56	14.48	0.91	0.001	0.06	5.6
0.76	20% qtz 0.1-14 cm, @ 10-50 deg to ca, 2% diss & frac fill py, pyo, host diorite dyke/sill, 3% hb xtals, 53.5-121 unit 2 gneiss	6	52571	14.48	15.24	0.76	0.001	0.05	11.8
1.52		6		15.24	16.76	1.52			
1.52		2		16.76	18.29	1.52			
1.52		2		18.29	19.81	1.52			
0.91		2		19.81	20.73	0.91			
0.00		2		20.73	20.73	0.00			
0.91	6% qtz 0.1-3 cm, 2% diss & frac fill py, pyo, broken grd 68-68.5	2	52572	20.73	21.64	0.91	<0.05	0.17	1480
0.61	40% qtz 0.1-20 cm @30-45 degrees to ca, breccia texture, 3% chlorite, 3% diss & frac fill py	6	52573	21.64	22.25	0.61	<0.05	0.11	39.5
1.58	4% qtz 0.1-1 cm, 1% diss & frac fill py, pyo, broken grd 68-68.5	2	52574	22.25	23.84	1.58	0.001	0.06	5.9
0.85	3% qtz 0.1-1 cm, @ 45-60 deg to ca, 1% diss & frac fill py, pyo	2	52575	23.84	24.69	0.85	0.001	0.07	2.8
0.82	15% qtz 0.1-4 cm, @5-45 deg to ca,1% diss & frac fill py, pyo	6	52576	24.69	25.51	0.82	0.001	0.1	11.5
1.77	3% qtz 0.1-1 cm, @ 45-60 deg to ca, 1% diss & frac fill py, pyo	2	52577	25.51	27.28	1.77	0.001	0.05	8.2
0.15		2		27.28	27.43	0.15			
1.52		2		27.43	28.96	1.52			
1.52		2		28.96	30.48	1.52			
1.52		2		30.48	32.00	1.52			
1.52		2		32.00	33.53	1.52			
0.55		2		33.53	34.08	0.55			
1.58	3% qtz 0.1-1 cm, @ 45-60 deg to ca, 1% diss & frac fill py, pyo	2	52578	34.08	35.66	1.58	0.001	0.05	7
1.43	3% qtz 0.1-1 cm, @ 45-60 deg to ca, 1% diss & frac fill py, pyo, broken ground, fault, 1% clay	2	52579	35.66	37.09	1.43	0.001	0.09	18.6
1.13	25% qtz 0.1-22 cm, @ 25-60 deg to ca, 1% diss & frac fill py, pyo, broken ground, fault, 3% clay, 121-128 unit 5 diorite dyke/sill	6	52580	37.09	38.22	1.13	0.001	0.07	9.6
1.10	3% qtz 0.1-1 cm, @ 45-60 deg to ca, 1% diss & frac fill py, pyo, fault 128.8-129.4, 1% clay in fault	5	52581	38.22	39.32	1.10	0.001	0.06	7.6
0.73	6% qtz 0.1-3 cm, @ 45-60 deg to ca, 1% diss & frac fill py, pyo, fault 128.8-129.4, 1% clay in fault, 128-132.5 unit 2 gneiss (metasst)	5	52582	39.32	40.05	0.73	0.001	0.05	1.2
1.10	132.5-199.1 unit 1 schist (metapelite)	1		40.05	41.15	1.10			
1.52		1		41.15	42.67	1.52			
1.52	3% qtz 0.1-1 cm, @ 45-60 deg to ca, 1% diss & frac fill py, pyo	1	52583	42.67	44.20	1.52	0.001	0.1	1.5
0.61	1% qtz 0.1-1 cm, @ 45-60 deg to ca, 8% chl as frac fill,3% diss & frac fill py, pyo	1	52584	44.20	44.81	0.61	0.001	0.1	1.5
0.61	8% qtz 0.1-4.5 cm, @ 55-60 deg to ca, 1% diss & frac fill py, pyo	1	52585	44.81	45.42	0.61	0.001	0.14	0.7
0.30		1		45.42	45.72	0.30			
1.52		1		45.72	47.24	1.52			
1.52		1		47.24	48.77	1.52			
0.09		1		48.77	48.86	0.09			
1.43	3% qtz 0.1-3 cm, @ 50-60 deg to ca, 10% chl, 1% diss & frac fill py, pyo, broken grd 160.3-161,164-165 graphite	1	52586	48.86	50.29	1.43	0.001	0.1	7.3
1.68	15% qtz 0.1-13 cm, @50-70 deg to ca, foliation @ 40-70, 1% diss & frac fill py, pyo	6	52587	50.29	51.97	1.68	<0.001	0.13	0.9
1.37		1		51.97	53.34	1.37			
1.52		1		53.34	54.86	1.52			
1.25		1		54.86	56.11	1.25			
1.52	3% qtz 0.1-1 cm, @50-70 deg to ca, foliation @ 50-70, 1% diss & frac fill py, pyo, broken grd 184.5-185	1	52588	56.11	57.64	1.52	<0.001	0.1	5.2
1.52	3% qtz 0.1-1 cm, @50-70 deg to ca, foliation @ 50-70, 1% diss & frac fill py, pyo	1	52589	57.64	59.16	1.52	0.001	0.1	1.4
1.52	3% qtz 0.1-1 cm, @50-70 deg to ca, foliation @ 50-70, 1% diss & frac fill py, pyo	1	52590	59.16	60.69	1.52	0.001	0.1	1.6
1.34	3% qtz 0.1-1 cm, @50-70 deg to ca, foliation @ 60-70, 1% diss & frac fill py, pyo	2	52591	60.69	62.03	1.34	0.001	0.06	2.6
1.62	3% qtz 0.1-1 cm, @50-70 deg to ca, foliation @ 60-70, 1% diss & frac fill py, pyo, broken grd 203.5-220, 199.1-455 unit 2 gneiss (metasst)	2	52592	62.03	63.64	1.62	<0.001	0.06	2.8
1.55	3% qtz 0.1-1 cm, @50-70 deg to ca, foliation @ 50-70, 1% diss & frac fill py, pyo, broken grd 203.5-220,	2	52593	63.64	65.20	1.55	0.001	0.06	2
1.55	3% qtz 0.1-1 cm, @50-70 deg to ca, foliation @ 50-70, 1% diss & frac fill py, pyo, broken grd 203.5-220	2	52594	65.20	66.75	1.55	<0.001	0.05	2.6
1.28	3% qtz 0.1-1 cm, @50-70 deg to ca, foliation @ 50-70, 1% diss & frac fill py, pyo, broken grd 203.5-220	2	52595	66.75	68.03	1.28	0.001	0.1	1.1
1.16	3% qtz 0.1-2 cm, @50-60 deg to ca, foliation @ 50-70, 1% diss & frac fill py, pyo	2	52596	68.03	69.19	1.16	<0.001	0.12	3.5
1.07	3% qtz 0.1-2 cm, @50-60 deg to ca, foliation @ 50-70, 1% diss & frac fill py, pyo	2	52597	69.19	70.26	1.07	<0.001	0.08	3
1.04	3% qtz 0.1-2 cm, @50-60 deg to ca, foliation @ 50-70, 1% diss & frac fill py, pyo	2	52598	70.26	71.29	1.04	<0.001	0.08	1.8
0.37	20% qtz 0.1-10 cm, @50-65 deg to ca, 3% diss & frac fill py, pyo	6	52599	71.29	71.66	0.37	0.001	0.05	1.7
1.34	3% qtz 0.1-2 cm, @50-65 deg to ca, 1% diss & frac fill py, pyo	2	52600	71.66	73.00	1.34	0.001	0.06	2.5
0.61	20% qtz 0.1-14 cm, @50-65 deg to ca, 3% diss & frac fill py, pyo	6	52601	73.00	73.61	0.61	0.001	0.06	3.3
1.13	3% qtz 0.1-2 cm, @50-65 deg to ca, 1% diss & frac fill py, pyo	2	52602	73.61	74.74	1.13	0.001	0.09	1.5
1.83	3% qtz 0.1-2 cm, @50-65 deg to ca, 1% diss & frac fill py, pyo	2	52603	74.74	76.57	1.83	0.001	0.06	5.1
1.62	3% qtz 0.1-2 cm, @50-65 deg to ca, 1% diss & frac fill py, pyo	2	52604	76.57	78.18	1.62	0.003	0.07	4.2
0.67	20% qtz 0.1-10 cm, @65-70 deg to ca, 2% diss & frac fill py, pyo	6	52605	78.18	78.85	0.67	0.002	0.07	3.4
1.01	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo	2	52606	78.85	79.86	1.01	0.001	0.07	2.2
0.91	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo	2	52607	79.86	80.77	0.91	0.001	0.07	1.2
1.22	3% qtz 0.1-2 cm, @60-65 deg to ca, 1% diss & frac fill py, pyo	2	52608	80.77	81.99	1.22	<0.001	0.05	9.5
1.01	3% qtz 0.1-2 cm, @60-65 deg to ca, 1% diss & frac fill py, pyo	2	52609	81.99	83.00	1.01	0.001	0.07	4.1
0.52	20% qtz 0.1-10 cm, @65-70 deg to ca, 2% diss & frac fill py, pyo	6	52610	83.00	83.52	0.52	0.002	0.06	5.7
0.61	3% qtz 0.1-2 cm, @60-65 deg to ca, 1% diss & frac fill py, pyo	2	52611	83.52	84.12	0.61	0.001	0.07	8.4
0.46	20% qtz 0.1-10 cm, @65-70 deg to ca, 2% diss & frac fill py, pyo	6	52612	84.12	84.58	0.46	0.002	0.05	7.8
0.46	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo	2	52613	84.58	85.04	0.46	0.002	0.09	4.8
1.22	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo	2	52614	85.04	86.26	1.22	0.005	0.08	86.1
0.85	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo	2	52615	86.26	87.11	0.85	0.001	0.05	35.7
		2		87.11	90.83	3.72			
4.79	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo	2	52616	90.83	91.90	1.07	0.05	0.06	1340
1.37	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo	2	52617	91.90	93.27	1.37	0.002	0.05	10.2
1.34	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo	2	52618	93.27	94.61	1.34	0.005	0.09	1325
0.34	30% qtz 0.1-15 cm, @40-50 deg to ca, 3% diss & frac fill py, pyo, trace arsenopyrite	6	52619	94.61	94.95	0.34	0.03	0.04	7350
1.07	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo	2	52620	94.95	96.01	1.07	0.002	0.06	184.5
1.52	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo	2	52621	96.01	97.54	1.52	0.001	0.05	5.4
1.52	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo	2	52622	97.54	99.06	1.52	0.003	0.05	20.9
1.52	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo	2	52623	99.06	100.58	1.52	0.002	0.06	29.5
1.52	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo	2	52624	100.58	102.11	1.52	0.005	0.05	30.9
1.52	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo	2	52625	102.11	103.63	1.52	0.008	0.05	28.4
1.40	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo	2	52626	103.63	105.03	1.40	0.001	0.09	39.4
1.40	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo	2	52627	105.03	106.44	1.40	0.001	0.05	7.3
0.55	60% glassy qtz 0.1-22 cm, @65-85 deg to ca, 3% diss & frac fill py, pyo, 4% chl clots, 3% sericite,	6	52628	106.44	106.98	0.55	0.002	0.08	11.1
1.04	65% glassy qtz 0.1-42 cm, @65-85 deg to ca, 3% diss & frac fill py, pyo, 4% chl clots, 3% sericite,	6	52629	106.98	108.02	1.04	0.003	0.09	4.5
1.52	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo	2	52630	108.02	109.55	1.52	0.001	0.09	2.3
1.52	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo	2	52631	109.55	111.07	1.52	0.001	0.1	2.7
1.71	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo	2	52632	111.07	112.78	1.71	0.001	0.1	5.9
1.52	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo	2	52633	112.78	114.30	1.52	0.001	0.11	2
1.52	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo	2	52634	114.30	115.82	1.52	0.001	0.06	1.6
1.52	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo	2	52635	115.82	117.35	1.52	0.002	0.05	1.5
1.52	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo, contorted foliation 388-407.5	2	52636	117.35	118.87	1.52	0.002	0.09	3.9
1.52	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo	2	52637	118.87	120.40	1.52	<0.05	0.11	1.2
1.52	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo	2	52638	120.40	121.92	1.52	0.001	0.08	1.4
1.52	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo	2	52639	121.92	123.44	1.52	0.001	0.06	1.2
1.52	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo	2	52640	123.44	124.97	1.52	<0.001	0.04	1.8
1.52	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo	2	52641	124.97	126.49	1.52	<0.001	0.04	1.2
1.43	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo	2	52642	126.49	127.92	1.43	0.001	0.06	1.5
0.46	20% qtz 0.1-5 cm, @55-75 deg to ca, 2% diss & frac fill py, pyo, 3% secondary brown biotite	6	52643	127.92	128.38	0.46	0.001	0.07	1.6
1.55	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo, 455-465 unit 1 schist (metapelite)	2	52644	128.38	129.94	1.55	<0.001	0.07	3.4
1.13	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo	2	52645	129.94	131.06	1.13	<0.001	0.05	7.1
1.62	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo, 465-491.8 unit 2 gneiss (metasandstone)	2	52646	131.06	132.68	1.62	<0.001	0.05	3.8
1.58	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo	2	52647	132.68	134.26	1.58	<0.001	0.05	4.4
0.64	8% qtz 0.1-5 cm, minor laminated qtz veining, @ 60-75 deg to ca, 1% diss & frac fill py, pyo	2	52648	134.26	134.90	0.64	0.002	0.11	166.5
4.85		2		134.90	139.75	4.85			
1.52	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo	1	52649	139.75	141.27	1.52	<0.001	0.12	1.3
1.52	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo	1	52650	141.27	142.80	1.52	<0.001	0.1	1.6
1.68	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo, 491.8-494.6 unit 1 schist (metapelite), 494.6-571.5 unit 2 gneiss	1	52651	142.80	144.48	1.68	<0.001	0.08	1.4
5.61		1		144.48	150.08	5.61			
0.67	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo	1	52652	150.08	150.75	0.67	<0.001	0.09	2.4
1.40	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo	2	52653	150.75	152.16	1.40	<0.001	0.07	0.9
0.24		2		152.16	152.40	0.24			
1.52		2		152.40	153.92	1.52			
1.52		2		153.92	155.45	1.52			
1.52		2		155.45	156.97	1.52			
1.52		2		156.97	158.50	1.52			
1.52		2		158.50	160.02	1.52			
1.52		2		160.02	161.54	1.52			
0.40		2		161.54	161.94	0.40			
1.43	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo	2	52654	161.94	163.37	1.43	<0.001	0.06	38.2
1.43	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo	2	52655	163.37	164.81	1.43	0.001	0.09	35.8
1.31		2		164.81	166.12	1.31			
1.52		2		166.12	167.64	1.52			
1.52		2		167.64	169.16	1.52			
1.52		2		169.16	170.69	1.52			
1.52		2		170.69	172.21	1.52			
0.91		2		172.21	173.13	0.91			
1.07	7% qtz 0.1-3 cm, @60-75 deg to ca, 2% diss & frac fill py, pyo, 568-575 contorted foliation	1	52656	173.13	174.19	1.07	0.001	0.08	4.4
1.22	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo	1	52657	174.19	175.41	1.22	<0.001	0.16	20
1.37	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo	1	52658	175.41	176.78	1.37	0.001	0.12	14.2
1.52	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo	1	52659	176.78	178.31	1.52	0.002	0.12	8.4
1.52	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo	1	52660	178.31	179.83	1.52	0.001	0.1	8.3
1.52	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo	1	52661	179.83	181.36	1.52	0.001	0.1	2.9
3.66	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo, broken ground 603.5-606.5	1	52662	181.36	185.01	3.66	0.004	0.09	4.5
0.43	12% qtz 0.1-4.5 cm, @60-75 deg to ca, 2% diss & frac fill py, pyo	1	52663	185.01	185.44	0.43	0.009	0.07	3.2
1.62	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo	1	52664	185.44	187.06	1.62	0.011	0.08	5.3
0.70	10% qtz 0.1-6 cm, @60-75 deg to ca, 2% diss & frac fill py, pyo	1	52665	187.06	187.76	0.70	0.003	0.08	19
0.91	5% qtz 0.1-4 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo	1	52666	187.76	188.67	0.91	0.013	0.12	17.5
1.58	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo	1	52667	188.67	190.26	1.58	0.004	0.1	3.7
1.62	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo	1	52668	190.26	191.87	1.62	0.005	0.06	6.3
1.77	3% qtz 0.1-2 cm, @30-75 deg to ca, 1% diss & frac fill py, pyo	1	52669	191.87	193.64	1.77	0.002	0.06	8.8
0.46	15% qtz 0.1-6 cm, @50-75 deg to ca, 2% diss & frac fill py, pyo	1	52670	193.64	194.10	0.46	<0.05	0.06	9.9
1.65	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo	1	52671	194.10	195.74	1.65	1.11	0.2	11.5
1.62	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo	1	52672	195.74	197.36	1.62	0.05	0.07	3.1
0.76		1		197.36	198.12	0.76			
1.52		1		198.12	199.64	1.52			
1.52		1		199.64	201.17	1.52			
1.52		1		201.17	202.69	1.52			
1.52		1		202.69	204.22	1.52			
1.52		1		204.22	205.74	1.52			
1.52		1		205.74	207.26	1.52			
1.52		1		207.26	208.79	1.52			
1.52		1		208.79	210.31	1.52			
1.52		1		210.31	211.84	1.52			
1.52		1		211.84	213.36	1.52			
1.52		1		213.36	214.88	1.52			
1.52		1		214.88	216.41	1.52			
1.52		1		216.41	217.93	1.52			
1.52		1		217.93	219.46	1.52			

VA11084160 - Finalized
CLIENT : "MILBAVE - Mill Bay Ventures"
# of SAMPLES : 199
DATE RECEIVED : 2011-05-13 DATE FINALIZED : 2011-06-03
PROJECT : "VALENTINE DISCOVERY ZONE"
CERTIFICATE COMMENTS : "ME-MS41:Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g). "
PO NUMBER : " "

	Au-TL44	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
SAMPLE	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg
DESCRIPTION	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%
52566	0.001	0.06	1.85	24.2	<0.2	<10	400	0.12	0.11	0.18	0.07	7.68	10.5	43	1.52	23.2	2.86	7.46	0.53	<0.02	<0.01	0.023	0.97	4	27.8	1.04
52567	0.001	0.05	2.12	32.2	<0.2	<10	440	0.15	0.13	0.17	0.07	11.45	11.5	51	2.09	21.8	3.41	9.2	0.38	<0.02	<0.01	0.029	1.13	5.6	32.6	1.2
52568	0.001	0.06	2.51	22.1	<0.2	<10	520	0.13	0.15	0.2	0.12	14.65	12.2	56	3.17	34.6	3.64	10.05	0.31	0.02	0.01	0.028	1.57	7	32.9	1.3
52569	0.001	0.03	0.39	4.6	<0.2	<10	60	<0.05	0.05	0.13	0.03	2.46	2.5	8	0.49	12.8	1.1	2.17	0.25	0.02	0.01	0.008	0.21	1.3	5.4	0.18
52570	0.001	0.06	1.25	5.6	<0.2	<10	180	0.06	0.06	0.27	0.07	6.67	6	4	1.69	27.2	2.29	6.59	0.29	0.04	0.01	0.019	0.73	3.4	17	0.56
52571	0.001	0.05	0.62	11.8	<0.2	<10	80	<0.05	0.08	0.17	0.09	3.89	4.1	7	0.9	23.3	1.28	3.11	0.26	0.04	0.01	0.017	0.34	2	7.5	0.28
52572	0.012	0.17	2.34	1480	<0.2	<10	300	0.15	0.43	0.25	0.09	10.9	16.1	66	3.32	64.2	4.43	10.75	0.26	0.02	0.01	0.039	1.46	5	37.9	1.41
52573	0.001	0.11	2.1	39.5	<0.2	<10	400	0.08	0.13	0.18	0.07	9.12	12.2	57	3.34	33.4	3.56	9.37	0.27	0.02	0.01	0.03	1.42	4.5	33	1.32
52574	0.001	0.06	2.19	5.9	<0.2	<10	470	0.07	0.14	0.3	0.05	7.68	11.1	54	2.46	23.2	3.41	8.76	0.22	0.02	<0.01	0.027	1.48	3.9	29.3	1.37
52575	0.001	0.07	2.1	2.8	<0.2	<10	420	0.08	0.14	0.71	0.06	6.97	11.3	54	2.16	25.9	3.32	8.61	0.2	<0.02	0.01	0.028	1.37	3.6	28.6	1.19
52576	0.001	0.1	1.99	11.5	<0.2	<10	320	0.1	0.14	1.11	0.1	3.8	11	45	1.75	22.3	2.95	7.36	0.19	<0.02	0.01	0.019	1.17	1.9	21.9	1.11
52577	0.001	0.05	2.13	8.2	<0.2	<10	440	0.1	0.1	0.76	0.06	4.99	11.3	51	1.82	20	3.1	8.38	0.22	0.02	0.01	0.026	1.4	2.6	29.4	1.24
52578	0.001	0.05	2.06	7	<0.2	<10	430	0.1	0.11	0.43	0.04	6.56	11.1	49	1.87	23.3	2.99	7.94	0.22	<0.02	0.02	0.022	1.2	3.4	31.3	1.15
52579	0.001	0.09	2.02	18.6	<0.2	<10	300	0.24	0.2	0.19	0.08	18.2	15.2	42	2.48	39.8	3.62	8.61	0.18	<0.02	0.01	0.027	0.99	8.6	37	1.14
52580	0.001	0.07	1.12	9.6	<0.2	<10	100	0.15	0.06	0.25	0.05	11.9	5.7	3	1.11	35.6	2.1	5.82	0.19	0.03	<0.01	0.013	0.39	5.9	19.1	0.52
52581	0.001	0.06	1.54	7.6	<0.2	<10	240	0.11	0.07	0.24	0.04	7.26	7.9	13	2.49	35	2.74	7.7	0.2	0.02	<0.01	0.021	0.88	3.8	24	0.78
52582	0.001	0.05	2.35	1.2	<0.2	<10	340	0.12	0.1	0.18	0.05	12.1	13.1	54	2.98	17.4	3.75	10.65	0.21	<0.02	0.01	0.033	1.37	5.9	42.5	1.44
52583	0.001	0.1	2.78	1.5	<0.2	<10	410	0.16	0.21	0.37	0.09	10.95	16	79	3.17	45.3	4.15	10.15	0.21	<0.02	0.01	0.039	1.43	5.2	46	1.43
52584	0.001	0.1	2.22	1.5	<0.2	<10	380	0.15	0.12	0.39	0.08	7.43	12.1	54	2.3	32.1	3.42	8.8	0.21	0.02	0.01	0.031	1.11	3.8	36.6	1.24
52585	0.001	0.14	2.04	0.7	<0.2	<10	290	0.12	0.18	0.23	0.08	10	12.7	58	2.39	38.3	3.66	9.15	0.19	<0.02	0.01	0.031	1.01	4.8	43	1.34
ST 27	0.001	0.01	2.72	0.2	<0.2	<10	10	0.11	0.04	1.69	0.04	8.66	18.6	186	<0.05	43	4.93	7.39	0.18	0.07	0.01	0.008	0.03	4.1	1.1	0.65
52586	0.001	0.1	2.66	7.3	<0.2	<10	190	0.15	0.22	0.24	0.08	13.05	18.7	95	2.58	63.6	4.27	9.16	0.18	<0.02	0.01	0.024	0.78	6.2	42.3	1.59
52587	<0.001	0.13	3.06	0.9	<0.2	<10	180	0.22	0.21	0.84	0.12	10.8	19.8	84	2.34	65.8	4.31	9.6	0.18	<0.02	0.02	0.024	0.73	5	32.8	1.56
52588	<0.001	0.1	2.72	5.2	<0.2	<10	160	0.19	0.15	0.21	0.05	20.6	16.1	64	1.84	43.6	4.51	8.28	0.14	<0.02	0.01	0.021	0.67	10.2	45.6	1.57
52589	0.001	0.1	3.06	1.4	<0.2	<10	380	0.17	0.23	0.29	0.06	16.25	18.3	98	3.79	58.4	4.61	10.25	0.17	<0.02	0.02	0.032	1.37	7.4	40.4	1.62
52590	0.001	0.1	2.55	1.6	<0.2	<10	270	0.16	0.22	0.19	0.04	16.2	14.9	64	3.49	43.1	4.14	8.74	0.16	<0.02	0.01	0.027	1.15	7.7	41.7	1.46
52591	0.001	0.06	2.42	2.6	<0.2	<10	300	0.18	0.14	0.22	0.05	14.6	12.9	52	3.25	32.9	3.91	8.98	0.15	<0.02	0.02	0.026	1.14	6.9	37.1	1.35
52592	<0.001	0.06	1.77	2.8	<0.2	<10	250	0.21	0.1	0.17	0.06	14.9	8.9	33	2.09	18.4	2.78	6.96	0.15	<0.02	0.01	0.02	0.84	7.2	25.6	0.95
52593	0.001	0.06	1.88	2	<0.2	<10	280	0.22	0.12	0.21	0.07	12.75	10.3	39	1.85	21.5	2.92	7.91	0.17	<0.02	0.01	0.024	0.96	6.1	28.5	1.01
52594	<0.001	0.05	2.07	2.6	<0.2	<10	270	0.17	0.15	0.23	0.06	10.5	11.5	41	1.92	26.2	3.19	8.15	0.16	<0.02	0.01	0.024	1.09	5	29.5	1.15
52595	0.001	0.1	2.08	1.1	<0.2	<10	240	0.21	0.17	0.52	0.09	11.2	12.7	43	1.97	32.2	3.29	8.67	0.16	<0.02	0.01	0.026	1.05	5.3	33.4	1.17
52596	<0.001	0.12	1.99	3.5	<0.2	<10	150	0.18	0.26	1.13	0.07	12	11.7	39	0.95	30.3	3.37	8.25	0.15	0.02	0.02	0.023	0.57	5.4	38	1.22
52597	<0.001	0.08	2.18	3	<0.2	<10	330	0.16	0.16	0.52	0.07	10.35	12.6	42	2.11	34.9	3.32	7.85	0.13	<0.02	<0.01	0.022	1.22	4.9	30.7	1.11
52598	<0.001	0.08	2.32	1.8	<0.2	<10	370	0.16	0.15	0.41	0.06	8.45	12.9	50	2.34	30.9	3.47	9.05	0.16	<0.02	<0.01	0.03	1.39	4.4	33.8	1.32
52599	0.001	0.05	2.23	1.7	<0.2	<10	420	0.11	0.07	0.55	0.05	6.6	11.5	44	2.22	28.6	3.24	8.6	0.17	<0.02	<0.01	0.023	1.47	3.4	32.6	1.24
52600	0.001	0.06	2.32	2.5	<0.2	<10	480	0.15	0.07	0.65	0.04	9.65	13.3	49	2.33	24.3	3.05	9.79	0.15	0.02	<0.01	0.03	1.36	4.7	33.9	1.21
52601	0.001	0.06	2.48	3.3	<0.2	<10	410	0.21	0.04	1.68	0.09	6.25	13.4	46	2.05	25.6	3.11	9.42	0.14	0.02	<0.01	0.025	1.35	3.1	32.1	1.29
52602	0.001	0.09	2.72	1.5	<0.2	<10	500	0.16	0.08	0.83	0.08	9.15	15.4	60	2.85	39.9	3.56	10.8	0.18	0.02	<0.01	0.036	1.59	4.4	34.6	1.37
52603	0.001	0.06	2.01	5.1	<0.2	<10	370	0.11	0.07	0.55	0.04	9.24	11.9	39	2.06	18.8	2.8	8.4	0.13	0.02	<0.01	0.023	1.25	4.7	29.6	1.07
52604	0.003	0.07	2.19	4.2	<0.2	<10	420	0.14	0.08	0.5	0.06	9	14.1	46	2.21	23.1	3.09	9.33	0.15	0.02	<0.01	0.023	1.36	4.4	33.2	1.19
52605	0.002	0.07	2.39	3.4	<0.2	<10	440	0.09	0.05	0.7	0.05	7.24	15.8	55	2.32	24.2	3.28	10.3	0.17	0.02	<0.01	0.032	1.41	3.5	34.2	1.36
ST 28	0.001	0.03	2.91	0.2	<0.2	<10	10	0.05	0.01	1.74	0.03	3.56	15.3	63	<0.05	85.4	3.64	6.34	0.13	0.1	<0.01	0.008	0.02	1.4	0.5	0.66
52606	0.001	0.07	2.61	2.2	<0.2	<10	480	0.14	0.1	0.58	0.07	7.91	15.6	57	2.72	24.9	3.46	10.3	0.17	0.02	<0.01	0.031	1.58	3.8	36.3	1.32
52607	0.001	0.07	2.39	1.2	<0.2	<10	450	0.11	0.06	0.59	0.04	8.97	16.1	45	2.77	36	3.33	9.69	0.16	0.02	<0.01	0.023	1.62	4.4	33.8	1.27
52608	<0.001	0.05	2.3	9.5	<0.2	<10	390	0.11	0.04	0.88	0.06	9.24	12.4	43	2.37	18.8	2.94	9.22	0.14	0.02	0.01	0.022	1.45	4.6	29	1.11
52609	0.001	0.07	2.25	4.1	<0.2	<10	470	0.08	0.07	0.66	0.06	8.73	14.1	47	2.31	27.3	3.16	9.72	0.16	0.02	<0.01	0.031	1.42	4.3	31.4	1.27
52610	0.002	0.06	2.73	5.7	<0.2	<10	560	0.11	0.04	0.71	0.05	6.43	16.3	55	2.44	32.9	3.58	11.15	0.19	0.02	<0.01	0.031	1.66	3.1	34.7	1.48
52611	0.001	0.07	2.65	8.4	<0.2	<10	470	0.16	0.07	0.85	0.07	8.29	16.3	56	2.38	26.7	3.38	10.3	0.17	0.02	<0.01	0.032	1.47	4.1	34.7	1.29
52612	0.002	0.05	2.87	7.8	<0.2	<10	560	0.15	0.04	0.67	0.04	8.95	16.4	65	2.53	16.7	3.66	11.85	0.19	0.02	<0.01	0.037	1.71	4.4	41.8	1.54
52613	0.002	0.09	2.43	4.8	<0.2	<10	480	0.13	0.11	1.04	0.07	7.3	14.4	54	2.13	26.2	3.24	9.63	0.16	0.02	<0.01	0.032	1.4	3.6	31	1.24
52614	0.005	0.08	2.34	86.1	<0.2	<10	400	0.14	0.08	0.82	0.05	10.9	13.7	48	2.01	24.4	3.17	9.87	0.16	0.02	<0.01	0.028	1.31	5.5	32.3	1.19
52615	0.001	0.05	1.8	35.7	<0.2	<10	290	0.09	0.05	2.31	0.1	8.77	10.1	35	1.99	14.7	2.42	7.25	0.12	0.02	<0.01	0.019	1.07	4.3	23.6	0.89
52616	0.05	0.06	1.87	1340	<0.2	<10	260	0.14	0.07	1.74	0.11	10.6	11.1	37	1.89	23.8	2.59	7.85	0.11	0.03	<0.01	0.025	1.04	5.3	19.8	0.96
52617	0.002	0.05	2.18	10.2	<0.2	<10	370	0.13	0.07	1.02	0.05	9.85	11.6	43	1.87	16.7	2.76	8.72	0.13	0.03	<0.01	0.026	1.24	4.9	23.5	1.07
52618	0.005	0.09	2.41	1325	<0.2	<10	410	0.13	0.07	1.42	0.12	10.4	14.9	50	3.01	25	3.15	9.84	0.15	0.02	<0.01	0.033	1.49	5.1	26.2	1.22
52619	0.03	0.04	1.71	7350	<0.2	<10	380	0.12	0.14	1.98	0.18	6.24	11.8	39	2.23	7	2.58	7.41	0.12	<0.02	0.01	0.034	1	3.1	19.9	0.94
52620	0.002	0.06	2.72	184.5	<0.2	<10	590	0.12	0.06	1.44	0.07	6.98	15.4	60	2.1	23	3.39	10.85	0.17	0.02	<0.01	0.035	1.57	3.5	29.9	1.42
52621	0.001	0.05	2.53	5.4	<0.2	<10	520	0.11	0.06	1.19	0.06	7.08	14.8	59	2.03	22.7	3.24	10.2	0.17	0.02	<0.01	0.033	1.4	3.5	27.9	1.36
52622	0.003	0.05	2.23	20.9	<0.2	<10	440	0.07	0.05	1.03	0.05	6.53	14.4	59	1.85	21.8	3.08	9.41	0.17	0.02	<0.01	0.03	1.3	3.2	25.9	1.31
52623	0.002	0.06	2.36	29.5	<0.2	<10	500	0.11	0.05	1	0.04	7.01	15.1	62	2.05	22.3	3.18	9.9	0.17	0.02	<0.01	0.03	1.37	3.4	31.6	1.33
52624	0.005	0.05	2.26	30.9	<0.2	<10	490	0.09	0.04	0.89	0.04	6.42	14.8	60	1.83	22.4	3.08	9.52	0.19	0.02	<0.01	0.026	1.32	3.1	32.8	1.3
52625	0.008	0.05	2.08	28.4	<0.2	<10	480	0.07	0.04	0.88	0.03	6.93	15.4	57	1.74	21	2.94	8.8	0.18	0.02	<0.01	0.024	1.24	3.5	30.9	1.2
ST 29	0.054	0.21	7.68	<0.1	<0.2	<10	10	<0.05	0.02	2.5	0.05	1.44	62.5	55	<0.05	1520	4.25	9.76	0.19	<0.02	<0.01	0.014	0.03	0.7	2.3	4.79
52626	0.001	0.09	2.32	39.4	<0.2	<10	390	0.17	0.12	0.76	0.06	8.62	14.2	46	3.02	31.4	3.23	9.15	0.14	0.02	0.01	0.027	1.34	4.3	30.6	1.16
52627	0.001	0.05	2.27	7.3	<0.2	<10	490	0.08	0.06	0.77	0.05	7.69	14	53	2.16	18.7	3.16	9.69	0.17	0.02	<0.01	0.031	1.41	3.8	29.7	1.25
52628	0.002	0.08	2.25	11.1	<0.2	<10	360	0.14	0.04	1.91	0.13	9.88	12.1	46	2.45	39.9	3.04	10.3	0.15	0.02	<0.01	0.022	1.19	4.8	26.8	1.23
52629	0.003	0.09	1.46	4.5	<0.2	<10	190	0.12	0.03	2.89	0.22	6.21	7.8	28	1.47	42.9	2.05	6.26	0.09	0.02	<0.01	0.02	0.66	3	16.1	0.74
52630	0.001	0.09	2.73	2.3	<0.2	<10	490	0.11	0.09	0.39	0.04	10.7	15.6	55	3.92	37.5	3.78	10.8	0.15	0.02	<0.01	0.03	1.79	5.1	35.3	1.42
52631	0.001	0.1	2.65	2.7	<0.2	<10	470	0.12	0.13	0.62	0.05	10.4	16.1	58	3.21	32.4	3.55	11	0.18	0.02	<0.01	0.032	1.58	5	36.9	1.32
52632	0.001	0.1	2.57	5.9	<0.2	<10	470	0.12	0.14	0.29	0.05	15.95	16.3	67	2.94	35.6	3.57	11.15	0.19	0.02	<0.01	0.043	1.5	7.5	43.4	1.4
52633	0.001	0.11	2.4	2	<0.2	<10	360	0.12	0.14	0.25	0.06	13.45	15.4	54	2.88	37.8	3.62	9.5	0.15	0.02	<0.01	0.03	1.43	6.3	37.7	1.32
52634	0.001	0.06	1.86	1.6	<0.2	<10	360	0.09	0.11	0.33	0.05	9.93	10.3	37	1.76	19.9	2.73	7.36	0.09	<0.02	<0.01	0.018	1.09	4.9	24.6	0.99
52635	0.002	0.05	1.74	1.5	<0.2	<10	330	0.08	0.1	0.28	0.04	8.43	12.5	46	1.6	27.5	2.76	7.27	0.09	<0.02	0.01	0.021	1	4.2	25.5	1.12
52636	0.002	0.09	1.87	3.9	<0.2	<10	290	0.12	0.22	0.34	0.06	10.15	13.6	43	2.04	41.6	3.12	7.12	0.07	<0.02	<0.01	0.02	1.04	4.9	28.4	1.1
52637	<0.001	0.11	2.24	1.2	<0.2	<10	250	0.16	0.29	0.56	0.09	12.15	13.8	48	2.85	48.3	4.01	6.96	0.08	<0.02	0.01	0.018	1.32	5.4	31.4	1.2
52638	0.001	0.08	2.54	1.4	<0.2	<10	320	0.16	0.18	0.52	0.05	13.85	13.6	48	3.47	45.7	3.68	7.96	0.1	<0.02	0.01	0.02	1.38	6.4	31.8	1.14
52639	0.001	0.06	2.06	1.2	<0.2	<10	370	0.09	0.15	0.3	0.04	15.55	12.5	45	3.02	31.8	3.1	8.29	0.1	<0.02	0.01	0.026	1.22	7.1	31.5	1.12
52640	<0.001	0.04	1.79	1.8	<0.2	<10	480	0.09	0.08	0.38	0.03	8.54	9.7	43	1.98	16.7	2.7	7.64	0.12	<0.02	0.01	0.025	1.09	4.4	25.1	1.08
52641	<0.001	0.04	1.85	1.2	<0.2	<10	400	0.09	0.07	0.42	0.04	7.36	10.5	39	1.89	18.2	2.75	7.57	0.09	<0.02	0.01	0.023	1.12	3.7	24.3	1.05
52642	0.001	0.06	2.21	1.5	<0.2	<10	410	0.15	0.11	0.51	0.05	12.3	12.1	43	2.41	25.7	3.09	8.27	0.09	<0.02	0.01	0.024	1.27	5.5	28.4	1.11
52643	0.001	0.07	2.33	1.6	<0.2	<10	350	0.17	0.11	0.69	0.06	8.81	12.7	44	2.47	33.1	3.35	7.57	0.08	<0.02	0.01	0.019	1.28	4.3	26.6	1.1
52644	<0.001	0.07	1.91	3.4	<0.2	<10	370	0.11	0.09	0.49	0.04	8	11.6	45	1.53	24.6	2.85	7.27	0.08	<0.02	0.01	0.024	0.99	4	27	1.1
52645	<0.001	0.05	2.28	7.1	<0.2	<10	420	0.15	0.08	0.71	0.06	8.14	12.6	49	1.56	25	3.06	8.67	0.1	<0.02	0.02	0.025	1.16	4.1	33.9	1.17
ST 30	0.002	0.05	3.8	0.3	<0.2	<10	10	0.11	0.01	2.25	0.07	6.25	23.7	20	<0.05	198.5	4.48	8.47	0.12	0.23	0.01	0.01	0.02	2.3	1	0.97
52646	<0.001	0.05	2.17	3.8	<0.2	<10	420	0.1	0.08	0.57	0.07	7.48	12.8	45	2.17	25.5	3.09	8.94	0.09	<0.02	0.01	0.024	1.28	3.9	28.9	1.22
52647	<0.001	0.05	1.89	4.4	<0.2	<10	380	0.09	0.08	0.7	0.05	6.13	11.2	43	1.92	24.1	2.81	7.46	0.1	<0.02	0.01	0.02	1.12	3.2	22.2	1.11
52648	0.002	0.11	2.14	166.5	<0.2	<10	310	0.2	0.12	1.02	0.09	9.14	11	41	2.14	25.7	3.09	7.89	0.07	0.02	0.01	0.021	1.15	4.6	21.4	1.01
52649	<0.001	0.12	2.91	1.3	<0.2	<10	340	0.15	0.26	0.28	0.05	15.95	17.6	60	2.93	60.6	4.52	8.28	0.08	<0.02	0.01	0.034	1.61	7.5	32.5	1.5
52650	<0.001	0.1	2.32	1.6	<0.2	<10	320	0.09	0.2	0.4	0.04	12.15	14.3	54	1.92	42.2	3.65	7.72	0.08	<0.02	0.01	0.029	1.13	5.5	26.4	1.31
52651	<0.001	0.08	2.19	1.4	<0.2	<10	370	0.18	0.11	0.78	0.06	9.71	12	44	1.95	25.1	2.99	8.24	0.07	<0.02	0.01	0.026	1.13	4.7	25.7	1.08
52652	<0.001	0.09	2.04	2.4	<0.2	<10	260	0.26	0.18	0.92	0.14	7.89	12.3	37	1.7	39.7	3.26	6.43	0.06	<0.02	0.01	0.017	0.93	3.8	20.3	0.99
52653	<0.001	0.07	2.31	0.9	<0.2	<10	400	0.14	0.11	0.62	0.08	8.31	12.5	42	2.14	26.9	3.03	8.51	0.07	<0.02	<0.01	0.024	1.24	4.1	23.6	1.09
52654	<0.001	0.06	1.87	38.2	<0.2	<10	180	0.24	0.09	1.3	0.1	13.1	12.2	35	1.14	26.7	2.92	6.82	0.07	<0.02	<0.01	0.017	0.6	6.4	27.1	1.01
52655	0.001	0.09	2.37	35.8	<0.2	<10	290	0.27	0.1	0.97	0.08	12.1	12.4	43	1.73	25.9	3.16	8.7	0.08	<0.02	0.01	0.022	0.93	5.9	27.2	1.19
52656	0.001	0.08	2.12	4.4	<0.2	<10	310	0.16	0.08	0.61	0.06	11.7	12.1	44	2.01	22.8	3.01	8.45	0.07	<0.02	<0.01	0.026	0.91	5.5	30.6	1.18
52657	<0.001	0.16	3.55	20	<0.2	<10	370	0.28	0.24	0.87	0.08	16.2	23.3	103	3.29	52.5	4.55	10.55	0.08	<0.02	<0.01	0.04	1.36	7.1	49.7	1.87
52658	0.001	0.12	2.66	14.2	<0.2	<10	240	0.23	0.25	0.56	0.04	17.05	18.7	76	2.47	47.9	4.08	7.23	0.07	<0.02	0.01	0.03	1	7.7	41.9	1.49
52659	0.002	0.12	2.83	8.4	<0.2	<10	330	0.17	0.21	0.71	0.05	15.7	19.3	90	3.07	45.7	4.22	7.95	0.08	<0.02	0.01	0.03	1.23	7.4	28.2	1.56
52660	0.001	0.1	2.73	8.3	<0.2	<10	270	0.2	0.22	0.29	0.03	17.7	18.2	75	2.58	53	4.15	7.84	0.09	<0.02	0.01	0.029	1.01	8	25	1.52
52661	0.001	0.1	2.56	2.9	<0.2	<10	310	0.2	0.21	0.32	0.04	17.6	15.9	74	2.99	46.3	3.91	7.79	0.08	<0.02	0.01	0.027	1.14	7.9	22.4	1.4
52662	0.004	0.09	1.9	4.5	<0.2	<10	210	0.27	0.1	1.08	0.08	12.8	11.1	30	1.85	25.5	2.87	6.39	0.07	<0.02	0.01	0.013	0.73	6.2	24.2	0.9
52663	0.009	0.07	2.09	3.2	<0.2	<10	340	0.19	0.07	1.11	0.09	8.87	9.5	36	2.44	19.6	2.67	7.23	0.08	<0.02	0.01	0.018	0.99	4.5	20.8	0.9
52664	0.011	0.08	1.85	5.3	<0.2	<10	250	0.2	0.09	0.86	0.08	10.55	10.7	36	1.92	24.1	2.96	7.01	0.06	<0.02	0.01	0.019	0.79	4.8	26.2	0.95
52665	0.003	0.08	1.46	19	<0.2	<10	140	0.18	0.09	1.26	0.08	9.68	9.2	30	1.48	22.5	2.4	5.75	0.06	<0.02	0.01	0.017	0.54	4.9	22.5	0.78
ST 31	0.005	0.04	1.7	0.7	<0.2	<10	10	0.06	0.01	1.39	0.02	6.16	15.3	121	<0.05	101	5.56	4.51	0.09	0.1	<0.01	0.01	0.02	2.7	0.7	0.52
52666	0.013	0.12	2.3	17.5	<0.2	<10	280	0.18	0.11	0.82	0.08	11.3	13.5	52	3.35	35.6	3.38	8.06	0.08	<0.02	<0.01	0.023	1.36	5.3	33	1.21
52667	0.004	0.1	2.52	3.7	<0.2	<10	330	0.16	0.16	0.34	0.05	16.25	15.1	61	2.46	41.4	3.86	9.35	0.09	<0.02	0.01	0.027	1.16	7.3	36.7	1.4
52668	0.005	0.06	2.37	6.3	<0.2	<10	400	0.1	0.09	0.46	0.04	11.35	16.8	65	2.14	38.3	3.29	10	0.14	0.02	<0.01	0.033	1.24	5.3	37.9	1.39
52669	0.002	0.06	2.44	8.8	<0.2	<10	470	0.11	0.09	0.54	0.05	10.25	13.6	53	1.96	28.2	3.19	9.55	0.14	<0.02	0.01	0.028	1.26	4.9	33.8	1.25
52670	0.008	0.06	2.42	9.9	<0.2	<10	410	0.09	0.08	0.68	0.04	8.37	13.5	57	2.04	24.5	3.32	9.24	0.12	0.04	<0.01	0.028	1.36	3.9	36.1	1.33
52671	0.727	0.2	2.19	11.5	0.3	<10	280	0.15	0.14	1.15	0.08	8.1	14.2	46	1.88	31.8	3.14	7.65	0.11	0.02	<0.01	0.022	1.07	3.9	27.3	1.12
52672	0.022	0.07	3.11	3.1	<0.2	<10	270	0.12	0.07	1.28	0.04	5.76	31	48	2.49	69.1	5.06	10.5	0.15	0.02	0.01	0.037	1.59	3.1	46.3	1.14

	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
SAMPLE	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr
DESCRIPTION	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
52566	339	0.43	0.07	0.24	21.1	540	3.2	34.6	<0.001	0.14	2.28	7.8	0.3	1.2	20.2	<0.01	0.01	2	0.178	0.18	0.25	79	0.18	4.69	60	<0.5
52567	422	0.58	0.07	0.21	24.3	620	2.5	43.2	0.001	0.13	2.63	10.1	0.6	1.3	17.9	<0.01	0.02	2.9	0.212	0.21	0.42	97	0.23	5.56	70	<0.5
52568	451	0.73	0.08	0.19	25.2	600	2.2	59.5	<0.001	0.16	2.22	10	0.6	1.4	14.3	<0.01	0.01	3.2	0.273	0.34	0.56	104	0.2	6.36	85	<0.5
52569	138	0.11	0.04	0.26	1	300	0.6	9.1	<0.001	0.19	1.67	2.1	0.3	0.7	6.6	<0.01	<0.01	0.4	0.069	0.06	0.1	10	0.26	1.34	16	<0.5
52570	329	0.21	0.1	0.29	1.2	710	1.3	33.1	<0.001	0.23	1.12	5	0.2	0.9	16.3	<0.01	0.01	1	0.21	0.2	0.23	31	0.29	3.03	53	0.7
52571	146	0.24	0.07	0.31	1.1	400	0.9	14.3	<0.001	0.26	0.82	2.8	0.4	1	12.4	<0.01	0.02	0.5	0.107	0.09	0.16	15	0.25	1.98	27	0.5
52572	554	1.23	0.07	0.18	35.4	780	3.7	57.6	0.002	0.89	0.95	12.7	0.9	1.1	13.4	<0.01	0.21	2.6	0.25	0.35	0.59	127	0.22	6.32	101	<0.5
52573	459	0.62	0.07	0.2	29.1	490	2.5	55.4	0.002	0.47	0.45	10.5	0.5	1.2	14.7	<0.01	0.01	2.5	0.227	0.3	0.55	109	0.16	5.03	88	<0.5
52574	415	0.74	0.09	0.23	23.5	570	1.4	46.2	0.002	0.29	0.32	9.5	0.5	1.2	24	<0.01	<0.01	2.6	0.249	0.29	0.4	103	0.26	4.07	76	<0.5
52575	497	0.64	0.1	0.27	23.9	590	2.3	45.9	<0.001	0.38	0.28	9.7	0.3	1.1	29.6	<0.01	0.03	2.2	0.251	0.26	0.31	100	0.26	4.63	70	<0.5
52576	492	0.64	0.11	0.2	21.9	530	2.3	40.6	0.001	0.59	0.23	7	0.4	0.9	38.7	<0.01	0.02	0.9	0.196	0.22	0.21	83	0.21	3.89	66	<0.5
52577	505	0.59	0.1	0.26	21.9	590	1.3	46.5	<0.001	0.24	0.21	9.3	0.2	1.1	18.9	<0.01	0.01	1.5	0.244	0.23	0.23	93	0.24	4.51	67	<0.5
52578	386	0.49	0.11	0.27	22.7	570	1.3	42.1	0.001	0.23	0.22	8.3	0.2	1	28	<0.01	0.01	2.1	0.208	0.24	0.29	87	0.18	4.13	65	<0.5
52579	527	0.89	0.06	0.18	30.2	660	3	40.9	0.003	0.43	0.23	7.6	0.7	0.9	10.5	<0.01	0.04	3.1	0.169	0.22	0.54	83	0.19	5.82	86	<0.5
52580	257	1.29	0.09	0.25	1.7	730	3.1	19.7	0.001	0.23	0.2	3.5	0.4	0.8	19.9	<0.01	<0.01	1.5	0.106	0.11	0.31	25	0.53	3.6	43	0.5
52581	374	5.5	0.09	0.25	5.6	690	1.6	40.3	<0.001	0.27	0.17	5.7	0.4	1.2	15.8	<0.01	0.01	1	0.198	0.23	0.27	47	0.25	3.72	56	<0.5
52582	513	0.83	0.06	0.19	25.3	650	1.8	47.3	0.002	0.14	0.14	10.4	0.2	1.2	8.8	<0.01	0.02	2.2	0.235	0.25	0.33	107	0.2	4.83	86	<0.5
52583	459	1.1	0.09	0.25	44.2	820	2.3	55.2	0.002	0.42	0.13	12.3	0.7	1.4	24.3	<0.01	0.04	2.9	0.201	0.32	0.34	127	0.26	4.66	102	<0.5
52584	525	1.67	0.09	0.27	24.4	610	1.8	44.4	0.005	0.51	0.14	9.4	0.7	1.5	38.9	<0.01	0.03	1.5	0.155	0.25	0.49	100	0.27	3.85	73	<0.5
52585	483	2.67	0.07	0.26	30	620	2.3	43.3	0.005	0.64	0.11	10.1	0.7	1.1	12.7	<0.01	0.03	2.4	0.15	0.24	0.51	108	0.38	4.53	82	<0.5
ST 27	177	0.18	0.48	0.15	56.8	850	<0.2	0.5	0.001	0.09	0.08	2.8	0.6	0.7	42.8	<0.01	0.01	0.4	0.141	<0.02	0.13	247	<0.05	4.99	19	1.1
52586	558	0.99	0.06	0.26	67.6	870	3.3	44.2	0.001	0.28	0.14	10.7	0.8	0.9	11.6	<0.01	0.05	3.1	0.133	0.29	0.37	111	0.15	4.88	112	<0.5
52587	562	1.01	0.07	0.33	71.8	1120	3.1	37.4	0.001	0.3	0.1	10.1	0.7	0.8	33.5	<0.01	0.06	2.9	0.126	0.27	0.38	108	0.16	4.45	113	<0.5
52588	572	0.74	0.05	0.21	47.7	830	3	30.8	0.001	0.16	0.18	7.1	0.4	0.7	6.8	<0.01	0.01	4.6	0.105	0.21	0.52	92	0.12	4.58	85	<0.5
52589	525	0.82	0.08	0.29	65.8	750	2.8	65.2	0.001	0.25	0.09	12.1	0.7	1.1	15.8	<0.01	0.04	4	0.197	0.43	0.46	136	0.59	4.19	81	<0.5
52590	498	0.68	0.05	0.27	42.5	750	3	59.6	0.001	0.2	0.08	8.1	0.4	1	5.6	<0.01	0.05	3.5	0.16	0.33	0.41	103	0.14	4.07	48	<0.5
52591	492	0.79	0.07	0.21	31.3	740	2.6	52.9	0.001	0.27	0.1	7.6	0.5	0.9	10.9	<0.01	0.02	3.3	0.164	0.31	0.41	93	0.19	4.76	68	<0.5
52592	354	0.44	0.06	0.18	16.8	510	4	30.6	0.001	0.12	0.15	5.4	0.3	0.8	11.1	<0.01	0.01	3.1	0.144	0.19	0.6	59	0.2	5.74	67	<0.5
52593	426	0.75	0.08	0.27	20.9	520	2.9	36.5	0.001	0.28	0.11	7.1	0.5	1	18.5	<0.01	0.02	2.5	0.162	0.2	0.5	71	0.28	4.99	67	<0.5
52594	507	1.36	0.09	0.28	24.3	560	2.5	40.7	0.002	0.33	0.1	7.1	0.6	1	14.5	<0.01	0.02	2.7	0.17	0.24	0.51	78	0.4	4.27	75	<0.5
52595	429	0.87	0.08	0.35	27.4	520	2.7	42.3	0.002	0.55	0.11	7.7	0.7	1.1	24.3	<0.01	0.04	2.9	0.16	0.24	0.46	81	0.27	4.28	77	<0.5
52596	480	1.2	0.06	0.25	25.5	920	11.9	23.1	0.001	0.33	0.09	6.5	0.7	0.8	23.3	<0.01	0.04	3.5	0.12	0.12	0.57	79	0.24	6.71	76	<0.5
52597	441	1.52	0.08	0.3	26.3	590	2.7	48.3	0.001	0.44	0.08	6.7	0.4	0.9	22.9	<0.01	0.02	2.9	0.195	0.3	0.51	78	0.3	4.57	78	<0.5
52598	496	1.29	0.1	0.32	27.4	650	2.1	53.3	0.002	0.44	0.1	8.7	0.3	1.1	17.7	<0.01	0.03	2.5	0.223	0.3	0.33	96	0.25	4.58	84	<0.5
52599	479	0.62	0.08	0.29	22.4	630	1.6	52.9	0.002	0.27	0.07	7.9	0.7	1.1	16	<0.01	0.01	1.7	0.259	0.29	0.31	84	0.25	4.85	76	<0.5
52600	472	0.71	0.14	0.34	22.8	610	2.4	56.3	0.001	0.25	<0.05	10.1	0.4	0.9	22.2	<0.01	0.01	1.9	0.24	0.3	0.3	93	0.32	5.04	70	<0.5
52601	606	0.74	0.14	0.34	21.5	710	3.2	51.7	0.001	0.33	<0.05	8.6	0.5	0.7	53.7	0.01	0.02	1.3	0.224	0.29	0.22	91	0.27	5.31	65	<0.5
52602	521	0.75	0.16	0.33	31.2	700	2.5	66.8	0.001	0.42	<0.05	10.8	0.7	0.8	42	<0.01	0.03	2.2	0.262	0.38	0.33	114	0.34	5.8	87	<0.5
52603	440	0.64	0.13	0.34	18.7	570	2.4	53.3	0.001	0.34	<0.05	7.6	0.5	0.8	22.3	<0.01	0.01	2.3	0.216	0.29	0.44	73	0.29	5.72	62	<0.5
52604	465	0.82	0.12	0.34	22.7	630	2.5	56.1	0.001	0.31	<0.05	8.8	0.5	0.7	17.8	<0.01	0.01	1.9	0.232	0.31	0.33	85	0.28	5.83	70	<0.5
52605	444	0.47	0.12	0.31	24.5	630	1.9	52.4	0.001	0.25	<0.05	10.9	0.5	0.8	41.4	<0.01	0.02	1.4	0.224	0.29	0.2	107	0.28	4.94	75	<0.5
ST 28	224	0.25	0.42	0.11	25.3	210	0.2	0.5	0.001	0.03	<0.05	2.7	0.4	0.2	38.2	<0.01	0.01	<0.2	0.153	<0.02	<0.05	177	<0.05	4.81	18	2.4
52606	523	0.8	0.14	0.28	27.1	640	1.7	62.4	0.001	0.28	0.05	11.1	0.6	0.8	44.5	<0.01	0.02	1.7	0.267	0.34	0.25	107	0.38	5.19	78	<0.5
52607	505	1.01	0.09	0.28	25.3	740	2.5	69	0.001	0.24	<0.05	8.5	0.6	0.7	24.6	<0.01	0.02	2	0.266	0.37	0.35	89	0.32	6.01	74	<0.5
52608	508	0.56	0.15	0.34	19.9	590	2.2	60.3	0.001	0.15	<0.05	8	0.5	0.8	30.2	<0.01	0.01	1.9	0.251	0.34	0.3	82	0.29	5.92	66	<0.5
52609	472	0.78	0.12	0.26	23.2	670	2.6	55.1	0.001	0.29	<0.05	9.8	0.5	0.8	18.7	<0.01	0.02	1.8	0.244	0.31	0.31	98	0.27	5.53	70	<0.5
52610	502	0.6	0.14	0.29	25.8	760	1.7	60.5	0.001	0.21	<0.05	11.3	0.5	0.8	23.4	<0.01	0.01	1.3	0.264	0.33	0.19	116	0.23	5.03	80	<0.5
52611	504	0.76	0.14	0.31	26.5	630	2.2	59.1	0.001	0.27	<0.05	10.7	0.5	0.8	41.8	<0.01	0.02	1.9	0.254	0.33	0.26	102	0.27	5.47	76	<0.5
52612	489	0.64	0.12	0.31	26.2	680	2.4	64.4	0.001	0.11	<0.05	12.2	0.5	1	27.2	<0.01	0.01	1.9	0.28	0.34	0.26	116	0.35	5.81	84	<0.5
52613	470	0.68	0.14	0.27	24.8	620	2.1	53.6	0.001	0.37	<0.05	10.5	0.5	0.8	53.4	<0.01	0.02	1.4	0.242	0.31	0.23	103	0.34	5.16	75	<0.5
52614	491	0.7	0.13	0.39	22	620	2.6	51.6	0.001	0.24	0.06	8.9	0.5	0.8	23.6	0.01	0.02	2.6	0.24	0.3	0.44	88	0.41	6.42	70	<0.5
52615	538	0.44	0.1	0.31	15.9	490	2.9	45.6	0.001	0.08	<0.05	6.6	0.5	0.6	101	<0.01	0.01	1.9	0.189	0.25	0.33	63	0.49	7.75	53	<0.5
52616	501	0.43	0.07	0.26	16.8	510	2.3	45	0.001	0.15	0.66	7	0.7	0.7	35.5	<0.01	0.02	2.6	0.19	0.25	0.47	67	0.46	6.9	54	<0.5
52617	467	0.49	0.13	0.32	18.1	550	1.8	47.4	<0.001	0.09	0.06	8.3	0.4	0.8	19	<0.01	0.01	2.2	0.225	0.26	0.37	79	0.25	5.94	58	<0.5
52618	582	0.55	0.12	0.24	23.5	630	2	59.5	0.001	0.21	0.44	10	0.7	0.8	32.8	<0.01	0.02	2.3	0.259	0.34	0.37	96	0.58	6.49	68	<0.5
52619	534	0.57	0.06	0.19	18.4	330	1.4	38.6	0.001	0.41	2.85	7.2	2	0.7	24.9	<0.01	0.3	1.4	0.166	0.22	0.2	70	0.7	4.49	42	<0.5
52620	556	0.81	0.13	0.34	24.2	860	1.7	52.4	<0.001	0.12	0.1	11.5	0.4	0.9	43.8	0.01	0.01	1.6	0.26	0.28	0.22	113	0.34	6.14	70	<0.5
52621	493	0.48	0.13	0.34	23.5	660	1.6	47.2	<0.001	0.11	0.07	10.8	0.4	0.9	84.4	<0.01	0.01	1.8	0.238	0.26	0.24	109	0.26	5.65	66	<0.5
52622	452	0.48	0.13	0.23	22.8	640	1.3	42.8	<0.001	0.07	0.06	9.7	0.4	0.8	28.7	<0.01	0.01	1.5	0.226	0.22	0.18	105	0.93	5.05	63	<0.5
52623	458	0.46	0.12	0.26	23.5	640	1.8	47.7	0.001	0.08	0.07	10.5	0.4	0.8	35.5	<0.01	<0.01	1.9	0.244	0.25	0.2	110	0.39	5.28	64	<0.5
52624	421	0.44	0.12	0.25	23.9	650	1.6	46.5	0.001	0.07	0.06	9.9	0.4	0.7	35.5	<0.01	0.01	2.4	0.233	0.25	0.32	106	0.29	4.91	62	<0.5
52625	402	0.48	0.1	0.24	22.9	660	1.5	43.7	<0.001	0.09	0.05	8.3	0.4	0.6	32.6	<0.01	0.01	2	0.223	0.23	0.23	99	0.29	4.73	60	<0.5
ST 29	660	0.31	0.35	0.09	520	170	0.2	0.9	0.002	0.2	<0.05	1.6	1.1	<0.2	45.3	<0.01	0.22	<0.2	0.038	<0.02	<0.05	30	<0.05	1.74	67	0.5
52626	484	0.75	0.09	0.28	23.9	650	3.1	56	0.001	0.28	0.05	9.1	0.5	0.7	23.7	<0.01	0.02	2	0.25	0.33	0.28	92	0.47	5.63	69	<0.5
52627	473	0.49	0.13	0.31	22.1	670	1.5	50.3	<0.001	0.13	<0.05	10.5	0.4	0.8	18.8	<0.01	0.01	1.9	0.252	0.27	0.25	103	0.25	5.3	67	<0.5
52628	674	0.92	0.13	0.32	18.9	600	2.4	47.1	0.001	0.28	0.06	8.6	0.6	0.7	57.1	0.01	0.03	2	0.191	0.29	0.33	85	0.27	6.13	69	<0.5
52629	728	0.67	0.12	0.31	9.8	530	1.6	29.6	0.001	0.36	0.05	5.1	0.5	0.6	83.9	0.01	0.04	1.2	0.105	0.16	0.19	49	0.25	7.02	40	<0.5
52630	485	0.76	0.1	0.34	31.1	690	1.8	75.9	0.001	0.26	0.05	9.8	0.5	0.9	15	<0.01	0.03	3.2	0.281	0.44	0.38	106	0.47	4.89	90	<0.5
52631	517	0.85	0.13	0.34	30.1	650	2	68.1	0.001	0.35	0.06	10.8	0.6	0.9	29.2	<0.01	0.02	2.6	0.27	0.38	0.32	111	0.49	5.17	82	<0.5
52632	445	0.9	0.12	0.33	34.8	720	1.5	64.3	0.001	0.3	0.05	12.8	0.6	1.1	17.1	<0.01	0.02	2.8	0.213	0.34	0.41	114	0.37	4.62	86	<0.5
52633	410	1.25	0.1	0.3	31.3	630	2	67.8	0.003	0.46	0.08	9.4	0.7	0.7	11.6	<0.01	0.03	3.4	0.213	0.38	0.65	105	0.29	4.39	90	<0.5
52634	361	0.76	0.09	0.25	18.7	520	1.5	47.1	0.002	0.26	0.07	7.4	<0.2	0.9	16.5	<0.01	0.02	2.4	0.177	0.27	0.51	71	0.21	3.6	61	<0.5
52635	262	0.68	0.1	0.21	22.7	610	1.1	42.1	0.001	0.28	0.09	7.5	<0.2	1	10.8	<0.01	0.02	1.9	0.155	0.22	0.28	85	0.18	3.91	60	<0.5
52636	289	2.94	0.07	0.23	28.4	570	1.3	49.1	0.003	0.5	0.11	7	0.3	0.9	17.6	<0.01	0.03	2.3	0.148	0.29	0.46	79	0.17	3.27	69	<0.5
52637	355	6.21	0.07	0.26	34.3	700	2.9	65.2	0.003	0.72	0.1	5.8	0.2	0.7	63.7	<0.01	0.05	3.9	0.185	0.39	0.73	85	0.18	3.75	93	<0.5
52638	365	0.73	0.09	0.26	32.1	690	1.9	67.9	0.001	0.28	0.08	6.8	0.4	0.9	43.4	<0.01	0.03	3.5	0.189	0.43	0.61	82	0.14	3.38	88	<0.5
52639	351	0.53	0.09	0.25	25.6	530	1.3	60.4	<0.001	0.15	0.08	7.9	0.4	1.1	18.3	<0.01	0.01	3	0.181	0.31	0.5	82	0.17	3.85	70	<0.5
52640	388	0.45	0.12	0.24	17.2	520	1.1	39.5	<0.001	0.13	0.11	8.5	0.2	1.1	16	<0.01	0.01	2.5	0.194	0.2	0.37	82	0.2	5.03	57	<0.5
52641	397	0.47	0.1	0.23	18.7	550	1.4	44.2	<0.001	0.16	0.07	7.8	0.2	1	22	<0.01	0.02	2	0.193	0.23	0.35	76	0.18	4.37	61	<0.5
52642	431	0.65	0.13	0.25	23.4	650	1.6	52.2	0.001	0.28	0.07	8.1	0.2	1	36.7	<0.01	0.01	2.3	0.214	0.28	0.39	82	0.16	4.43	70	<0.5
52643	403	0.6	0.13	0.24	28.9	550	1.8	56.2	0.001	0.52	0.09	6.9	0.3	0.9	42.7	<0.01	0.03	2.8	0.219	0.3	0.46	79	0.16	3.85	78	<0.5
52644	310	0.58	0.12	0.2	21.5	610	1.8	36.6	0.001	0.23	0.07	7.4	0.2	0.9	39.2	<0.01	0.03	1.9	0.181	0.21	0.36	88	0.17	4.54	63	<0.5
52645	401	0.53	0.13	0.31	23.2	550	1.8	42.4	<0.001	0.27	0.06	8.6	<0.2	1	45.6	<0.01	0.01	2.1	0.203	0.23	0.38	85	0.22	4.58	65	<0.5
ST 30	399	0.25	0.56	0.19	37.1	460	<0.2	0.4	0.002	0.12	<0.05	3.9	0.5	0.5	47.2	<0.01	0.03	<0.2	0.292	<0.02	<0.05	165	<0.05	12.6	44	6
52646	476	0.67	0.13	0.2	21.7	600	1.7	47.6	0.001	0.2	<0.05	10	0.4	1	47.9	<0.01	0.01	1.6	0.233	0.29	0.32	92	0.24	5.05	67	<0.5
52647	452	0.48	0.13	0.21	19.9	590	1.5	41.3	<0.001	0.16	<0.05	7.9	<0.2	0.8	30	<0.01	0.02	1.3	0.22	0.24	0.26	86	0.27	4.51	63	<0.5
52648	475	2.78	0.13	0.22	22.3	490	3.2	48	0.003	0.44	0.05	7.2	0.3	0.8	68	<0.01	0.02	2.3	0.222	0.29	0.53	76	2.1	5.6	69	0.5
52649	411	1	0.12	0.25	44.1	780	2.3	73	0.002	0.49	<0.05	11.7	0.3	1.2	16.9	<0.01	0.07	2.6	0.219	0.4	0.46	115	0.1	3.82	22	<0.5
52650	353	0.78	0.1	0.26	32.9	760	1.8	47.8	0.001	0.45	<0.05	10.4	0.2	1	23.8	<0.01	0.04	2.3	0.171	0.28	0.42	103	0.11	3.96	42	<0.5
52651	409	0.74	0.14	0.25	22.2	530	1.5	45.4	0.001	0.38	0.05	8.3	<0.2	0.9	53.8	<0.01	0.02	1.9	0.183	0.27	0.41	82	0.2	3.95	66	<0.5
52652	351	4.44	0.11	0.18	25.2	510	2.6	40.5	0.003	0.9	<0.05	5.9	0.3	0.7	74.8	<0.01	0.04	2.1	0.166	0.21	0.58	71	0.31	4.42	71	<0.5
52653	426	0.66	0.15	0.23	23.6	560	2.2	49.3	0.001	0.48	0.05	8.1	0.2	0.8	46.4	<0.01	0.02	1.8	0.222	0.3	0.41	83	0.16	4.61	72	<0.5
52654	468	1.14	0.09	0.16	22.7	530	3.5	24.4	0.001	0.4	0.16	5.9	<0.2	0.6	37.6	<0.01	0.02	2.5	0.098	0.13	0.46	61	0.15	5.53	62	<0.5
52655	433	0.59	0.12	0.26	23.9	560	4.1	35.8	0.001	0.33	0.05	7.5	<0.2	0.7	43.7	<0.01	0.01	2.6	0.152	0.21	0.48	79	0.72	4.98	72	<0.5
52656	385	0.53	0.1	0.22	23	650	2.3	39.2	<0.001	0.2	<0.05	8.9	0.3	0.9	37.1	<0.01	0.01	2.2	0.144	0.22	0.38	84	0.18	4.54	62	<0.5
52657	591	1.12	0.1	0.22	82.7	880	4.6	65.7	0.002	0.25	<0.05	14	0.5	1	47.8	<0.01	0.04	2.8	0.178	0.37	0.42	128	0.5	4.64	72	<0.5
52658	459	0.67	0.06	0.21	57.5	740	4.3	48.9	0.001	0.3	0.05	10.4	0.3	0.8	15.5	<0.01	0.06	2.9	0.14	0.27	0.38	107	0.27	4.35	31	<0.5
52659	437	0.69	0.07	0.26	59.7	760	2.7	62.5	0.001	0.33	<0.05	12.8	0.2	1	12	<0.01	0.05	3.2	0.192	0.37	0.46	129	0.09	4.41	39	<0.5
52660	437	0.73	0.07	0.29	57.3	750	2.5	54.7	0.001	0.24	<0.05	9.7	0.2	0.8	10.8	<0.01	0.05	3.6	0.173	0.33	0.45	109	0.17	4.44	38	<0.5
52661	381	0.61	0.08	0.28	50.2	710	2.6	61.3	0.001	0.23	<0.05	9.9	0.2	0.9	13.8	<0.01	0.05	3.3	0.177	0.37	0.5	114	0.1	4.14	41	<0.5
52662	392	0.89	0.08	0.21	23	530	3.5	34.7	0.001	0.26	<0.05	4.6	<0.2	0.6	28.9	<0.01	0.02	2.8	0.123	0.19	0.35	54	0.25	4.94	68	<0.5
52663	427	0.63	0.13	0.24	18.8	480	2	44.6	<0.001	0.21	<0.05	6.7	<0.2	0.7	73.8	<0.01	0.01	2.2	0.189	0.24	0.33	66	1.36	4.27	62	<0.5
52664	429	0.61	0.09	0.22	21.8	600	2.3	38.1	0.001	0.31	<0.05	5.9	<0.2	0.6	27.6	<0.01	0.01	2.6	0.157	0.22	0.37	64	0.56	5.38	68	<0.5
52665	397	1.03	0.07	0.25	18.5	580	1.8	26.8	0.001	0.33	<0.05	4.7	0.3	0.5	70.7	<0.01	0.02	2.2	0.089	0.16	0.31	48	0.44	4.42	51	<0.5
ST 31	229	1.19	0.32	0.3	26.6	630	<0.2	0.4	0.002	0.16	<0.05	3.8	<0.2	0.6	26.5	<0.01	0.03	0.2	0.192	<0.02	<0.05	159	<0.05	9.47	17	2.1
52666	509	0.58	0.08	0.23	33.3	610	1.9	62.1	0.002	0.44	<0.05	8.1	0.3	0.9	54.4	<0.01	0.01	2.9	0.19	0.33	0.3	84	2.17	3.86	81	<0.5
52667	395	0.72	0.08	0.4	37.8	650	1.9	55.2	0.002	0.44	<0.05	9.8	<0.2	0.9	10.9	<0.01	0.04	3.4	0.192	0.31	0.44	106	0.32	4	87	<0.5
52668	384	1.06	0.1	0.23	35.1	760	1.5	46	0.001	0.25	0.09	11.6	0.3	1	19.7	<0.01	0.03	2.3	0.23	0.23	0.32	101	0.33	4.89	77	<0.5
52669	404	0.55	0.11	0.18	25.2	660	2	47.7	0.001	0.24	0.08	11.4	0.3	0.9	34.2	<0.01	0.03	2.3	0.203	0.24	0.33	101	0.22	4.03	75	<0.5
52670	416	0.68	0.09	0.2	25.6	680	2.8	47.2	0.001	0.29	0.05	10.3	0.2	0.8	26.6	<0.01	0.02	2	0.227	0.24	0.26	105	0.27	4.13	78	<0.5
52671	461	1.6	0.1	0.13	26.6	670	2.5	42.3	0.001	0.71	0.09	7.7	0.4	0.7	47.9	<0.01	0.03	2.2	0.194	0.23	0.41	81	1.07	5.31	70	<0.5
52672	472	0.97	0.15	0.3	49.2	3120	1	46.9	0.001	0.47	<0.05	18	0.4	0.9	39	<0.01	0.04	1.1	0.289	0.3	0.16	134	0.78	10.35	126	<0.5

VA11101001 - Finalized
CLIENT : "MILBAVE - Mill Bay Ventures"
# of SAMPLES : 24
DATE RECEIVED : 2011-06-08 DATE FINALIZED : 2011-06-26
PROJECT : " "
CERTIFICATE COMMENTS : ""
PO NUMBER : " "

	Au-SCR24	Au-SCR24	Au-SCR24	Au-SCR24	Au-SCR24	Au-SCR24	Au-AA26	Au-AA26D
SAMPLE	Au Total (+)(-) Com	Au (+) Fraction	Au (-) Fraction	Au (+) mg	WT. + Frac Entire	WT. - Frac Entire	Au	Au
DESCRIPTION	ppm	ppm	ppm	mg	g	g	ppm	ppm
52572	<0.05	0.07	<0.05	0.004	55.87	984.9	0.03	0.03
52573	<0.05	<0.05	<0.05	<0.001	43	339.3	<0.01	<0.01
52616	<0.05	<0.05	<0.05	<0.001	60.03	946.4	0.03	0.03
52617	<0.05	<0.05	<0.05	<0.001	68.79	1022.5	<0.01	<0.01
52618	<0.05	<0.05	<0.05	<0.001	62.14	1018	<0.01	<0.01
52619	<0.05	<0.05	<0.05	<0.001	56.59	338.9	0.02	0.02
52637	<0.05	<0.05	<0.05	<0.001	45.88	967.2	<0.01	<0.01
52670	<0.05	<0.05	<0.05	<0.001	37.3	347.7	<0.01	<0.01
52671	1.11	3.2	0.98	0.198	61.94	1013.5	1.12	0.84
52672	0.05	0.28	<0.05	0.014	50.91	1136	0.03	0.04

Valentine Mountain Project Drill Core Log and Sample Record

Date/Target:	**April, 2011 / Discovery Zone**							**Acid Tests:**	**Hole Number:**	**11-5**	
Location:	**UTM NAD83 Zone 10N 434611E 5374115N 815 m. elevation uncorrected**							**none**	**Collar Azimuth:**	**0**	
Total Length:	**720 feet = 219.46 metres**								**Collar Dip:**	**-60**	

Sample No	FROM ft	TO ft	WIDTH ft	Description
52566	23	26.4	3.4	12% qtz 0.1-6 cm @30-40 degrees to ca, foliation @ 35-55 to ca,2% diss & frac fill py, trace limonite
52567	26.4	31	4.6	3% qtz 0.1-1 cm @55-65 degrees to ca, 1% diss & frac fill py, tr lim fract fill, broken ground 29.9-30
52568	31	33.8	2.8	35% qtz 0.1-12 cm @10-80 degrees to ca, breccia texture, 3% chlorite, 3% diss & frac fill py, tr limonite
52569	43.5	44.5	1	10% qtz 0.1-3 cm, 3% diss & frac fill py, pyo, host diorite dyke/sill, broken grd 43.5-44.5
52570	44.5	47.5	3	3% qtz 0.1-1 cm, @ 20 & 55 deg to ca, 1% diss & frac fill py, pyo, hosted in diorite dyke/sill
52571	47.5	50	2.5	20% qtz 0.1-14 cm, @ 10-50 deg to ca, 2% diss & frac fill py, pyo, host diorite dyke/sill, 3% hb xtals
52572	68	71	3	6% qtz 0.1-3 cm, 2% diss & frac fill py, pyo, broken grd 68-68.5
52573	71	73	2	40% qtz 0.1-20 cm @30-45 degrees to ca, breccia texture, 3% chlorite, 3% diss & frac fill py
52574	73	78.2	5.2	4% qtz 0.1-1 cm, 1% diss & frac fill py, pyo, broken grd 68-68.5
52575	78.2	81	2.8	3% qtz 0.1-1 cm, @ 45-60 deg to ca, 1% diss & frac fill py, pyo
52576	81	83.7	2.7	15% qtz 0.1-4 cm, @5-45 deg to ca,1% diss & frac fill py, pyo
52577	83.7	89.5	5.8	3% qtz 0.1-1 cm, @ 45-60 deg to ca, 1% diss & frac fill py, pyo
52578	111.8	117	5.2	3% qtz 0.1-1 cm, @ 45-60 deg to ca, 1% diss & frac fill py, pyo
52579	117	121.7	4.7	3% qtz 0.1-1 cm, @ 45-60 deg to ca, 1% diss & frac fill py, pyo, broken ground, fault, 1% clay
52580	121.7	125.4	3.7	25% qtz 0.1-22 cm, @ 25-60 deg to ca, 1% diss & frac fill py, pyo, broken ground, fault, 3% clay
52581	125.4	129	3.6	3% qtz 0.1-1 cm, @ 45-60 deg to ca, 1% diss & frac fill py, pyo, fault 128.8-129.4, 1% clay in fault
52582	129	131.4	2.4	6% qtz 0.1-3 cm, @ 45-60 deg to ca, 1% diss & frac fill py, pyo, fault 128.8-129.4, 1% clay in fault
52583	140	145	5	3% qtz 0.1-1 cm, @ 45-60 deg to ca, 1% diss & frac fill py, pyo
52584	145	147	2	1% qtz 0.1-1 cm, @ 45-60 deg to ca, 8% chl as frac fill,3% diss & frac fill py, pyo
52585	147	149	2	8% qtz 0.1-4.5 cm, @ 55-60 deg to ca, 1% diss & frac fill py, pyo
52586	160.3	165	4.7	3% qtz 0.1-3 cm, @ 50-60 deg to ca, 10% chl, 1% diss & frac fill py, pyo, broken grd 160.3-161,164-165 graphite
52587	165	170.5	5.5	15% qtz 0.1-13 cm, @50-70 deg to ca, foliation @ 40-70, 1% diss & frac fill py, pyo
52588	184.1	189.1	5	3% qtz 0.1-1 cm, @50-70 deg to ca, foliation @ 50-70, 1% diss & frac fill py, pyo, broken grd 184.5-185
52589	189.1	194.1	5	3% qtz 0.1-1 cm, @50-70 deg to ca, foliation @ 50-70, 1% diss & frac fill py, pyo
52590	194.1	199.1	5	3% qtz 0.1-1 cm, @50-70 deg to ca, foliation @ 50-70, 1% diss & frac fill py, pyo
52591	199.1	203.5	4.4	3% qtz 0.1-1 cm, @50-70 deg to ca, foliation @ 60-70, 1% diss & frac fill py, pyo
52592	203.5	208.8	5.3	3% qtz 0.1-1 cm, @50-70 deg to ca, foliation @ 60-70, 1% diss & frac fill py, pyo, broken grd 203.5-220
52593	208.8	213.9	5.1	3% qtz 0.1-1 cm, @50-70 deg to ca, foliation @ 50-70, 1% diss & frac fill py, pyo, broken grd 203.5-220,
52594	213.9	219	5.1	3% qtz 0.1-1 cm, @50-70 deg to ca, foliation @ 50-70, 1% diss & frac fill py, pyo, broken grd 203.5-220
52595	219	223.2	4.2	3% qtz 0.1-1 cm, @50-70 deg to ca, foliation @ 50-70, 1% diss & frac fill py, pyo, broken grd 203.5-220
52596	223.2	227	3.8	3% qtz 0.1-2 cm, @50-60 deg to ca, foliation @ 50-70, 1% diss & frac fill py, pyo
52597	227	230.5	3.5	3% qtz 0.1-2 cm, @50-60 deg to ca, foliation @ 50-70, 1% diss & frac fill py, pyo
52598	230.5	233.9	3.4	3% qtz 0.1-2 cm, @50-60 deg to ca, foliation @ 50-70, 1% diss & frac fill py, pyo
52599	233.9	235.1	1.2	20% qtz 0.1-10 cm, @50-65 deg to ca, 3% diss & frac fill py, pyo
52600	235.1	239.5	4.4	3% qtz 0.1-2 cm, @50-65 deg to ca, 1% diss & frac fill py, pyo
52601	239.5	241.5	2	20% qtz 0.1-14 cm, @50-65 deg to ca, 3% diss & frac fill py, pyo
52602	241.5	245.2	3.7	3% qtz 0.1-2 cm, @50-65 deg to ca, 1% diss & frac fill py, pyo
52603	245.2	251.2	6	3% qtz 0.1-2 cm, @50-65 deg to ca, 1% diss & frac fill py, pyo
52604	251.2	256.5	5.3	3% qtz 0.1-2 cm, @50-65 deg to ca, 1% diss & frac fill py, pyo
52605	256.5	258.7	2.2	20% qtz 0.1-10 cm, @65-70 deg to ca, 2% diss & frac fill py, pyo
52606	258.7	262	3.3	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo
52607	262	265	3	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo
52608	265	269	4	3% qtz 0.1-2 cm, @60-65 deg to ca, 1% diss & frac fill py, pyo
52609	269	272.3	3.3	3% qtz 0.1-2 cm, @60-65 deg to ca, 1% diss & frac fill py, pyo
52610	272.3	274	1.7	20% qtz 0.1-10 cm, @65-70 deg to ca, 2% diss & frac fill py, pyo
52611	274	276	2	3% qtz 0.1-2 cm, @60-65 deg to ca, 1% diss & frac fill py, pyo
52612	276	277.5	1.5	20% qtz 0.1-10 cm, @65-70 deg to ca, 2% diss & frac fill py, pyo
52613	277.5	279	1.5	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo
52614	279	283	4	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo
52615	283	285.8	2.8	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo
52616	298	301.5	3.5	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo
52617	301.5	306	4.5	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo
52618	306	310.4	4.4	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo
52619	310.4	311.5	1.1	30% qtz 0.1-15 cm, @40-50 deg to ca, 3% diss & frac fill py, pyo, trace arsenopyrite
52620	311.5	315	3.5	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo
52621	315	320	5	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo
52622	320	325	5	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo
52623	325	330	5	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo
52624	330	335	5	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo
52625	335	340	5	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo
52626	340	344.6	4.6	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo
52627	344.6	349.2	4.6	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo
52628	349.2	351	1.8	60% glassy qtz 0.1-22 cm, @65-85 deg to ca, 3% diss & frac fill py, pyo, 4% chl clots, 3% sericite,
52629	351	354.4	3.4	65% glassy qtz 0.1-42 cm, @65-85 deg to ca, 3% diss & frac fill py, pyo, 4% chl clots, 3% sericite,
52630	354.4	359.4	5	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo
52631	359.4	364.4	5	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo
52632	364.4	370	5.4	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo
52633	370	375	5	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo
52634	375	380	5	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo
52635	380	385	5	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo
52636	385	390	5	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo, contorted foliation 388-407.5
52637	390	395	5	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo
52638	395	400	5	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo
52639	400	405	5	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo
52640	405	410	5	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo
52641	410	415	5	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo
52642	415	419.7	4.7	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo
52643	419.7	421.2	1.5	20% qtz 0.1-5 cm, @55-75 deg to ca, 2% diss & frac fill py, pyo, 3% secondary brown biotite
52644	421.2	426.3	5.1	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo
52645	426.3	430	3.7	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo
52646	430	435.3	5.3	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo
52647	435.3	440.5	5.2	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo
52648	440.5	442.6	2.1	8% qtz 0.1-5 cm, minor laminated qtz veining, @ 60-75 deg to ca, 1% diss & frac fill py, pyo
52649	458.5	463.5	5	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo
52650	463.5	468.5	5	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo
52651	468.5	474	5.5	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo
52652	492.4	494.6	2.2	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo
52653	494.6	499.2	4.6	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo
52654	531.3	536	4.7	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo
52655	536	540.7	4.7	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo
52656	568	571.5	3.5	7% qtz 0.1-3 cm, @60-75 deg to ca, 2% diss & frac fill py, pyo, 568-575 contorted foliation
52657	571.5	575.5	4	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo
52658	575.5	580	4.5	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo
52659	580	585	5	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo
52660	585	590	5	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo
52661	590	595	5	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo
52662	602	607	5	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo, broken ground 603.5-606.5
52663	607	608.4	1.4	12% qtz 0.1-4.5 cm, @60-75 deg to ca, 2% diss & frac fill py, pyo
52664	608.4	613.7	5.3	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo
52665	613.7	616	2.3	10% qtz 0.1-6 cm, @60-75 deg to ca, 2% diss & frac fill py, pyo
52666	616	619	3	5% qtz 0.1-4 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo
52667	619	624.2	5.2	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo
52668	624.2	629.5	5.3	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo
52669	629.5	635.3	5.8	3% qtz 0.1-2 cm, @30-75 deg to ca, 1% diss & frac fill py, pyo
52670	635.3	636.8	1.5	15% qtz 0.1-6 cm, @50-75 deg to ca, 2% diss & frac fill py, pyo
52671	636.8	642.2	5.4	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo
52672	642.2	647.5	5.3	3% qtz 0.1-2 cm, @60-75 deg to ca, 1% diss & frac fill py, pyo

Valentine Mountain Project Drill Core Log and Sample Record

Date/Target:	**April, 2011 / Discovery Zone**		**Pajari Test**	**Azimuth**	**Dip**	**Hole Number:**		**11-6**	
Location:	**UTM NAD83 Zone 10N 434575E 5374121N 823 m. elevation uncorrected**		**720 feet**	**345**	**-51**	**Collar Azimuth:**		**0**	
Total Length:	**720 feet = 219.46 metres**		**219.46 metres**	**345**	**-51**		**Collar Dip:**	**-60**	
Interval (m)	**Description**	**Rx**	**Sample No**	**From (m)**	**To (m)**	**Length (m)**	**Au g/t**	**Ag g/t**	**As ppm**
0.91	Overburden	casing		0.00	0.91	0.91			
0.61	8% qtz 0.1-5 cm @50-65 degrees to ca, 2% diss & frac fill py, pyo, tr limonite, 2-203.3 unit 2 gneiss (metasandstone)	2	52673	0.91	1.52	0.61	0.002	0.04	5
1.37	4% qtz 0.1-1 cm @50-65 degrees to ca, 1% diss & frac fill py, tr limonite	2	52674	1.52	2.90	1.37	0.002	0.04	5.3
0.55	10% qtz 0.1-3 cm @50-60 degrees to ca, 2% diss & frac fill py,pyo, tr limonite	6	52675	2.90	3.44	0.55	0.002	0.11	16.1
1.74	2% qtz 0.1-1 cm @50-55 degrees to ca, 1% diss & frac fill py, tr limonite	2	52676	3.44	5.18	1.74	0.002	0.08	13.6
1.22	4% qtz 0.1-1 cm @45-55 degrees to ca, 1% diss & frac fill py, pyo, tr limonite, broken grd 17-18.4	2	52677	5.18	6.40	1.22	0.002	0.06	7.5
2.32		2		6.40	8.72	2.32			
0.82	4% qtz 0.1-1 cm @45-55 degrees to ca, 1% diss & frac fill py, pyo, tr limonite	2	52678	8.72	9.54	0.82	0.002	0.04	8.7
0.58	18% qtz 0.1-5 cm @55-60 degrees to ca, 2% diss & frac fill py, pyo, tr limonite	6	52679	9.54	10.12	0.58	0.002	0.03	21.7
1.46	8% qtz 0.1-8 cm @45-60 degrees to ca, 2% diss & frac fill py, pyo, tr limonite, broken grd 34.9-35.6	2	52680	10.12	11.58	1.46	0.002	0.04	98.5
1.22	2% qtz 0.1-1 cm @50-55 degrees to ca, 1% diss & frac fill py, tr limonite	2	52681	11.58	12.80	1.22	0.001	0.04	2.3
1.31	4% qtz 0.1-1 cm @50-55 degrees to ca, 1% diss & frac fill py, tr limonite	2	52682	12.80	14.11	1.31	0.001	0.04	4.2
0.79	10% qtz 0.1-2 cm @50-55 degrees to ca, 2% diss & frac fill py, tr limonite	6	52683	14.11	14.90	0.79	0.001	0.04	7.7
0.34	20% qtz 0.1-9 cm @45-55 degrees to ca, 3% diss & frac fill py, tr limonite	6	52684	14.90	15.24	0.34	<0.001	0.04	25.9
1.37	4% qtz 0.1-1 cm @40-55 degrees to ca, 1% diss & frac fill py, pyo	2	52685	15.24	16.61	1.37	<0.001	0.06	12.8
1.01	12% qtz 0.1-4 cm @20-55 degrees to ca, 2% diss & frac fill py, pyo	6	52686	16.61	17.62	1.01	0.001	0.05	7.5
1.89	2% qtz 0.1-1 cm @45-55 degrees to ca, 1% diss & frac fill py, pyo	2	52687	17.62	19.51	1.89	<0.001	0.05	2
1.52	2% qtz 0.1-1 cm @45-55 degrees to ca, 1% diss & frac fill py, pyo	2	52688	19.51	21.03	1.52	0.001	0.03	5.1
1.52	2% qtz 0.1-1 cm @45-55 degrees to ca, 1% diss & frac fill py, pyo	2	52689	21.03	22.56	1.52	0.001	0.09	10
1.52	2% qtz 0.1-1 cm @45-55 degrees to ca, 1% diss & frac fill py, pyo	2	52690	22.56	24.08	1.52	<0.001	0.06	4.2
0.85	7% qtz 0.1-3 cm @45-55 degrees to ca, 2% diss & frac fill py, pyo	2	52691	24.08	24.93	0.85	0.001	0.06	3
1.58	2% qtz 0.1-1 cm @45-55 degrees to ca, 1% diss & frac fill py, pyo	2	52692	24.93	26.52	1.58	<0.001	0.06	1.7
1.52	2% qtz 0.1-1 cm @45-55 degrees to ca, 1% diss & frac fill py, pyo	2	52693	26.52	28.04	1.52	0.001	0.07	3.1
1.52	2% qtz 0.1-1 cm @45-55 degrees to ca, 1% diss & frac fill py, pyo	2	52694	28.04	29.57	1.52	0.001	0.05	1.3
1.52	2% qtz 0.1-1 cm @45-55 degrees to ca, 1% diss & frac fill py, pyo	2	52695	29.57	31.09	1.52	0.001	0.08	30.7
0.98	7% qtz 0.1-3 cm @45-55 degrees to ca, 2% diss & frac fill py, pyo	2	52696	31.09	32.06	0.98	<0.001	0.05	1.3
1.46		2		32.06	33.53	1.46			
1.52		2		33.53	35.05	1.52			
1.52		2		35.05	36.58	1.52			
1.52		2		36.58	38.10	1.52			
1.52		2		38.10	39.62	1.52			
1.52		2		39.62	41.15	1.52			
1.52		2		41.15	42.67	1.52			
1.52		2		42.67	44.20	1.52			
1.52		2		44.20	45.72	1.52			
1.13		2		45.72	46.85	1.13			
1.16	2% qtz 0.1-1 cm @45-65 degrees to ca, 1% diss & frac fill py, pyo	2	52697	46.85	48.01	1.16	0.001	0.16	0.5
0.76	14% qtz 0.1-4 cm @45-65 degrees to ca, minor laminated qtz, 2% diss & frac fill py, pyo	6	52698	48.01	48.77	0.76	<0.001	0.11	1
1.22	2% qtz 0.1-1 cm @45-65 degrees to ca, 1% diss & frac fill py, pyo	2	52699	48.77	49.99	1.22	<0.001	0.13	4.7
1.22	2% qtz 0.1-1 cm @45-65 degrees to ca, 1% diss & frac fill py, pyo	2	52700	49.99	51.21	1.22	<0.001	0.08	1.6
1.68	2% qtz 0.1-1 cm @45-65 degrees to ca, 1% diss & frac fill py, pyo	2	52701	51.21	52.88	1.68	<0.001	0.11	1.1
0.46		2		52.88	53.34	0.46			
1.52		2		53.34	54.86	1.52			
1.52		2		54.86	56.39	1.52			
0.91		2		56.39	57.30	0.91			
0.46	8% qtz 0.1-4 cm @45-60 degrees to ca, 2% diss & frac fill py, pyo	2	52702	57.30	57.76	0.46	<0.001	0.11	1.9
1.22	2% qtz 0.1-1 cm @45-60 degrees to ca, 1% diss & frac fill py, pyo	2	52703	57.76	58.98	1.22	<0.001	0.12	1.9
1.68	2% qtz 0.1-1 cm @25-60 degrees to ca, 1% diss & frac fill py, pyo	2	52704	58.98	60.66	1.68	0.001	0.16	1.3
1.31	2% qtz 0.1-1 cm @45-60 degrees to ca, 1% diss & frac fill py, pyo, broken grd 200-201.6	2	52705	60.66	61.97	1.31	<0.001	0.11	1.5
1.10	3% qtz 0.1-1 cm @55-70 degrees to ca, 1% diss & frac fill py, pyo, diorite dyke/sill, 203.3-218.8 unit 5 diorite dyke/sill	5	52706	61.97	63.06	1.10	0.001	0.06	3.6
0.94	3% qtz 0.1-1 cm @55-70 degrees to ca, 1% diss & frac fill py, pyo, diorite dyke/sill	5	52707	63.06	64.01	0.94	0.003	0.09	4.5
0.98	3% qtz 0.1-1 cm @55-70 degrees to ca, 1% diss & frac fill py, pyo, diorite dyke/sill	5	52708	64.01	64.98	0.98	0.001	0.09	6.8
1.71	3% qtz 0.1-1 cm @55-70 degrees to ca, 1% diss & frac fill py, pyo	5	52709	64.98	66.69	1.71	0.001	0.1	4
1.28	2% qtz 0.1-1 cm @45-60 degrees to ca, 1% diss & frac fill py, pyo, fault zone 80% rec, tr graphite, 218.8-463 unit 2 gneiss	2	52710	66.69	67.97	1.28	0.001	0.11	148
1.74	2% qtz 0.1-1 cm @45-60 degrees to ca, 1% diss & frac fill py, pyo, fault zone 80% rec, tr graphite	2	52711	67.97	69.71	1.74	<0.001	0.08	2.6
1.77	2% qtz 0.1-1 cm @45-60 degrees to ca, 1% diss & frac fill py, pyo, fault zone 80% rec, tr graphite	2	52712	69.71	71.48	1.77	0.001	0.07	6.9
1.13	12% qtz 0.1-1 cm @50-60 degrees to ca, 2% diss & frac fill py, pyo, broken grd 235-235.6	6	52713	71.48	72.60	1.13	<0.001	0.07	2.1
1.10	20% qtz 0.1-4 cm @55-65 degrees to ca, 3% diss & frac fill py, pyo	6	52714	72.60	73.70	1.10	<0.001	0.04	3.4
1.89	4% qtz 0.1-1 cm @45-60 degrees to ca, 1% diss & frac fill py, pyo	2	52715	73.70	75.59	1.89	<0.001	0.06	2.8
1.28	6% qtz 0.1-1 cm @45-60 degrees to ca, 2% diss & frac fill py, pyo	2	52716	75.59	76.87	1.28	<0.001	0.07	16.8
1.25	2% qtz 0.1-1 cm @45-60 degrees to ca, 1% diss & frac fill py, pyo	2	52717	76.87	78.12	1.25	0.001	0.05	13.8
1.28	2% qtz 0.1-1 cm @45-60 degrees to ca, 1% diss & frac fill py, pyo	2	52718	78.12	79.40	1.28	0.001	0.06	2.4
1.65	2% qtz 0.1-1 cm @45-60 degrees to ca, 1% diss & frac fill py, pyo	2	52719	79.40	81.05	1.65	0.001	0.07	1.5
1.86	2% qtz 0.1-2 cm @45-60 degrees to ca, 1% diss & frac fill py, pyo	2	52720	81.05	82.91	1.86	0.001	0.11	2.1
1.37	6% qtz 0.1-7 cm @35-70 degrees to ca, 2% diss & frac fill py, pyo	2	52721	82.91	84.28	1.37	0.001	0.09	23.9
1.07		2		84.28	85.34	1.07			
1.52		2		85.34	86.87	1.52			
1.52		2		86.87	88.39	1.52			
1.52		2		88.39	89.92	1.52			
1.52		2		89.92	91.44	1.52			
1.52		2		91.44	92.96	1.52			
1.52		2		92.96	94.49	1.52			
1.52	3% qtz 0.1-1 cm @45-60 degrees to ca, 1% diss & frac fill py, pyo, broken grd 310-311	2	52722	94.49	96.01	1.52	0.002	0.04	136.5
1.52	18% qtz 0.1-8 cm @20-60 degrees to ca, 2% diss & frac fill py, pyo,	6	52723	96.01	97.54	1.52	0.004	0.03	63.7
0.91	15% qtz 0.1-13 cm @35-65 degrees to ca, 2% diss & frac fill py, pyo	6	52724	97.54	98.45	0.91	0.016	0.03	171
1.13	35% qtz 0.1-22 cm @55-80 degrees to ca, 3% diss & frac fill py, pyo, broken grd 323-324	6	52725	98.45	99.58	1.13	0.003	0.06	434
0.67	15% qtz 0.1-6 cm @45-60 degrees to ca, minor laminated qtz, 3% diss & frac fill py, pyo	6	52726	99.58	100.25	0.67	0.01	0.07	585
1.31	2% qtz 0.1-1 cm @50-60 degrees to ca, 1% diss & frac fill py, pyo, bleached & chloritic 330.2-332	2	52727	100.25	101.56	1.31	0.006	0.05	42.5
1.62	2% qtz 0.1-1 cm @50-60 degrees to ca, 1% diss & frac fill py, pyo	2	52728	101.56	103.17	1.62	0.001	0.05	16
0.46		2		103.17	103.63	0.46			
1.52		2		103.63	105.16	1.52			
1.52		2		105.16	106.68	1.52			
1.52		2		106.68	108.20	1.52			
1.52		2		108.20	109.73	1.52			
1.52		2		109.73	111.25	1.52			
0.76		2		111.25	112.01	0.76			
0.76	10% qtz 0.1-4 cm @35-50 degrees to ca, 2% diss & frac fill py, pyo	6	52729	112.01	112.78	0.76	0.001	0.04	7.2
1.52	4% qtz 0.1-2 cm @45-60 degrees to ca, 1% diss & frac fill py, pyo	2	52730	112.78	114.30	1.52	0.001	0.04	14
1.52	6% qtz 0.1-3 cm @45-60 degrees to ca, 1% diss & frac fill py, pyo	2	52731	114.30	115.82	1.52	0.001	0.05	5.4
1.68	2% qtz 0.1-1 cm @45-60 degrees to ca, 1% diss & frac fill py, pyo	2	52732	115.82	117.50	1.68	0.001	0.09	2
1.37		2		117.50	118.87	1.37			
1.52		2		118.87	120.40	1.52			
1.52		2		120.40	121.92	1.52			
1.22		2		121.92	123.14	1.22			
1.58	3% qtz 0.1-1 cm @50-60 degrees to ca, 1% diss & frac fill py, pyo	2	52733	123.14	124.72	1.58	<0.001	0.1	87.4
0.24		2		124.72	124.97	0.24			
1.52		2		124.97	126.49	1.52			
1.52		2		126.49	128.02	1.52			
1.52		2		128.02	129.54	1.52			
1.52		2		129.54	131.06	1.52			
1.52		2		131.06	132.59	1.52			
0.30		2		132.59	132.89	0.30			
1.22	7% qtz 0.1-4 cm @45-60 degrees to ca, 1% diss & frac fill py, pyo	2	52734	132.89	134.11	1.22	0.017	0.06	19.9
1.01	5% qtz 0.1-1 cm @45-60 degrees to ca, 1% diss & frac fill py, pyo	2	52735	134.11	135.12	1.01	0.016	0.06	11
0.52		2		135.12	135.64	0.52			
1.52		2		135.64	137.16	1.52			
1.52		2		137.16	138.68	1.52			
0.91		2		138.68	139.60	0.91			
1.52	5% qtz 0.1-7 cm @40-60 degrees to ca, 1% diss & frac fill py, pyo, broken grd 458-458.4, dior dyke/sill contact at 463	2	52736	139.60	141.12	1.52	0.25	0.07	772
0.61	463-476.5 unit 5 diorite dyke/sill, sharp contacts @ 50 degrees to ca	5		141.12	141.73	0.61			
1.52		5		141.73	143.26	1.52			
1.52		5		143.26	144.78	1.52			
1.52	476.5-479.5 unit 2 gneiss (metasandstone), 479.5-522.8 unit 5 diorite dyke/sill	2		144.78	146.30	1.52			
1.52		5		146.30	147.83	1.52			
0.76		5		147.83	148.59	0.76			
0.43	75% qtz 0.1-18 cm @35-60 degrees to ca, 3% diss & frac fill py, pyo, at dior dyke/sill contact	5	52737	148.59	149.02	0.43	0.003	0.05	2.8
0.34		5		149.02	149.35	0.34			
1.52		5		149.35	150.88	1.52			
0.76		5		150.88	151.64	0.76			
0.37	30% qtz 0.1-12 cm @30-60 degrees to ca, 1% diss & frac fill py, pyo, dior dyke/sill hosted, minor laminated qtz veining	6	52738	151.64	152.00	0.37	0.003	0.1	2.1
0.40		5		152.00	152.40	0.40			
1.52		5		152.40	153.92	1.52			
1.52		5		153.92	155.45	1.52			
1.46		5		155.45	156.91	1.46			
0.67	10% qtz 0.1-4 cm @45-60 degrees to ca, minor breccia texture, 1% diss & frac fill py, pyo, diorite dyke/sill hosted, 522.8-653.5 unit 2 gneiss	6	52739	156.91	157.58	0.67	0.001	0.07	4.2
0.91		5		157.58	158.50	0.91			
1.52		5		158.50	160.02	1.52			
1.52		2		160.02	161.54	1.52			
1.52		2		161.54	163.07	1.52			
1.16	4% qtz 0.1-1 cm @50-65 degrees to ca, 1% diss & frac fill py, pyo	2	52740	163.07	164.23	1.16	<0.001	0.09	2.2
0.37		2		164.23	164.59	0.37			
1.52		2		164.59	166.12	1.52			
1.52		2		166.12	167.64	1.52			
1.52		2		167.64	169.16	1.52			
1.52		2		169.16	170.69	1.52			
1.43	2% qtz 0.1-1 cm @45-60 degrees to ca, 1% diss & frac fill py, pyo	2	52741	170.69	172.12	1.43	0.001	0.06	2.4
1.62	2% qtz 0.1-1 cm @45-60 degrees to ca, 1% diss & frac fill py, pyo	2	52742	172.12	173.74	1.62	<0.001	0.06	30.8
1.52	2% qtz 0.1-1 cm @45-60 degrees to ca, 1% diss & frac fill py, pyo, broken grd 571-573	2	52743	173.74	175.26	1.52	0.001	0.08	9.4
1.52	2% qtz 0.1-1 cm @45-60 degrees to ca, 1% diss & frac fill py, pyo, broken grd, fault with 3% clay at 578-579.6	2	52744	175.26	176.78	1.52	<0.001	0.14	4.6
1.68	2% qtz 0.1-1 cm @45-60 degrees to ca, 1% diss & frac fill py, pyo	2	52745	176.78	178.46	1.68	0.001	0.13	6.8
1.37		2		178.46	179.83	1.37			
1.52		2		179.83	181.36	1.52			
1.52		2		181.36	182.88	1.52			
1.52		2		182.88	184.40	1.52			
1.52		2		184.40	185.93	1.52			
1.52		2		185.93	187.45	1.52			
1.52		2		187.45	188.98	1.52			
1.52		2		188.98	190.50	1.52			
0.06		2		190.50	190.56	0.06			
1.86	3% qtz 0.1-3 cm @55-70 degrees to ca, 1% diss & frac fill py, pyo, minor clay alt, weak sericite-chl	2	52746	190.56	192.42	1.86	0.001	0.09	4
1.80	3% qtz 0.1-3 cm @55-70 degrees to ca, 1% diss & frac fill py, pyo, minor clay alt, weak sericite-chl	2	52747	192.42	194.22	1.80	0.001	0.07	7.4
2.23	3% qtz 0.1-3 cm @55-70 degrees to ca, 1% diss & frac fill py, pyo	2	52748	194.22	196.44	2.23	0.011	0.07	4.6
1.68	3% qtz 0.1-3 cm @55-70 degrees to ca, 1% diss & frac fill py, pyo	2	52749	196.44	198.12	1.68	0.007	0.07	10.2
1.07	3% qtz 0.1-3 cm @55-70 degrees to ca, 1% diss & frac fill py, pyo	2	52750	198.12	199.19	1.07	0.033	0.19	1.6
1.07	3% qtz 0.1-3 cm @55-70 degrees to ca, 1% diss & frac fill py, pyo, at amphibolite-schist contact, 653.5-695 unit 3 amphibolite (metavolcanic)	3	52751	199.19	200.25	1.07	0.008	0.23	2
1.68	3% qtz 0.1-3 cm @55-70 degrees to ca, 1% diss & frac fill py, pyo	3	52752	200.25	201.93	1.68	0.008	0.05	0.6
1.68	3% qtz 0.1-3 cm @55-70 degrees to ca, 1% diss & frac fill py, pyo	3	52753	201.93	203.61	1.68	0.018	0.07	7.6
0.61		3		203.61	204.22	0.61			
1.52		3		204.22	205.74	1.52			
1.37		3		205.74	207.11	1.37			
1.46	3% qtz 0.1-3 cm @55-70 degrees to ca, 1% diss & frac fill py, pyo	3	52754	207.11	208.57	1.46	0.003	0.13	13.1
0.21		3		208.57	208.79	0.21			
1.52		3		208.79	210.31	1.52			
1.52		3		210.31	211.84	1.52			
1.52	695-707.5 unit 5 diorite dyke/sill	5		211.84	213.36	1.52			
1.52		5		213.36	214.88	1.52			
1.52	707.5-720 unit 3 amphibolite (metavolcanic)	3		214.88	216.41	1.52			
1.52		3		216.41	217.93	1.52			
1.52	720 EOH	3		217.93	219.46	1.52			

VA11084160 - Finalized
CLIENT : "MILBAVE - Mill Bay Ventures"
# of SAMPLES : 199
DATE RECEIVED : 2011-05-13 DATE FINALIZED : 2011-06-03
PROJECT : "VALENTINE DISCOVERY ZONE"
CERTIFICATE COMMENTS : "ME-MS41:Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g). "
PO NUMBER : " "

	Au-TL44	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
SAMPLE	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr
DESCRIPTION	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
52673	0.002	0.04	2.12	5	<0.2	<10	430	0.11	0.05	0.4	0.03	7.24	10.1	46	1.36	19.4	2.6	8.15	0.15	<0.02	<0.01	0.023	0.89	3.6	27.9	1.13	321	0.28	0.12	0.14	19.2	560	2.2	32.6	<0.001	0.09	0.08	8.4	<0.2	0.9	28.7	<0.01	0.01	1.9	0.153	0.14	0.27	88	0.14	4.23	58	<0.5
52674	0.002	0.04	2.27	5.3	<0.2	<10	410	0.13	0.07	0.3	0.04	9.91	13.8	50	1.92	21.6	3.02	9.37	0.16	<0.02	0.01	0.03	1.02	4.7	32.4	1.11	412	0.46	0.12	0.18	22.5	590	2.2	41.6	<0.001	0.11	0.06	10.8	0.5	0.9	28.8	<0.01	0.03	2.9	0.197	0.2	0.38	95	0.21	5.04	65	<0.5
52675	0.002	0.11	3	16.1	<0.2	<10	440	0.21	0.14	0.64	0.09	9.1	14.8	54	2.91	35.4	3.76	9.86	0.12	<0.02	0.01	0.028	1.3	4.3	31.3	1.17	444	0.91	0.14	0.26	31.9	660	2.3	56.2	0.002	0.54	0.08	9.6	0.6	0.8	70.4	<0.01	0.06	2.5	0.215	0.3	0.31	103	0.15	3.83	85	<0.5
52676	0.002	0.08	2.86	13.6	<0.2	<10	450	0.14	0.11	0.65	0.06	9.7	15.7	54	2.49	34.7	3.43	9.42	0.12	<0.02	<0.01	0.026	1.4	4.5	30	1.26	450	0.98	0.16	0.21	29.5	710	2.2	53.1	0.001	0.43	0.05	9	0.4	0.7	53.3	<0.01	0.03	2.5	0.234	0.27	0.33	98	0.19	3.91	81	<0.5
52677	0.002	0.06	2.28	7.5	<0.2	<10	450	0.13	0.09	0.16	0.03	11.6	9.1	44	1.43	20.1	3.3	7.16	0.1	<0.02	<0.01	0.025	1.15	5.4	24.5	1.21	393	0.64	0.08	0.14	17	610	3.6	35.2	<0.001	0.18	<0.05	7.1	0.3	0.6	11.9	<0.01	0.02	2.4	0.212	0.17	0.44	87	0.14	3.83	72	<0.5
52678	0.002	0.04	2.27	8.7	<0.2	<10	440	0.11	0.08	0.22	0.03	8.97	11.8	50	1.86	22.2	3.13	8.89	0.14	<0.02	<0.01	0.027	1.25	4.3	26.8	1.19	500	0.5	0.09	0.21	21.5	580	1.8	43.9	<0.001	0.18	0.05	10.1	0.2	0.8	16.9	<0.01	0.02	2.1	0.242	0.22	0.34	95	0.2	4.57	66	<0.5
52679	0.002	0.03	2.38	21.7	<0.2	<10	460	0.09	0.04	0.42	0.05	7.96	11.5	48	1.97	16.5	3.09	8.93	0.12	<0.02	<0.01	0.026	1.44	3.8	26.8	1.18	479	0.35	0.1	0.16	20.7	550	1.6	55.1	<0.001	0.15	<0.05	9.3	0.4	0.8	32.3	<0.01	0.02	1.8	0.271	0.25	0.31	94	0.22	4.52	67	<0.5
52680	0.002	0.04	2.14	98.5	<0.2	<10	460	0.08	0.06	0.74	0.06	8	11.8	49	1.81	17	2.97	8.59	0.13	<0.02	<0.01	0.03	1.31	3.9	26	1.15	477	0.48	0.1	0.16	21.3	600	1.3	45.2	0.001	0.12	0.06	10.4	0.3	0.9	36.5	<0.01	0.02	1.9	0.247	0.21	0.32	94	0.25	4.96	64	<0.5
52681	0.001	0.04	2.05	2.3	<0.2	<10	460	0.09	0.06	0.33	0.03	6.54	11.9	48	1.57	19.6	2.82	8.12	0.16	<0.02	<0.01	0.026	1.13	3.3	23.7	1.15	390	0.43	0.11	0.14	19.9	570	1.3	38.3	0.001	0.18	0.05	9	0.3	0.8	24.8	<0.01	0.02	1.9	0.216	0.18	0.27	91	0.18	4.24	60	<0.5
52682	0.001	0.04	1.81	4.2	<0.2	<10	330	0.08	0.06	0.35	0.03	6.74	11.1	43	1.37	20.8	2.53	7.13	0.16	<0.02	<0.01	0.019	0.97	3.4	21.9	1.06	299	0.4	0.11	0.14	20.1	620	1.3	33.7	0.001	0.26	<0.05	6.5	0.2	0.6	18.7	<0.01	0.01	2.4	0.197	0.15	0.29	82	0.18	4.1	53	<0.5
52683	0.001	0.04	2.6	7.7	<0.2	<10	480	0.16	0.05	0.52	0.03	6.25	13.1	51	1.6	23.2	3.07	9.41	0.18	0.02	0.01	0.022	1.27	3.1	25.4	1.25	401	0.54	0.18	0.17	22.2	660	2	44.3	0.001	0.24	<0.05	8.2	0.3	0.7	38.1	<0.01	0.03	2.1	0.249	0.2	0.26	98	0.2	4.28	66	<0.5
52684	<0.001	0.04	2.57	25.9	<0.2	<10	420	0.12	0.05	0.27	0.03	10.65	11.9	49	1.87	22.4	3.34	9.18	0.15	<0.02	0.01	0.025	1.46	5.4	28.8	1.24	490	0.5	0.09	0.17	21.5	560	2	52.6	<0.001	0.2	<0.05	9.1	0.2	0.8	21.5	<0.01	0.02	2.2	0.267	0.23	0.39	100	0.21	5.24	72	<0.5
52685	<0.001	0.06	2.42	12.8	<0.2	<10	420	0.15	0.1	0.39	0.06	9.73	14	51	1.87	27.2	3.32	9.46	0.13	<0.02	<0.01	0.028	1.24	4.7	26.9	1.27	464	1.17	0.12	0.24	24.6	630	2.6	43.3	0.001	0.56	0.05	10	0.6	0.8	31.7	<0.01	0.03	2.2	0.227	0.21	0.41	100	0.21	5.15	74	<0.5
ST 32	0.001	0.04	5.51	0.3	<0.2	<10	10	0.06	0.02	3.78	0.01	3.59	14.4	217	<0.05	16.9	9.92	7.28	0.13	0.05	<0.01	0.015	0.04	1.3	1.5	1.1	211	0.32	0.39	<0.05	110	560	0.3	0.2	<0.001	0.13	<0.05	5.5	0.3	0.5	71.8	<0.01	0.02	0.5	0.104	<0.02	<0.05	276	<0.05	3.77	15	1.8
52686	0.001	0.05	2.16	7.5	<0.2	<10	420	0.1	0.06	0.36	0.06	8.34	12.5	49	1.88	21.3	3.06	9.27	0.15	<0.02	<0.01	0.028	1.26	4.1	24.9	1.2	536	0.74	0.11	0.27	22.1	620	2	45.9	0.001	0.47	<0.05	9.4	0.5	0.8	22.1	<0.01	0.03	2.2	0.244	0.24	0.39	94	0.2	5.17	66	<0.5
52687	<0.001	0.05	2.1	2	<0.2	<10	430	0.08	0.07	0.37	0.04	8.22	13	50	1.79	22.5	3.07	8.54	0.14	0.02	<0.01	0.026	1.25	3.9	24.4	1.26	452	0.56	0.11	0.21	23.5	630	1.7	45.7	0.001	0.48	0.05	9.5	0.3	0.8	21.6	<0.01	0.02	2.2	0.25	0.21	0.36	96	0.22	5.08	68	<0.5
52688	0.001	0.03	1.77	5.1	<0.2	<10	350	0.1	0.06	0.35	0.03	8.32	11.6	41	1.13	21.5	2.76	6.81	0.11	0.02	<0.01	0.021	0.78	4.1	19.4	1.06	485	0.45	0.1	0.15	19.7	600	2	27	<0.001	0.28	0.05	6.1	0.2	0.6	18.8	<0.01	0.02	2.3	0.181	0.12	0.32	78	0.35	4.72	54	<0.5
52689	0.001	0.09	2.09	10	<0.2	<10	300	0.14	0.14	0.25	0.09	12.45	13.8	49	2.18	31.3	3.36	8.25	0.11	<0.02	<0.01	0.023	1.17	5.9	25.3	1.21	490	0.97	0.08	0.18	27.4	660	3.5	46.5	0.001	0.8	0.06	8.2	0.5	0.7	15.4	<0.01	0.04	3	0.235	0.26	0.62	91	0.18	6.47	84	<0.5
52690	<0.001	0.06	2.22	4.2	<0.2	<10	380	0.13	0.11	0.34	0.08	9.29	12.2	50	2.11	25.6	3.18	8.08	0.12	<0.02	<0.01	0.026	1.2	4.1	22.2	1.13	514	0.9	0.11	0.16	24.1	650	2.1	43.6	0.001	0.42	0.07	8.7	0.5	0.8	25.5	<0.01	0.03	2.4	0.223	0.23	0.51	92	0.16	4.59	72	<0.5
52691	0.001	0.06	2.35	3	<0.2	<10	450	0.11	0.07	0.32	0.05	7.45	13.2	52	1.94	22.1	3.32	8.96	0.14	<0.02	<0.01	0.027	1.32	3.7	27.3	1.23	560	0.57	0.12	0.19	24	650	1.6	45.4	0.001	0.36	0.05	9.8	0.3	0.9	26.1	<0.01	0.02	1.9	0.237	0.21	0.34	97	0.2	4.3	73	<0.5
52692	<0.001	0.06	2.2	1.7	<0.2	<10	440	0.09	0.08	0.36	0.04	6.79	13.5	53	1.74	27	3.06	8.94	0.14	0.02	<0.01	0.025	1.16	3.4	27	1.24	383	0.72	0.13	0.15	24.2	710	1.6	39.8	0.001	0.33	0.06	8.8	0.3	0.8	26.5	<0.01	0.02	1.7	0.214	0.19	0.27	102	0.16	4.14	69	<0.5
52693	0.001	0.07	2.68	3.1	<0.2	<10	500	0.12	0.12	0.47	0.06	9.53	15.5	58	2.43	32.5	3.56	10.35	0.15	<0.02	<0.01	0.034	1.46	4.4	30.6	1.36	449	0.82	0.13	0.25	29.5	730	1.9	52.4	0.002	0.41	0.1	11.2	0.4	1	37.5	<0.01	0.03	2.3	0.25	0.27	0.37	112	0.23	4.71	82	<0.5
52694	0.001	0.05	2.3	1.3	<0.2	<10	450	0.11	0.07	0.44	0.05	8.17	13.5	52	2.04	21.4	3.03	9.56	0.13	<0.02	<0.01	0.03	1.28	3.9	25.8	1.23	445	0.51	0.15	0.2	24.1	600	1.7	45.8	0.001	0.25	0.06	10.7	0.5	0.9	32	<0.01	0.03	2	0.236	0.23	0.34	95	0.19	5.15	69	<0.5
52695	0.001	0.08	2.24	30.7	<0.2	<10	450	0.08	0.12	0.4	0.06	7.27	14.9	50	2.52	31.5	3.46	7.97	0.11	<0.02	<0.01	0.022	1.4	3.5	23.1	1.24	459	1.84	0.09	0.23	27.6	730	1.9	50.1	0.002	0.57	0.06	7.8	0.5	0.6	19.2	<0.01	0.04	1.6	0.266	0.27	0.47	98	0.16	5.21	82	<0.5
52696	<0.001	0.05	2.44	1.3	<0.2	<10	520	0.11	0.06	0.91	0.07	5.4	12.4	51	2.3	20.5	3.07	9.12	0.14	<0.02	<0.01	0.024	1.44	2.6	25.1	1.18	552	0.62	0.13	0.2	21.2	630	2	49.5	0.001	0.35	<0.05	10	0.3	0.7	57	<0.01	0.02	1.4	0.262	0.25	0.27	96	0.16	4.23	71	<0.5
52697	0.001	0.16	2.45	0.5	<0.2	<10	380	0.11	0.24	0.29	0.06	14.7	16.3	50	3.17	46.9	3.99	8.47	0.1	<0.02	<0.01	0.027	1.47	6.5	39	1.29	390	1.05	0.07	0.36	38	680	2.2	62	0.002	0.84	<0.05	7.5	0.6	0.8	44.2	<0.01	0.05	3.9	0.223	0.35	0.47	89	0.22	4.09	98	<0.5
52698	<0.001	0.11	2.68	1	<0.2	<10	440	0.11	0.15	0.6	0.07	12.4	14.2	63	3.41	36.3	3.79	10.55	0.13	<0.02	<0.01	0.035	1.42	5.7	38.2	1.36	479	0.66	0.09	0.23	33.7	910	1.9	61.1	0.001	0.61	<0.05	11.6	0.5	0.9	27.3	<0.01	0.06	2.7	0.206	0.34	0.34	120	0.17	4.39	97	<0.5
52699	<0.001	0.13	3.01	4.7	<0.2	<10	340	0.17	0.29	0.31	0.1	16.05	22.6	88	2.64	58.6	4.67	11.65	0.08	<0.02	0.02	0.038	1.07	7.8	53.4	1.72	466	1.6	0.06	0.16	67.7	980	3.9	49.6	0.002	0.35	0.09	11.8	0.9	0.8	35.5	<0.01	0.05	4.1	0.164	0.29	0.57	138	0.18	5.94	131	<0.5
52700	<0.001	0.08	2.63	1.6	<0.2	<10	320	0.14	0.15	0.38	0.1	12.15	16.5	74	2.45	39	3.69	9.94	0.09	<0.02	0.01	0.033	0.95	5.8	41.7	1.36	404	1.19	0.08	0.17	40.1	680	2.1	43.3	0.001	0.17	0.07	11.8	0.7	0.8	19.7	<0.01	0.02	2.4	0.156	0.24	0.35	120	1	4.54	94	<0.5
52701	<0.001	0.11	2.73	1.1	<0.2	<10	370	0.09	0.25	0.22	0.08	11.2	18.3	88	3.25	48.5	4.18	10.25	0.09	<0.02	0.01	0.036	1.2	5.3	41	1.51	430	1.18	0.06	0.23	51.5	840	2.1	57.2	0.001	0.26	0.06	13.6	0.7	0.9	8.3	<0.01	0.04	2.9	0.199	0.34	0.3	137	0.13	4.36	107	<0.5
52702	<0.001	0.11	2.53	1.9	<0.2	<10	280	0.12	0.23	0.27	0.07	10.05	17.2	76	2.67	59.1	3.64	8.37	0.07	<0.02	0.01	0.035	1	4.6	29.6	1.37	358	1.07	0.05	0.24	61.6	810	2.5	49.7	0.001	0.29	0.18	9.9	0.6	0.8	17	<0.01	0.06	2.2	0.162	0.3	0.27	105	0.16	3.95	62	<0.5
52703	<0.001	0.12	2.9	1.9	<0.2	<10	270	0.1	0.18	0.24	0.08	12.65	17.6	104	2.76	53.5	4.23	9.72	0.11	<0.02	<0.01	0.038	0.99	6.2	32	1.67	472	1.14	0.06	0.23	71.9	810	2.3	45.1	0.001	0.22	<0.05	13	0.7	0.7	12.9	<0.01	0.04	2.7	0.157	0.33	0.29	124	0.18	4.38	58	<0.5
52704	0.001	0.16	2.65	1.3	<0.2	<10	310	0.08	0.24	0.23	0.06	13.05	16.7	81	3.14	50.9	3.94	9.15	0.11	<0.02	<0.01	0.037	1.2	6.5	29.3	1.53	403	1.05	0.05	0.25	56.7	800	3.1	55.6	0.001	0.24	<0.05	11.9	0.8	0.8	8.3	<0.01	0.04	3.3	0.179	0.38	0.37	117	0.55	4.45	47	<0.5
52705	<0.001	0.11	2.98	1.5	<0.2	<10	380	0.11	0.25	0.23	0.07	14.65	18.6	98	3.65	54.8	4.27	11.05	0.13	0.02	<0.01	0.047	1.33	7.3	38.8	1.73	437	1.19	0.06	0.24	64.3	810	3.3	58.1	0.001	0.24	0.05	14.9	0.8	0.9	9.5	<0.01	0.04	3.2	0.19	0.38	0.43	141	0.21	4.73	68	<0.5
ST 33	0.001	0.01	2.66	<0.1	<0.2	<10	10	0.06	0.01	2.04	0.01	2.19	8.6	47	<0.05	<0.2	2.38	4.28	0.08	0.2	<0.01	0.007	0.02	0.9	0.4	0.42	150	0.14	0.4	0.3	13.7	390	<0.2	0.4	0.001	0.01	<0.05	3.3	0.5	0.2	34.8	<0.01	0.03	<0.2	0.231	<0.02	<0.05	67	0.09	7.79	12	5.4
52706	0.001	0.06	1.37	3.6	<0.2	<10	140	0.08	0.03	0.24	0.05	7.75	7.3	6	1.87	28.1	2.4	7.12	0.07	0.02	<0.01	0.012	0.68	4.1	20.3	0.61	334	0.2	0.07	0.27	3.2	650	1.1	33.9	<0.001	0.1	<0.05	4.2	0.5	0.4	12	<0.01	0.01	1.2	0.153	0.21	0.23	26	0.29	3.96	52	0.5
52707	0.003	0.09	1.42	4.5	<0.2	<10	130	0.08	0.02	0.23	0.06	8.34	7.2	7	2.04	31.6	2.38	7.16	0.07	0.02	<0.01	0.015	0.75	4.3	22	0.62	264	0.25	0.07	0.24	4	670	1	35.3	<0.001	0.02	<0.05	4.3	0.4	0.4	11.2	<0.01	0.01	1.4	0.156	0.22	0.24	29	0.25	3.72	53	0.5
52708	0.001	0.09	1.27	6.8	<0.2	<10	90	0.12	0.02	0.21	0.06	10.9	6.8	5	1.1	27.9	2.13	6.42	0.05	0.02	<0.01	0.013	0.45	5.7	21.1	0.54	180	0.19	0.07	0.19	2.2	660	1.5	21	<0.001	0.08	0.09	3.2	0.4	0.3	11	<0.01	0.01	1.7	0.085	0.14	0.29	20	0.3	3.94	48	0.5
52709	0.001	0.1	2.8	4	<0.2	<10	270	0.15	0.1	0.2	0.05	19.5	14.4	66	4.47	41.5	4.11	10.15	0.09	0.02	<0.01	0.031	1.39	9.8	42	1.53	474	0.38	0.06	0.18	39.9	790	2	64.6	<0.001	0.09	<0.05	9.5	0.6	0.7	7.1	<0.01	0.02	3.9	0.194	0.4	0.46	104	0.26	4.82	76	<0.5
52710	0.001	0.11	2.12	148	<0.2	<10	160	0.16	0.13	0.2	0.07	15.7	13.3	46	2.34	34.4	3.38	7.42	0.07	0.02	<0.01	0.021	0.8	7.7	32.2	1.2	393	0.67	0.05	0.16	35.4	760	3.3	37.4	0.001	0.16	0.09	5.7	0.6	0.4	7.8	<0.01	0.04	3.3	0.109	0.25	0.61	70	0.23	5.11	78	<0.5
52711	<0.001	0.08	1.92	2.6	<0.2	<10	180	0.17	0.1	0.28	0.09	10.2	10.2	31	1.94	20.8	2.59	6.92	0.07	0.02	<0.01	0.016	0.86	5.1	24.8	1.03	341	0.81	0.07	0.13	22.3	510	2.8	38.6	0.002	0.38	<0.05	5.2	0.6	0.4	24.1	<0.01	0.02	2.7	0.121	0.29	0.79	55	0.2	4.65	67	<0.5
52712	0.001	0.07	2.02	6.9	<0.2	<10	240	0.15	0.11	0.21	0.06	12.9	12	39	2.26	23.8	3.06	8.1	0.09	<0.02	<0.01	0.021	0.93	6.4	29.9	1.11	365	1.08	0.07	0.17	26.3	570	3.3	42.8	0.001	0.27	0.05	7	0.6	0.5	13.5	<0.01	0.02	3.5	0.138	0.3	0.54	71	0.21	5.08	74	<0.5
52713	<0.001	0.07	2.36	2.1	<0.2	<10	290	0.18	0.12	0.61	0.07	11.1	13	44	2.86	33.5	3.41	8.4	0.08	<0.02	<0.01	0.022	1.25	5.6	31.2	1.15	428	0.92	0.07	0.22	31.1	620	2.7	54.4	0.001	0.31	<0.05	7.4	0.7	0.6	33	<0.01	0.03	3.5	0.188	0.35	0.39	77	0.25	5.03	78	<0.5
52714	<0.001	0.04	1.76	3.4	<0.2	<10	250	0.13	0.02	0.87	0.06	9.01	9.5	36	1.7	19.2	2.56	7.53	0.07	0.02	<0.01	0.021	0.91	4.6	24.1	0.94	406	0.91	0.06	0.24	19.7	460	2.7	35.9	0.001	0.49	<0.05	6.7	0.5	0.5	24.8	<0.01	0.01	2.1	0.162	0.24	0.4	65	0.25	5.11	61	<0.5
52715	<0.001	0.06	2.28	2.8	<0.2	<10	320	0.13	0.1	0.36	0.06	10.15	13	46	2.67	27.6	3.29	9.33	0.1	0.02	<0.01	0.026	1.28	5.1	31.4	1.22	480	0.97	0.09	0.22	28.8	640	2.5	52.3	0.001	0.25	<0.05	9.2	0.6	0.7	15.8	<0.01	0.02	2.9	0.204	0.32	0.37	87	0.28	5.9	74	<0.5
52716	<0.001	0.07	2.28	16.8	<0.2	<10	320	0.18	0.07	0.63	0.07	9.58	12.5	45	3.02	35.2	3.36	8.87	0.09	0.02	<0.01	0.021	1.28	4.8	30.4	1.17	449	0.98	0.08	0.23	28.2	630	2.9	53	0.001	0.28	0.05	8.3	0.7	0.6	15.7	0.01	0.03	2.9	0.205	0.35	0.44	85	0.24	6.4	73	<0.5
52717	0.001	0.05	1.92	13.8	<0.2	<10	290	0.13	0.06	1.09	0.06	10.55	10.1	36	2.12	15.3	2.65	7.86	0.08	0.02	<0.01	0.024	1.06	5.5	27	1.05	421	0.56	0.08	0.29	19.3	540	2.5	42.3	<0.001	0.26	<0.05	8	0.6	0.7	31.7	0.01	0.01	2.5	0.181	0.26	0.43	70	0.25	6.57	58	<0.5
52718	0.001	0.06	1.82	2.4	<0.2	<10	270	0.09	0.07	0.59	0.07	10.55	10.3	34	2.31	18	2.71	7.6	0.07	0.02	<0.01	0.021	1.2	5.5	24	0.99	401	0.58	0.07	0.22	19.4	530	2.2	49.7	<0.001	0.31	<0.05	7.1	0.6	0.7	13.3	<0.01	0.01	2.4	0.198	0.31	0.39	65	0.31	5.85	57	<0.5
52719	0.001	0.07	2.01	1.5	<0.2	<10	390	0.09	0.09	0.98	0.07	8.71	11.7	43	2.17	23	3.04	8.37	0.09	0.02	<0.01	0.026	1.3	4.5	26.8	1.13	455	0.91	0.08	0.19	22.7	590	2	48.8	0.001	0.32	<0.05	8.9	0.6	0.7	35.6	<0.01	0.02	2	0.22	0.3	0.32	86	0.46	5.96	64	<0.5
52720	0.001	0.11	2.25	2.1	<0.2	<10	480	0.07	0.08	0.61	0.06	8.94	12.9	51	2.38	22.7	3.29	9.36	0.12	<0.02	<0.01	0.031	1.44	4.6	30.2	1.25	446	0.8	0.1	0.18	26.1	610	1.5	52.3	0.001	0.27	<0.05	10.8	0.6	0.8	22.6	<0.01	0.02	2	0.243	0.31	0.27	98	0.7	5.42	70	<0.5
52721	0.001	0.09	2.17	23.9	<0.2	<10	330	0.13	0.08	1.34	0.1	8.79	12.2	46	2.03	20.2	3.08	8.48	0.09	0.02	<0.01	0.024	1.24	4.5	26.7	1.13	497	0.86	0.1	0.17	24.2	560	2.5	45.1	0.001	0.25	<0.05	8.4	0.7	0.7	41	<0.01	0.02	2.1	0.209	0.28	0.35	82	0.71	6.34	65	<0.5
52722	0.002	0.04	1.86	136.5	<0.2	<10	400	0.1	0.05	0.42	0.03	9.37	10.7	47	1.91	16.5	2.71	7.53	0.07	0.02	<0.01	0.025	1.17	4.9	25.4	1.03	381	0.83	0.06	0.22	19	480	2.6	43.1	<0.001	0.08	0.08	8.4	0.5	0.7	10.8	<0.01	0.02	2.4	0.225	0.26	0.34	76	0.24	5.68	56	<0.5
52723	0.004	0.03	2.04	63.7	<0.2	<10	330	0.1	0.03	1.03	0.05	8.36	11.8	42	1.98	11.2	3	8.91	0.09	0.02	<0.01	0.027	1.13	4.4	26.8	1.15	480	0.44	0.07	0.23	20.7	500	2.5	44	<0.001	0.07	0.06	8.6	0.4	0.7	25.9	<0.01	0.01	2.4	0.223	0.27	0.37	80	0.27	6.19	61	<0.5
52724	0.016	0.03	1.36	171	<0.2	<10	260	0.07	0.03	1.12	0.06	6.6	8.9	34	1.32	8.2	1.98	5.51	0.06	<0.02	<0.01	0.016	0.85	3.4	16.7	0.72	382	0.31	0.06	0.17	13.8	560	1.5	31.7	<0.001	0.07	0.08	6.1	0.4	0.4	32.5	<0.01	0.01	1.4	0.155	0.19	0.25	54	0.21	5.23	39	<0.5
52725	0.003	0.06	1.5	434	<0.2	<10	310	0.06	0.05	0.69	0.04	10.05	8.6	42	1.52	20.1	2.37	6.04	0.07	<0.02	<0.01	0.018	0.92	5.3	21.6	0.82	362	0.57	0.06	0.15	16.1	370	1.9	35.2	<0.001	0.15	0.09	7.8	0.5	0.5	17.1	<0.01	0.03	2.4	0.179	0.21	0.38	66	0.26	4.51	44	<0.5
ST 34	0.002	0.04	2.06	0.2	<0.2	<10	10	<0.05	0.01	1.15	0.04	3.22	18.4	126	<0.05	140	5.22	6.47	0.1	0.14	<0.01	0.008	0.01	1.4	1	0.93	288	0.15	0.26	0.08	43.4	250	0.2	0.4	0.001	0.03	<0.05	3.4	0.5	0.3	22.8	<0.01	0.03	<0.2	0.247	<0.02	<0.05	251	<0.05	5.24	30	3.8
52726	0.01	0.07	2.72	585	<0.2	<10	510	0.12	0.05	1.64	0.07	10.75	14.7	55	2.74	35.7	3.84	10.95	0.1	0.02	<0.01	0.032	1.48	5.6	35.5	1.52	626	0.44	0.09	0.18	28.7	1070	2.7	56.1	<0.001	0.23	0.12	11.3	0.6	0.8	33.8	<0.01	0.03	2	0.261	0.36	0.31	114	0.32	6.66	78	<0.5
52727	0.006	0.05	2.17	42.5	<0.2	<10	380	0.08	0.05	1.36	0.05	8.27	14.2	58	1.46	18.5	3.25	9.23	0.12	0.02	<0.01	0.032	0.96	4.2	29.8	1.37	475	0.46	0.06	0.18	24.2	620	1.9	31	<0.001	0.09	0.06	10.5	0.4	0.8	27.7	<0.01	0.01	2.3	0.196	0.18	0.27	104	0.33	6.12	64	<0.5
52728	0.001	0.05	2.33	16	<0.2	<10	540	0.08	0.06	0.95	0.06	6.3	14.9	59	1.79	19.2	3.26	9.48	0.12	<0.02	<0.01	0.032	1.42	3.3	31.1	1.37	470	0.5	0.08	0.16	25.4	700	1.4	43.4	<0.001	0.07	0.05	11.1	0.4	0.8	18.7	<0.01	0.01	1.8	0.244	0.26	0.18	110	0.22	5.59	64	<0.5
52729	0.001	0.04	2.18	7.2	<0.2	<10	470	0.11	0.02	0.77	0.06	8.02	12.5	52	2.3	13.5	2.99	8.58	0.1	0.02	<0.01	0.026	1.33	4.2	24.5	1.13	447	0.83	0.11	0.18	20.9	600	1.5	49.4	<0.001	0.13	<0.05	10.7	0.5	0.8	24.3	<0.01	0.01	1.8	0.24	0.31	0.24	94	0.25	5.31	66	<0.5
52730	0.001	0.04	2.33	14	<0.2	<10	530	0.11	0.04	1.1	0.06	7.48	13.8	49	2.31	14.5	3.17	9.85	0.11	<0.02	<0.01	0.033	1.4	3.9	30.1	1.25	486	0.41	0.09	0.2	23.1	590	1.9	51.3	<0.001	0.13	<0.05	11.2	0.4	0.9	52.3	<0.01	0.01	1.7	0.253	0.3	0.24	96	0.26	5.92	64	<0.5
52731	0.001	0.05	2.7	5.4	<0.2	<10	540	0.15	0.03	0.81	0.05	11.4	15.4	54	2.64	21.4	3.41	10.2	0.09	0.02	<0.01	0.031	1.51	6	34.1	1.35	547	0.6	0.11	0.28	26	700	2.1	57.3	0.001	0.17	<0.05	10.5	0.5	0.9	38.8	<0.01	0.02	2.6	0.249	0.36	0.35	99	0.65	5.67	75	<0.5
52732	0.001	0.09	2.57	2	<0.2	<10	450	0.11	0.13	0.44	0.05	14	16.5	64	2.87	35.4	3.65	10.05	0.1	0.02	<0.01	0.037	1.52	7.1	37.3	1.47	429	1.55	0.09	0.24	37.7	720	1.5	59	0.003	0.39	<0.05	11.5	0.7	0.9	39.8	<0.01	0.03	3	0.213	0.36	0.43	111	0.91	5.2	87	<0.5
52733	<0.001	0.1	2.68	87.4	<0.2	<10	380	0.14	0.17	0.65	0.06	15.1	16	60	3.82	33.2	3.97	9.26	0.1	<0.02	<0.01	0.03	1.53	7.6	34.1	1.33	441	0.76	0.07	0.25	37.4	700	2.7	68.1	0.001	0.33	0.09	9.4	0.7	0.7	22.8	<0.01	0.04	4	0.223	0.43	0.51	107	0.22	5.81	94	<0.5
52734	0.017	0.06	2.38	19.9	<0.2	<10	370	0.12	0.09	0.67	0.05	12.3	14.7	50	2.31	25.5	3.4	8.71	0.09	<0.02	<0.01	0.029	1.27	6.3	31.4	1.31	411	0.87	0.08	0.19	29.3	600	2.1	47.2	0.001	0.24	0.06	9.1	0.5	0.7	25.2	<0.01	0.02	3.1	0.188	0.29	0.4	88	0.19	5.36	75	<0.5
52735	0.016	0.06	2.08	11	<0.2	<10	290	0.19	0.07	1.25	0.07	11.4	10.5	33	1.59	14.7	2.65	7.6	0.07	<0.02	<0.01	0.021	1.03	6	26.1	0.99	490	0.45	0.1	0.26	18.3	470	3.5	35.7	<0.001	0.22	0.15	6.9	0.5	0.5	43	<0.01	0.01	2.5	0.17	0.24	0.45	59	0.23	5.6	56	<0.5
52736	0.182	0.07	2	772	0.2	<10	330	0.1	0.15	0.82	0.09	10.1	11.5	43	2.41	15.4	2.88	7.96	0.08	0.02	<0.01	0.024	1.18	5.3	28.3	1.03	465	1.13	0.08	0.2	21.9	500	2.5	45.4	0.001	0.15	0.15	8.6	0.6	0.8	25.4	<0.01	0.09	2.4	0.199	0.29	0.38	76	0.56	6.03	66	<0.5
52737	0.003	0.05	0.76	2.8	<0.2	<10	110	<0.05	0.01	0.81	0.02	5.66	4.2	6	0.73	26	1.24	3.34	0.06	0.02	<0.01	0.008	0.35	2.9	10.6	0.29	184	0.97	0.07	0.3	2.1	1440	1.1	17	<0.001	0.14	0.05	2.5	0.3	0.4	33.7	<0.01	0.01	1.1	0.101	0.09	0.18	16	0.21	3.87	26	<0.5
52738	0.003	0.1	2.65	2.1	<0.2	<10	400	0.11	0.04	1.26	0.04	6.36	14.6	3	3.81	62.1	4.63	14.5	0.18	0.03	<0.01	0.043	1.38	3.3	38.7	1.36	674	0.28	0.08	0.33	4.7	2110	1.2	57.9	<0.001	0.31	0.08	10.3	0.6	1	26.5	<0.01	0.04	1	0.313	0.39	0.25	66	0.43	4.49	114	<0.5
52739	0.001	0.07	0.98	4.2	<0.2	<10	80	0.14	0.03	1.75	0.05	6.63	5.1	6	0.84	47.5	1.66	4.92	0.06	0.02	<0.01	0.015	0.39	3.4	13.2	0.4	352	1.63	0.07	0.38	1.2	510	1.5	17.9	<0.001	0.16	0.05	3	0.3	0.4	28.9	0.01	0.02	1.2	0.11	0.1	0.22	20	0.55	3.54	34	<0.5
52740	<0.001	0.09	2.22	2.2	<0.2	<10	380	0.11	0.11	1.32	0.09	7.5	12.6	44	2.15	27.5	3.12	7.99	0.1	0.02	<0.01	0.022	1.3	3.7	25.9	1.12	480	1.26	0.1	0.24	22.5	570	1.9	48.3	0.001	0.46	0.07	6.8	0.5	0.6	123.5	<0.01	0.02	2.1	0.226	0.32	0.33	80	0.26	4.29	73	<0.5
52741	0.001	0.06	1.32	2.4	<0.2	<10	130	0.09	0.02	0.86	0.03	6.64	6.9	5	1.45	29.7	2.17	6.14	0.08	0.03	<0.01	0.012	0.69	3.4	16.9	0.52	280	0.42	0.09	0.32	1.3	660	0.9	28.8	<0.001	0.08	<0.05	3.4	0.3	0.3	18.4	<0.01	0.01	1.2	0.163	0.18	0.18	23	0.31	3.05	51	0.5
52742	<0.001	0.06	2.25	30.8	<0.2	<10	400	0.13	0.1	0.61	0.05	9.14	13.8	44	2.59	25.2	3.16	8.89	0.12	0.02	<0.01	0.023	1.34	4.5	32.2	1.21	518	1.05	0.09	0.25	23.5	620	1.5	52.4	0.002	0.26	0.05	8	0.5	0.7	34.4	<0.01	0.02	2.2	0.233	0.33	0.37	83	0.35	4.83	75	<0.5
52743	0.001	0.08	2.35	9.4	<0.2	<10	230	0.22	0.11	1.22	0.07	10.1	14.1	40	1.96	33.7	3.27	8.35	0.11	0.02	<0.01	0.023	0.75	5	30.5	1.26	452	0.81	0.08	0.21	26.9	740	3.3	33.7	0.001	0.21	0.06	6.3	0.5	0.5	43.7	<0.01	0.02	2.6	0.117	0.22	0.3	77	0.22	4.7	79	<0.5
52744	<0.001	0.14	3.02	4.6	<0.2	<10	280	0.3	0.2	0.76	0.07	16.05	18.7	80	2.59	61.7	4.14	8.39	0.14	0.02	<0.01	0.033	1.12	7.5	36	1.68	533	0.79	0.06	0.22	58.3	850	4.5	50.7	0.001	0.17	0.05	9.6	0.7	0.7	24.9	<0.01	0.04	3	0.153	0.3	0.41	109	0.37	4.87	58	<0.5
52745	0.001	0.13	2.76	6.8	<0.2	<10	360	0.2	0.22	0.76	0.04	12.15	16.8	85	2.83	49.9	3.72	7.83	0.14	0.03	<0.01	0.034	1.22	5.9	27.8	1.44	432	0.63	0.07	0.29	52.9	1020	2.7	59.8	0.001	0.3	<0.05	9.6	0.7	0.8	89.4	<0.01	0.05	2.3	0.162	0.34	0.36	113	0.2	4.22	35	0.5
ST 35	<0.001	0.08	5.56	<0.1	<0.2	<10	10	0.08	0.01	3.66	0.02	2.76	14.9	233	<0.05	78.1	11.05	7.55	0.25	0.09	0.01	0.011	0.03	0.8	2.1	1.14	205	0.07	0.38	0.23	115.5	200	0.2	0.4	<0.001	0.02	<0.05	5.3	0.3	0.4	76.3	<0.01	0.03	0.4	0.119	<0.02	<0.05	309	<0.05	3.3	16	3.4
52746	0.001	0.09	2.47	4	<0.2	<10	470	0.15	0.09	0.69	0.05	11	14.3	57	2.12	31.8	3.55	9.61	0.14	0.02	<0.01	0.032	1.26	5.5	38.2	1.37	448	0.86	0.11	0.42	26.6	740	3.4	48.7	0.001	0.36	0.06	10.4	0.6	0.8	34.6	0.01	0.02	2.3	0.212	0.28	0.33	105	0.59	5.01	77	<0.5
52747	0.001	0.07	2.43	7.4	<0.2	<10	470	0.13	0.08	0.64	0.05	8.36	14.4	57	1.72	28.9	3.36	9.71	0.17	0.02	<0.01	0.031	1.22	4.1	33.6	1.3	432	0.74	0.13	0.34	25.3	710	1.8	43.1	0.001	0.32	0.07	9.9	0.5	0.8	28.3	<0.01	0.02	2.1	0.211	0.25	0.27	105	0.29	4.71	75	<0.5
52748	0.011	0.07	2.48	4.6	<0.2	<10	350	0.16	0.08	1.11	0.06	9.93	14.5	52	1.51	26	3.46	9.33	0.13	0.02	<0.01	0.026	1.12	4.9	36.7	1.27	476	0.65	0.11	0.34	26.9	670	2.1	40.4	0.001	0.29	0.08	8.2	0.5	0.6	38.5	<0.01	0.02	2.6	0.196	0.25	0.36	90	0.33	5.31	77	<0.5
52749	0.007	0.07	2.53	10.2	<0.2	<10	490	0.14	0.08	0.66	0.04	9.52	16.3	61	1.94	31.3	3.6	10.25	0.15	0.02	0.01	0.031	1.48	4.6	38.2	1.38	471	0.57	0.13	0.31	29.3	750	1.2	52.9	0.001	0.24	<0.05	10.4	0.6	0.8	27	<0.01	0.02	1.9	0.257	0.31	0.29	115	0.44	5.35	84	<0.5
52750	0.033	0.19	3	1.6	0.3	<10	340	0.12	0.05	0.94	0.05	8.32	23.2	53	2.26	52.4	4.7	10.8	0.15	0.02	<0.01	0.035	1.79	4.2	46.2	1.49	471	7.42	0.09	0.45	39.1	1330	1.4	57.7	0.003	0.52	<0.05	11.6	0.6	0.8	25.3	<0.01	0.04	2	0.278	0.41	0.24	113	0.63	6.95	118	<0.5
52751	0.008	0.23	4.01	2	<0.2	<10	190	0.32	0.08	4.07	0.15	3.97	38.4	42	2.16	100	5.76	11.55	0.17	0.03	0.11	0.036	1.53	2.3	39.1	1.08	677	7.46	0.26	0.66	59.2	3390	1.4	47.1	0.01	1.26	0.05	16.7	1	1	145.5	0.01	0.08	0.4	0.272	0.36	0.07	124	94.6	9.18	128	0.5
52752	0.008	0.05	2.4	0.6	<0.2	<10	110	0.19	0.01	3.29	0.09	3.99	27.4	25	2.69	66	3.96	8.72	0.21	0.05	0.01	0.029	1.06	1.8	39.9	1.21	662	0.27	0.18	0.36	47.1	2510	0.3	36.8	<0.001	0.06	0.06	12.9	0.5	0.6	49.6	0.01	0.01	0.2	0.252	0.26	0.05	113	0.53	9.63	93	0.8
52753	0.018	0.07	2.9	7.6	<0.2	<10	100	0.24	0.01	3.25	0.34	4.2	27.8	57	2.65	71.1	4.23	9.37	0.23	0.05	0.01	0.032	0.99	2	47.8	1.45	617	0.88	0.2	0.37	56.9	2070	0.9	32.5	0.001	0.05	0.13	13.1	0.5	0.5	60.1	0.01	0.01	0.2	0.266	0.28	0.05	113	1.66	7.97	115	0.9
52754	0.003	0.13	3.45	13.1	<0.2	<10	40	0.26	0.03	3.17	0.07	3.47	26.6	148	1.09	106.5	3.74	8.9	0.19	0.06	<0.01	0.03	0.33	1.4	46.8	2.25	446	0.11	0.19	0.22	89.9	1780	0.7	13.7	<0.001	0.11	0.15	12.2	0.5	0.3	102.5	0.01	0.01	<0.2	0.199	0.14	<0.05	104	0.56	8.04	76	1
ST 36	0.001	0.04	5.67	<0.1	<0.2	<10	10	0.09	<0.01	3.99	0.01	3.95	13.4	228	<0.05	5.6	8.69	7.62	0.21	0.1	<0.01	0.014	0.04	1.4	1.6	1.22	210	0.07	0.43	0.2	98.2	710	0.3	0.3	<0.001	0.02	<0.05	6	0.3	0.4	80.6	<0.01	0.03	0.4	0.112	<0.02	<0.05	245	<0.05	4.32	14	3.8

VA11101001 - Finalized
CLIENT : "MILBAVE - Mill Bay Ventures"
# of SAMPLES : 24
DATE RECEIVED : 2011-06-08 DATE FINALIZED : 2011-06-26
PROJECT : " "
CERTIFICATE COMMENTS : ""
PO NUMBER : " "

	Au-SCR24	Au-SCR24	Au-SCR24	Au-SCR24	Au-SCR24	Au-SCR24	Au-AA26	Au-AA26D
SAMPLE	Au Total (+)(-) Com	Au (+) Fraction	Au (-) Fraction	Au (+) mg	WT. + Frac Entire	WT. - Frac Entire	Au	Au
DESCRIPTION	ppm	ppm	ppm	mg	g	g	ppm	ppm
52724	<0.05	<0.05	<0.05	<0.001	51.67	920.5	0.02	0.02
52725	<0.05	<0.05	<0.05	<0.001	48.4	1083	0.01	<0.01
52726	<0.05	<0.05	<0.05	<0.001	61.55	1001	<0.01	<0.01
52736	0.25	0.4	0.25	0.025	62.7	997.8	0.25	0.24
52750	<0.05	<0.05	<0.05	<0.001	59.37	996.5	0.01	0.01
52751	<0.05	<0.05	<0.05	<0.001	38.99	1024	0.01	<0.01

Valentine Mountain Project Drill Core Log and Sample Record

Date/Target:	**April, 2011 / Discovery Zone**							**Acid Tests:**	**Hole Number:**	**11-6**	
Location:	**UTM NAD83 Zone 10N 434575E 5374121N 823 m. elevation uncorrected**							**none**	**Collar Azimuth:**	**0**	
Total Length:	**720 feet = 219.46 metres**								**Collar Dip:**	**-60**	

Sample No	FROM ft	TO ft	WIDTH ft	Description
52673	3	5	2	8% qtz 0.1-5 cm @50-65 degrees to ca, 2% diss & frac fill py, pyo, tr limonite
52674	5	9.5	4.5	4% qtz 0.1-1 cm @50-65 degrees to ca, 1% diss & frac fill py, tr limonite
52675	9.5	11.3	1.8	10% qtz 0.1-3 cm @50-60 degrees to ca, 2% diss & frac fill py,pyo, tr limonite
52676	11.3	17	5.7	2% qtz 0.1-1 cm @50-55 degrees to ca, 1% diss & frac fill py, tr limonite
52677	17	21	4	4% qtz 0.1-1 cm @45-55 degrees to ca, 1% diss & frac fill py, pyo, tr limonite, broken grd 17-18.4
52678	28.6	31.3	2.7	4% qtz 0.1-1 cm @45-55 degrees to ca, 1% diss & frac fill py, pyo, tr limonite
52679	31.3	33.2	1.9	18% qtz 0.1-5 cm @55-60 degrees to ca, 2% diss & frac fill py, pyo, tr limonite
52680	33.2	38	4.8	8% qtz 0.1-8 cm @45-60 degrees to ca, 2% diss & frac fill py, pyo, tr limonite, broken grd 35-36
52681	38	42	4	2% qtz 0.1-1 cm @50-55 degrees to ca, 1% diss & frac fill py, tr limonite
52682	42	46.3	4.3	4% qtz 0.1-1 cm @50-55 degrees to ca, 1% diss & frac fill py, tr limonite
52683	46.3	48.9	2.6	10% qtz 0.1-2 cm @50-55 degrees to ca, 2% diss & frac fill py, tr limonite
52684	48.9	50	1.1	20% qtz 0.1-9 cm @45-55 degrees to ca, 3% diss & frac fill py, tr limonite
52685	50	54.5	4.5	4% qtz 0.1-1 cm @40-55 degrees to ca, 1% diss & frac fill py, pyo
52686	54.5	57.8	3.3	12% qtz 0.1-4 cm @20-55 degrees to ca, 2% diss & frac fill py, pyo
52687	57.8	64	6.2	2% qtz 0.1-1 cm @45-55 degrees to ca, 1% diss & frac fill py, pyo
52688	64	69	5	2% qtz 0.1-1 cm @45-55 degrees to ca, 1% diss & frac fill py, pyo
52689	69	74	5	2% qtz 0.1-1 cm @45-55 degrees to ca, 1% diss & frac fill py, pyo
52690	74	79	5	2% qtz 0.1-1 cm @45-55 degrees to ca, 1% diss & frac fill py, pyo
52691	79	81.8	2.8	7% qtz 0.1-3 cm @45-55 degrees to ca, 2% diss & frac fill py, pyo
52692	81.8	87	5.2	2% qtz 0.1-1 cm @45-55 degrees to ca, 1% diss & frac fill py, pyo
52693	87	92	5	2% qtz 0.1-1 cm @45-55 degrees to ca, 1% diss & frac fill py, pyo
52694	92	97	5	2% qtz 0.1-1 cm @45-55 degrees to ca, 1% diss & frac fill py, pyo
52695	97	102	5	2% qtz 0.1-1 cm @45-55 degrees to ca, 1% diss & frac fill py, pyo
52696	102	105.2	3.2	7% qtz 0.1-3 cm @45-55 degrees to ca, 2% diss & frac fill py, pyo
52697	153.7	157.5	3.8	2% qtz 0.1-1 cm @45-65 degrees to ca, 1% diss & frac fill py, pyo
52698	157.5	160	2.5	14% qtz 0.1-4 cm @45-65 degrees to ca, minor laminated qtz, 2% diss & frac fill py, pyo
52699	160	164	4	2% qtz 0.1-1 cm @45-65 degrees to ca, 1% diss & frac fill py, pyo
52700	164	168	4	2% qtz 0.1-1 cm @45-65 degrees to ca, 1% diss & frac fill py, pyo
52701	168	173.5	5.5	2% qtz 0.1-1 cm @45-65 degrees to ca, 1% diss & frac fill py, pyo
52702	188	189.5	1.5	8% qtz 0.1-4 cm @45-60 degrees to ca, 2% diss & frac fill py, pyo
52703	189.5	193.5	4	2% qtz 0.1-1 cm @45-60 degrees to ca, 1% diss & frac fill py, pyo
52704	193.5	199	5.5	2% qtz 0.1-1 cm @25-60 degrees to ca, 1% diss & frac fill py, pyo
52705	199	203.3	4.3	2% qtz 0.1-1 cm @45-60 degrees to ca, 1% diss & frac fill py, pyo, broken grd 200-201.6
52706	203.3	206.9	3.6	3% qtz 0.1-1 cm @55-70 degrees to ca, 1% diss & frac fill py, pyo, diorite dyke/sill
52707	206.9	210	3.1	3% qtz 0.1-1 cm @55-70 degrees to ca, 1% diss & frac fill py, pyo, diorite dyke/sill
52708	210	213.2	3.2	3% qtz 0.1-1 cm @55-70 degrees to ca, 1% diss & frac fill py, pyo, diorite dyke/sill
52709	213.2	218.8	5.6	3% qtz 0.1-1 cm @55-70 degrees to ca, 1% diss & frac fill py, pyo
52710	218.8	223	4.2	2% qtz 0.1-1 cm @45-60 degrees to ca, 1% diss & frac fill py, pyo, fault zone 80% rec, tr graphite
52711	223	228.7	5.7	2% qtz 0.1-1 cm @45-60 degrees to ca, 1% diss & frac fill py, pyo, fault zone 80% rec, tr graphite
52712	228.7	234.5	5.8	2% qtz 0.1-1 cm @45-60 degrees to ca, 1% diss & frac fill py, pyo, fault zone 80% rec, tr graphite
52713	234.5	238.2	3.7	12% qtz 0.1-1 cm @50-60 degrees to ca, 2% diss & frac fill py, pyo, broken grd 235-235.6
52714	238.2	241.8	3.6	20% qtz 0.1-4 cm @55-65 degrees to ca, 3% diss & frac fill py, pyo
52715	241.8	248	6.2	4% qtz 0.1-1 cm @45-60 degrees to ca, 1% diss & frac fill py, pyo
52716	248	252.2	4.2	6% qtz 0.1-1 cm @45-60 degrees to ca, 2% diss & frac fill py, pyo
52717	252.2	256.3	4.1	2% qtz 0.1-1 cm @45-60 degrees to ca, 1% diss & frac fill py, pyo
52718	256.3	260.5	4.2	2% qtz 0.1-1 cm @45-60 degrees to ca, 1% diss & frac fill py, pyo
52719	260.5	265.9	5.4	2% qtz 0.1-1 cm @45-60 degrees to ca, 1% diss & frac fill py, pyo
52720	265.9	272	6.1	2% qtz 0.1-2 cm @45-60 degrees to ca, 1% diss & frac fill py, pyo
52721	272	276.5	4.5	6% qtz 0.1-7 cm @35-70 degrees to ca, 2% diss & frac fill py, pyo
52722	310	315	5	3% qtz 0.1-1 cm @45-60 degrees to ca, 1% diss & frac fill py, pyo, broken grd 310-311
52723	315	320	5	18% qtz 0.1-8 cm @20-60 degrees to ca, 2% diss & frac fill py, pyo,
52724	320	323	3	15% qtz 0.1-13 cm @35-65 degrees to ca, 2% diss & frac fill py, pyo
52725	323	326.7	3.7	35% qtz 0.1-22 cm @55-80 degrees to ca, 3% diss & frac fill py, pyo, broken grd 323-324
52726	326.7	328.9	2.2	15% qtz 0.1-6 cm @45-60 degrees to ca, minor laminated qtz, 3% diss & frac fill py, pyo
52727	328.9	333.2	4.3	2% qtz 0.1-1 cm @50-60 degrees to ca, 1% diss & frac fill py, pyo, bleached & chloritic 330.2-332
52728	333.2	338.5	5.3	2% qtz 0.1-1 cm @50-60 degrees to ca, 1% diss & frac fill py, pyo
52729	367.5	370	2.5	10% qtz 0.1-4 cm @35-50 degrees to ca, 2% diss & frac fill py, pyo
52730	370	375	5	4% qtz 0.1-2 cm @45-60 degrees to ca, 1% diss & frac fill py, pyo
52731	375	380	5	6% qtz 0.1-3 cm @45-60 degrees to ca, 1% diss & frac fill py, pyo
52732	380	385.5	5.5	2% qtz 0.1-1 cm @45-60 degrees to ca, 1% diss & frac fill py, pyo
52733	404	409.2	5.2	3% qtz 0.1-1 cm @50-60 degrees to ca, 1% diss & frac fill py, pyo
52734	436	440	4	7% qtz 0.1-4 cm @45-60 degrees to ca, 1% diss & frac fill py, pyo
52735	440	443.3	3.3	5% qtz 0.1-1 cm @45-60 degrees to ca, 1% diss & frac fill py, pyo
52736	458	463	5	5% qtz 0.1-7 cm @40-60 degrees to ca, 1% diss & frac fill py, pyo, broken grd 458-458.4, dior dyke/sill contact at 463
52737	487.5	488.9	1.4	75% qtz 0.1-18 cm @35-60 degrees to ca, 1% diss & frac fill py, pyo, at dior dyke/sill contact
52738	497.5	498.7	1.2	30% qtz 0.1-12 cm @30-60 degrees to ca, 1% diss & frac fill py, pyo, dior dyke/sill hosted, minor laminated qtz veining
52739	514.8	517	2.2	10% qtz 0.1-4 cm @45-60 degrees to ca, minor breccia texture, 1% diss & frac fill py, pyo, diorite dyke/sill hosted
52740	535	538.8	3.8	4% qtz 0.1-1 cm @50-65 degrees to ca, 1% diss & frac fill py, pyo
52741	560	564.7	4.7	2% qtz 0.1-1 cm @45-60 degrees to ca, 1% diss & frac fill py, pyo
52742	564.7	570	5.3	2% qtz 0.1-1 cm @45-60 degrees to ca, 1% diss & frac fill py, pyo
52743	570	575	5	2% qtz 0.1-1 cm @45-60 degrees to ca, 1% diss & frac fill py, pyo, broken grd 571-573
52744	575	580	5	2% qtz 0.1-1 cm @45-60 degrees to ca, 1% diss & frac fill py, pyo, broken grd, fault with 3% clay at 578-579.6
52745	580	585.5	5.5	2% qtz 0.1-1 cm @45-60 degrees to ca, 1% diss & frac fill py, pyo
52746	625.2	631.3	6.1	3% qtz 0.1-3 cm @55-70 degrees to ca, 1% diss & frac fill py, pyo, minor clay alt, weak sericite-chl
52747	631.3	637.2	5.9	3% qtz 0.1-3 cm @55-70 degrees to ca, 1% diss & frac fill py, pyo, minor clay alt, weak sericite-chl
52748	637.2	644.5	7.3	3% qtz 0.1-3 cm @55-70 degrees to ca, 1% diss & frac fill py, pyo
52749	644.5	650	5.5	3% qtz 0.1-3 cm @55-70 degrees to ca, 1% diss & frac fill py, pyo
52750	650	653.5	3.5	3% qtz 0.1-3 cm @55-70 degrees to ca, 1% diss & frac fill py, pyo
52751	653.5	657	3.5	3% qtz 0.1-3 cm @55-70 degrees to ca, 1% diss & frac fill py, pyo, at amphibolite-schist contact
52752	657	662.5	5.5	3% qtz 0.1-3 cm @55-70 degrees to ca, 1% diss & frac fill py, pyo
52753	662.5	668	5.5	3% qtz 0.1-3 cm @55-70 degrees to ca, 1% diss & frac fill py, pyo
52754	679.5	684.3	4.8	3% qtz 0.1-3 cm @55-70 degrees to ca, 1% diss & frac fill py, pyo

Appendix 3

2010 Geotechnical Evaluation of Tailings Dam

Thurber Engineering Ltd.

November 30, 2010

November 30, 2010 File: 19-5858-0

Mill Bay Ventures Inc.
400 – 455 Granville Street
Vancouver, B.C.
V6C 1T1

Attention: Mr. William Glasier, President

VALENTINE MOUNTAIN PROPERTY
PRELIMINARY GEOTECHNICAL EVALUATION OF TAILINGS DAM

Dear Mr. Glasier:

1. INTRODUCTION

As requested, this letter presents the results of a site inspection of the existing tailings facility located on the Valentine Mountain property north of Sooke, B.C. The scope of work for this assignment was outlined in our proposal letter dated October 27, 2010. Written authorization to proceed with the inspection was received on November 4, 2010.

The scope of work included a site visit by a professional engineer to conduct a visual inspection of the embankment. Following the visit we were to review any background information provided on the facility, including design drawings, construction records, and any pertinent operations/surveillance records. Following this review, Thurber would prepare a brief letter providing preliminary recommendations for additional investigation and/or repairs of the facility, if deemed warranted. The inspection and subsequent report was to focus on the identified embankment slump, and would not constitute a formal dam safety review as defined by the Ministry of Environment.

This letter is subject to the attached Statement of General Conditions.

2. THURBER SITE INSPECTION

Jay McIntyre, P.Eng. of Thurber Engineering Ltd. (Thurber) conducted the site inspection on November 16, 2010 along with yourself and others including Messrs Jacques Houle, Robert Beaupre and Andris Kikauka. The weather was overcast and cool at the time of the inspection, although it had rained the previous day.

The following observations were made during the reconnaissance:

- The reservoir was observed to have approximately 1.1 m of freeboard.
- The spillway (excavated into rock beyond the east abutment) was observed to be flowing. A log and some vegetation was observed in the entrance to the spillway. Vegetation and a length of perforated "Big-O" flexible piping was observed in the spillway channel.
- The crest and side slopes of the embankment are heavily vegetated with fir, alder and Scotch Broom. Trees exceeding 6 m height and butt diameters up to 150 mm were noted. The vegetation greatly impeded the inspection of the facility.
- The dam crest varies in width from approximately 5.5 to 6 m. The downstream slope was estimated at approximately 37° to 40°, with occasional steeper sections approaching 45°.
- The exposed portion of the upstream slope was estimated to have a gradient of approximately 30°.
- A slump was observed at the downstream crest near the east abutment. The scarp starts about 10 m away from the east abutment and extends roughly 17 m to the west. It appears that a vertical displacement of up to 600 mm has occurred, and a crack in the rock fill up to 200 mm wide ? was observed.
- The slope length at the scarp location was measured to be approximately 6 m and this equates to an embankment height of about 4.5 m.
- Near the centre of the embankment, the slope length was measured at 13.8 m and this equates to height of approximately 9 m.
- A former logging road runs along the toe of the embankment. No seepage was observed exiting the downstream face of the dam. Nor was any seepage observed in the ditch between the road and the toe of the embankment.
- An apparent opening in the rip rap was observed at the downstream toe of the dam, and this may be the location of a reported clean-out cap, that connects to a "sub-drain" system. The cap was not visible, but the cavity was stuffed with insulation.

Selected photographs are attached for your reference.

3. DOCUMENT REVIEW

Following the site inspection, the following information was provided by Mr. Houle:

- July 17, 2002 letter from Ministry of Energy and Mines titled: "RE: Proposed Amendment of Permit MX-8-21 – Valentine Mountain, Jordan River Area"
- December 23, 2003 letter report from Jacques Whitford titled: "Initial Geotechnical Assessment; Tailings Pond, Valentine Mine, Valentine Mountain Au Deposit, Sooke, BC"
- January 12, 2004 letter report from Jacques Whitford titled: "Decommissioning and Reclamation Plan; Tailings Pond, Valentine Mine, Valentine Mountain Au Deposit, Sooke, BC"

In addition to the above, several photographs were provided by Mr. Beaupre showing the tailings dam both during construction in 1987 and reportedly in 2004. Several of these images are attached for your reference.

Thurber has contacted the Ministry of Natural Resource Operations (formerly the Ministry of Mines and Petroleum Resources) to inquire about the availability of construction records for the tailings facility. We understand the ministry has a report titled "Tailings Impoundment Construction Report, Valentine Mountain Project" dated 1987. Thurber has not reviewed the above noted report; however, we understand that Jacques Whitford Environment Limited (JWEL) carried out a review of this report as part of their 2003 geotechnical assessment.

The above noted reports by JWEL were apparently prepared in response to the July 2002 letter from MEM. Prior to authorizing the extraction and processing of a 3,000 tonne sample, the letter required that a geotechnical assessment of the tailings impoundment be prepared by a qualified Professional Engineer and submitted for review by the Chief Inspector. The letter also specified that the assessment should include an acceptable plan for decommissioning and final reclamation of the tailings pond.

The report by JWEL provides a summary of information pertaining to the tailings facility including the original field investigation work, the stability analyses / design criteria, construction materials data, embankment construction summary and details regarding installed instrumentation. The letter also provides a summary of observations made during a site reconnaissance on April 3, 2003. During this inspection, a slump/scarp was observed on the downstream face of the dam near the east embankment.

The following pertinent information was obtained from the December 2003 JWEL report:

- The slump on the downstream slope was present during their April 2003 site reconnaissance.
- The dam was constructed between August and November 1987.
- The design called for a minimum of 1.0 m of freeboard.
- For the stability analyses, the value of the seismic coefficient was selected as 0.1g, which would have been consistent with a 1 in 100 year event.
- The embankment is constructed to two materials. A gravelly, silty sand till material was used in the upstream zone and blast rock was used in the downstream zone. These two materials are separated by a geotextile filter.
- The spillway was constructed by blasting a channel in the bedrock beyond the east abutment.
- The embankment foundation was either bedrock or till (used to in-fill local depressions on the rock surface).
- The till-like soils were compacted in lifts to a target density of 95% of

Modified Proctor Maximum Dry Density (MPMDD). JWEL's review of the compaction data indicates the contractor generally achieved this compaction level.

- The upstream and downstream slopes were both designed to be 1.7H to 1V (30.5°). However, the downstream slope was apparently constructed steeper than this.
- The dam crest was designed to be 4 m wide, but was constructed closer to 6 m wide. The maximum embankment height is approximately 9 m.
- A sub-drain system is present within the dam at the deepest section. The upstream portion was reportedly installed parallel to the upstream toe of the embankment and consists of a 100 mm diameter geotextile-wrapped perforated 'Big-O' pipe. This perforated pipe is connected to a solid section of ABS pipe that passes through the embankment and day-lights at the downstream toe. The downstream end is plugged with a threaded clean-out cap to facilitate sampling of seepage water. The sub-drain pipe was wrapped with a geotextile filter fabric with the intention of preventing the migration of fines along the pipe-soil interface.
- Installed instrumentation included two standpipe piezometers at the foundation level of the downstream rip rap zone and a steel-cased piezometer within the embankment at the upstream (till) zone. Three settlement monuments were also installed on the upstream crest of the embankment. Apart from the baseline readings of the settlement monuments, JWEL was unable to find any other monitoring data, including any piezometer data.

The JWEL report recommended that additional work be carried out to evaluate the stability of the tailings impoundment. The report identifies the seismic coefficient assumed by the designer as one of the key reasons for the proposed "re-evaluation". Additionally, the December 2003 report recommends that a review of any monitoring data be carried out. If this data were not available, it was recommended that new sets of data be collected to assist with the recommended stability assessment. The report states that one of the objectives of the assessment would be to try and evaluate the nature and cause of the cracking observed during the April 2003 site reconnaissance.

4. PRELIMINARY ASSESSMENT AND RECOMMENDATIONS

The primary objective of Thurber's current assignment was to make an inspection of the embankment, evaluate the magnitude of the slump observed on the downstream slope and provide preliminary recommendations for additional investigation work and/or repairs to the facility, if deemed appropriate. The following comments and preliminary recommendations are provided.

- The embankment slopes are steeper than would be normally recommended for an facility of this type, and based on the JWEL report they were constructed steeper than the design called for.
- The slump occurred prior to April 2003 near the east abutment where the embankment is not at full height. The triggering mechanism is unclear, although it appears the downstream slope may be slightly steeper in this area than elsewhere on the dam. It is possible the contractor did not achieve the same level of compaction at the edges of the embankment. This would have been the case if rock fill was pushed loosely over the edge of the crest.
- Although impossible to confirm, the slump may possibly have been triggered by ground motions from the Nisqually Earthquake of February 28, 2001. This magnitude 6.8 earthquake, with an epicenter of 120 km southeast of Victoria, was felt in the Victoria area and caused minor damage at some locations.
- The slump appears to be relatively shallow, and likely does not significantly impact the global stability of the embankment at present. However, continued movements could be detrimental to embankment stability and it is anticipated that some modification of the embankment geometry (e.g., flattening of the downstream slope) will be required.
- As noted in the JWEL report, the seismic coefficient used for the original stability analysis for the embankment was 0.1 g and corresponded to the 1 in 100 year at that time. The seismic code has changed several times since the dam was constructed, and the current code would require that the 1 in 2475 year event be used for the analysis. This would correspond to a peak ground acceleration of 0.51g for the subject site. The impacts of the revised seismic loading on the dam stability needs to be evaluated. Therefore, we are in agreement with the JWEL report which recommends an updated slope stability assessment be conducted.
- In order to provide the most accurate indication of the current embankment stability, and to better predict the dam's performance during an earthquake, the phreatic levels within and below the embankment are needed. We therefore recommend that any existing instrumentation data be utilized for the proposed stability assessment. If such data is unavailable, we recommend that new data sets be collected.
- We also recommend that the existing trees and scotch broom be removed from the crest and embankment slopes. The removed vegetation should be placed well away from the embankment. In addition to making it difficult to properly inspect the facility, the tree roots tend to penetrate the embankment, and can ultimately travel through the embankment thus becoming convenient pathways for seepage. Care should be taken when removing the vegetation not to damage any existing standpipes or survey monuments. If the original instruments cannot be located or have been damaged, new instrumentation will likely be required.
- It is noted that the dam utilizes a geosynthetic filter between the upstream till zone and the downstream rock fill zone. Although the appeal of a geosynthetic filter can be understood given the remote location of the facility,

geotextile filters are generally not favoured in dam design, particularly when the geotextile completely replaces the granular filter (i.e., rather than reducing the thickness of the granular filter zone). Additionally, the presence of a seepage collection system that apparently passes through the upstream till zone into the downstream rock fill zone is concerning, as this pipe would be a convenient flow path that could promote internal erosion of the embankment. Given these design features, a monitoring and surveillance schedule should be established and maintained, to ensure the facility continues to perform as expected.

5. FURTHER WORK

We anticipate the following work will be required. We understand the timeline of the tasks will depend somewhat on the development plans for the resource.

- The site is now inaccessible until the spring. As soon as weather permits the embankment should be cleared of vegetation as described above. Vegetation and any logs or debris should also be removed from the spillway entrance and spillway channel.
- Any instrumentation readings collected since construction should be collated and forwarded to the geotechnical consultant for review. New readings may be required depending on the available records. It is anticipated an updated GPS elevation survey of the embankment and monuments will be required.
- A detailed review of the construction report is required. The Ministry of Natural Resource Operations (MNRO) has a copy at their Victoria office. This information would be used to develop typical design sections and estimate the material strength properties for the stability analysis.
- Conduct the stability analysis, focusing on a number of loading cases including seismic loading.
- Develop a decommissioning and reclamation plan as required by MNRO.

The above assumes there is sufficient as-built information and monitoring data to carry out a representative analysis of the embankment. If not, additional data would need to be collected.

If required, we can prepare a proposal and cost estimate to conduct the recommended work.

We trust this inspection report is satisfactory. Please call if you have any questions or wish to discuss this letter.

Yours truly,
Thurber Engineering Ltd.
Stephen Bean, P.Eng.
Review Principal

Jay McIntyre, P.Eng.
Project Engineer

Attachment

THURBER ENGINEERING LTD.

STATEMENT OF GENERAL CONDITIONS

1. STANDARD OF CARE

This study and Report have been prepared in accordance with generally accepted engineering or environmental consulting practices in this area. No other warranty, expressed or implied, is made.

2. COMPLETE REPORT

All documents, records, data and files, whether electronic or otherwise, generated as part of this assignment are a part of the Report which is of a summary nature and is not intended to stand alone without reference to the instructions given to us by the Client, communications between us and the Client, and to any other reports, writings, proposals or documents prepared by us for the Client relative to the specific site described herein, all of which constitute the Report.

IN ORDER TO PROPERLY UNDERSTAND THE SUGGESTIONS, RECOMMENDATIONS AND OPINIONS EXPRESSED HEREIN, REFERENCE MUST BE MADE TO THE WHOLE OF THE REPORT. WE CANNOT BE RESPONSIBLE FOR USE BY ANY PARTY OF PORTIONS OF THE REPORT WITHOUT REFERENCE TO THE WHOLE REPORT.

3. BASIS OF REPORT

The Report has been prepared for the specific site, development, design objectives and purposes that were described to us by the Client. The applicability and reliability of any of the findings, recommendations, suggestions, or opinions expressed in the document, subject to the limitations provided herein, are only valid to the extent that this Report expressly addresses proposed development, design objectives and purposes, and then only to the extent there has been no material alteration to or variation from any of the said descriptions provided to us unless we are specifically requested by the Client to review and revise the Report in light of such alteration or variation or to consider such representations, information and instructions.

4. USE OF THE REPORT

The information and opinions expressed in the Report, or any document forming part of the Report, are for the sole benefit of the Client. NO OTHER PARTY MAY USE OR RELY UPON THE REPORT OR ANY PORTION THEREOF WITHOUT OUR WRITTEN CONSENT AND SUCH USE SHALL BE ON SUCH TERMS AND CONDITIONS AS WE MAY EXPRESSLY APPROVE. The contents of the Report remain our copyright property. The Client may not give, lend or, sell the Report, or otherwise make the Report, or any portion thereof, available to any person without our prior written permission. Any use which a third party makes of the Report, are the sole responsibility of such third parties. Unless expressly permitted by us, no person other than the Client is entitled to rely on this Report. We accept no responsibility whatsoever for damages suffered by any third party resulting from use of the Report without our express written permission.

5. INTERPRETATION OF THE REPORT

a) Nature and Exactness of Soil and Contaminant Description: Classification and identification of soils, rocks, geological units, contaminant materials and quantities have been based on investigations performed in accordance with the standards set out in Paragraph 1. Classification and identification of these factors are judgmental in nature. Comprehensive sampling and testing programs implemented with the appropriate equipment by experienced personnel, may fail to locate some conditions. All investigations utilizing the standards of Paragraph 1 will involve an inherent risk that some conditions will not be detected and all documents or records summarizing such investigations will be based on assumptions of what exists between the actual points sampled. Actual conditions may vary significantly between the points investigated and the Client and all other persons making use of such documents or records with our express written consent should be aware of this risk and this report is delivered on the express condition that such risk is accepted by the Client and such other persons. Some conditions are subject to change over time and those making use of the Report should be aware of this possibility and understand that the Report only presents the conditions at the sampled points at the time of sampling. Where special concerns exist, or the Client has special considerations or requirements, the Client should disclose them so that additional or special investigations may be undertaken which would not otherwise be within the scope of investigations made for the purposes of the Report.

b) Reliance on Provided Information: The evaluation and conclusions contained in the Report have been prepared on the basis of conditions in evidence at the time of site inspections and on the basis of information provided to us. We have relied in good faith upon representations, information and instructions provided by the Client and others concerning the site. Accordingly, we cannot accept responsibility for any deficiency, misstatement or inaccuracy contained in the Report as a result of misstatements, omissions, misrepresentations, or fraudulent acts of the Client or other persons providing information relied on by us. We are entitled to rely on such representations, information and instructions and are not required to carry out investigations to determine the truth or accuracy of such representations, information and instructions.

(see over . . . .)

INTERPRETATION OF THE REPORT *(continued . . . .)*

c) Design Services: The Report may form part of the design and construction documents for information purposes even though it may have been issued prior to the final design being completed. We should be retained to review the final design, project plans and documents prior to construction to confirm that they are consistent with the intent of the Report. Any differences that may exist between the report recommendations and the final design detailed in the contract documents should be reported to us immediately so that we can address potential conflicts.

d) Construction Services: During construction we must be retained to provide field reviews. Field reviews consist of performing sufficient and timely observations of encountered conditions to confirm and document that the site conditions do not materially differ from those interpreted conditions considered in the preparation of the report. Adequate field reviews are necessary for Thurber to provide letters of assurance, in accordance with the requirements of many regulatory authorities.

6. RISK LIMITATION

Geotechnical engineering and environmental consulting projects often have the potential to encounter pollutants or hazardous substances and the potential to cause an accidental release of those substances. In consideration of the provision of the services by us, which are for the Client's benefit, the Client agrees to hold harmless and to indemnify and defend us and our directors, officers, servants, agents, employees, workmen and contractors (hereinafter referred to as the "Company") from and against any and all claims, losses, damages, demands, disputes, liability and legal investigative costs of defence, whether for personal injury including death, or any other loss whatsoever, regardless of any action or omission on the part of the Company, that result from an accidental release of pollutants or hazardous substances occurring as a result of carrying out this Project. This indemnification shall extend to all Claims brought or threatened against the Company under any federal or provincial statute as a result of conducting work on this Project. In addition to the above indemnification, the Client further agrees not to bring any claims against the Company in connection with any of the aforementioned causes.

7. SERVICES OF SUBCONSULTANTS AND CONTRACTORS

The conduct of engineering and environmental studies frequently requires hiring the services of individuals and companies with special expertise and/or services which we do not provide. We may arrange the hiring of these services as a convenience to our Clients. As these services are for the Client’s benefit, the Client agrees to hold the Company harmless and to indemnify and defend us from and against all claims arising through such hirings to the extent that the Client would incur had he hired those services directly. This includes responsibility for payment for services rendered and pursuit of damages for errors, omissions or negligence by those parties in carrying out their work. In particular, these conditions apply to the use of drilling, excavation and laboratory testing services.

8. CONTROL OF WORK AND JOBSITE SAFETY

We are responsible only for the activities of our employees on the jobsite. The presence of our personnel on the site shall not be construed in any way to relieve the Client or any contractors on site from their responsibilities for site safety. The Client acknowledges that he, his representatives, contractors or others retain control of the site and that we never occupy a position of control of the site. The Client undertakes to inform us of all hazardous conditions, or other relevant conditions of which the Client is aware. The Client also recognizes that our activities may uncover previously unknown hazardous conditions or materials and that such a discovery may result in the necessity to undertake emergency procedures to protect our employees as well as the public at large and the environment in general. These procedures may well involve additional costs outside of any budgets previously agreed to. The Client agrees to pay us for any expenses incurred as the result of such discoveries and to compensate us through payment of additional fees and expenses for time spent by us to deal with the consequences of such discoveries. The Client also acknowledges that in some cases the discovery of hazardous conditions and materials will require that certain regulatory bodies be informed and the Client agrees that notification to such bodies by us will not be a cause of action or dispute.

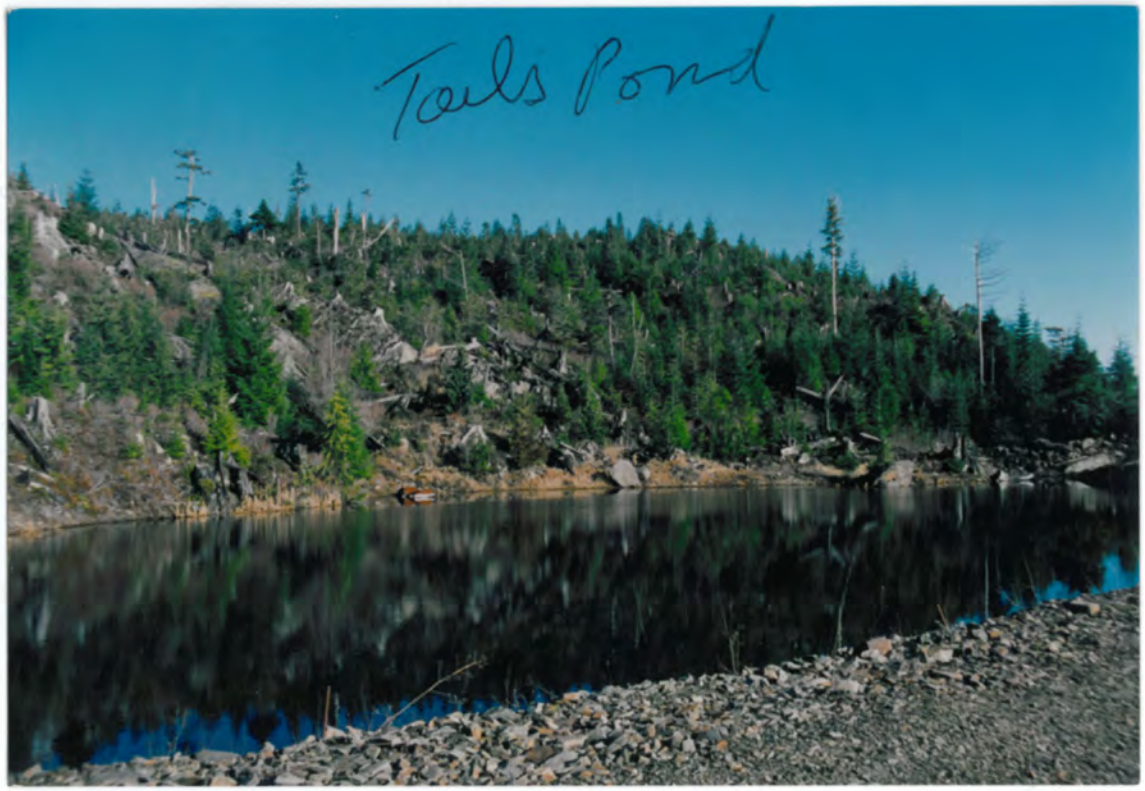
9. INDEPENDENT JUDGEMENTS OF CLIENT

The information, interpretations and conclusions in the Report are based on our interpretation of conditions revealed through limited investigation conducted within a defined scope of services. We cannot accept responsibility for independent conclusions, interpretations, interpolations and/or decisions of the Client, or others who may come into possession of the Report, or any part thereof, which may be based on information contained in the Report. This restriction of liability includes but is not limited to decisions made to develop, purchase or sell land.

TAILINGS POND CONSTRUCTION - 1987
LOOKING EAST
VALENTINE MOUNTAIN PROPERTY NEAR SOOKE, BC

TAILINGS POND CONSTRUCTION - 1987
LOOKING SOUTH
VALENTINE MOUNTAIN PROPERTY - NEAR SOOKE, BC

TAILINGS POND - DATED 1994 ON BACK OF PHOTO



UNDATED PHOTO OF TAILINGS POND

Photo 1: Looking east at vegetation along crest of dam (Nov. 16, 2010).

Photo 2: Looking west at downstream slope of embankment (Nov. 16, 2010).

Photo 3: Looking northeast at vegetation and flexible pipe at entrance of spillway.

Photo 4: Looking east along downstream crest at failure scarp (Nov. 16, 2010).

Photo 5: Looking up at embankment from toe. Note exposed rock fill that has migrated down slope and collected at base (Nov. 16, 2010).

Photo 6: Apparent opening in rip rap at base of embankment where suspected seepage monitoring port is located (Nov. 16, 2010).

2005 National Building Code Seismic Hazard Calculation

INFORMATION: Eastern Canada English (613) 995-5548 français (613) 995-0600 Facsimile (613) 992-8836
Western Canada English (250) 363-6500 Facsimile (250) 363-6565

Requested by: J. McIntyre, P.Eng., Thurber Engineering November 30, 2010

Site Coordinates: 48.5159 North 123.8891 West

User File Reference: Valentine Mountain

National Building Code ground motions:
2% probability of exceedance in 50 years (0.000404 per annum)

Sa(0.2)	Sa(0.5)	Sa(1.0)	Sa(2.0)	PGA (g)
1.041	**0.721**	**0.358**	**0.179**	**0.508**

Notes. Spectral and peak hazard values are determined for firm ground (NBCC 2005 soil class C - average shear wave velocity 360-750 m/s). Median (50th percentile) values are given in units of g. 5% damped spectral acceleration (Sa(T), where T is the period in seconds) and peak ground acceleration (PGA) values are tabulated. Only 2 significant figures are to be used. ***These values have been interpolated from a 10 km spaced grid of points. Depending on the gradient of the nearby points, values at this location calculated directly from the hazard program may vary. More than 95 percent of interpolated values are within 2 percent of the calculated values.*** Warning: You are in a region which would be affected by the ground motion from a Cascadia subduction event. The interpolator includes consideration of the deterministic ground motions from Cascadia for 0.0021, 0.001 and 0.000404 per annum probabilities, but not for 0.01 per annum.

Ground motions for other probabilities:

Probability of exceedance per annum	0.010	0.0021	0.001
Probability of exceedance in 50 years	40%	10%	5%
Sa(0.2)	0.263	0.559	0.755
Sa(0.5)	0.175	0.379	0.512
Sa(1.0)	0.085	0.186	0.252
Sa(2.0)	0.040	0.090	0.124
PGA	0.133	0.277	0.370

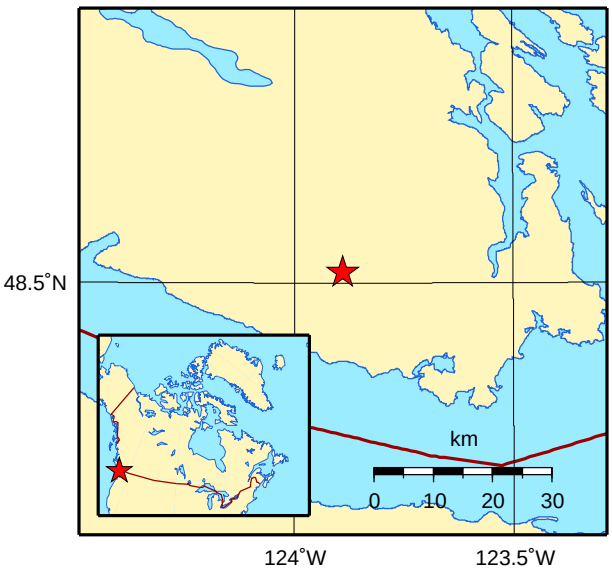
References

National Building Code of Canada 2005 NRCC no. 47666; sections 4.1.8, 9.20.1.2, 9.23.10.2, 9.31.6.2, and 6.2.1.3
Appendix C: Climatic Information for Building Design in Canada - table in Appendix C starting on page C-11 of Division B, volume 2

User's Guide - NBC 2005, Structural Commentaries NRCC no. 48192
Commentary J: Design for Seismic Effects

Geological Survey of Canada Open File xxxx
Fourth generation seismic hazard maps of Canada: Grid values to be used with the 2005 National Building Code of Canada (in preparation)

See the websites *www.EarthquakesCanada.ca* and *www.nationalcodes.ca* for more information



Aussi disponible en français

Appendix 4

2010 Remote Sensing Report

Auracle Geospatial Science Ltd.

March 10, 2010

ASSESSMENT WORK REPORT on the:

VALENTINE MOUNTAIN PROJECT

Radarsat 2 and Multispectral Image data
Remote Sensing Fusion GIS Integration and Modelling

Victoria Mining Division, B.C.
NTS Map Sheet 092B12W
BCGS Map Sheet 092B.051

Latitude 48º30´ North
Longitude -123º55' West
UTM Zone 10 5375000N 433500E

Associated ARIS #s:
6298; 6598; 6844; 8678; 9050; 10110; 11398; 12642; 14640; 14691; 15509; 16409; 16818; 17259; 17381; 17949; 17950; 17998; 18813; 18827; 18900; 18901; 18955; 19358; 19359; 19362; 20100; 22683; 24345; 24431; 25024; 25243; 25244; 25245; 25577; 25806; 26183; 26517; 26774; 27107; 27360; 27726; 30402

Associated Minfile #s:
Valentine Mountain 092B 108; Leech River 092B102; Jordan River 092B109 BPEX 092B 075; PEG 092B111

For

Mill Bay Ventures Inc.
By

AURACLE
Geospatial Science Inc.
325 Dorset Road
Qualicum Beach B.C.
V9K 1H5
March 10, 2010

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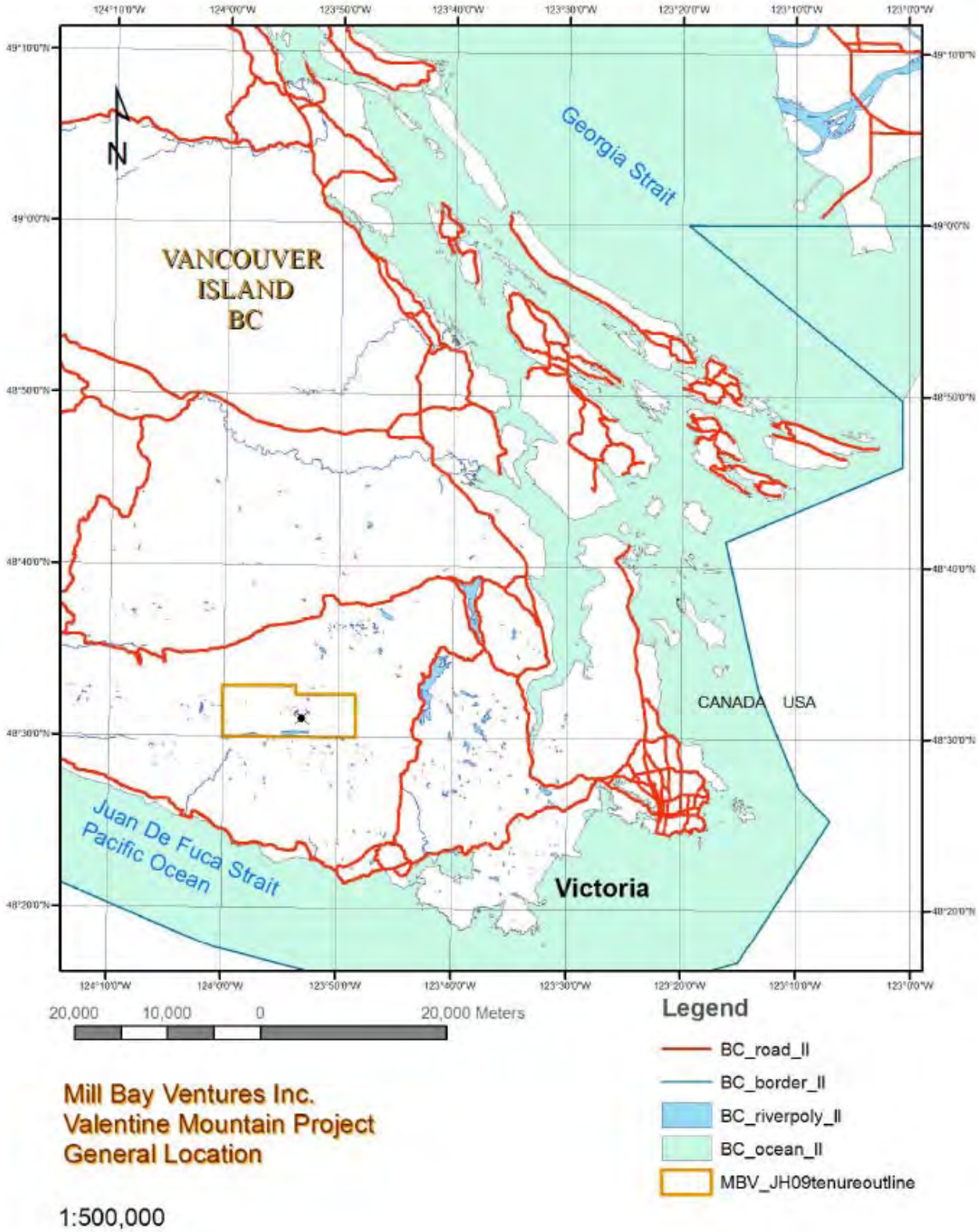


Mill Bay Ventures Inc.
Valentine Mountain Project
General Location

1:500,000

Summary

In late 2009 Auracle Geospatial Science Inc. was asked by Mill Bay Ventures Inc. to undertake a program of Remote Sensing and Geospatial Integration of existing archival data on their Valentine Mountain Gold Exploration Project. The work consisted of gathering all available maps, files, and digital data, and acquiring remote sensing data. Hard copy data was scanned, digital data integrated, and remote sensing data processed together with publicly available geographic and geoscience data in preparation for data integration, fusion and analyses. The result of these analyses is a Special Decision Support model. The purpose of the model is to exploit new remote sensing data, and optimize existing archived data in an environment which can increase spatial accuracies and disclose mathematic and visual relationships previously undetected.

Radarsat-2 data a new product of MacDonald Detwiler and Associates and the Canadian Space Agency was acquired for the Valentine Mountain target area.

Radarsat-2 Synthetic Aperture C-Band Microwave Radar image data was fused with ASTER multispectral data and analyzed for textural and spectral signals which correlate to the mineralization established within the Valentine Mountain Mineral Occurrences.

Work conducted during this project using Radarsat 2 data in fusion analysis has disclosed buried linear structures that may be important vectors in the development of Valentine Mountain. The alignment of spatial data has also detected correlations between spatial distributions of Gold and Arsenic and the linear structures disclosed.

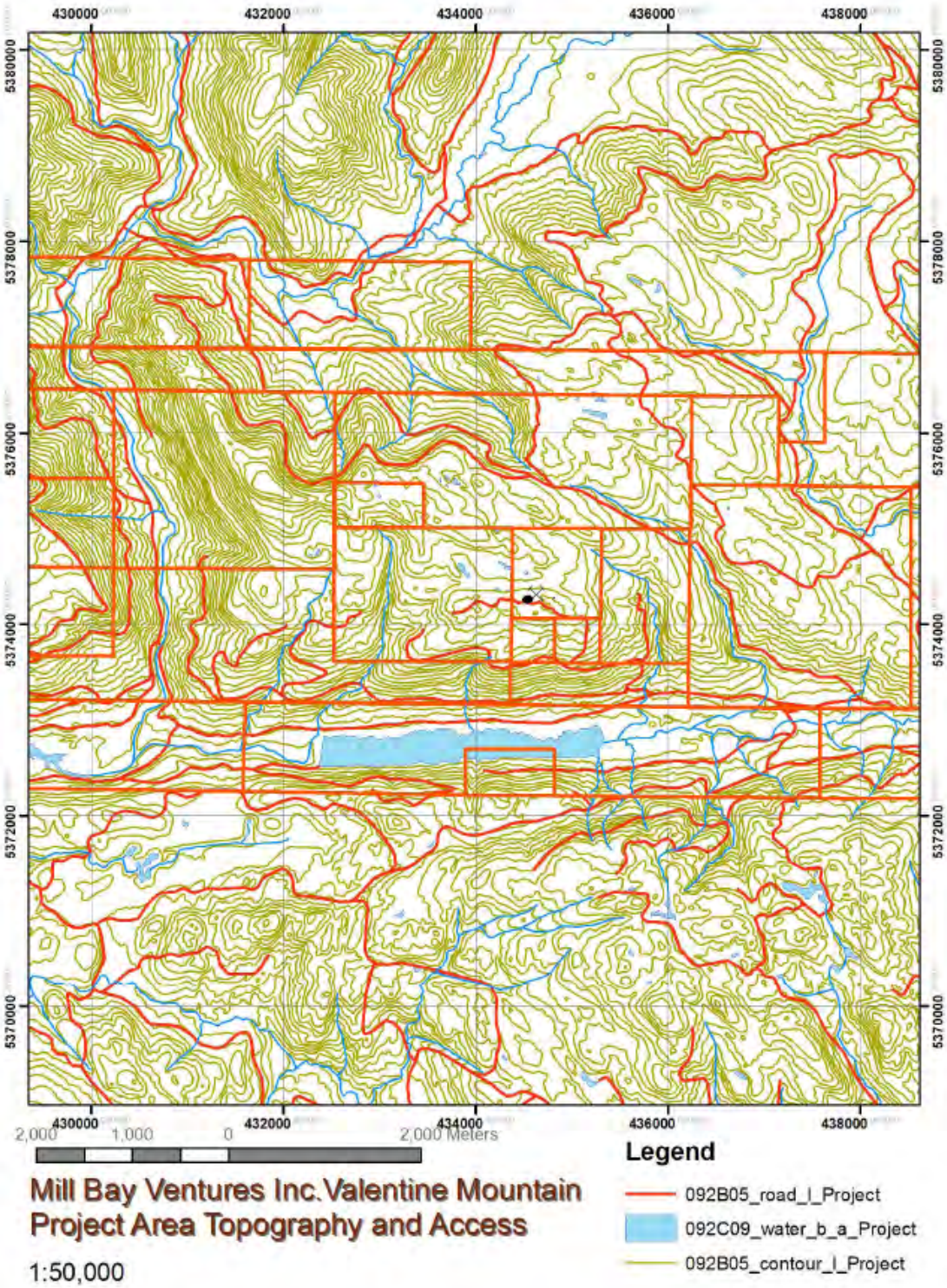
Location and Physiography

Valentine Mountain is located on the South West portion of the Vancouver Island Insular Mountains of the Pacific Rim Terrain along its southern contact with the Crescent Terrain. Valentine Mountain proper lies 14.4 kilometres north east of the coast. This is an area of steep rugged terrain overlain by one to five metres of Fraser Ice Age remnant glacial tills.

Climatically, this is a regional of coastal temperate rainforest. Precipitation is recorded at 3600 mm per annum at Port Renfrew BC, with snow accumulating in the higher elevations during winter months Dominant tree species include second-growth Douglas fir, Red and Yellow Cedar, and Hemlock which are harvested for their timber values. Recent Logging has exposed rock outcrops. Ground Cover is dense salal, and salt water huck. Elevations range from 400 metres to 1020 metres with deeply incised streams and rivers providing an abundance of fresh water contained in lakes at both low and high elevations. There is a BC Hydro water reservoir within the property boundary.

Transportation is via a network of all weather logging roads which access most of the tenure.

Figure 1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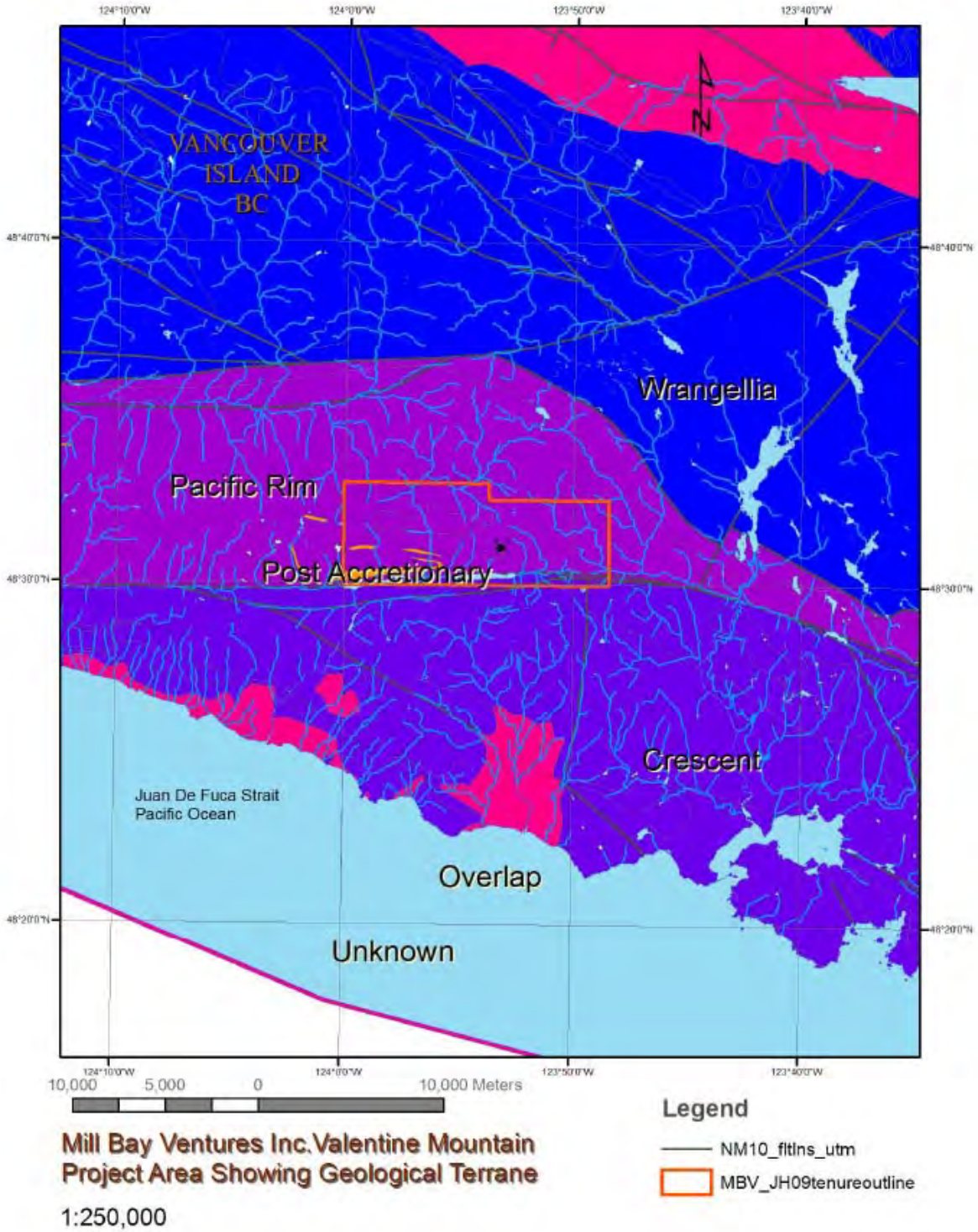
2,000 Meters
Legend
092B05_road_l_Project
092C09_water_b_a_Project
092B05_contour_l_Project
Mill Bay Ventures Inc.Valentine Mountain
Project Area Topography and Access
1:50,000

Figure2


124°10'0"W
124°0'0"W
123°50'0"W
123°40'0"W
48°40'0"N
48°30'0"N
48°20'0"N
VANCOUVER
ISLAND
BC
N
Wrangellia
Pacific Rim
Post Accretionary
Crescent
Juan De Fuca Strait
Pacific Ocean
Overlap
Unknown
10,000
5,000
0
10,000 Meters
Legend
NM10_fltlns_utm
MBV_JH09tenureoutline
Mill Bay Ventures Inc.Valentine Mountain
Project Area Showing Geological Terrane
1:250,000

Valentine Mountain Property Status (figure location 100m)
The Valentine Mountain Project includes 7188 Hectares of following BC Mineral Property:

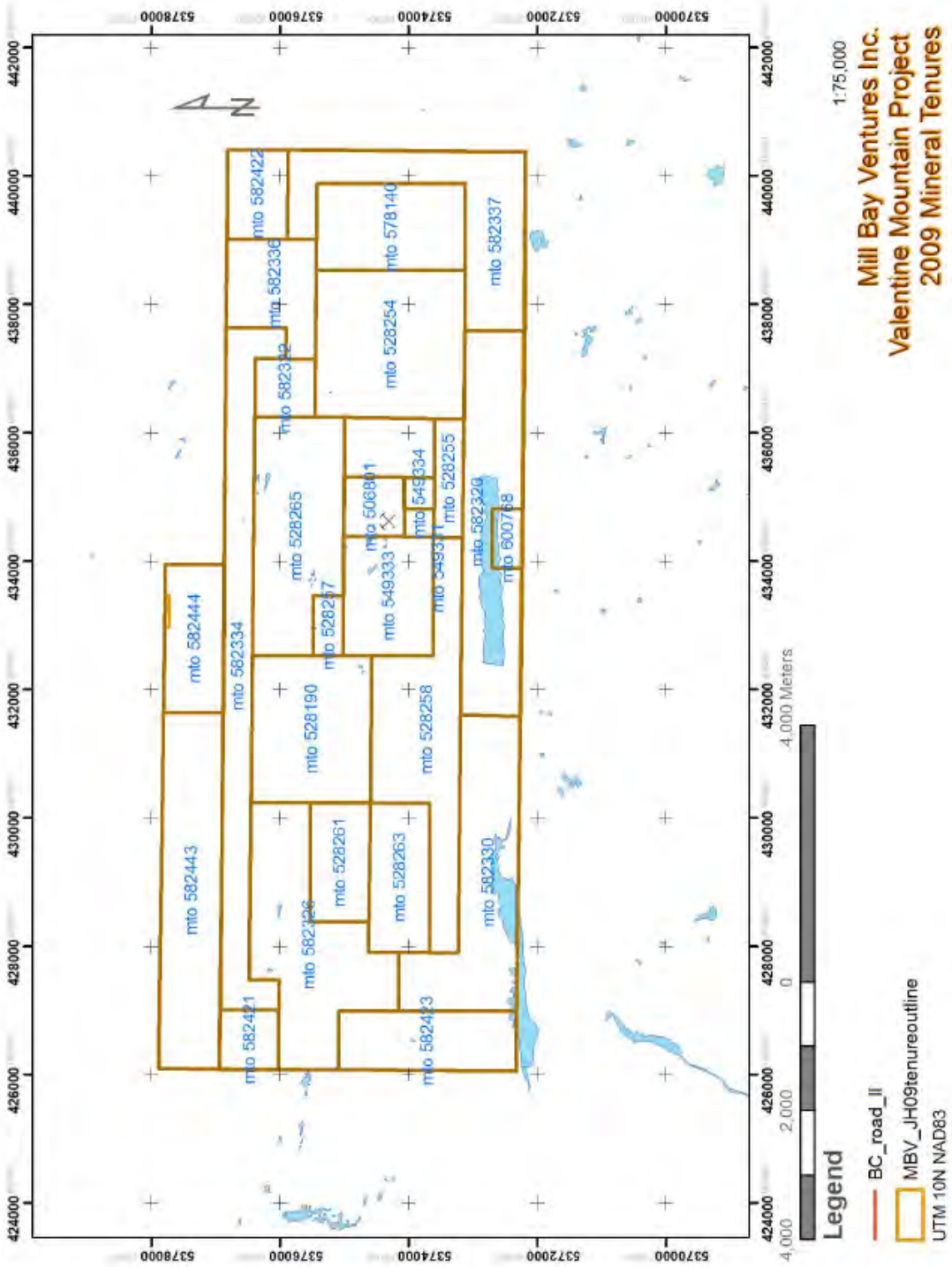
Tenure #	Owner	Tenure Type	Issue Date	Good To Date	Status	Area (ha)
506801	108020 (100%)	Mineral	2005/feb/11	2013/jun/14	GOOD	85.578
528190	108020 (100%)	Mineral	2006/feb/13	2013/jun/14	GOOD	427.813
528254	108020 (100%)	Mineral	2006/feb/14	2011/jun/14	GOOD	534.88
528255	108020 (100%)	Mineral	2006/feb/14	2011/jun/14	GOOD	85.596
528257	108020 (100%)	Mineral	2006/feb/15	2011/jun/14	GOOD	42.784
528258	108020 (100%)	Mineral	2006/feb/15	2011/jun/14	GOOD	513.539
528261	108020 (100%)	Mineral	2006/feb/15	2013/jun/14	GOOD	171.139
528263	108020 (100%)	Mineral	2006/feb/15	2011/jun/14	GOOD	213.958
528265	108020 (100%)	Mineral	2006/feb/15	2011/jun/14	GOOD	470.578
549331	108020 (100%)	Mineral	2007/jan/14	2011/jun/14	GOOD	21.3972
549333	108020 (100%)	Mineral	2007/jan/14	2013/jun/14	GOOD	256.7454
549334	108020 (100%)	Mineral	2007/jan/14	2011/jun/14	GOOD	21.3973
578140	108020 (100%)	Mineral	2008/mar/08	2011/jun/14	GOOD	320.903
582320	108020 (100%)	Mineral	2008/apr/22	2011/jun/14	GOOD	513.6383
582322	108020 (100%)	Mineral	2008/apr/22	2011/jun/14	GOOD	85.5568
582326	108020 (100%)	Mineral	2008/apr/22	2011/jun/14	GOOD	534.7649
582330	108020 (100%)	Mineral	2008/apr/22	2011/jun/14	GOOD	513.61
582334	108020 (100%)	Mineral	2008/apr/22	2011/jun/14	GOOD	534.6637
582336	108020 (100%)	Mineral	2008/apr/22	2011/jun/14	GOOD	213.8772
582337	108020 (100%)	Mineral	2008/apr/22	2011/jun/14	GOOD	427.931
582421	108020 (100%)	Mineral	2008/apr/22	2011/jun/14	GOOD	85.5492
582422	108020 (100%)	Mineral	2008/apr/22	2011/jun/14	GOOD	128.313
582423	108020 (100%)	Mineral	2008/apr/22	2011/jun/14	GOOD	256.7717
582443	108020 (100%)	Mineral	2008/apr/22	2011/jun/14	GOOD	513.2111
582444	108020 (100%)	Mineral	2008/apr/22	2011/jun/14	GOOD	213.8374
						7188.0322

In addition Mill bay Ventures holds 2 placer tenures within the Valentine Mountain Project Area:

Tenure#	Owner	Tenure Type	Issue Date	Good To Date	Status	Area (ha)
575069	108020 (100%)	Placer	2008/jan/31	2012/apr/07	GOOD	21.3955
575070	108020 (100%)	Placer	2008/jan/31	2012/apr/07	GOOD	21.3955

The Above Valentine Mountain Project Mineral and Placer tenures are 100% owned by Mill Bay Ventures Inc. (BC Corporate FMC# 108020). All listed tenures are currently in good standing.

Figure 3



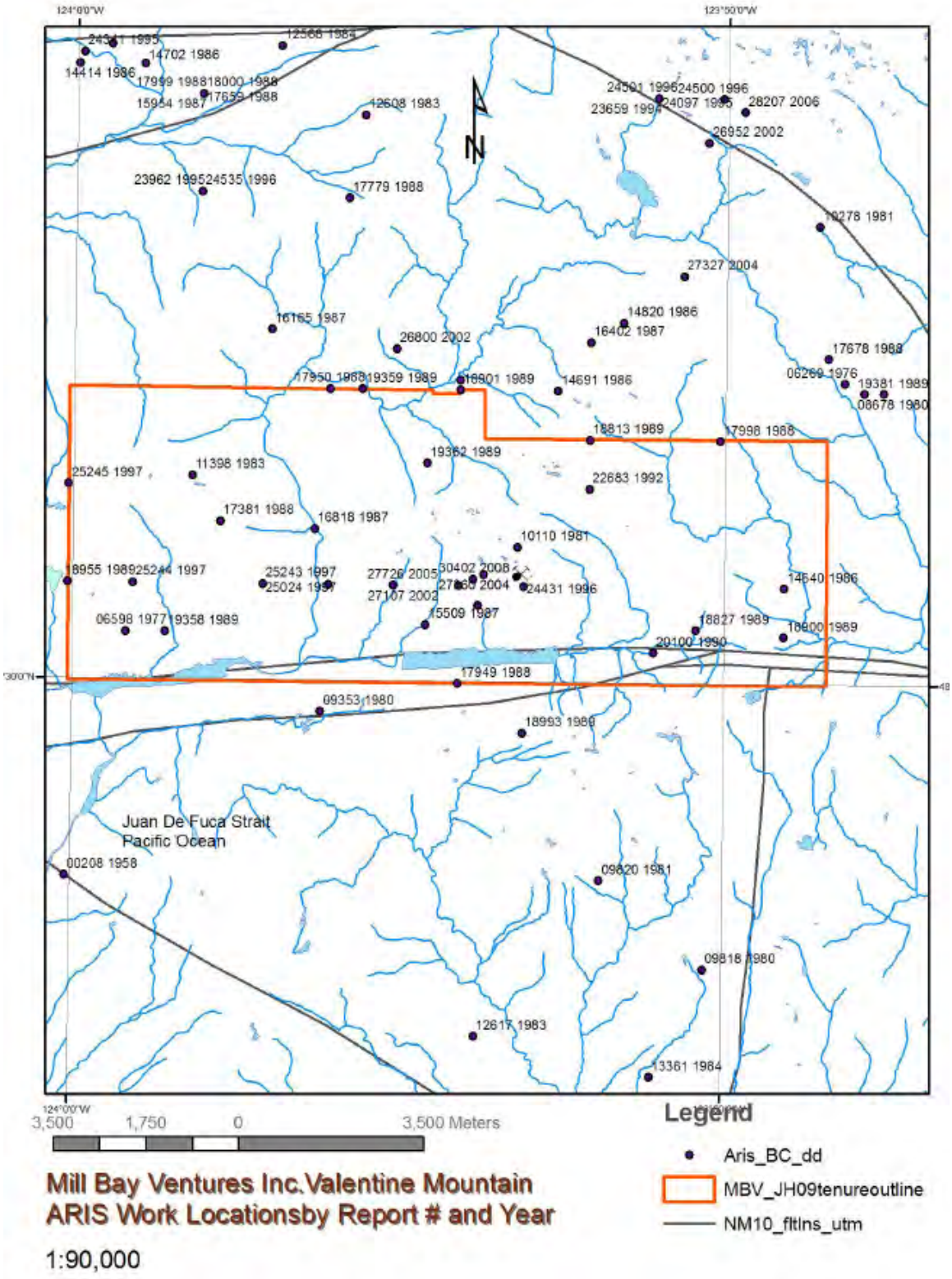
Valentine Mountain Mineral Tenure Map

Previous Work

Forty five Reports have been filed for assessment value for work within the area covered by the Valentine Mountain Claim Group since 1976. These Assessment Reports are reflected in the BC Geological Survey's ARIS file as shown below:

Report_No	Year	Title	Author	Operator
6298	1976	Prospectin	Beau Pre Explorations L	Beau Pre Explorations Ltd.
6598	1977	Prospectin	Beau Pre Explorations L	Beau Pre Explorations Ltd.
6844	1978	Prospectin	Beau Pre Explorations L	Beau Pre Explorations Ltd.
8678	1980		Mark, David G.	Boitard, Charles
9050	1980		Noel, G.A.	Beau Pre Explorations Ltd.
10110	1981		Grove, Edward W.	Beau Pre Explorations Ltd.
11398	1983		Simpson, R.G.	Walkinshaw, C.
12642	1983		Grove, Edward W.	Beau Pre Explorations Ltd.
14199	1985		Shandler, F.	Shandler, F.
14640	1986		Shandler, F.	Shandler, F.
14691	1986		Johnson, E.; Flitton, C.	Johnson, E.
15509	1987	*	Peatfield, Giles R.	Beau Pre Explorations Ltd.
16409	1987	*	Peart, P.	Valentine Gold Corp.
16818	1987	Geochemic	Demczuk, Leszek (the E	Valentine Gold Corp.
17259	1988	Bear Creek	Mazacek, P.	Valentine Gold Corp.
17381	1988	Geological	Mazacek, P.	Valentine Gold Corp.
17949	1988	Geological,	Mazacek, P.	Valentine Gold Corp.
17950	1988	Geological,	Mazacek, P.	16165
17998	1988	Geophysic	Milwarde-Yates, Dev	Milwarde-Yates, Dev
18813	1989	Geophysic	Milwarde-Yates, Dev	Milwarde-Yates, Dev
18827	1989	Geological	Allen, G.J.	Beau Pre Explorations Ltd.; Valentine Gold Co
18900	1989	Geological	Wilson, Robert G.; Bull,	Noranda Mining and Exploration Inc.
18901	1989	Geological	Wilson, Robert G.; Bull,	Noranda Mining and Exploration Inc.
18955	1989	Geological	Bull, D.R.	Noranda Mining and Exploration Inc.
19358	1989	Geological	McIntyre, T.J.	Noranda Mining and Exploration Inc.
19359	1989	Geological	Wilson, Robert G.; McIn	Noranda Mining and Exploration Inc.
19362	1989	Drilling Re	Wilson, Robert G.; McC	Noranda Mining and Exploration Inc.
20100	1990	Geological	Grove, Edward W.	Beau Pre Explorations Ltd.
22683	1992	Geological	Grove, Edward W.	Beau Pre Explorations Ltd.
24345	1996	Physical W	Faulkner, Reginald L.	Beau Pre Explorations Ltd.
24431	1996	Geological	Faulkner, Reginald L.	Beaupre, Robert
25024	1997	Geological	Kikauka, Andris	Beaupre, Robert
25243	1997	Geological	Kikauka, Andris	Beau Pre Explorations Ltd.
25244	1997	Geological	Kikauka, Andris	Beau Pre Explorations Ltd.
25245	1997	Geological	Kikauka, Andris	Beau Pre Explorations Ltd.
25577	1998	Geological	Kikauka, Andris	Applied Mine Technologies Inc
25806	1998	Assessmer	Burgoyne, A.A.	Beau Pre Explorations Ltd.
26183	2000	Diamond D	Burgoyne, A.A.	Beau Pre Explorations Ltd.
26517	2001	Geological,	Kikauka, Andris	Beau Pre Explorations Ltd.
26774	2002	Geological,	Kikauka, Andris	Beau Pre Explorations Ltd.
27107	2002	Geological	Kikauka, Andris	Beaupre Explorations Ltd.
27360	2004	Baseline E	Houle, Jacques	Beau Pre Explorations Ltd.
27726	2005	Geological	Kikauka, Andris	Beaupre Explorations Ltd.
30402	2008	Geochemic	Houle, Jacques	Mill Bay Ventures Inc.

Figure 4



124°0'0"W
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24535 1996
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27327 2004
14820 1986
16402 1987
16165 1987
26800 2002
17678 1988
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17998 1988
19362 1989
25245 1997
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22683 1992
17381 1988
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18955 1989
25244 1997
25243 1997
25024 1997
27726 2005
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14640 1986
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19358 1989
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Juan De Fuca Strait
Pacific Ocean
00208 1958
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09818 1980
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3,500 Meters
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Aris_BC_dd
MBV_JH09tenureoutline
NM10_fltlns_utm
Mill Bay Ventures Inc.Valentine Mountain
ARIS Work Locationsby Report # and Year
1:90,000

Regional Geology and Minfile Property History (Integrated Geology Map appendix i and Integrated Geophysics Interpretations appendix ii)
Valentine Mountain Geology (Extract from BC Minfile 092B051)

The Valentine Mountain occurrence lies within the Jurassic to Cretaceous Leech River Complex (Formation), a fault-bounded block of metamorphosed pelitic, arenaceous and volcanic rocks. The complex lies north of the Leech River fault, south of which lie the tholeiitic basalts of the Eocene Metchosin Volcanics and coeval intrusive rock of the Sooke Gabbro. To the north, across the San Juan fault, are the various volcanic and sedimentary packages of the Sicker, Vancouver and Bonanza groups, and their related intrusive rocks. To the east, across the Survey Mountain fault, are the Paleozoic and Mesozoic rocks comprising the Colquitz and Wark gneisses.

The rocks of the Leech River Complex have been metamorphosed to low-pressure greenschist and amphibolite assemblages, and display evidence of two regional deformational events. The prospect is underlain by a refolded sequence of metasedimentary rocks with at least two volcanic units, now represented by amphibolite. The dominant structural feature is a gently eastward-plunging anticlinal structure.

The rocks are dominantly metasandstone and metapelites, the latter represented by various types of schist, ranging from biotite- chlorite through garnet-chlorite to andalusite-staurolite-biotite, plus or minus garnet. The volcanic rocks are either represented by chlorite-epidote (or zoisite) -actinolite-albite or hornblende- epidote-quartz-plagioclase amphibolites. The metasediments were intruded by complex granitic sills of intermediate composition, and by related pegmatite dykes and sills (see Peg, 092B 111). Many of these sills have been folded along with their enclosing rock.

Narrow quartz veins cutting both metasedimentary and metavolcanic rocks carry spectacular coarse free gold. These veins, occurring as an en echelon swarm, are from 2 to 50 centimetres in width, strike about 067 degrees and are nearly vertical in dip. The veins seldom exceed 10 centimetres in width and can be traced for ten's of metres, apparently barren for parts of their length. The zone, along which these gold-bearing veins occur, trends east for a distance of almost 3 kilometres and is from 200 to 300 metres in width.

Rare sulphide minerals generally consist of disseminations of pyrite, arsenopyrite, pyrrhotite and occasionally chalcopyrite. Large arsenopyrite crystals have locally been fractured and infilled by fine gold. Gold smears have also been noticed along slickensided fracture surfaces and as small specks in the wall rock, a few centimetres from vein material. Most of the higher grade gold values appear in either fracture or quartz veins within biotite schist.

The property has been extensively trenched, drilled and bulk sampled by Beau Pre Explorations Ltd. In 1984, the company treated 6 tonnes of ore, yielding 160 grams of gold, 2541 grams of silver, 47 kilograms of lead and 19 kilograms of zinc. Indicated reserves (in 1992) are 30,660 tonnes grading 14.7 grams per tonne gold estimated on the basis of 10 core holes of one C zone vein within a 100 metre block with a width of 1.2 metres (Assessment Report 22683, page 1).

During the summer of 1996 a small gravity gold mining plant was erected on the property to test the feasibility of a larger operation. The small mill operated from September 18 to November 22, processing a total of 68 tonnes of ore from the "C" vein. The grade was calculated at 9.9 grams per tonne gold, over a 1-metre width (George Cross News Letter No. 3 (January) 1997).

The history from 1979 to 1994 is summarized below. The details of this historical work are well-summarized in Assessment Report 27726.

In 1979, detailed prospecting by Robert Beaupre and Alex Low led to the discovery of native gold

in the "A" vein located on the eastern end of the area presently known as "Discovery Zone". Subsequent staking of Valentine Mountain and surrounding areas was carried out over several years.

In 1980, property examinations and reports by T.E. Lisle, P.Eng. and G.A. Noel, P.Eng. were completed on behalf of Beau Pre Explorations Ltd. Low Minerals processed a 351.5 kilogram sample in Tacoma, Washington taken from the "A" trench which returned a grade of 9.26 grams per tonne gold (Assessment Report 27726). In 1981, A program of geological mapping, geochemistry (96 rock chips, 378 stream sediment samples) was performed by Beau Pre Explorations Ltd.,

In 1982/83, the property work directed by Beaupre consisted of trenching a strike length of 107 metres along the "36" vein and 43 metres along sub-parallel veins within the Discovery zone. A total of 9 diamond drill holes were collared 5 to 50 metres from the "36" trench and 3 holes were located 30 to 100 metres from the "A" trench.

In 1984, Western Geophysical Aero Data Ltd. flew a regional magnetometer and VLF-EM survey which totalled 2,400 line kilometres on 300 metres spaced north-south lines. In 1985, Falconbridge Ltd. optioned the property and excavated two 50 metre. Long, north-south trending trenches (known as #I and #2) situated at the east end of the east-west trending "36" trench. They also mapped and sampled the "36" and "A" trenches.

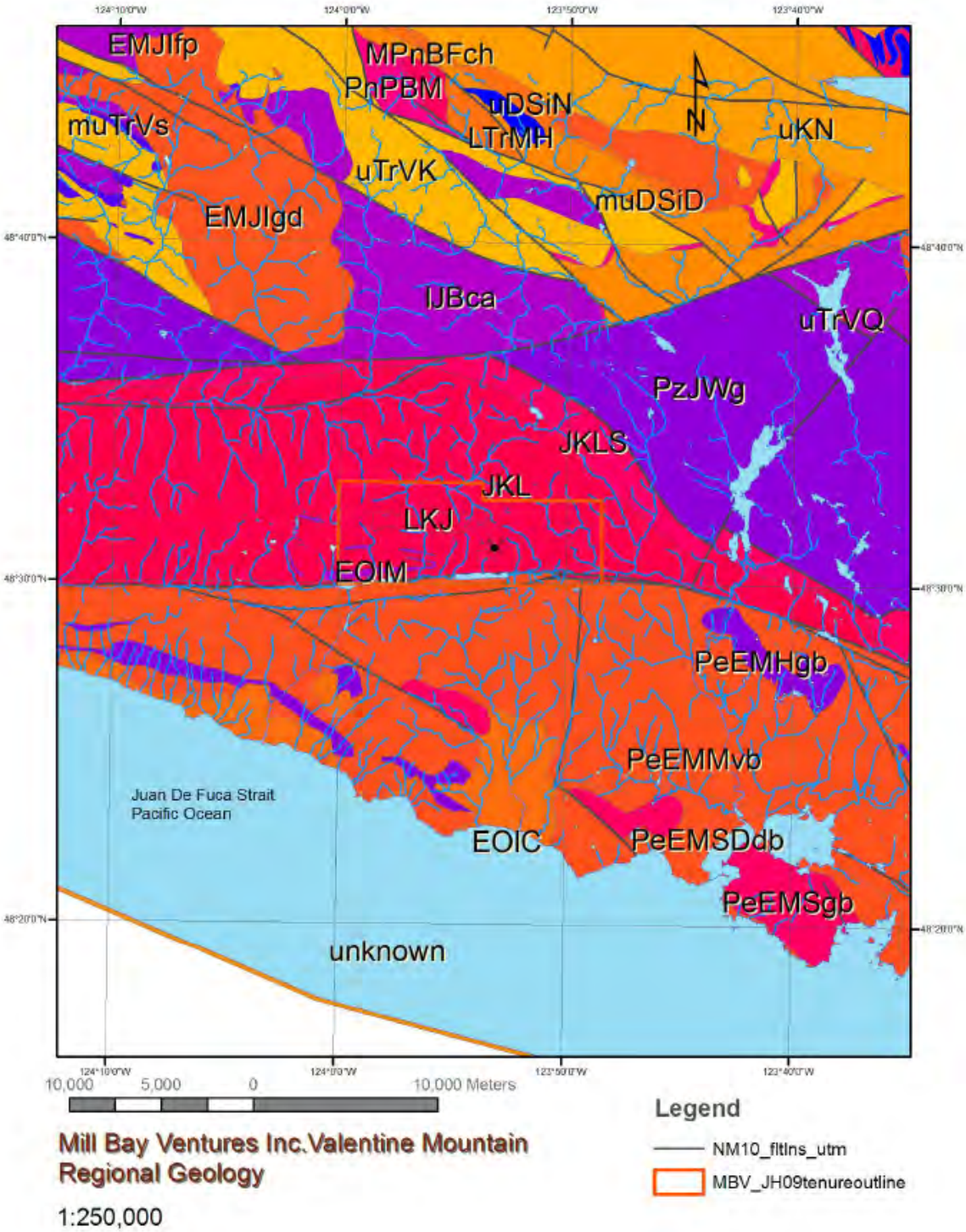
In 1987 and 1988, Valentine Gold Corp. optioned the property from Beau Pre Explorations and drilled 43 core holes (28 in the Discovery and 15 in Jordan R. Zones). Additional work by Valentine Gold included; bulk sampling pilot plant, metallurgical testing, and rock chip sampling of the ''Discovery Zone", as well as property wide soil and silt sampling, prospecting & rock chip sampling, Mag/VLF-EM/Max-Min/IP geophysics, and petrographic analysis.

In 1989, Noranda Exploration Ltd. optioned the property to explore for Kolar, India and/or Bendigo, Australia type auriferous quartz systems. The detailed exploration program focused on the "Discovery Zone" (west extension), "Braiteach:" and "BN, and Walker Ck. areas and consisted of 17.8 line kilometres of IP, 51.6 kilometres of magnetometer surveys, geological mapping (81.4 kilometres grid lines), 1,355 soil samples, 1,121 rock chip samples and 727.2 metres of diamond drilling in five holes.

In 1992, Beau Pre Explorations Ltd. shipped 2.196 tons of crushed ore from the "C" vein system to Nesmont Precious Metals Corp. In 1994, Fairbank Engineering Ltd. performed detailed mapping and channel sampling of the "C" vein across widths of 0.1 to 1.2 metres, at 5 metres intervals, along a total strike length of 35 metres.

In 2002, Beau Pre, carried out fieldwork included surveying, road improvements hand trenching, prospecting, geological mapping and geochemical analysis. Trenching in 2002 is reported at 300 metres in 5 trenches. In late 2003 and early 2004, Beau Pre drilled one hole totalling 304.8 metre testing projections of "C", "D", and "G" veins at depth below previous intercepts obtained by Noranda in 1989 drill hole 89-24. The hole failed to yield high gold values. In late 2004, Beau Pre drilled a further 422.16 metres in 5 holes.

Figure 5


EMJIfp
MPnBFch
PnPBM
uDSiN
LTrMH
muTrVs
uTrVK
EMJIgd
muDSiD
uKN
IJBca
uTrVQ
PzJWg
JKLS
JKL
LKJ
EOIM
PeEMHgb
PeEMMvb
Juan De Fuca Strait
Pacific Ocean
EOIC
PeEMSDdb
PeEMSgb
unknown
N
10,000 5,000 0 10,000 Meters
Mill Bay Ventures Inc.Valentine Mountain
Regional Geology
1:250,000
Legend
NM10_fltlns_utm
MBV_JH09tenureoutline

Recent Work History

While work recorded to 2002 is recorded and encapsulated in the Minfile 092B051n an added compendium of property history by Mineral Exploration Consultant and Geologist Jacques Houle P. Eng. is contained in a 2008 'Summary Report on the Valentine Mountain Project' This work by Houle was meant to update a previous 2004 BC ARIS report numbered 27360 in a form compliant to National Instrument 43101.

The following is extracted from the above J. Houle 2008 report providing work history from the Minfile timeline which ends in 2002 but contains a brief (two line) synopsis of work carried out in 2003 and 2004. The following extract therefore begins with Houle's Chapter entitled 'History' (pp 20- 23) from 2003-2004 to 2006-2007:

"2003-2004

Beau Pre Explorations Ltd. undertook varied work programs on the Valentine Mountain Property, consisting of a baseline environmental study, a geotechnical assessment, decommissioning and reclamation report on the tailings dam, a preliminary Geographic Information System (G.I.S.) compilation, and a single 305 m. drill hole on the Discovery West Target.

• On March 4, 2003 Jacques Whitford Environment Limited submitted proposal No .BCI03006, subsequently revised and resubmitted on April 28, 2003 as proposal No.BCI60004 to Beau Pre Explorations Ltd. for baseline environmental monitoring, geotechnical assessment and decommissioning and closure for the Valentine Mountain Property. This proposal was designed to satisfy the permit requirements issued on July 17, 2002 by the B.C. Ministry of Energy and Mines for a 3000 tonne bulk sample from the Discovery Zone proposed by Beau Pre. The proposal was approved and the work was subsequently initiated, including a site visit on December 3, 2003 by Jennifer MacLean, P.Eng. of Jacques Whitford, accompanied by Jacques Houle, P.Eng.

• In late November, 2003 Don MacIntyre, PhD., P.Geo. was engaged to commence a Geographic Information System (G.I.S.) based compilation of prioritized data from the Valentine Mountain Property. Base maps were first created using publicly available TRIM data. All survey, drill hole traces, trenches and selected geological data were scanned as raster images and/or digitized and geo-referenced to the TRIM base, beginning at the Discovery Zone area and working westwards. This work was not completed, with considerable data left to compile digitally.

• In November, 2003 the author was engaged by Beau Pre Explorations Ltd. to advise on and to help implement renewed exploration activity on the Valentine Mountain Property. It was decided that diamond drilling of one or more priority exploration targets would be the simplest way to accomplish this objective during the winter months, while advancing the knowledge of the property. After reviewing several possible drilling targets, it was decided to test the Discovery West target with a single 1000' (305 metre) drill hole collared at -450 bearing true north, due in part to its ability to test multiple objectives, and in part to good road access during a time of potential winter snow conditions. The four main objectives of the drilling program were as follows:

o Test the projection of "C" Vein 500 meters west of the Discovery Zone and south of the collars of three north bearing drill holes (89-22, 89-23, 89-24) completed by

Noranda in 1989, and
o Test the projection of "D" Vein at depth below a previous intercept obtained by Noranda in 1989 drill hole 89-24 which yielded 73.3 g/t gold over 0.37 meters at a vertical depth of 40 meters, and below surface trenching results completed by Beau Pre in 2000/2001 which yielded 100.8 g/t gold over 0.5 meters in 2000 and 11.4 g/t gold over 1.0 meters in 2001, and
o Test the projection of "G" Vein at depth below a previous intercept obtained in drill hole 89-24 which yielded 5.21 g/t gold over 0.53 meters at a vertical depth of 65 meters, and
o Test the reported "deep" geophysical induced polarization chargeability anomaly obtained by Noranda in 1989.
• The one hole (V-04-01) diamond drilling program began in late 2003 and completed in early 2004 at the Discovery West area of the Valentine Mountain Property met its objectives, but failed to yield high gold values as hoped, yet did yield significant information as follows:
o V-04-01 intersected the "C" Vein quartz-pyrite zone 105- 120 meters down-hole beneath a faulted metasandstone biotite schist contact at a vertical depth of 70 meters yielding 289 ppm arsenic and 5.1 ppb gold over 15.0 meters, based on multi-element ICP analysis of 30 g. subsamples from split core.
o V-04-01 intersected the "D" Vein quartz-pyrite zone at 172.5-180.9 meters down-hole beneath a faulted metasandstone-amphibolite contact at a vertical depth of 100 meters yielding 0.120 g/t gold over 8.4 meters, based on metallic fire assay with an ICP finish of 0.5-1 kg Sub-samples from split core.
o V-04-01 intersected the "G" Vein quartz-pyrite zone at 215.03- 223.54 meters down-hole within the amphibolite unit at a vertical depth of 120 meters yielding 0.088 g/t gold over 8.51 meters, based on metallic fire assay with an ICP finish of 1 kg sub-samples from split core.
o V-04-01 intersected a deep quartz-pyrite zone at 253.14- 262.30 meters down-hole which may represent the I.P. chargeability anomaly beneath the amphibolite-biotite schist contact at a vertical depth of 130 meters yielding 53.4 ppm arsenic and sub-detection limit (<5 ppb) gold over 9.15 meters, based on multi-element ICP analysis of 30 g. subsamples from split core.
o These results suggests a probable inclined plunge to the Discovery West Zone at depth, possibly eastwards based on similarly oriented structural indicators apparent in outcrop throughout the property. Additional drilling may be warranted to test this hypothesis.
o Pending a detailed review of the drill core from V-04-01, currently stored in a shed on the property, additional splitting and sampling of sections with elevated arsenic and/or other values obtained in the multi-element ICP analyses may be warranted.

2004-2005

In late 2004, Beau Pre Explorations Ltd. completed a 5 hole, 422.2 metre definition drilling program on the "C" vein at the Discovery Zone, bracketing the intercept from previous hole DDH 82-6 which returned 7.550 opt (258.86 g/t) Au across 0.5 m., with all five holes fanned from a single set-up. The drilling results were as follows, with pierce-point locations relative to that from DDH 82-6:

Hole #	Width	Au g/t	As ppm	Vertical from 82-6	Horizontal from 82-6
DDH 1	1.52	0.658	353	15 metres below	10 metres east
DDH 2	1.52	0.024	457	5 metres above	10 metres east
DDH 3	1.62	2.470	1375	50 metres below	10 metres east
DDH 4	1.55	3.770	1025	15 metres below	15 metres west
DDH 5	1.37	0.768	482	10 metres below	35 metres east

It should be noted that neither these intercepts from the 2004 drilling program nor those from the previous 2000-2001 drilling program have been incorporated into the "C" Vein resource estimate at the Discovery Zone. Appendices 1 and 2 show the longitudinal section with, and without, the 2004 pierce-points, respectively.

In early 2005, the author was engaged by Beau Pre Explorations Ltd. to manage its mineral tenures covering the Valentine Mountain Property. Soon after the implementation of the B.C. Mineral Titles Online (M.T.O.) system, all the legacy claims at Valentine Mountain were converted to 4 cell mineral claims, as follows:

Tenure#	Owner	Map No.	Good to Date	Status	Area (ha.)
506801	101792 (100%)	092B	2006/FEB/14	GOOD	1198.055
506812	101792 (100%)	092B	2006/FEB/14	GOOD	1561.852
506818	101792 (100%)	092B	2006/FEB/14	GOOD	1390.107
506823	101792 (100%)	092B	2006/FEB/14	GOOD	1240.915
TOTAL					**5390.929**

2006-2007

In February, 2006 Beau Pre Explorations Ltd. reduced cell claim 506801 to 85.578 hectares to cover only the area of the Discovery Zone, paid cash in lieu of assessment work for the reduced claim, and allowed the remainder of the cell claims to forfeit. The area of the forfeited cell mineral claims was acquired by 6 different owners in 14 cell mineral claims, completely fractionating the former Valentine Mountain Property. No work was done by any owners in this period."

2010 TECHNICAL WORK PROGRAM

Methodology

Remote sensing techniques and spatial data analysis through Geographic Information

Systems (GIS) have been jointly applied in the mineral exploration context to identify mineral rich potential areas in a number of locations throughout the world including alteration zones. The Spectral Analysis work associated with this project is not intended to research and develop new spectral analysis methods or to develop new software. The aim is to utilize a fused combination of Synthetic Aperture Radar (SAR) and Multispectral image data integrated with geological and other exploration data (extracted from the project target area) within a geospatial analysis environment as an exploration tool in search of mineral deposition, alteration, geological or other features which may result in the location of new locations mineralization.

Spaceborne Remote Sensing in General

Remote Sensing is the general collection of phenomena from a distance. In this case both types of remote sensing being used were collected by instruments located on satellite platforms. These satellite collected data are defined as spaceborne remote sensing data. The phenomena sensed are in the form of reflected or emitted energy which can provide information through its processing, analysis and application.

The interaction between passive or active energy sources and the targets of interest is a remote measure of the target by its reflectance or emmittance of electro magnetic energy.

Spectral Remote Sensing

A wide range of image analysis techniques were applied to spectral data from this project area. A good deal of effort went into a type of Multivariate Classification and Regionalization (grouping of like, statistically significant data) defined as Supervised Classification which was carried out to try to establish spectral characteristics for various geological models related to the project area. These “test areas”, or “training areas” as they are described in the literature, provided an opportunity for signature development of characteristics relevant to the styles of mineralization and related geological features that are present on the subject claims. Other methods used to try to extract useful spectral maps were the hard classification operators (Principal Components Analysis, Fisher or Linear Discriminant Analysis, Maximum Likelihood, Minimum Distance Parallelepiped, Canonical Components Analysis, and Neural Network Texture Classification) and the soft classification operators (Bayesian Analysis, Dempster-Shafer Weighting and Fuzzy Classification). These procedures although able to produce spectral images, the results often did not provide obvious or even subtle indications of a relation to underlying geology or mineralization. The procedure which did produce data that was most frequently considered to be correlative to underlying geological features, although at times tenuous, was the technique called Unsupervised Classification. This procedure and related methodology is described in the following analytical steps

Base Data

Base data was imported into a common GIS from a variety of sources including GSC 1:50,000 topographic data, BC GSB Geological data, and MTO Mineral Tenure Data. These data were used to provide a starting point from which to build a spatially aligned model of the Valentine Mountain property in general and specifically the Valentine Mountain mineral exploration target(s). As a base for an iterative alignment, these base layers serve as guides, where the image data and GPS data provide increased positional accuracy to the whole.

Preprocessing

Image data used in these analyses were pre-processed to:

- Remove atmospheric noise
- Georeference and
- Orthorectify

Mineral Mapping

Spectral Image analyses was conducted on the Valentine Mountain Project Property in 2010 using ASTER VNIR; SWIR and TIR data fused to Radarsat 2 data for locational accuracy and to test for textural correlation to mineral classification.

Analytical Steps:

With the Spectral Data

1. Compilation - The first step included an extensive geological, mineralogical and mineral deposit research and compilation from historical sources in search of features which could be used as spectral targets. These features, which are identified and described in the geology and mineralization sections of this report, were digitized where possible into map overlays.
2. Base Maps - Acquisition of Trim Maps for each area to form base maps.
3. Spectral Data Acquisition - Selection and acquisition of spectral image Granules for each area. Images can be chosen from a variety of satellite passes over a wide range of time.
4. Data Quality Assessment - The images selected were then checked to ensure they adequately covered the subject areas and were of suitable quality. For example if there was too much cloud cover or if the images were of poor resolution they were rejected and replaced with new granules.
5. Geo-referencing - Spectral Images were then linked or geo-referenced to the UTM grid system by overlaying on Trim Map bases then a Digital Elevation Model (DEM) and a Digital Terrain Model (DTM) were derived.
6. Spectral Data Noise Correction - Unwanted responses (noise) from features such as water, vegetation, topography, shade, cloud cover etc were filtered or screened out as part of the image analysis process. At times this spectral noise may still be present in the images used and must be recognized as such when making interpretations.
7. Purified - Through an iterative process (5000 to 20000 iterations) data are projected repeatedly onto a random vector. Pixels that exceed an imposed threshold are collected as extreme and therefore representative of the data set.
8. n-Dimensional Visualization
9. Data Classification - This data is then subjected to a number of analytical techniques designed to isolate the target minerals and/or their pathfinders, associations or emmittances. Spectral libraries were selected for suitability and imported. Comparative analysis was performed against these spectral library signatures established for known minerals, rock types and expected alteration products of the various rock units. The comparative analysis was done using the following classification methods:
   - Spectral Angle Mapping (SAM)
   - Spectral Unmixing
   - Mixture Matched Filtering
10. Output - Spectral Classifications were then displayed for visual analysis as:
   - Greyscale Quantification Images - When displayed in grayscale for specific classifications, the system identifies relative abundances of specified end members (e.g. minerals or rocktypes). These concentrations normally show up in white (light grey) when there is high co-relation and in dark grey to black if there is a low coefficient of co relation (i.e. when none of the specific components are present). False color composite images can then be used to highlight specific minerals and mineral assemblages representing classifications or groups with

vector data layers. Spectral comparison tests were then made using the one of the material suites listed below selected from the various spectral libraries.

a) Metamorphic Rock Types
b) Intrusive Rock Types
c) Minerals
d) Vegetation
e) Soils

However one must use some caution in accepting these classifications. Just because a given pixel is classified as a specific mineral doesn't make it so. Classifications are a measure of similarity and are not necessarily definitive identifiers. Ground truthing is important to check and test the apparent results. RGB – Some of the data were also subject to RGB (Red-Green-Blue) analysis. This is a very simplified chromatic expression of spectral relationships. Pure colors in these images represent areas where the mineralogy is relatively pure. Mixed colors indicate spectral mixing, with the resultant colors indicating how much mixing is taking place and the relative contributions of each endmember.

11. Post Processing - Classified images require post-processing to evaluate classification accuracy and to generalize classes for export to image-maps and vector GIS. Greyscale, false colour and colour symbology responses were overlayed along with the base geological features gathered in Step 1 and were reviewed visually to see if any spectral anomalies, e.g. bright or dark spots overlying these features could be identified or colour patterns reflecting underlying geology could be found. A selection of the resulting spectral signatures which most closely reflected real or apparent underlying mapped geological features were then displayed as color coded maps.

Fusion

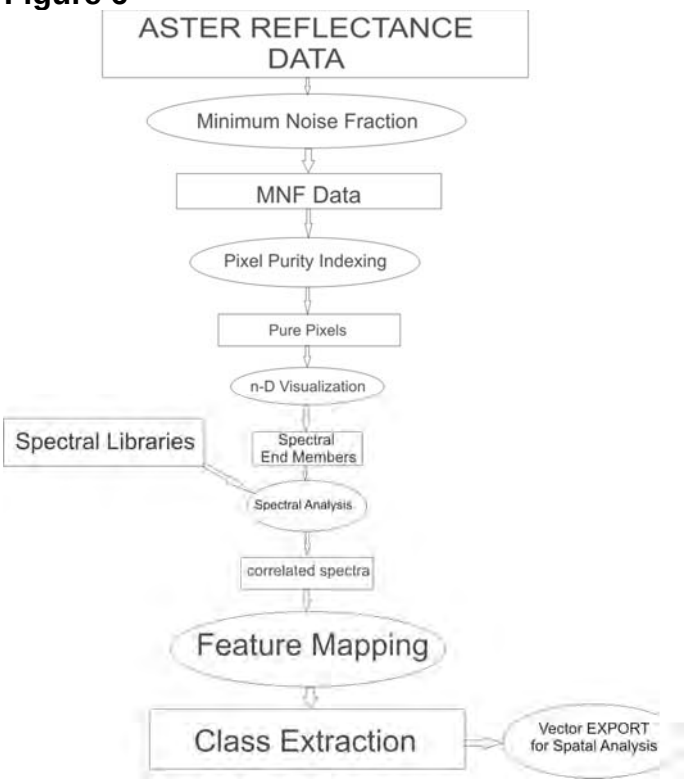
Sensor 1 data, which is 15 metre pixel resolution data, was then fused to Sensor 2 ASTER, which is 30 metre pixel resolution data, using the Gram Schmidt Pan Sharpening module. This image fusion produced 6 new bands, representing the spectral resolutions of the Sensor 2 data bands at 15 metre spatial resolution.

ASTER data was now converted to relative reflectance data that was only generally georeferenced. Data was converted using ITTvis ENVI from WGS84 to NAD 83 datum and reprojected to UTM 10N.

Orthorectification was conducted using Shuttle topographic radar data's Global DEM.

The Ortho-corrected data was entered into the following spectral process for un-supervised classification.

Figure 6



As the result of the Pure Pixel Processes and n-D visualization routine 14 spectral end members were extracted for use in the Spectral Classification

<u>Spectral Libraries employed in the Classification:</u>
USGS Mineral
USGS Vegetation
Jet Propulsion Laboratory 1
Jet Propulsion Laboratory 2
Jet Propulsion Laboratory 3
Johns Hopkins University Igneous Rock (fine)
Johns Hopkins University Igneous Rock (coarse)

Johns Hopkins University Sedimentary Rock (fine)
Johns Hopkins University Sedimentary Rock (coarse)
Johns Hopkins University Metamorphic Rock (fine)
Johns Hopkins University Metamorphic Rock (coarse)
Johns Hopkins University Minerals
IGCP1
IGCP3
IGCP5

Each of the statistically representative 'Spectral End Members' was analyzed for correlation to each of the 15 Industry Standard spectral library spectras.

The following output report

Input File: \JHouleContract\MBV\MBV_Val09\ASTER data\A4\MBVAsterOrtho\MBVAstLib3unfusedFF
Spatial Dims: 1-934,1-494
Bands: 1-6

A forward MNF transform was run on this input file using statistics from a shift difference image.
MNF output file: C:\ \JHouleContract\MBV\MBV_Val09\ASTER data\A4\MBVAsterOrtho\MBVAstLib3unfusedFF2_mnf
Shift Difference Spatial Dims: 1-934,1-494
Output number of MNF Bands: 6
MNF Dimensionality: 6

The Pixel Purity Index (PPI) was run on the MNF data to aid in deriving endmembers from the image.
PPI number of iterations: 20,000
PPI threshold value: 2.500
PPI maximum memory use: 800.0 Mb

PPI output file: C:\ \JHouleContract\MBV\MBV_Val09\ASTER data\A4\MBVAsterOrtho\MBVAstLib3unfusedFF2_ppi
PPI completed iterations: 20,000
Pixels with PPI score > 0: 43,332

The ENVI n-Dimensional Visualizer was loaded with the top scoring pixels from the PPI result.
Maximum number of PPI pixels to use: 15,000
Number of pixels loaded to n-D Visualizer: 14,841
Threshold score from PPI result: 39
Number of endmembers retrieved from n-D Visualizer: 15
n-D endmembers ROI file: C: \JHouleContract\MBV\MBV_Val09\ASTER data\A4\MBVAsterOrtho\MBVAstLib3unfusedFF2_nd_classes.roi
n-D Visualizer state file: C: \JHouleContract\MBV\MBV_Val09\ASTER data\A4\MBVAsterOrtho\MBVAstLib3unfusedFF2_nd_viz_state.ndv

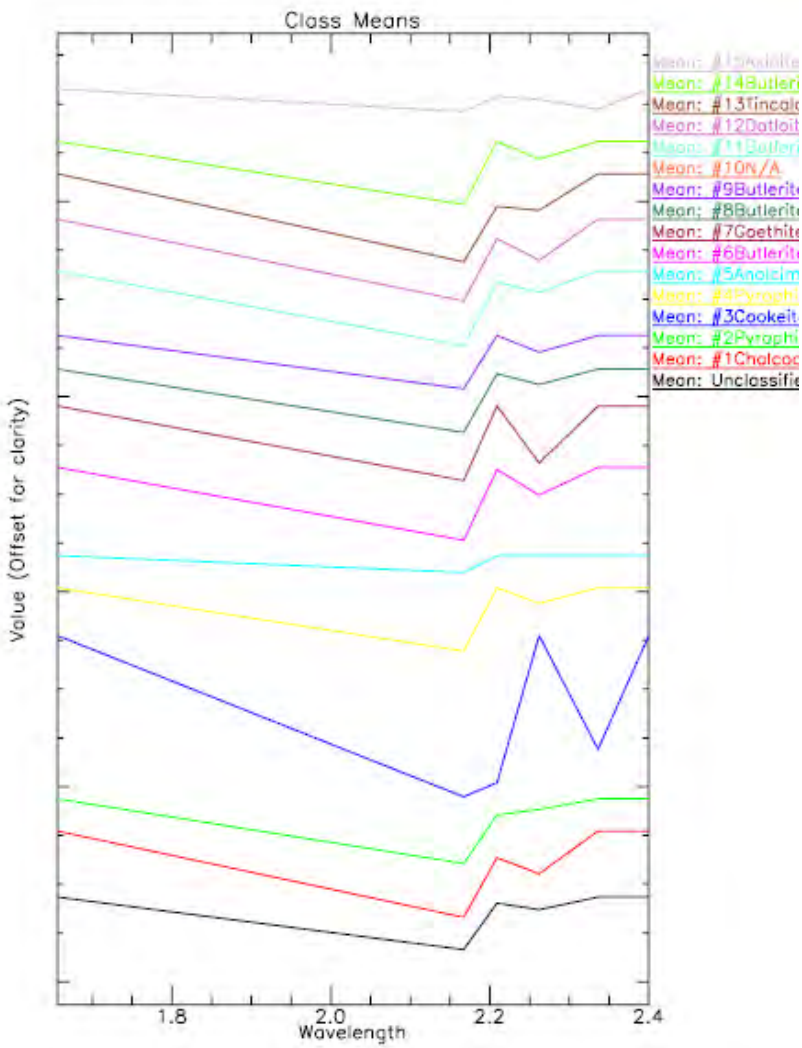
Mapping methods applied to collected endmembers:
- Spectra Angle Mapper (SAM)
- Mixture Tuned Matched Filtering (MTMF)
- Linear Spectral Unmixing

Output SAM rule file: C: \JHouleContract\MBV\MBV_Val09\ASTER data\A4\MBVAsterOrtho\MBVAstLib3unfusedFF2_sam_rule
Output SAM rule file: C:\Documents and Settings\David\My Documents\JHouleContract\MBV\MBV_Val09\ASTER data\A4\MBVAsterOrtho\MBVAstLib3unfusedFF2_sam_class
SAM maximum angle: 0.10

Output MTMF rule file: C: \JHouleContract\MBV\MBV_Val09\ASTER data\A4\MBVAsterOrtho\MBVAstLib3unfusedFF2_mtmf

Output Unmix file: C: \JHouleContract\MBV\MBV_Val09\ASTER data\A4\MBVAsterOrtho\MBVAstLib3unfusedFF2_unmix
Unmix Unit Sum Constraint Weight: 2.000000

Figure 8



Classifications of the Spectral End Members (Continuum Removed)

Mineral spectra were mapped for abundance, mean, infeasibility, and Match filtering

These correlations were projected using Spectral Angle mapping to identify their similarity according to each pixel's percentage of the mineral class

Finally Mineral Classification Maps were exported into the General GIS for iterative Model development.

With Synthetic Aperture Radar (SAR) Remote Sensing

General

Synthetic Aperture Radar is a form of active microwave detection and ranging. Energy is generated by the spaceborne platform and directed toward a target. Reflected (and scattered) energy returns to the instrument after being collected by synthetic receivers. The Arc of the receiving antenna along its orbit path over the target synthesizes a much larger 'Dish' shaped antenna and through special processing routines provides an accurate location for the location of the data.

Radarsat

Since the mid 1970s Canada has played a significant role in the development of surveillance radar including its first spaceborne effort the SEASAT radar satellite. Airborne research paved the way for Radarsat 1 a Canadian Space Agency initiative. Radarsat 1 became useful in the remote sensing fields for its ability to collect data at night and through weather. Radarsat1 used C-Band Microwave data. C-Band is the portion of the EM spectrum from 4 to 8 GHz. This low frequency of energy requires a large aperture or Big Dish to receive the signals. Synthesizing aperture size by using the path of orbit of the collecting receiver over time in a computational environment allowed this penetrating C-Band energy to be used. The advantages of the lower frequency were realized in its penetration of ice and limited overburden. Radarsat 1 data is used to determine and map sub-ice surface terrain and sub overburden terrain. It has also proven productive in resolving rock structure and textures. Radarsat 1 has a maximum spatial resolution of 8.3 x8.4 metres.

L-Band is the lowest (between 1 and 2 GHz) of the microwave 'radio wave' portion of the EM spectrum.

A paper by Thierry Toutin and Benoit Rivard entitled: Value Added Radarsat Products for Geoscientific Applications published in the March 1997 Canadian Journal of Remote Sensing (Vol. 23 No.1. pp 63-70) concludes:

"Integration of multi-source-multi-date data and generation of value –added products are key points for the successful and regular use of these data for geoscientific applications"

Through the use of this approach to data investigation "detection of landforms" and "delineation of Lithologic layering" were resolved.

Radarsat-2

Radarsat-2 is the result of a Canadian Space Agency (CSA)/ MacDonald Detwiler and Associates (MDA) Program which along with surveillance was enhanced to provide increased function for resource mapping and other interests. The spatial resolution is 3 metres in ultra fine mode and can be collected in a variety of polarization modes. Like Radarsat-1, Radasat-2 is also C-Band (5.405 GHz) Microwave collection, and follows the same orbital path. This allows the use of both of the Radarsat Signal data for integrated analyses.

The Radarsat 2 information site states:

For the geology sector, RADARSAT-1 data is used for both onshore and offshore exploration and mapping. RADARSAT-1 data is used to monitor and detect oil seeps - reducing the risk and cost of drilling. It is also used to derive geophysical terrain information, such as surface roughness, which is useful for understanding processes such as bedrock weathering and the sorting of unconsolidated solid materials.

The most significant improvements of RADARSAT-2 over other radar and optical systems for geological applications will be its Ultra-fine resolution and fully polarimetric capabilities. These features will provide benefits such as more detailed mapping of terrain features or fine geological structures, better identification of structural features and improved discrimination of different geologic units. -

http://www.radarsat2.info/application/geo/index.asp

The Radarsat-2 recommendation for polarization types to best define lithologies includes HH/ HV/ VV/VH.

Remote Sensing Data Fusion Definition

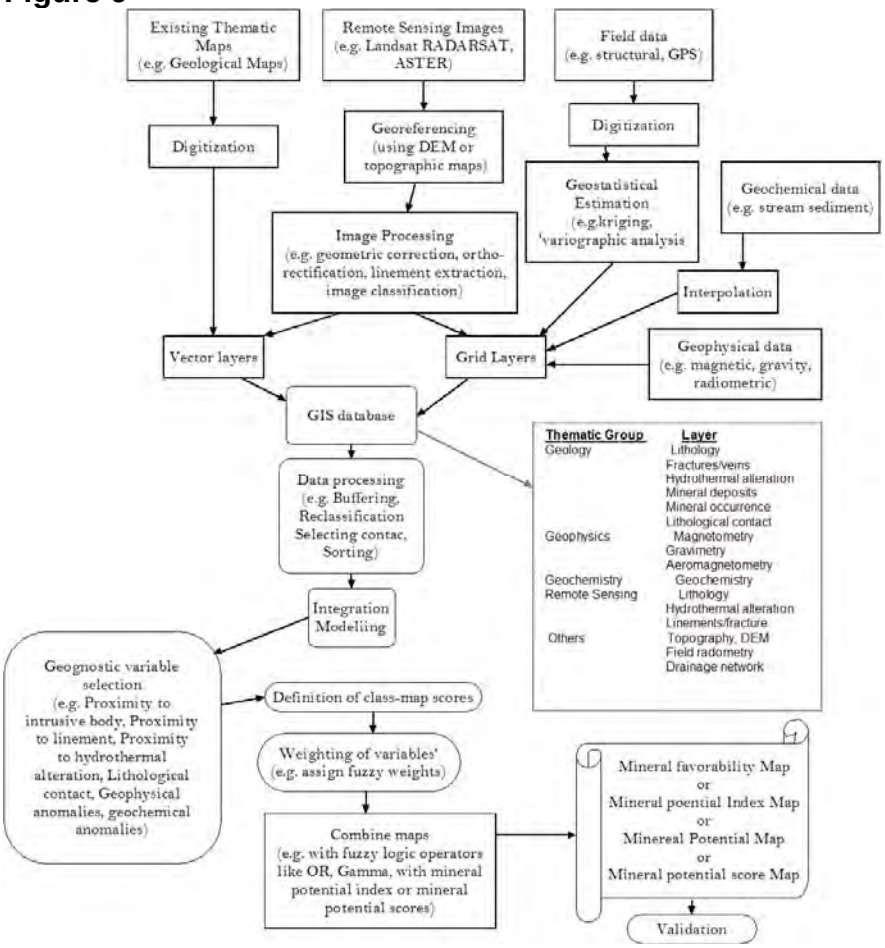
When more that one remotely sensed data are made into a single data-set they are said to be fused. This fusion of images or other data is considered to provide information greater than the sum of its parts. The process is complex and requires highly specialized software and programming for its exploitation.

In the case of this work the Fusion Methodology employed was Knowledge-Based and Data-Driven Image and Data Fusion. Data and Image fusion differs from compilation or integration as defined by L. Wald at the Ecole de Mines for the Joint European Association of Remote Sensing Laboratories (EARSeL) and French Society for Electricity and Electronics (SEE, the French IEEE affiliate) Workshop on Definitions and Terms of Reference in Data Fusion. Compilation preceding integration takes place preparatory to the creation of a framework of aligned or Fused data. Fusion is a process where a mathematical operation is performed on at least two sets of data that refers to a specific framework for aligning whereas merging or integrating simply describes the compiling and combining of the information.

The Fusion Model

This work employs a variation of the Rajesh[i] Remote Sensing Flowchart illustrated below:

Figure 9



Data used during the Valentine Mountain Project

The Data included in this project fell into four primary groups:

- Text- data in written notation as contained in archived reports
- Tabular-Data such as Regional Geochemistry or Diamond Drill logs in table form Project Data in the form of Sample collection tables representing Moss Mat sample Collection Data with GPS positions were also projected.
- Vector-Data such as the baseline mapping data and BC Geological Survey Map Data
- Raster Data including scanned archived maps, and remotely sensed data

1. Text data was gathered by J. Houle P Eng and synthesized into guiding information for the compilation. This group also included ARIS BC Assessment report data and Minfile BC Geological Survey Mineral Resources information

2. Tabular Data consisted of the Drill Logs which contained reference spatial data

In many cases this data needed to be iteratively related to vectors derived from scanned archived map data which in some cases delineated the baseline grid data for a specific exploration program.

3. Vector Data included the BCGS Digital Geology Map: NM10. The Canadian digital Elevation Data, and Geological Survey of Canada GSC 1:50000 base map sets of map sheets 092B05; 092B12; 092C08: 092C09
4. Raster Data consisted of the 30 scanned historic project maps and trench plans as well as Radarsat2 Ultrafine VV polarization data and ASTER Multispectral optical image data.

Selection of Suitable and Appropriate Data

Selection of data was collaboratively performed in conjunction with project Geologist Jacques Houle P.Eng. Criteria for selection included both suitability to the methodologies employed and applicability to the exploration for mineralization. Data that did not contain adequate georeference could not be used in this work.

Data Quality

Quality of the maps selected for scanning varied according to the media employed and ranged from Medium to Excellent. A part of the purpose of Data Fusion is to homogenize and improve the quality of the data though mathematical process. By iterative application using improved base data such as more accurate elevation with greater horizontal precision and fused image data feature location and other location data are improved. For example seeing the location of a trench within the image data can resolve its position and reduce error. The elevations of drill collars within a high accuracy Digital Terrain Model provide greater representation of down-hole or subsurface correlation to mineralization. Spatial integrity was aligned during a process of resampling and rubber sheet reprojection. In some cases there were no supplied projection or datum information and these were resolved simply by using the most likely datums and projections employed in BC during the period of their delineation. In all of the trial projection cases, these were proved to be relatively accurate by other supporting data, proxy data, and baseline correlation.

Results

Iterative Spectral Component

The primary objective of this analysis in the Valentine was to explore for signal correlation and to work toward developing a recognizable spectral signature. The Spectral Analysis was done on a portion of one spectral data granule. This is an area where there is appropriate satellite spectral coverage. The image used in this analysis covers the entire claim group. Several iterations of this process were done starting with the broader geological features, typically rock types including igneous and metamorphic suites and finally classifications were done

for specific minerals. Matching results were identified, often including several duplicate responses. Duplicates were either displayed collectively or left out if no additional useful information was evident by their inclusion. The results of the classification procedure were viewed as spectral maps. These classifications have generally been identified by the name of the “mineral” or “rock type” that shows the greatest proportion of positive co relation or if not the greatest, is the identity which more reasonably fits the geological picture. These ID’s may however only reflect an apparent co-relation and should not be relied upon to infer any direct relationship. Spectral specialists recommend using local knowledge and experience and if possible ground truthing as a check on what is really being spectrally measured. Results of the spectral plot reviews are discussed in the figure descriptions following. Digital Elevation and Terrain models have been created and are included in the digital database provided with this submission but are not reproduced as part of this report as they do not add anything to the specific results displayed.

Radarsat Data Processing

GCP selection is not a straight-forward task with RADARSAT-2 data. Even though the spatial resolution of RADARSAT data, at 3.25 metres per pixel, is higher than that of ASTER data, features are not easy to recognize in radar imagery. Eleven GCPs were used with a total RMS of 0.2864 for Second degree polynomial mapping and cubic convolution resampling. The resampling routine polynomial degree availability is dependent on the number of GCPs where GCP # > (Degree +1)². In this study, 11 > (2+1)² prescribed a second degree polynomial warp, with cubic convolution mapping. This resulted in a total RMS error of 0.10 or 1.5 metres.

This resampling of images was conducted using a statistical warping of the original image, using a best fit equation based on the output polynomial coefficients. These are calculated as P and Q coefficients where:

$$s > (P+1)^2 \qquad \begin{aligned} x' &= a(x,y) = \sum_{i=0}^{N}\sum_{j=0}^{N} P_{i,j} x^j y^i \\ y' &= b(x,y) = \sum_{i=0}^{N}\sum_{j=0}^{N} Q_{i,j} x^j y^i \end{aligned}$$

Where x´ and y´ are positions in the resampled image, x and y are the positions in the reference image, *N* is the polynomial degree, *P* and *Q* are the polynomial coefficients.

$$x' = a(x,y) = \sum_{i=0}^{N}\sum_{j=0}^{N} P_{i,j} x^j y^i$$

$$y' = b(x,y) = \sum_{i=0}^{N}\sum_{j=0}^{N} Q_{i,j} x^j y^i$$

Where x´ and y´ are positions in the resampled image, x and y are the positions in the reference image, *N* is the polynomial degree, *P* and *Q* are the polynomial coefficients.

Radarsat data is dense data and requires a very high level of computer performance for its processing at present. Each process in the series requires many hours depending on the capacity and speed of the computer system used.

Image Fusion

Georeferenced and subsequently orthorectified RADARSAT-2 data was then fused to the ortho- corrected ASTER Sensor 1 (VNIR) and Sensor 2(SWIR) fused image data in preparation for analysis, using a Gram Schmidt Pan Sharpening module. The resulting fused data consisted of eight bands of data representing the increased spatial resolution of the ultrafine Radarsat2 data, the optical resolution of the medium resolution VNIR data and the information inherent in both of these data plus the SWIR data. In other words the fused data came to have the optimal spatial resolution of the SWIR data, the texture of the Radarsat2 data and the visual representation of the NVIR data.

Radarsat-2 Classifications

Radarsat-2 data was further processed using several enhancement methodologies including Sobel, Lee, and Box filters. These protocols are to detect data surface edges and to further reduce noise. This is accomplished using a variety of statistical analyses to first examine the data and then apply complex means to reduce the data dimensionality, reduce speckle and enhance features within the image. Following these processes, the data was examined visually for linear information by Geologist J. Houle in order to guide or supervise the direction of the ongoing analyses.

Mathematical morphology and convolution filters and were applied to the noise reduced data producing both occurrence and co occurrence images.

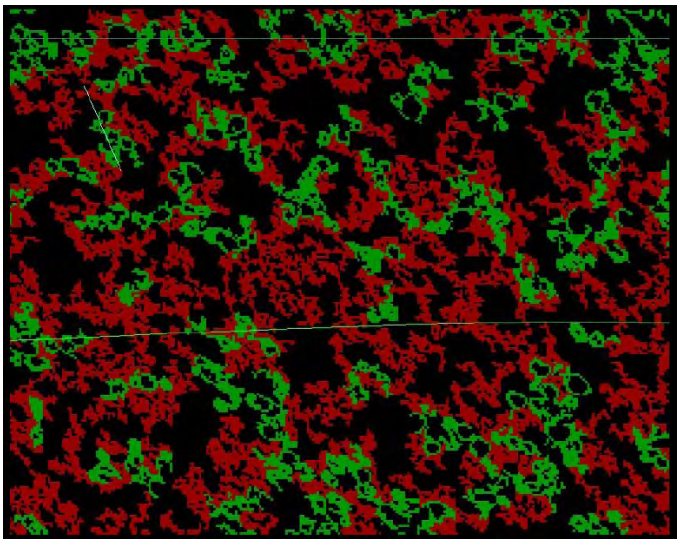
Occurrence images included: Mean; Variance; Homogeneity; Contrast; Dissimilarity; Entropy; Second Moment; and Correlation.

Co occurrence images also included: Mean; Variance; Homogeneity; Contrast; Dissimilarity; Entropy; Second Moment; and Correlation.

These images were classified using K-Means and iso-Data with a resulting series of classified.

The Classes were then segmented into areas of connected pixels with similar interclass values.

Figure 10



Detail of Segmented Classes: 3; 4, and 5 showing the Diamond shaped linearity of texture changes

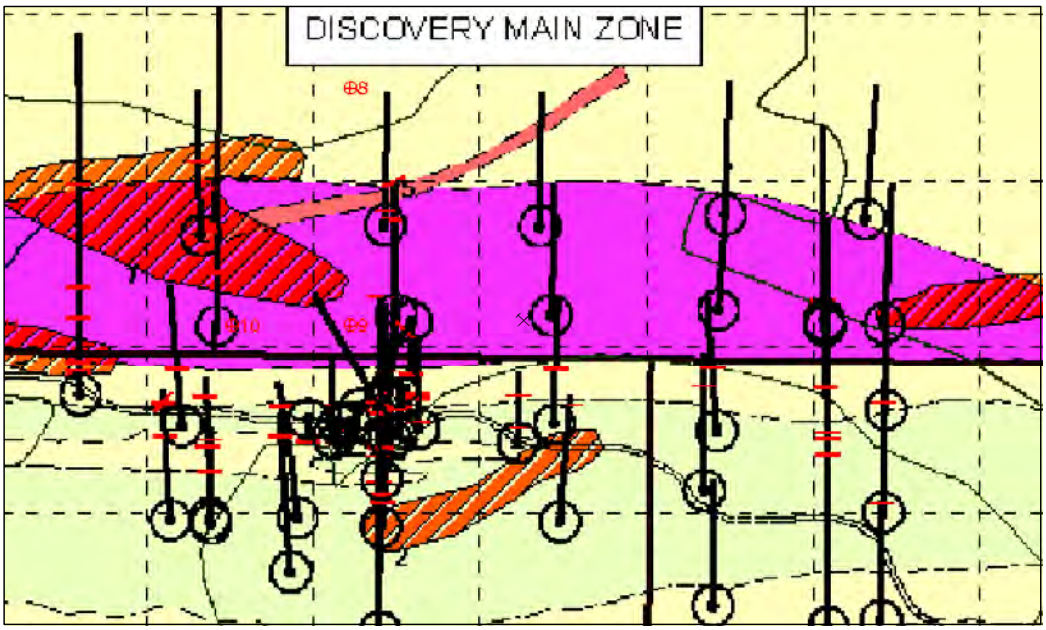
Digitization of Archived Exploration Data

Exploration data in report and map form has been collected and stored by Mill Bay Ventures Inc. GIS and Digitization had been partly undertaken by D. MacIntyre in 1993 and these files which were CAD data on large format discs needed to be transformed and georeferenced.

The Map files were scanned using a commercial scanner and projected into ENVI for resampling and rubber sheet warping. The warped, georeferenced and ortho-corrected data was aligned with the common GIS and digitized in order to re-vectorize lines and polygons. The primary trench sample location sites were similarly extracted from a large scale plan and positioned within the model. Sample sites were extracted as points for secondary analyses and integration into potential valuation type work.

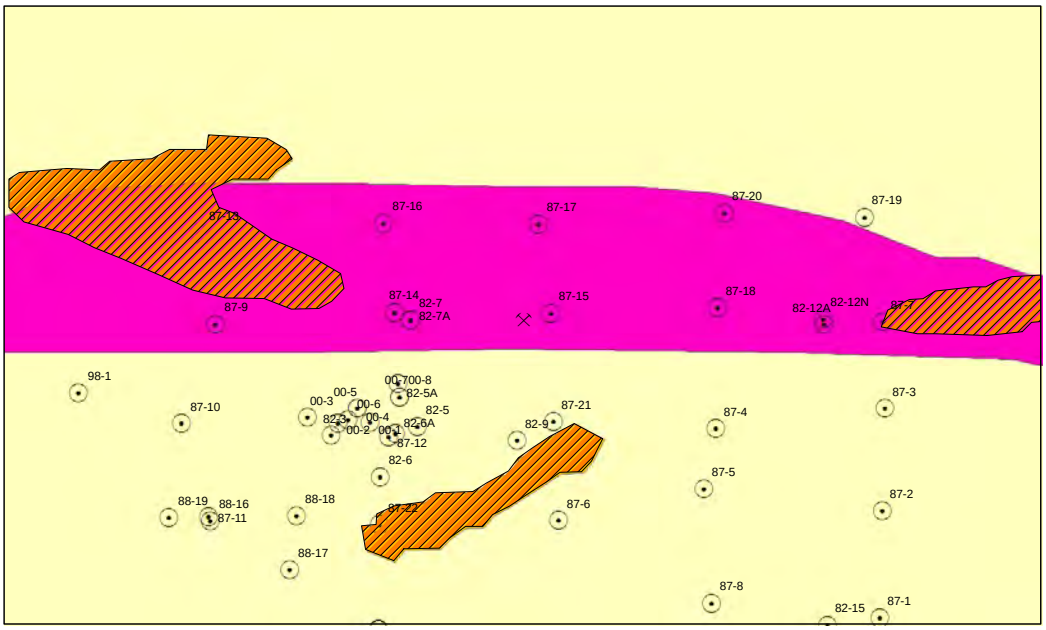
Drill collars were plotted from maps as points in preparation for future down hole modelling.

Figure 11



Detail Sample of scanned and warped data

Figure12

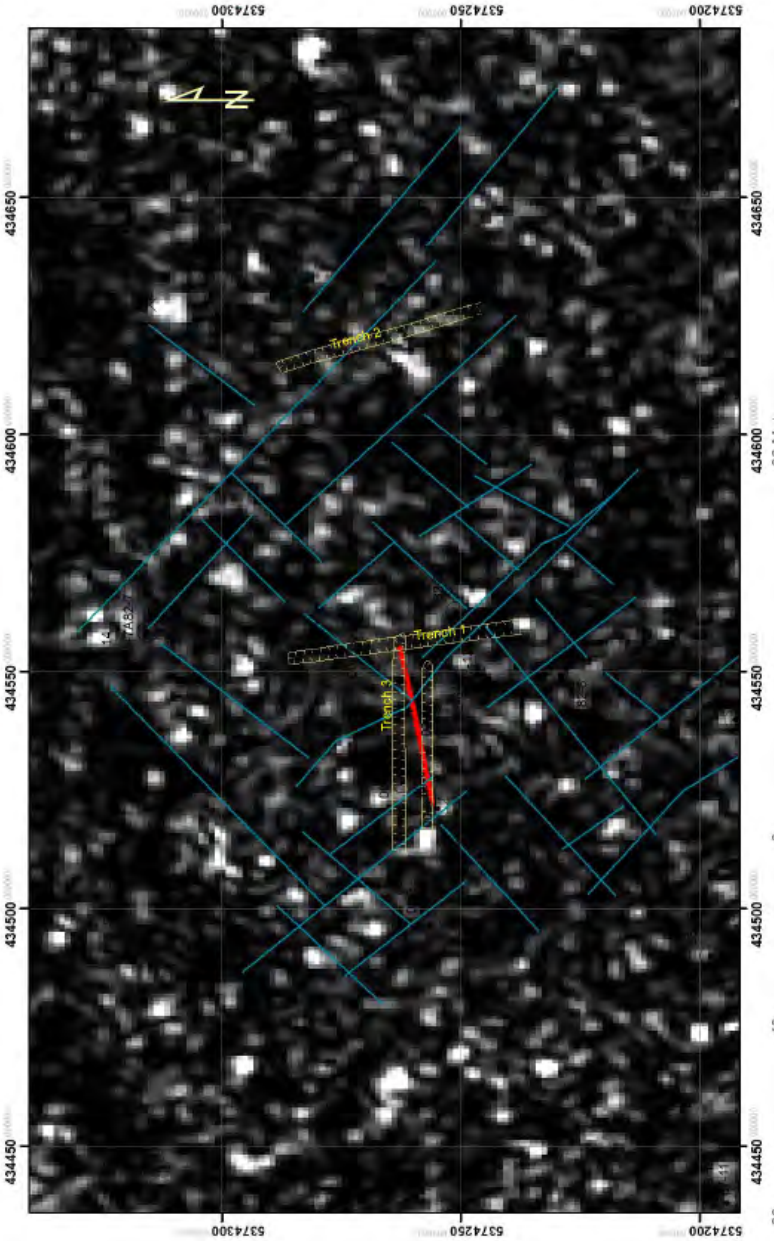


Detail Sample of digitized Vector Data

Digitization of linear features from analyses of Remote Sensing data

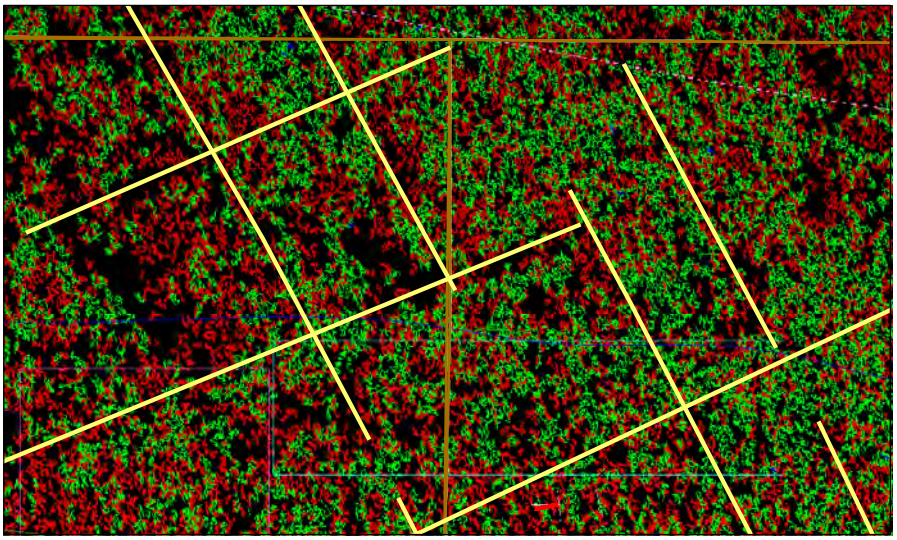
Linear and Polygonal image features were extracted to digital shapefiles for proximity and other spatial as well as visual geological analyses.

Figure 13



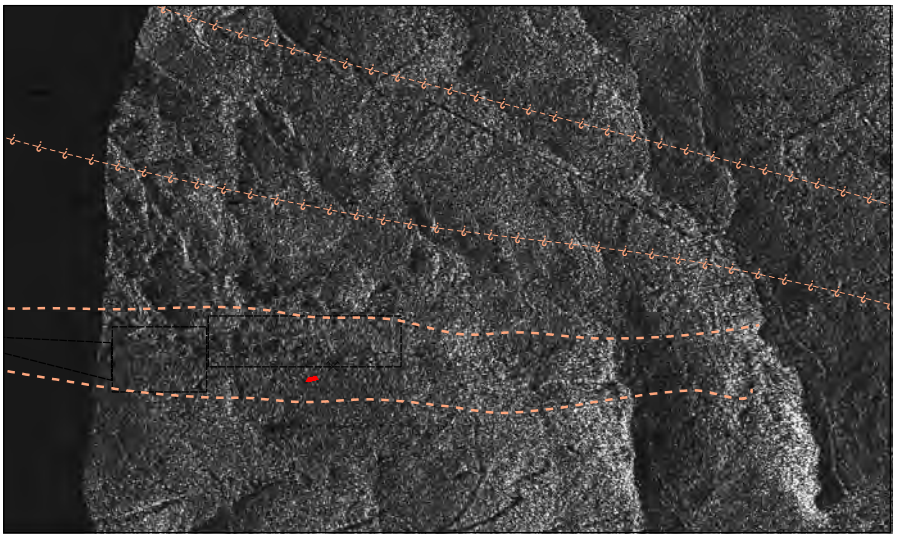
Detail of Discovery Zone Radarsat- 2 orthodata and delineated lineament Features (negative spaces in this image) are shown as Blue Lines.

Figure 14



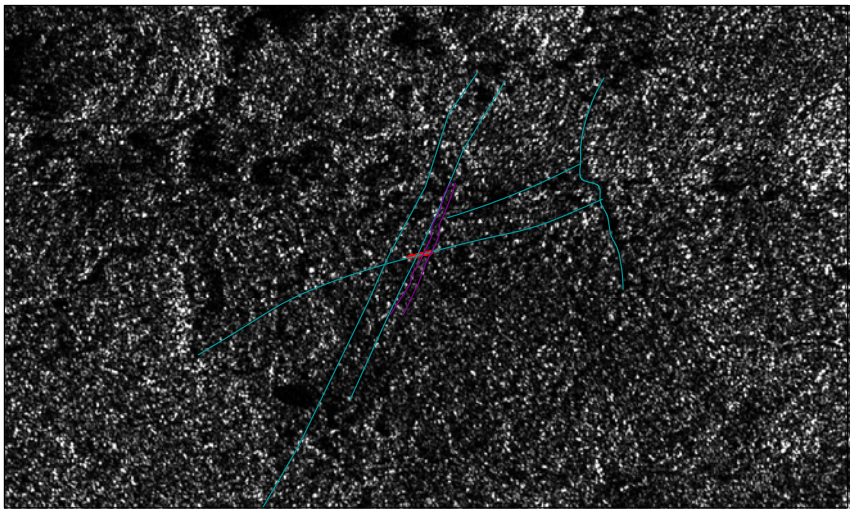
Detail of Discover Zone Iso Classed Segmentation analyses derived lineaments
In this case due to scale the negative spaces which are shown as yellow delineations are in part obscured by the line width.

Figure 15



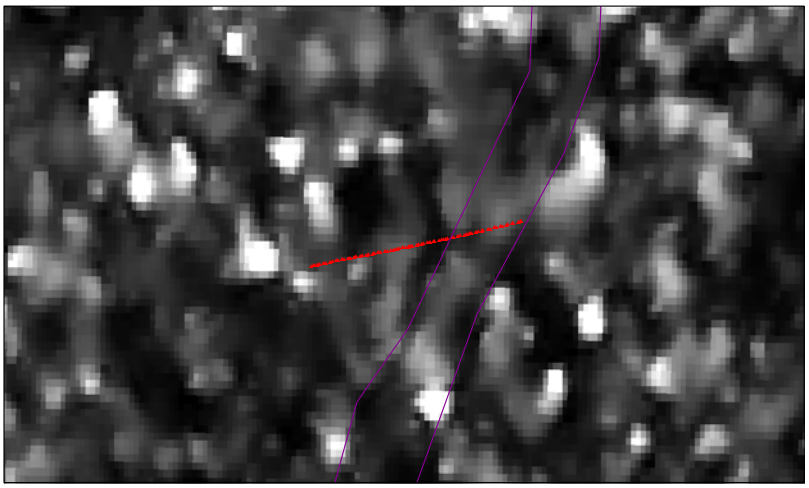
Radarsat-2 Texture Convolution showing fractured zones (shadow area) correlating to J. Houle's northern Au-As Zone and the established Southern Au- As Corridor. (See Appendix 4 for Map of trenches and collars within Radarsat Image)

Figure 16



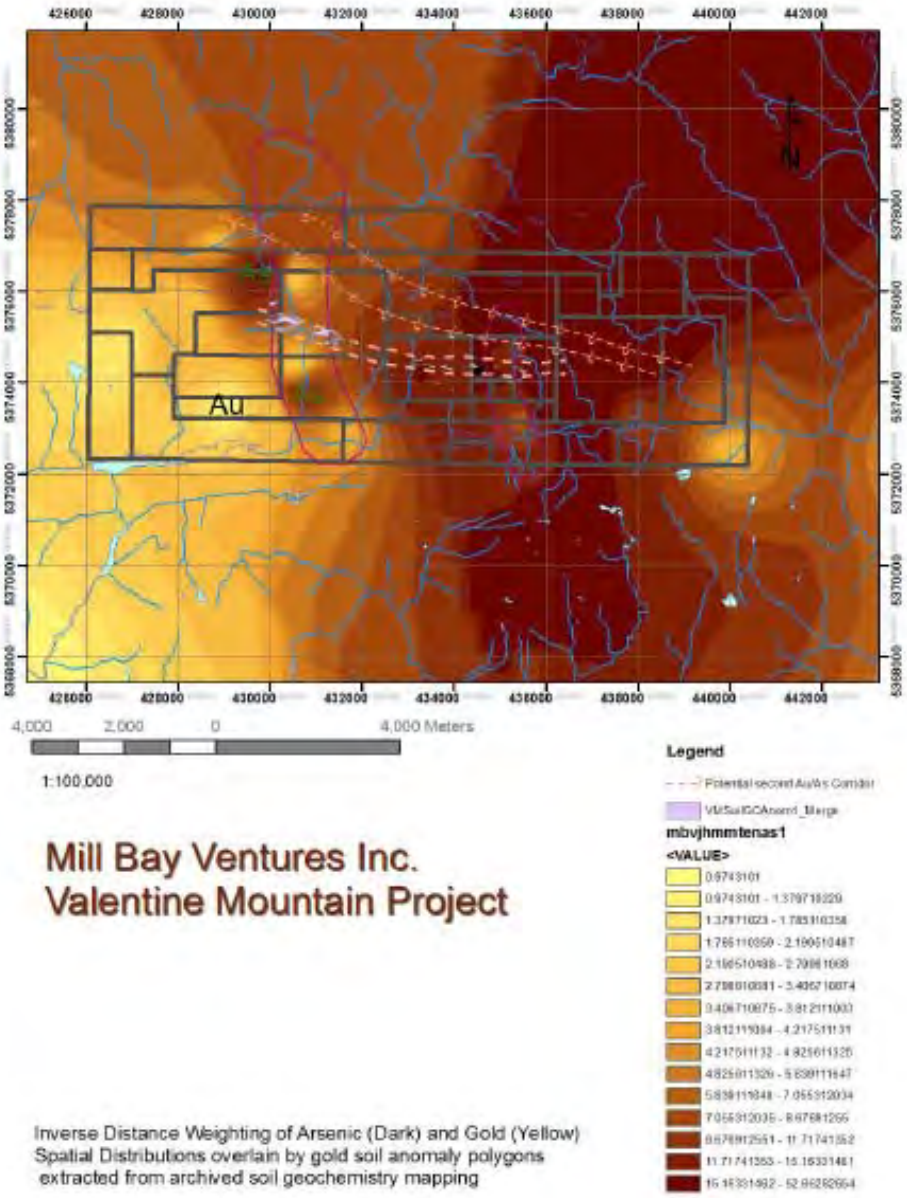
Detail Showing the Correlation of the Sample Location Points (red) in '36' Trench And the trends and locations of intersecting linear features (Dominant blue and recessive purple). These Lineaments were extracted for the Enhanced Lee 6x6 box filtered image of Radarsat 2 Fused (Blue) and the Radarsat 2 texture by convolution (purple).

Figure 17



Thumbnail of the Trench target Area and two sections of the longer intersecting lineaments over Texture analysis of the Radarsat2 Fused image lines have been purposely left off to show the linear features in their absence.

Figure 18



Mapped Spatial Distributions of Au and As in Moss Matt Sample Data disclosing the alternating arsenic/ gold (Au-As) distributions.

Conclusions

The development of the Valentine Mountain Project data base coupled with remote sensing image and data fusion was successful in resolving previously undetected subsurface features. Many of these features are not correlated to surface features and are therefore considered to represent less permeable buried surfaces such as regolith. In some areas the overburden is of greater than penetratable depth, is water laden or of a consistency that resists radar penetration. In these cases there are sufficient co-linear features to provide continuity by inference.

Due to the level of physical and mineralogical alteration reportedly inherent in the target area these linear features represent a significant increase in the information regarding the structures which in their roles as conduits and controls typically define mineral occurrence.

Of note are three remotely sensed feature groups of primary interest:

- Arcuate and circular feature shapes in spectral mineral mapping correlate with the previous geological mapping and may provide greater accuracy in the detection of geological contacts and zones of alteration.
- Arcuate lineament feature zones and the linear feature zones which may define an interface between ductile (arcuate) and brittle (erratic) rocks. (BC 2010 assessment report Appendix v) These areas are deemed of importance in the deposition of mineralization in general and have been identified by A. Kikauka P. Geo. as target host environments at the Valentine Property. *"Gold bearing quartz veins are likely to change mineralogy as they are traced to depth. Geological modelling suggests quartz dominant gangue changes to a sulphide-rich gangue. The change in mineralization may be enhanced by constraining brittle ductile Lithological changes and/or fold hinges."* (Appendix v)

- The identification by remote sensing of a correlation between the main trench and two dominant intersecting lineaments. The location of the trench when accurately referenced is found along trend of one dominant line, with the area within the trench which continued the highest reported values (and included visible gold) located at the intersection of the second cross cutting dominant linear feature. These features are consistent with the target parameters expressed by Kikauka, A 2002-*"Particular attention should be focused on minor flexures and/or cross faulting along the main east-west trending, steep south dipping quartz vein zones".* Both of these lines are paralleled by multiple linear features. These linear intersections should be tested for their potential mineralization. (Appendix vi)

It has been reported by L.H. Fairchild (1979) Gay A. Wingert (1984) and summarized by A. Kikauka P. Geo. (2002) that at least two successive periods of geological activity have fractured, and faulted the rocks in the project area. This is supported by three sets of lineaments with common patterns but with 3 different sets of orientations which may allude to a third episode or event.

Gold and Arsenic values in moss matt sample data extracted from the BC Geological Survey's ,Regional Geochemical Survey data when coupled with J. Houle's moss matt data while incomplete, reveal zones where there is sufficient sample spatial distribution for analyses. The Spatial distributions of Gold and Arsenic extracted and integrated with the Don MacIntyre, Ph. D., P. Geo., GIS of Au soil geochemistry anomaly polygons reveal a significant alternation pattern.

Recommendations

The Fusion of data and construction of a project model is an iterative venture which needs continued development and maintenance.
The conclusions of the analyses disclosed in this report represent the statistical modelling of remotely sensed data and its relation to archived georeferenced geological information.
In order to become reliable the conclusions reached in this work need to be tested by ground truthing. The work suggested is in part to conduct a continuation of the moss matt and soil work that was started by J. Houle, and an examination of the image features as potential geological structure that may be of import in disclosing the nature of gold deposition at the Valentine property. A remote sensing project in the form of ground based spectrometry or gravity survey may reinforce lineament correlation and further resolve drill target vectors.
Exploration of the areas of linear feature intersections identified within the 50 metre radius of the B Trench High Grade Zone should be conducted.
Because the geology has been described by previous explorationists as somewhat enigmatic, these new tools provide a basis for extracting drilling or underground exploration targets. This is a property which has significant potential for development particularly in light of the current gold price.

REFERENCES

Jacques Houle P. Eng. 2009 BC Assessment Report 31271
Andris Kikauka, P. Geo. 2005 **Geochemical and Diamond Drilling report on the Valentine Claim Group** BC Assessment Report 27726
J. Houle P. Eng. 2004 **Baseline environmental Monitoring, geotechnical assessment, decommissioning and reclamation, GIS based compilation and Diamond Drilling report on the Valentine Mountain Property BC** Assessment Report 27360
G. A. Wingert B. Sc., 1984 Thesis entitled: **Structure and Metamorphism of the Valentine Mountain Area, SW Vancouver Island B.C.**
L. H. Fairchild M.Sc., 1979 Thesis entitled: **Structural and Metamorphic Analysis of the Leech River Complex**

Associated ARIS #s:
6298; 6598; 6844; 8678; 9050; 10110; 11398; 12642; 14640; 14691; 15509; 16409; 16818; 17259; 17381; 17949; 17950; 17998; 18813; 18827; 18900; 18901; 18955; 19358; 19359; 19362; 20100; 22683; 24345; 24431; 25024; 25243; 25244; 25245; 25577; 25806; 26183; 26517; 26774; 27107; 27360; 27726; 30402

Associated Minfile #s:
Valentine Mountain 092B 108; Leech River 092B102; Jordan River 092B109 BPEX 092B 075; PEG 092B111

Spectral Analysis References

Krause, Fred A, 2003; Advances in Hyperspectral Remote Sensing for Geologic Mapping and Exploration: Analytical Imaging and Geophysics; Boulder, CO

Micro Images, Inc; An Introduction to Hyperspectral Imaging:
http://www.microimages.com/getstart/pdf/hyprspec.pdf

Natural Resources Canada; Hyperspectral Remote Sensing
http://www.ccrs.nrcan.gc.ca/ccrs/misc/issues/hyperview_e.html

King, T.V.V., Clark, R.N., Ager, C., and Swayze, G.A., 1995; Remote mineral mapping using AVIRIS data at Summitville, Colorado and the adjacent San Juan Mountains. *Proceedings: Summitville Forum '95,* H.H. Posey, J.A. Pendelton, and D. Van Zyl Eds. Colorado Geological Survey Special Publication 38, p. 59-63

Ranjbar, Hojjatollah and Shahriari, Hadi and Honarmand, Mehdi, 2003; Integration of ASTER and Airborne Geophysical Data for Exploration of Copper Mineralization, a Case Study of Sar Cheshmeh Area: Department of Mining Engineering, Department of Geology, Faculty of Science, Shahid Bahonar University of Kerman, Kerman, Iran.

Statement of Work

This Work was conducted for the Owner, Mill Bay Ventures Inc. on their Valentine Mountain mineral tenures by Auracle Geospatial Science Inc. as a Remote Sensing and geospatial analysis mineral exploration project.
The Work was conducted with the guidance and assistance of Jacques Houle. P. Eng. who consulted on the project for Mill Bay ventures Inc.
Work was conducted between December 20, 2009 and May 2, 2010 and is as disclosed in the Attached Statement of Costs.

David McLelland/ Auracle Geospatial Science Inc.

Statement of Qualification

I, David J. McLelland, do hereby certify that:

1. I am a Principal in:
Auracle Geospatial Science Inc,
325 Dorset Road Qualicum Beach,
British Columbia, Canada V9K 1H5

2. I am a post graduate student of Earth and Environmental Science and have received a Post Graduate Diploma in applied and theoretical GI Science from Simon Fraser University, and have received a Master of Science in GI Science in Remote Sensing with Distinction from Manchester Metropolitan University.

3. I have completed the B.C.I.T. B.C.Y.C.M. Mineral Exploration program, and Completed the B.C.I.T.1 B.C.Y.C.M. Advanced field School.

4. I am the Project Manager and I am responsible for the collection and management of data and execution of analysis.

5. This report was prepared on behalf of Auracle Geospatial Science who has been engaged by Mill Bay Ventures Inc. to complete a work program on these properties.

6. I have no material or financial interest in the subject properties or the companies that own them.

7. This report has been prepared in accordance with generally accepted Scientific
Principles and is based upon the best information available at the time of preparation.
I am not aware of any material fact or material change with respect to the subject matter of the report that is not reflected in the report.

Date: May 1 2010
Qualicum Beach, British Columbia

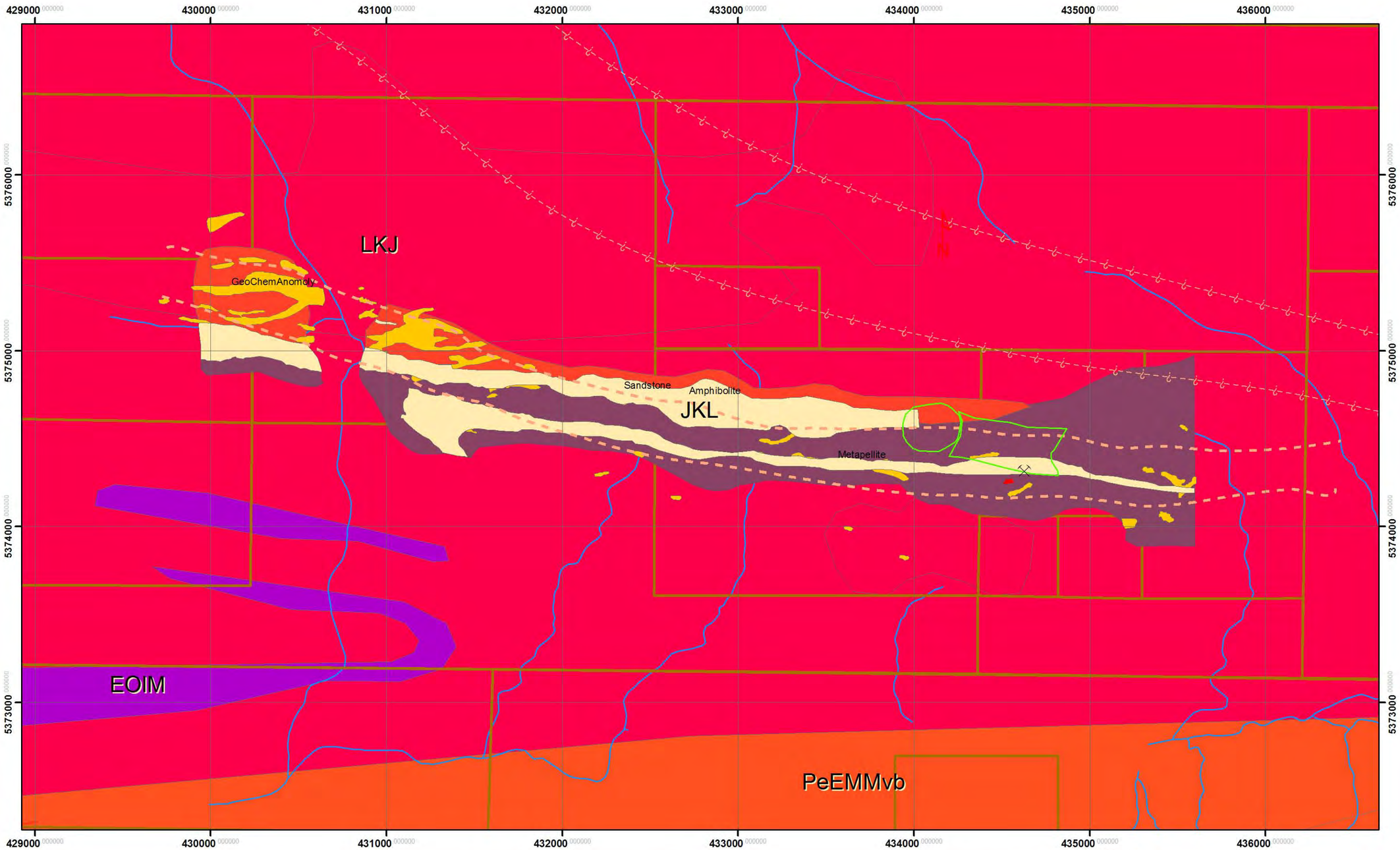
_____

_____

Statement of Costs

SW BC								
Mill Bay Ventures								
2010 Work	Budget and Actual May 4 2010							
Project Area: ***Valentine Mountain Tenure Group***					***With Rsat2***			
Cost Categories		Type	Descript	Units	Rate	#	Qty	extended
Personnel								
	Project Manager			$/Day(8hr.)	$600.00	1	1	$600.00
	QP			$/Day(8hr.)	$650.00	1	8	$705.60
	Field Assistants			$/Day(8hr.)	$350.00	1	0	$0.00
	GIStech			$/Day(8hr.)	$275.00	1	5	$1,375.00
	Geospatial Analyst			$/Day(8hr.)	$600.00	1	25	$24,000.00
	Remote Sensing Analyst			$/Day(8hr.)	$625.00	1	2	$1,250.00
Travel								
	Lodging	R and Board		$/Day/Person				
	Lodging Short Stay	R and B	QP	$/Day/Person				
	Meals		travel	$/Day/Person				
	Vehicle			$/Kilometre				
	Fuel	Unimog						
	Fares	Ferry						
		Ferry Passenger						
Misc Costs								
	Materials	Flags						
	Supplies							
	Misc.							
Communications								
	Satellite			$/Week				
	Sat Phone			$/month				
	Radio			$/Week				
Field Equipment Rental								
	Unimog			$/Day				
	Generator			$/Week				
	Dryer heater			$/Month				
	ATV			$/Day				
	Aircraft	J Ranger		$/Hour				
		Mob & D	fuel inc	$/Minute				
		Daily	fuel inc	$/Minute				
		L Ranger						
Tech Equipment Rental								
	Computer			$/Day		1	0	$0.00
	CDGPS			$/Day				
	Gamma Ray Spectrometer			$/Week				
	SWIR Spectrometer			$/Week				
Sampling equipment Rental								
	Soil Probe		portable	$/Week				
	Tips		wet cutti	$each				
	Core Tubes	36"	clr vinyl	$ per set of 15				
SampleAnalysis								
	Sample cutting			$/per				
	Sample prep		RC					
	Drying		onsite	$/week				

	Sample Bags			$each				
	Microscopy			$/per				
	Chemical analysis		lithogeo	$perSample				
	Metallurgical analyses							
	Shipping							
Fuel								
	ATV			$/Day				
	Probe			$/Day				
	Heater		dryer	$Day				
Data Acquisition								
	ASTER							$80.00
	TRIM							
	GeoEye							
	Air SAR	Rsat						$5,995.00
	Scanning Digital	36"	map	per lin inch	$0.50	2,736	47	$1,368.00
	Digitization	processing						$1,125.00
Mapping and Reporting								
	Mapping							$400.00
	Reporting	ppt						$550.00
	Priniting and copying							$125.00
Licences and Permits								
	Exploration Permit							
	Bond							
	WCB	inc						
	Insurances	Equipment						
		Liability						
	ATV	in rental						
Total								$37,573.60



2,000 1,000 0 2,000 Meters

1:20,000

UTM 10N NAD83

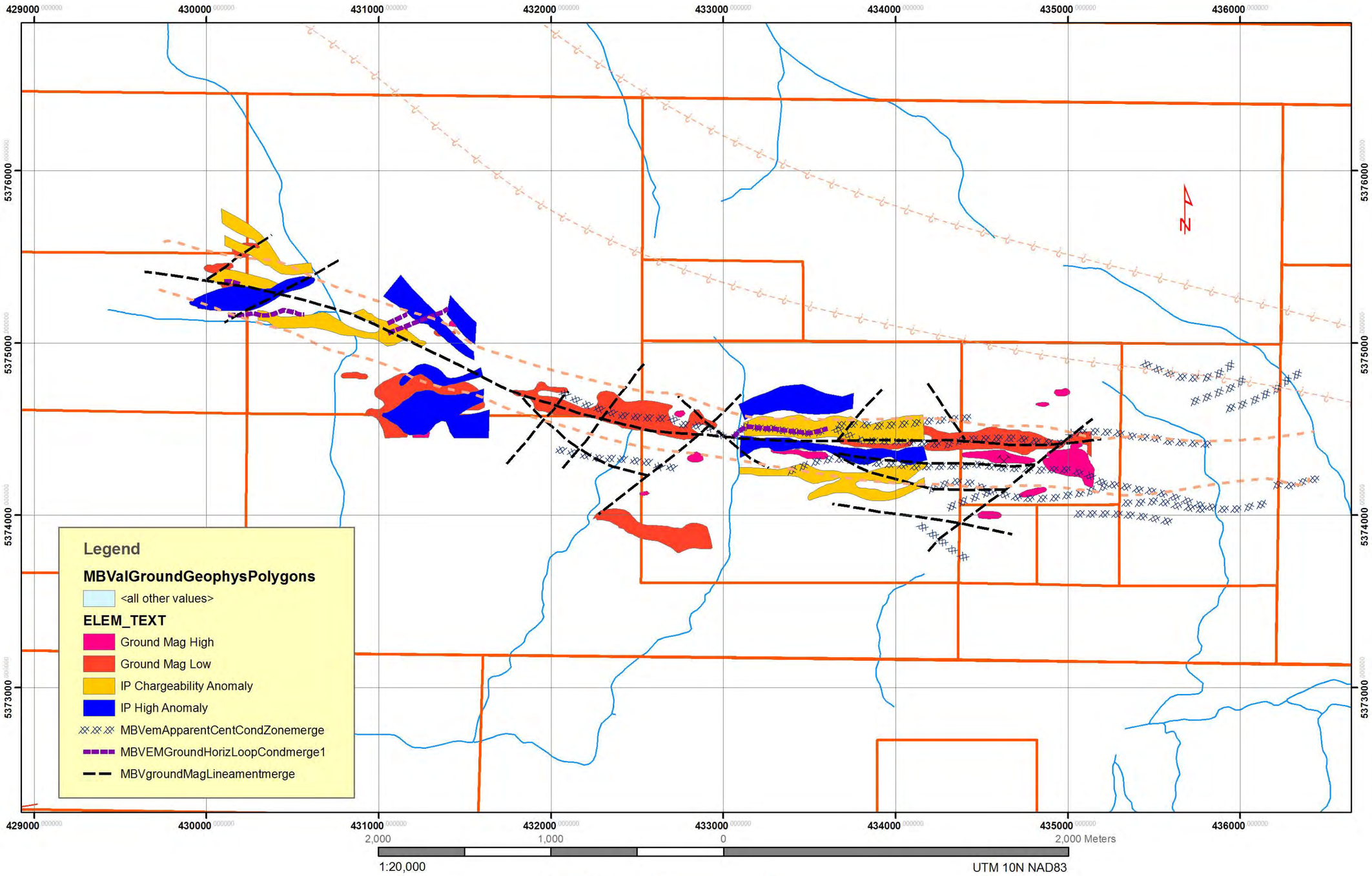
Legend

MBV_VM_MaclSoilandRockTypes

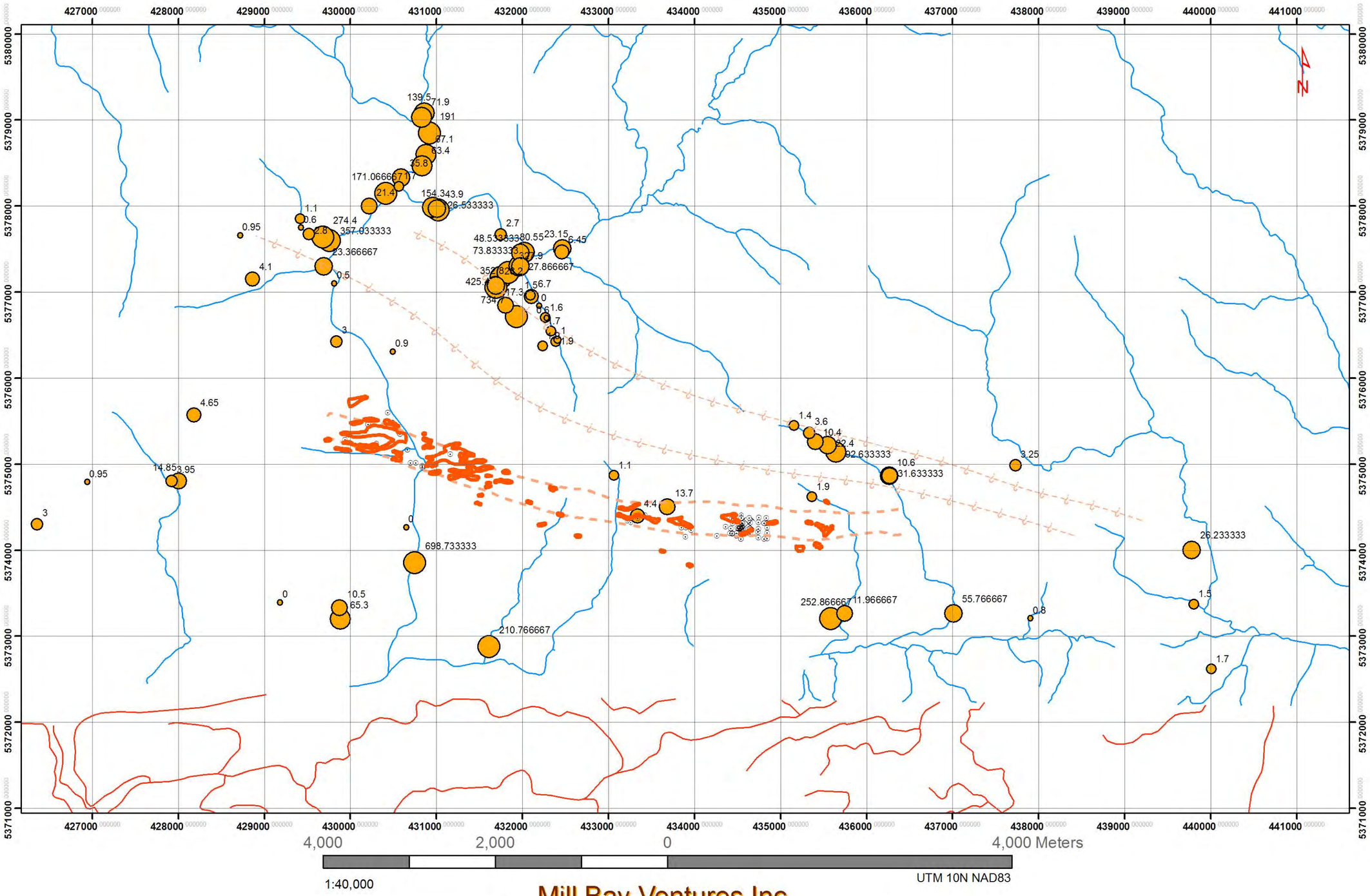
ELEM_TEXT

- Amphibolite
- GeoChemAnomoly
- Metapellite
- Sandstone

Mill Bay Ventures Inc.
Valentine Mountain Project
Inegrated Project Geology and Regional Geology

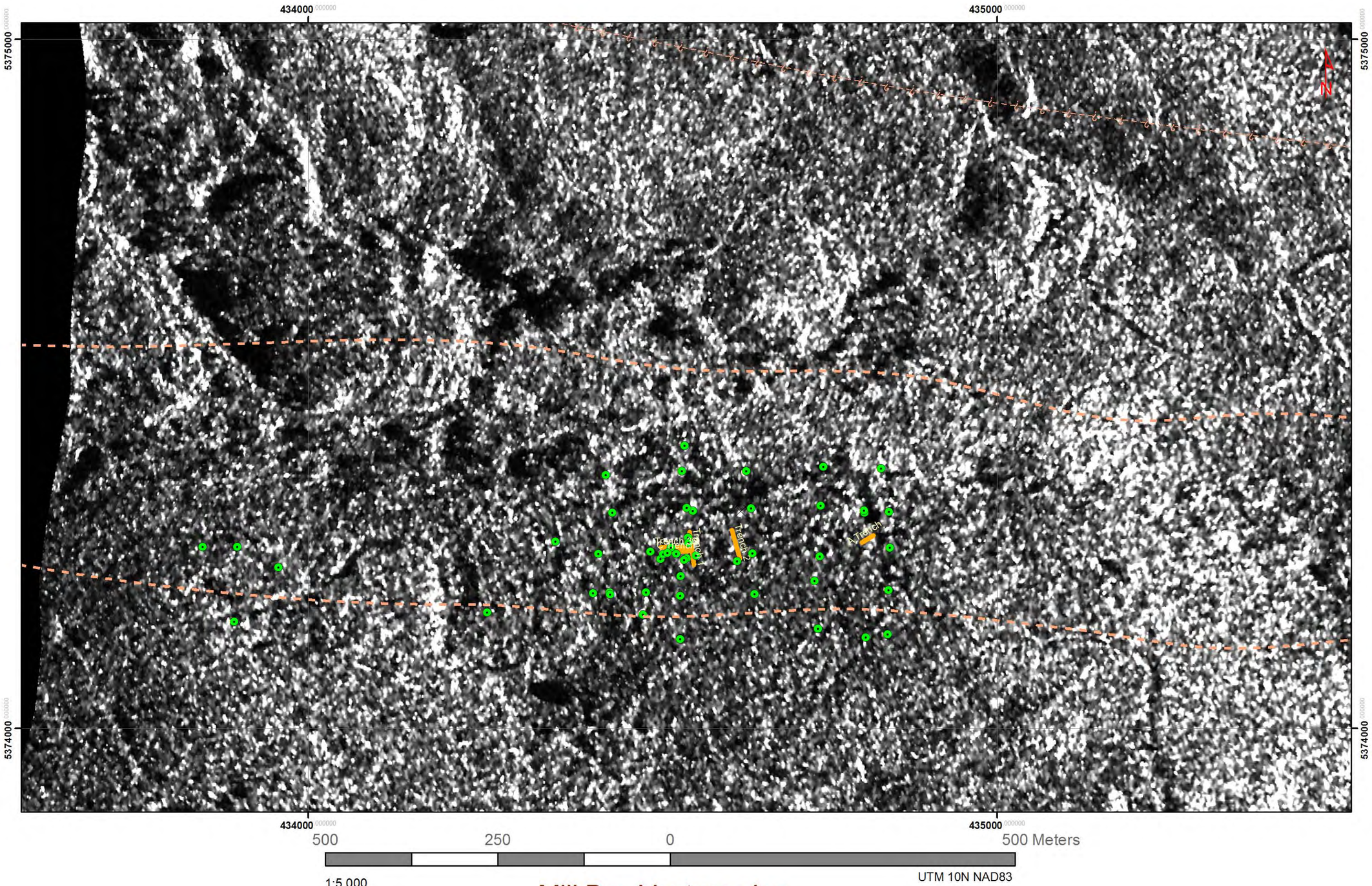


Mill Bay Ventures Inc.
Valentine Mountain Project
Inegrated Geophysics Interpretations

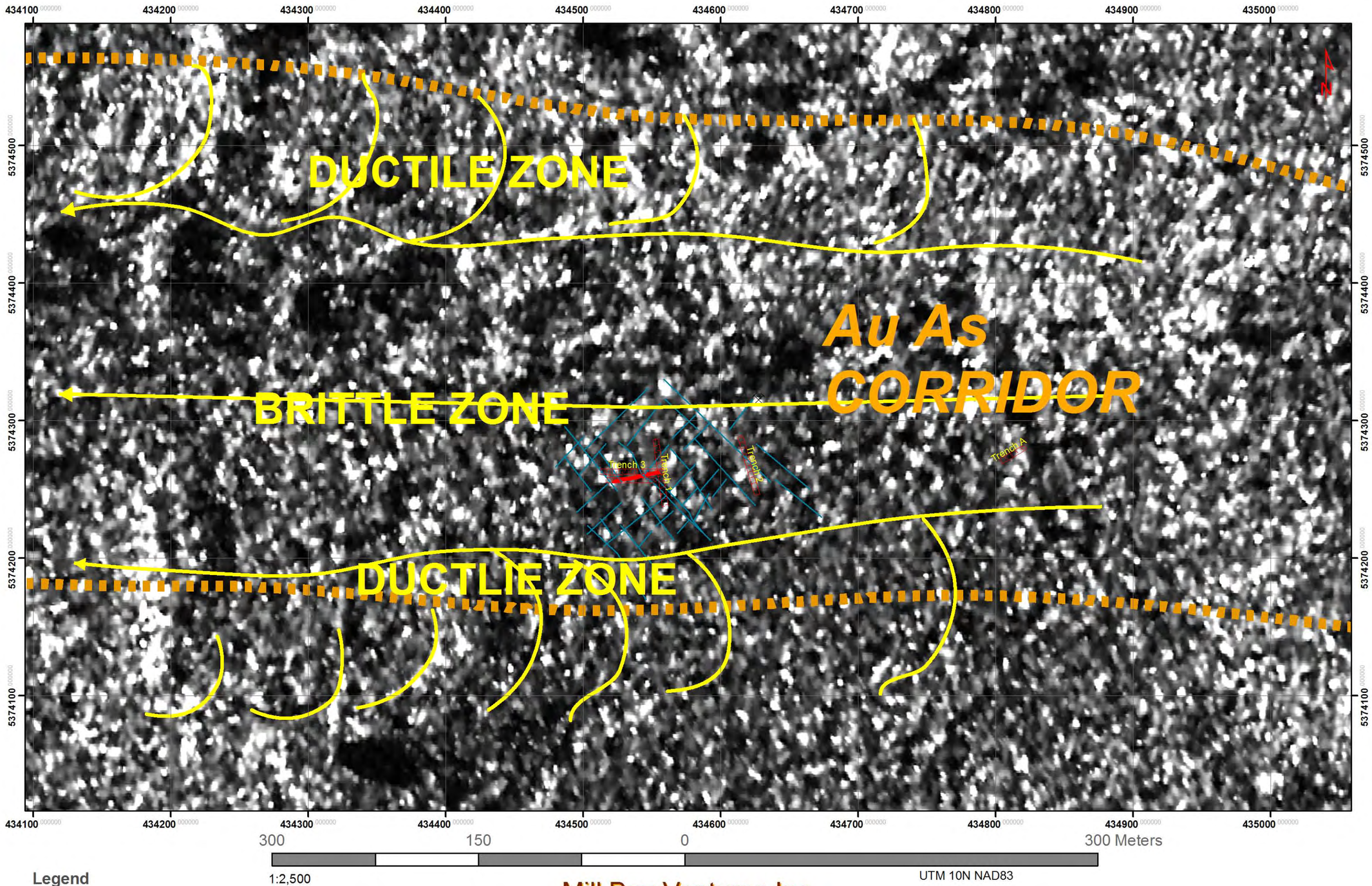


Mill Bay Ventures Inc.
Valentine Mountain Project
Inegrated Sampling and Drilling Locations

Legend



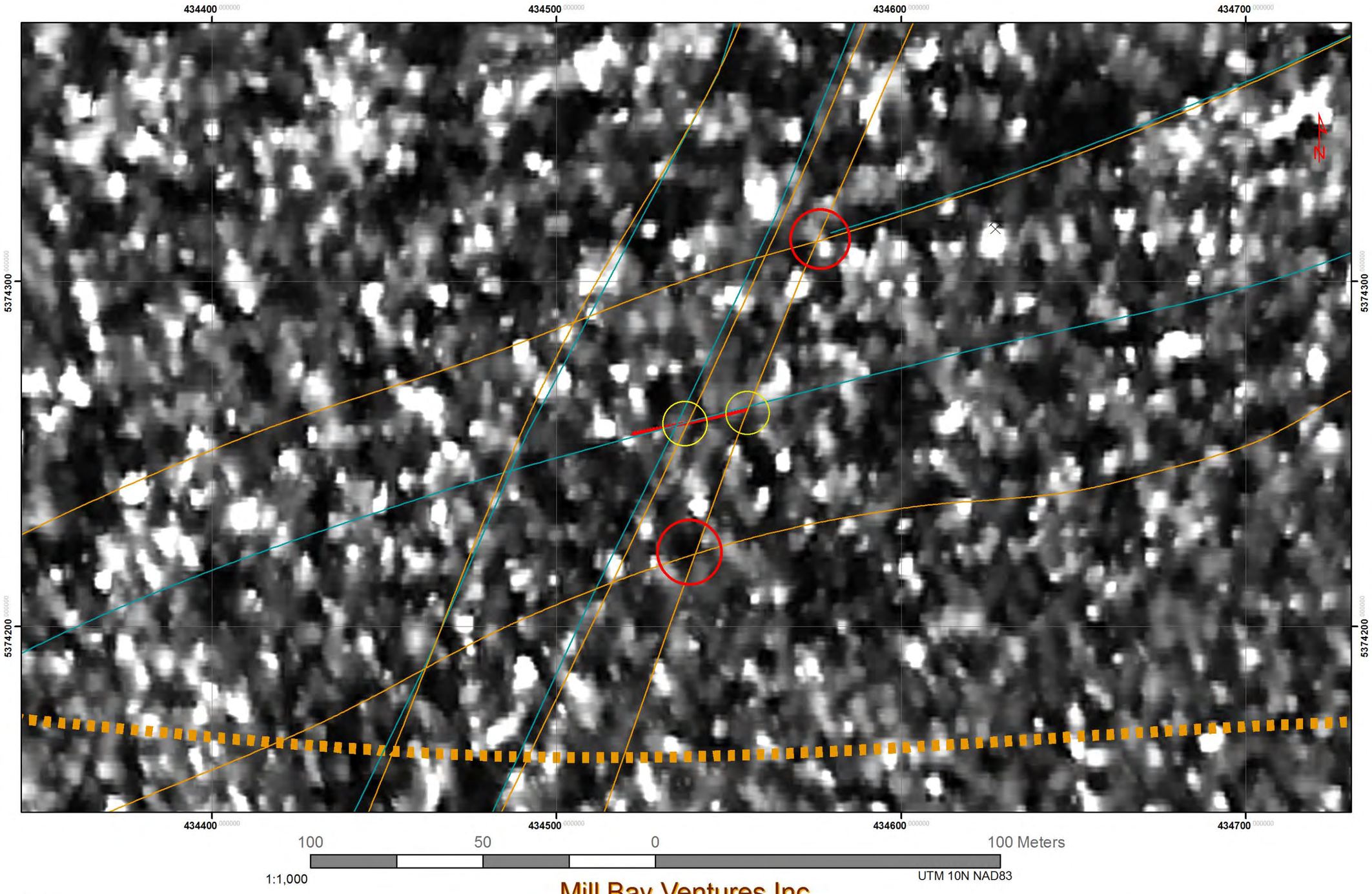
Mill Bay Ventures Inc.
Valentine Mountain Project
Drilling Collar and TrenchLocations
Within Radarsat 2 Fused Image



Legend

- MBValSTrendDuctiles1_Merge
- Au/As Corridor
- MBVValTrench1_Merge
- MBValRsatDepositScaleLine1_M

Mill Bay Ventures Inc.
Valentine Mountain Project
Ductile/Brittle Lineament Interface and Trench Map
Within the Au As Corridor of the Radarsat 2 Fused Image



Mill Bay Ventures Inc.
Valentine Mountain Project
Intersecting Lineaments relative to High Grade Trench Sample points and Radarsat 2 Fused Image

Legend

- MBVValRsatLinesSubParII_3
- MBVValRsatEnLee6x6Line1_Merg
- MBVTrench36Samples

HighGrade Gold Zone

Potential Target Zone

Appendix 5

2011 Soil and Rock Geochemistry Report

Pioneer Laboratories Inc.

February 22, 2011

PIONEER LABORATORIES INC. **#103-2691 VISCOUNT WAY RICHMOND, BC CANADA V6V 2R5** **TELEPHONE (604) 231-8165**

G E O C H E M I C A L A N A L Y S I S C E R T I F I C A T E

MILL BAY VENTURES INC.

Multi-element ICP Analysis - 0.500 gram sample is digested with 3 ml of aqua regia, diluted to 10 ml with water. This leach is partial for B, Ba, Cr, Fe, Mg, Mn, Na, P, S, Sn, Ti and limited for Na, K and Al. *Au Analysis- 20 gram sample is digested with aqua regia, MIBK extracted, and is finished by AA or graphite furnace AA.

Project: Valentine BN
Sample Type: Soils/Rocks

Analyst _____
Report No. 2110946
Date: February 22, 2011

ELEMENT SAMPLE	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	S %	Sb ppm	Sn ppm	Sr ppm	Te ppm	Ti %	Tl ppm	V ppm	Zn ppm	*Au ppb
L430850E 5374900N	.2	1.58	34	<5	115	<10	.16	1	19	35	14	1.77	.21	.61	1040	2	.04	13	.04	18	.05	5	<2	10	<5	.10	<5	49	50	1
L430850E 5374925N	.3	1.87	20	<5	109	<10	.19	1	8	45	24	2.79	.24	.84	252	1	.05	18	.05	21	.03	<2	<2	8	<5	.13	<5	72	35	1
L430850E 5374950N	.5	2.01	36	<5	197	<10	.20	2	11	48	40	2.87	.45	1.00	324	1	.05	22	.07	69	.03	10	<2	9	<5	.14	<5	71	126	2
L430850E 5374975N	.3	2.25	42	<5	155	<10	.15	1	13	50	31	2.97	.33	.90	415	1	.04	20	.06	24	.01	2	<2	7	<5	.15	<5	76	46	1
L430850E 5375000N	.2	1.65	71	<5	81	<10	.11	1	8	35	17	2.84	.18	.77	338	1	.04	14	.02	20	.02	3	<2	6	<5	.09	<5	57	45	35
L430850E 5375025N	.2	1.89	74	<5	115	<10	.18	2	11	40	20	2.79	.25	.83	472	2	.04	15	.04	17	.03	2	<2	11	<5	.11	<5	59	51	18
L430850E 5375050N	.6	1.90	99	<5	110	<10	.19	2	15	43	19	2.68	.21	.81	608	3	.04	19	.03	19	.01	<2	<2	12	<5	.10	<5	58	53	12
L430850E 5375075N	.3	3.61	19	<5	76	<10	.06	2	10	63	35	3.63	.14	1.00	296	1	.03	21	.01	39	.04	<2	<2	7	<5	.18	<5	76	65	1
L430850E 5375100N	.2	.66	20	<5	100	<10	.89	<1	5	11	11	.90	.04	.17	137	2	.04	5	.04	11	.07	3	<2	53	<5	.05	<5	28	28	1
L430900E 5374800N	.3	2.44	29	<5	112	<10	.08	1	9	44	53	2.40	.24	.73	225	1	.04	29	.05	24	.01	3	<2	6	<5	.10	<5	54	35	20
L430900E 5374825N	.3	4.56	62	<5	120	<10	.06	2	14	70	77	4.72	.23	1.12	312	1	.04	39	.09	47	.04	<2	<2	5	<5	.09	<5	104	56	11
L430900E 5374850N	.4	2.86	26	<5	126	<10	.10	2	12	52	39	3.47	.22	.75	305	1	.04	22	.08	30	.03	3	<2	7	<5	.12	<5	93	43	1
L430900E 5374875N	.7	2.21	5	<5	174	<10	.18	2	10	53	35	3.04	.44	1.03	394	1	.05	23	.07	20	.01	2	<2	8	<5	.13	<5	73	53	1
L430900E 5374900N	.2	1.85	9	<5	170	<10	.20	1	11	37	27	2.30	.38	.75	363	1	.04	17	.06	18	.04	<2	<2	11	<5	.12	<5	58	41	2
L430900E 5374925N	.2	2.14	29	<5	160	<10	.16	1	12	42	28	2.50	.34	.76	366	1	.04	18	.07	24	.01	6	<2	10	<5	.14	<5	65	42	3
L430900E 5374950N	.6	3.78	57	<5	114	<10	.11	2	7	55	29	3.24	.18	.70	217	1	.04	15	.05	34	.02	<2	<2	7	<5	.18	<5	82	41	1
L430900E 5374975N	.3	1.70	42	<5	88	<10	.15	2	9	35	55	2.18	.17	.56	269	1	.04	12	.04	143	.04	4	<2	8	<5	.13	<5	61	251	35
L430900E 5375000N	.5	2.62	182	<5	62	<10	.08	2	7	50	33	4.26	.09	.60	160	1	.04	14	.05	51	.01	<2	<2	6	<5	.23	<5	119	94	7
L430900E 5375025N	.2	1.43	73	<5	58	<10	.12	1	16	29	18	2.32	.11	.39	333	1	.04	9	.06	24	.02	<2	<2	8	<5	.12	<5	63	43	20
L430900E 5375050N	.2	1.88	102	<5	76	<10	.15	2	12	39	28	2.95	.14	.72	322	1	.04	15	.05	20	.02	<2	<2	9	<5	.16	<5	75	56	12
L430900E 5375075N	.2	2.96	54	<5	53	<10	.06	2	6	40	21	2.85	.12	.46	162	1	.04	9	.06	34	.03	<2	<2	5	<5	.15	<5	73	39	6
L430900E 5375100N	.2	1.13	48	<5	43	<10	.10	<1	19	20	12	1.79	.07	.27	478	1	.03	5	.03	14	.02	<2	<2	6	<5	.11	<5	52	25	39
L430900E 5375125N	.2	2.53	95	<5	80	<10	.12	2	9	43	29	3.09	.16	.73	278	1	.04	14	.06	29	.04	5	<2	7	<5	.17	<5	74	65	15
L430900E 5375150N	.3	2.01	145	<5	107	<10	.17	1	10	35	36	2.37	.26	.74	348	1	.04	18	.05	21	.01	7	<2	11	<5	.12	<5	57	58	9
L430900E 5375175N	.2	2.31	212	<5	62	<10	.11	2	9	39	28	3.05	.12	.64	232	1	.04	14	.04	32	.02	4	<2	7	<5	.17	<5	74	57	9
L430900E 5375200N	.6	3.04	284	<5	80	<10	.16	2	15	51	32	3.46	.16	.92	330	2	.04	24	.05	29	.02	3	<2	12	<5	.18	<5	73	77	8
L430950E 5374850N	.2	3.88	8	<5	48	<10	.26	1	7	63	36	2.91	.10	.54	178	1	.07	14	.11	32	.04	<2	<2	26	<5	.16	<5	64	32	2
L430950E 5374875N	.2	1.94	20	<5	210	<10	.24	1	10	48	26	2.60	.51	.94	312	1	.06	20	.08	15	.03	7	<2	11	<5	.12	<5	68	43	3
L430950E 5374900N	.2	1.88	41	<5	203	<10	.23	1	11	46	27	2.70	.58	.98	346	1	.05	21	.09	20	.01	7	<2	8	<5	.13	<5	70	49	2
L430950E 5374925N	.2	2.36	45	<5	104	<10	.20	2	21	43	28	3.00	.21	.82	445	1	.04	20	.05	24	.04	4	<2	9	<5	.17	<5	71	58	5
L430950E 5374950N	.2	.61	22	<5	14	<10	.06	<1	3	16	7	2.32	.01	.10	46	1	.03	3	.01	8	.02	3	<2	3	<5	.16	<5	95	11	2
L430950E 5374975N	.2	1.42	53	<5	58	<10	.10	1	5	27	14	2.39	.07	.33	246	1	.04	7	.04	19	.01	<2	<2	6	<5	.13	<5	69	34	12
L430950E 5375000N	.3	1.58	66	<5	100	<10	.11	1	6	36	21	2.66	.15	.60	207	2	.04	11	.01	18	.04	4	<2	7	<5	.12	<5	62	39	33
L430950E 5375025N	.2	1.90	103	<5	112	<10	.28	1	13	38	20	2.38	.10	.53	404	1	.04	15	.04	22	.03	2	<2	18	<5	.11	<5	56	51	54
L430950E 5375050N	.2	2.06	120	<5	117	<10	.32	1	16	41	23	2.48	.18	.68	564	1	.04	18	.05	23	.04	4	<2	17	<5	.12	<5	57	56	19
L430950E 5375075N	.4	1.69	113	<5	53	<10	.06	1	6	27	14	2.64	.07	.34	136	1	.04	8	.04	17	.04	4	<2	5	<5	.17	<5	74	33	5
L430950E 5375100N	.2	1.35	55	<5	41	<10	.07	1	4	26	11	2.16	.08	.37	189	1	.03	7	.05	11	.02	<2	<2	4	<5	.14	<5	64	27	6
L431000E 5375000N	.3	1.80	58	<5	101	<10	.15	2	10	38	28	3.54	.10	.70	252	3	.04	14	.07	14	.03	7	<2	12	<5	.21	<5	92	45	14
L431000E 5375025N	.2	1.67	111	<5	98	<10	.22	1	15	39	35	2.40	.15	.64	519	1	.04	17	.06	18	.05	<2	<2	13	<5	.11	<5	55	49	6
L431000E 5375050N	.2	1.98	144	<5	58	<10	.11	2	6	35	13	3.09	.07	.44	169	2	.04	9	.03	26	.01	4	<2	6	<5	.17	<5	83	36	12

ELEMENT	Ag	Al	As	B	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sn	Sr	Te	Ti	Tl	V	Zn	*Au
SAMPLE	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppb
L431000E 5375075N	.2	1.36	73	<5	30	<10	.05	<1	4	22	8	2.15	.05	.29	114	1	.03	10	.01	12	.01	2	<2	5	<5	.14	<5	61	22	23
L431000E 5375100N	.2	1.16	74	<5	33	<10	.04	1	3	19	9	2.33	.04	.26	90	1	.03	5	.02	10	.01	2	<2	7	<5	.13	<5	63	23	65
L431050E 5375000N	.2	.89	32	<5	20	<10	.03	1	1	16	5	2.45	.03	.18	57	1	.03	8	.03	11	.02	<2	<2	2	<5	.14	<5	82	14	60
L431050E 5375025N	.3	1.79	88	<5	31	<10	.05	1	4	26	11	2.81	.06	.37	106	1	.03	7	.04	18	.03	2	<2	5	<5	.15	<5	73	29	1
L431050E 5375050N	.2	.83	50	<5	32	<10	.04	1	3	18	7	1.88	.05	.24	88	1	.03	5	.02	10	.01	<2	<2	3	<5	.11	<5	71	17	18
L431050E 5375075N	.2	.47	36	<5	16	<10	.03	<1	1	8	4	1.30	.03	.07	36	1	.03	2	.02	6	.02	2	<2	2	<5	.08	<5	61	9	15
L431050E 5375100N	.2	.65	44	<5	20	<10	.09	1	2	12	5	2.00	.04	.13	77	1	.03	5	.03	7	.01	3	<2	5	<5	.12	<5	54	13	17
L431050E 5375125N	.2	1.05	210	<5	21	<10	.03	1	3	21	8	2.67	.05	.33	94	1	.03	6	.01	8	.02	4	<2	2	<5	.21	<5	81	31	28
L431050E 5375150N	.3	2.10	247	<5	47	<10	.07	1	6	31	18	2.44	.09	.48	158	2	.03	15	.05	22	.04	3	<2	6	<5	.13	<5	60	33	225
L431100E 5374850N	.2	.87	28	<5	26	<10	.04	1	2	21	8	2.55	.06	.23	68	1	.03	5	.01	14	.03	<2	<2	2	<5	.23	<5	127	11	3
L431100E 5374875N	.3	1.47	6	<5	36	<10	.07	1	4	35	5	2.90	.08	.63	139	1	.03	9	.01	13	.03	<2	<2	2	<5	.28	<5	106	29	2
L431100E 5374900N	.2	1.01	59	<5	83	<10	.37	<1	12	26	15	1.37	.06	.41	736	1	.04	10	.05	20	.05	<2	<2	18	<5	.06	<5	36	35	2
L431100E 5374925N	.2	.73	35	<5	31	<10	.11	2	4	17	31	1.56	.04	.23	93	1	.04	5	.01	107	.02	5	<2	6	<5	.10	<5	58	172	7
L431100E 5374950N	.3	2.04	67	<5	83	<10	.31	2	10	36	27	3.16	.08	.54	325	4	.04	16	.05	43	.02	6	<2	13	<5	.16	<5	88	80	5
L431100E 5374975N	.2	1.17	29	<5	35	<10	.07	1	4	25	13	2.57	.06	.43	131	1	.03	7	.03	15	.04	6	<2	5	<5	.15	<5	73	32	12
L431100E 5375000N	.2	.36	19	<5	42	<10	.03	<1	2	5	4	.55	.05	.11	38	1	.03	2	.02	3	.03	<2	<2	2	<5	.07	<5	34	10	55
L431100E 5375025N	.3	2.83	89	<5	45	<10	.05	1	6	35	25	2.74	.10	.61	166	1	.04	11	.04	29	.02	<2	<2	5	<5	.16	<5	64	42	41
L431100E 5375025N (A)	.2	.96	42	<5	46	<10	.07	<1	3	15	9	1.42	.08	.26	516	1	.03	5	.01	18	.02	2	<2	6	<5	.08	<5	44	27	60
L431100E 5375050N	.3	2.33	94	<5	80	<10	.08	2	8	42	25	3.18	.19	.89	249	1	.04	15	.04	22	.01	<2	<2	7	<5	.16	<5	72	56	47
L431100E 5375075N	.2	.59	129	<5	29	<10	.07	<1	3	9	5	1.04	.02	.15	65	1	.03	5	.03	7	.04	3	<2	4	<5	.06	<5	33	12	14
L431100E 5375100N	.2	.90	23	<5	28	<10	.04	1	2	18	6	2.93	.04	.19	75	1	.03	3	.02	8	.02	9	<2	2	<5	.22	<5	89	22	3
L431100E 5375100N (A)	.3	1.20	121	<5	30	<10	.05	1	3	22	9	2.81	.05	.32	111	2	.03	6	.03	14	.02	<2	<2	3	<5	.16	<5	80	27	8
L431100E 5375125N	.2	1.17	98	<5	51	<10	.06	1	4	21	8	2.07	.10	.36	161	1	.03	7	.04	17	.01	3	<2	2	<5	.15	<5	61	31	2
L431100E 5375125N (A)	.2	.73	54	<5	15	<10	.04	<1	2	13	6	2.01	.04	.18	59	1	.03	2	.02	10	.03	<2	<2	2	<5	.10	<5	68	14	2
L431100E 5375150N	.2	1.05	44	<5	54	<10	.10	<1	4	21	7	2.05	.10	.45	411	1	.04	8	.03	14	.01	<2	<2	6	<5	.14	<5	67	27	11
L431100E 5375150N (A)	.2	1.84	70	<5	32	<10	.06	1	7	35	14	3.02	.06	.62	379	1	.03	11	.05	18	.04	<2	<2	4	<5	.15	<5	73	44	4
L431100E 5375175N	.2	.57	53	<5	16	<10	.04	<1	2	13	5	1.26	.01	.19	65	1	.03	4	.02	5	.04	3	<2	3	<5	.12	<5	50	16	25
L431100E 5375175N (A)	.3	1.39	156	<5	28	<10	.07	<1	4	23	12	2.41	.05	.42	146	1	.03	9	.03	16	.04	<2	<2	5	<5	.16	<5	58	33	2
L431100E 5375200N	.2	.57	34	<5	14	<10	.04	<1	3	12	5	1.38	.03	.18	64	1	.03	5	.01	9	.03	2	<2	3	<5	.11	<5	54	15	2
L431100E 5375200N (A)	.2	.49	60	<5	23	<10	.06	<1	2	7	4	.99	.02	.11	65	1	.03	3	.02	10	.04	2	<2	5	<5	.08	<5	37	11	5
L431100E 5375225N	.3	2.67	50	<5	36	<10	.07	1	4	28	17	2.58	.06	.29	101	2	.04	6	.10	26	.02	6	<2	6	<5	.11	<5	53	33	2
L431100E 5375225N (A)	.2	.60	29	<5	32	<10	.08	<1	3	12	5	1.59	.09	.23	206	1	.03	5	.01	6	.03	5	<2	3	<5	.13	<5	64	15	4
L431100E 5375250N	.2	.45	25	<5	21	<10	.03	<1	2	9	4	1.02	.04	.13	57	1	.04	4	.02	11	.02	2	<2	2	<5	.10	<5	37	11	33
L431100E 5375250N (A)	.2	.83	10	<5	33	<10	.07	<1	4	17	9	2.16	.05	.25	169	1	.03	3	.01	13	.03	<2	<2	4	<5	.17	<5	71	29	2
L431150E 5374850N	.3	1.77	50	<5	30	<10	.12	1	5	33	26	2.35	.06	.48	138	1	.04	13	.02	16	.03	<2	<2	5	<5	.15	<5	69	28	3
L431150E 5374875N	.3	1.40	52	<5	22	<10	.13	<1	3	31	21	2.17	.04	.31	87	1	.04	8	.03	14	.03	<2	<2	7	<5	.14	<5	70	19	2
L431150E 5374900N	.2	1.18	7	<5	47	<10	.16	<1	6	30	19	2.04	.08	.29	582	1	.04	9	.05	16	.02	<2	<2	5	<5	.15	<5	69	41	445
L431150E 5374925N	.3	1.24	32	<5	31	<10	.10	<1	5	28	17	2.24	.07	.37	191	1	.04	8	.03	15	.01	4	<2	6	<5	.16	<5	73	27	4
L431150E 5374950N	.2	.55	38	<5	22	<10	.08	<1	3	15	7	1.43	.05	.20	70	1	.04	5	.02	7	.01	4	<2	2	<5	.14	<5	74	16	1
L431150E 5374975N	.5	1.22	48	<5	24	<10	.06	2	4	24	9	3.52	.06	.28	92	2	.03	6	.04	17	.01	<2	<2	4	<5	.15	<5	93	24	2
L431150E 5375000N	.2	.23	<5	<5	18	<10	.02	<1	1	4	3	.32	.04	.06	26	1	.03	3	.03	1	.02	<2	<2	2	<5	.04	<5	19	8	1
L431150E 5375025N	.2	1.01	51	<5	20	<10	.06	1	3	17	9	2.36	.06	.20	93	2	.03	4	.02	15	.03	<2	<2	3	<5	.11	<5	75	16	1
L431150E 5375050N	.3	1.48	58	<5	36	<10	.03	1	4	27	7	2.75	.12	.56	151	1	.03	7	.03	16	.02	6	<2	2	<5	.19	<5	85	31	2
L431150E 5375075N	.3	1.93	136	<5	32	<10	.08	1	5	30	17	2.76	.06	.43	206	2	.03	10	.04	15	.03	<2	<2	5	<5	.13	<5	69	33	23
L431150E 5375100N	.2	1.29	436	<5	38	<10	.12	1	8	25	12	2.23	.07	.47	239	1	.04	9	.01	13	.02	4	<2	6	<5	.11	<5	51	40	11
L431150E 5375125N	.2	.61	49	<5	59	<10	.10	1	13	8	31	1.01	.03	.17	500	1	.04	6	.04	105	.02	<2	<2	5	<5	.06	<5	31	186	68
L431150E 5375150N	.2	.56	30	<5	20	<10	.02	<1	1	10	10	1.00	.04	.19	49	1	.03	4	.03	24	.01	3	<2	2	<5	.08	<5	50	42	25
L431150E 5375175N	.5	1.53	151	<5	33	<10	.03	1	4	28	14	3.29	.09	.46	151	1	.03	7	.02	21	.02	<2	<2	3	<5	.20	<5	90	47	610
L431150E 5375200N	.2	.39	9	<5	19	<10	.04	<1	3	7	10	1.03	.03	.15	74	1	.03	4	.01	6	.02	<2	<2	2	<5	.12	<5	44	17	2
L431150E 5375225N	.2	.57	45	<5	36	<10	.05	<1	4	11	9	1.46	.01	.18	153	1	.03	6	.03	12	.02	3	<2	4	<5	.17	<5	60	31	7

ELEMENT	Ag	Al	As	B	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sn	Sr	Te	Ti	Tl	V	Zn	*Au
SAMPLE	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppb
L431150E 5375250N	.3	.73	28	<5	23	<10	.04	<1	3	12	6	1.57	.04	.19	98	1	.03	4	.02	15	.04	<2	<2	2	<5	.14	<5	61	24	1
L431150E 5375275N	.3	1.12	21	<5	41	<10	.07	<1	9	17	7	1.84	.05	.37	181	1	.03	6	.01	16	.02	6	<2	5	<5	.15	<5	49	40	1
L431150E 5375300N	.2	.81	13	<5	29	<10	.03	<1	3	16	4	1.24	.09	.34	109	1	.04	4	.03	6	.02	<2	<2	2	<5	.20	<5	60	18	2
L431200E 5374850N	.3	1.85	49	<5	24	<10	.10	1	5	48	23	2.55	.05	.39	105	1	.04	14	.02	15	.04	4	<2	6	<5	.16	<5	73	23	1
L431200E 5374875N	.2	.72	72	<5	26	<10	.09	<1	3	16	7	1.44	.03	.19	65	1	.04	5	.03	10	.02	3	<2	5	<5	.09	<5	54	17	2
L431200E 5374900N	.3	1.32	57	<5	47	<10	.13	<1	12	22	12	1.64	.06	.39	168	1	.04	11	.04	14	.01	4	<2	8	<5	.10	<5	41	28	1
L431200E 5374925N	.2	1.06	27	<5	46	<10	.14	<1	6	17	9	1.17	.07	.35	125	1	.04	7	.01	10	.03	<2	<2	9	<5	.08	<5	32	23	5
L431200E 5374950N	.2	2.46	127	<5	40	<10	.08	1	7	40	19	2.90	.08	.58	168	1	.04	12	.04	22	.02	<2	<2	5	<5	.16	<5	69	40	3
L431200E 5374975N	.2	.75	46	<5	31	<10	.06	<1	3	14	6	1.35	.02	.16	60	1	.03	3	.03	9	.04	<2	<2	2	<5	.07	<5	45	15	665
L431200E 5375000N	.2	.59	51	<5	15	<10	.05	<1	2	13	5	1.30	.04	.19	59	1	.04	4	.04	11	.02	2	<2	3	<5	.10	<5	50	11	19
L431200E 5375025N	.3	4.51	129	<5	41	<10	.07	2	8	57	27	3.66	.08	.61	194	1	.03	17	.06	44	.03	3	<2	5	<5	.18	<5	81	42	24
L431200E 5375050N	.4	2.64	142	<5	96	<10	.11	1	15	42	25	2.78	.17	.95	358	1	.04	20	.05	27	.02	3	<2	6	<5	.14	<5	63	70	90
L431200E 5375075N	.2	.92	128	<5	39	<10	.06	<1	4	25	16	1.65	.13	.47	111	1	.04	11	.01	11	.01	<2	<2	2	<5	.13	<5	63	23	375
L431200E 5375100N	.2	.89	40	<5	33	<10	.08	<1	3	18	6	1.90	.10	.32	121	1	.03	5	.04	10	.01	<2	<2	4	<5	.16	<5	60	18	11
L431250E 5374850N	.2	3.77	51	<5	50	<10	.12	1	13	49	43	2.95	.07	.50	171	1	.04	27	.06	33	.03	5	<2	7	<5	.14	<5	71	39	3
L431250E 5374875N	.3	1.99	25	<5	31	<10	.08	1	6	37	34	2.12	.06	.44	125	1	.04	14	.01	18	.02	4	<2	5	<5	.16	<5	53	25	7
L431250E 5374900N	.2	1.10	132	<5	14	<10	.06	1	5	29	10	2.13	.04	.37	100	3	.04	10	.02	8	.02	<2	<2	2	<5	.13	<5	61	22	5
L431250E 5374925N	.5	1.27	172	<5	24	<10	.07	1	4	26	11	2.58	.05	.34	109	1	.03	8	.03	13	.02	4	<2	4	<5	.14	<5	71	28	14
L431250E 5374950N	.2	1.97	141	<5	35	<10	.06	1	8	39	19	2.56	.07	.60	186	2	.04	14	.04	23	.04	5	<2	5	<5	.15	<5	68	37	10
L431250E 5374975N	.2	1.06	54	<5	41	<10	.11	<1	5	31	12	1.69	.05	.45	120	2	.04	11	.02	12	.03	6	<2	6	<5	.13	<5	62	27	39
L431250E 5375000N	.3	2.24	51	<5	60	<10	.10	<1	17	28	14	1.55	.06	.39	463	1	.04	12	.04	22	.01	6	<2	7	<5	.09	<5	38	30	75
L431250E 5375025N	.2	1.09	8	<5	19	<10	.04	<1	3	16	5	1.48	.03	.15	62	1	.03	5	.01	9	.02	<2	<2	2	<5	.07	<5	42	15	21
L431250E 5375050N	.3	3.31	53	<5	41	<10	.08	1	8	40	20	2.36	.08	.62	202	1	.04	15	.04	31	.02	2	<2	6	<5	.15	<5	63	41	12
L431250E 5375075N	.2	1.79	8	<5	57	<10	.07	1	7	29	19	2.32	.12	.65	223	1	.04	11	.03	16	.03	4	<2	4	<5	.15	<5	67	42	70
L431250E 5375100N	.3	1.41	49	<5	52	<10	.08	1	8	15	8	1.72	.05	.24	308	1	.04	7	.04	20	.04	2	<2	5	<5	.07	<5	49	32	9
L431300E 5374800N	.2	1.14	33	<5	61	<10	.10	<1	4	31	13	1.70	.07	.31	87	1	.04	10	.03	12	.01	2	<2	7	<5	.10	<5	59	15	7
L431300E 5374825N	.3	3.43	31	<5	44	<10	.08	1	9	54	32	2.64	.09	.61	176	1	.04	22	.05	29	.01	<2	<2	5	<5	.17	<5	70	35	5
L431300E 5374850N	.2	2.65	26	<5	43	<10	.13	1	10	55	36	2.30	.08	.54	177	2	.05	20	.04	22	.02	<2	<2	6	<5	.14	<5	57	35	3
L431300E 5374875N	.2	.28	22	<5	10	<10	.04	<1	2	4	3	.43	.02	.09	37	1	.04	2	.03	3	.01	5	<2	2	<5	.07	<5	28	6	50
L431300E 5374900N	.3	1.54	53	<5	62	<10	.20	1	8	40	20	1.82	.08	.62	203	1	.05	15	.01	16	.01	<2	<2	11	<5	.10	<5	53	35	56
L431300E 5374925N	.2	1.56	140	<5	33	<10	.07	<1	5	30	15	2.22	.07	.43	128	2	.04	11	.02	15	.02	<2	<2	5	<5	.13	<5	61	25	42
L431300E 5374950N	.2	.98	63	<5	25	<10	.04	1	3	20	8	1.85	.05	.30	88	1	.04	5	.01	10	.03	<2	<2	2	<5	.11	<5	66	18	120
L431300E 5374975N	.3	1.99	30	<5	28	<10	.06	2	4	28	30	2.36	.06	.37	119	1	.04	7	.03	78	.03	4	<2	4	<5	.16	<5	65	157	26
L431300E 5375000N	.5	1.40	102	<5	25	<10	.07	1	5	30	18	1.92	.07	.35	125	1	.04	9	.01	30	.03	4	<2	3	<5	.12	<5	58	57	11
L431300E 5375025N	.2	2.00	69	<5	32	<10	.06	1	6	33	19	2.39	.08	.41	133	2	.04	12	.03	20	.01	<2	<2	5	<5	.14	<5	69	41	10
L431300E 5375050N	.2	1.06	27	<5	20	<10	.08	<1	7	59	18	1.83	.05	.63	74	1	.05	14	.02	10	.01	<2	<2	2	<5	.15	<5	64	23	9
L431300E 5375075N	.2	1.17	209	<5	30	<10	.05	<1	4	18	11	1.87	.04	.26	67	2	.04	4	.03	12	.03	2	<2	3	<5	.10	<5	51	24	235
L431300E 5375100N	.2	.90	55	<5	335	<10	.07	<1	3	16	8	1.59	.05	.30	90	1	.04	5	.01	9	.04	<2	<2	6	<5	.12	<5	48	28	230
L431350E 5374800N	.3	2.43	6	<5	164	<10	.13	1	14	65	39	3.12	.31	.99	342	1	.05	33	.05	22	.03	<2	<2	7	<5	.18	<5	100	37	13
L431350E 5374825N	.2	2.25	27	<5	95	<10	.23	1	19	72	47	2.43	.17	.75	353	3	.06	35	.04	21	.01	3	<2	14	<5	.13	<5	65	34	10
L431350E 5374850N	.2	1.02	22	<5	17	<10	.09	<1	4	31	14	1.83	.04	.33	91	1	.04	8	.02	11	.03	2	<2	4	<5	.14	<5	68	19	81
L431350E 5374875N	.2	.35	25	<5	15	<10	.06	<1	2	11	3	.75	.03	.15	56	1	.04	2	.01	7	.04	<2	<2	2	<5	.11	<5	39	6	65
L431350E 5374900N	.3	1.23	65	<5	30	<10	.04	<1	5	18	13	2.08	.04	.35	95	1	.04	7	.02	14	.03	<2	<2	4	<5	.12	<5	68	27	42
L431350E 5374925N	.3	1.46	136	<5	27	<10	.09	1	6	61	20	2.75	.05	.52	148	1	.04	19	.01	20	.04	<2	<2	6	<5	.16	<5	96	24	47
L431350E 5374950N	.3	.71	6	<5	20	<10	.05	<1	4	19	11	2.05	.07	.33	121	9	.04	9	.03	12	.02	5	<2	2	<5	.22	<5	91	23	2
L431350E 5374975N	.2	.32	34	<5	12	<10	.02	<1	2	6	3	.68	.02	.11	48	1	.04	3	.02	3	.02	<2	<2	2	<5	.11	<5	46	7	18
L431350E 5375000N	.4	1.23	224	<5	34	<10	.09	1	6	34	14	2.52	.06	.44	135	3	.04	11	.04	15	.02	5	<2	6	<5	.16	<5	80	32	20
L431350E 5375025N	.2	.64	111	<5	53	<10	.08	<1	2	18	8	.86	.17	.30	91	2	.04	3	.02	11	.03	<2	<2	5	<5	.10	<5	34	19	1020
L431350E 5375050N	.2	1.15	141	<5	114	<10	.04	<1	5	19	9	1.82	.09	.34	142	1	.04	8	.04	17	.04	2	<2	2	<5	.15	<5	51	33	130
L431350E 5375075N	.2	1.59	63	<5	55	<10	.03	<1	3	20	10	1.96	.08	.31	110	1	.04	6	.07	20	.03	<2	<2	3	<5	.12	<5	58	30	52

ELEMENT	Ag	Al	As	B	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sn	Sr	Te	Ti	Tl	V	Zn	*Au
SAMPLE	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppb
L431350E 5375100N	.3	1.33	105	<5	41	<10	.06	<1	5	21	11	1.79	.09	.42	119	1	.04	8	.01	9	.04	2	<2	4	<5	.11	<5	55	28	80
L431400E 5374800N	.6	3.56	64	<5	242	<10	.05	<1	15	85	50	4.20	.33	1.07	204	1	.04	50	.05	38	.01	<2	<2	5	<5	.21	<5	115	37	59
L431400E 5374825N	.4	2.86	58	<5	43	<10	.07	<1	8	59	43	2.72	.07	.52	130	1	.04	28	.02	30	.03	<2	<2	4	<5	.18	<5	62	29	19
L431400E 5374850N	.2	2.07	67	<5	51	<10	.06	<1	6	38	26	2.52	.06	.50	154	1	.04	14	.03	23	.04	2	<2	5	<5	.16	<5	58	30	9
L431400E 5374900N	.6	2.81	21	<5	30	<10	.07	<1	8	69	29	3.18	.04	.80	161	1	.04	22	.02	26	.01	<2	<2	4	<5	.14	<5	77	29	10
L431400E 5374925N	.2	.84	21	<5	25	<10	.06	<1	2	21	6	2.11	.03	.30	104	2	.04	4	.01	13	.02	<2	<2	3	<5	.17	<5	69	20	9
L431400E 5374950N	.3	2.66	181	<5	89	<10	.17	<1	16	50	28	2.50	.08	.75	326	1	.04	21	.04	45	.01	3	<2	11	<5	.15	<5	56	93	80
L431400E 5374975N	.3	.20	25	<5	55	<10	.63	<1	2	5	10	.27	.07	.08	386	1	.05	2	.06	14	.08	<2	<2	17	<5	.01	<5	8	42	10
L431400E 5375000N	.4	.13	14	<5	54	<10	.61	<1	1	2	9	.12	.05	.07	198	1	.05	3	.08	13	.11	<2	<2	24	<5	.02	<5	4	33	2
L431400E 5375025N	.2	.67	34	<5	33	<10	.07	<1	3	12	6	1.71	.03	.18	100	2	.03	4	.04	12	.04	<2	<2	3	<5	.18	<5	53	19	2
L431400E 5375050N	.2	1.03	26	<5	32	<10	.05	<1	4	17	7	1.72	.04	.35	121	1	.04	5	.01	15	.03	<2	<2	4	<5	.17	<5	50	24	14
L431400E 5375075N	.2	.94	181	<5	28	<10	.04	<1	1	18	8	2.27	.03	.27	83	2	.03	4	.04	11	.01	<2	<2	3	<5	.18	<5	81	20	12
L431400E 5375100N	.4	1.23	23	<5	39	<10	.03	<1	3	22	9	3.02	.05	.32	119	1	.03	3	.05	13	.03	<2	<2	2	<5	.24	<5	80	27	50
L431450E 5375000N	.3	1.31	123	<5	40	<10	.06	<1	5	19	8	2.08	.10	.36	120	1	.04	8	.03	15	.01	4	<2	2	<5	.15	<5	62	34	110
L431450E 5375025N	.2	.98	43	<5	30	<10	.02	<1	4	12	7	1.30	.05	.20	50	1	.04	5	.02	11	.04	<2	<2	3	<5	.09	<5	43	18	51
L431450E 5375050N	.2	.70	31	<5	26	<10	.04	<1	3	11	5	1.26	.04	.23	99	1	.04	4	.01	7	.04	<2	<2	2	<5	.12	<5	48	19	10
L431450E 5375075N	.2	.92	9	<5	43	<10	.06	1	5	20	8	2.02	.07	.36	164	1	.04	6	.02	11	.02	<2	<2	4	<5	.17	<5	77	26	6
L431450E 5375100N	.2	.50	15	<5	37	<10	.03	<1	3	10	5	.83	.06	.19	130	1	.04	4	.01	8	.02	2	<2	2	<5	.11	<5	41	11	7
L431650E 5374700N	.3	1.99	12	<5	70	<10	.07	1	8	35	14	2.39	.10	.53	165	2	.04	14	.02	21	.03	<2	<2	4	<5	.17	<5	76	36	6
L431650E 5374725N	.2	1.70	17	<5	78	<10	.08	<1	7	36	19	2.25	.14	.55	231	2	.04	15	.06	23	.03	<2	<2	5	<5	.12	<5	63	37	5
L431650E 5374750N	.3	2.22	6	<5	237	<10	.23	1	17	47	59	2.59	.32	.93	357	2	.05	63	.08	27	.02	<2	<2	16	<5	.11	<5	72	74	3
L431650E 5374775N	.2	1.34	20	<5	57	<10	.04	<1	4	27	11	1.93	.06	.38	99	1	.04	8	.01	14	.02	2	<2	2	<5	.03	<5	69	16	2
L431650E 5374800N	.3	1.91	5	<5	55	<10	.05	1	9	67	25	3.56	.11	.74	171	1	.04	20	.03	23	.03	5	<2	2	<5	.15	<5	124	39	2
L431650E 5374825N	.3	2.85	11	<5	121	<10	.07	1	12	71	47	3.11	.26	1.03	230	1	.04	34	.04	31	.03	3	<2	5	<5	.14	<5	95	46	3
L431650E 5374850N	.2	.91	19	<5	31	<10	.06	1	4	19	8	1.34	.07	.28	88	2	.04	6	.02	11	.01	4	<2	3	<5	.11	<5	53	15	2
L431700E 5374700N	.3	2.13	8	<5	108	<10	.07	1	8	34	23	2.01	.16	.65	220	1	.04	17	.03	23	.03	3	<2	7	<5	.13	<5	55	42	225
L431700E 5374725N	.3	2.69	6	<5	121	<10	.08	1	15	42	29	2.47	.12	.70	234	1	.04	30	.04	26	.04	4	<2	5	<5	.12	<5	62	63	9
L431700E 5374750N	.2	1.10	5	<5	89	<10	.10	<1	4	31	12	1.98	.16	.40	154	1	.05	9	.03	14	.02	2	<2	8	<5	.08	<5	45	22	2
L431700E 5374775N	.2	1.64	31	<5	50	<10	.04	<1	5	42	13	2.77	.09	.48	114	1	.04	10	.04	16	.02	<2	<2	2	<5	.16	<5	92	27	9
L431700E 5374800N	.2	1.66	11	<5	60	<10	.06	1	6	36	19	2.44	.10	.53	154	1	.04	13	.03	14	.04	<2	<2	4	<5	.15	<5	78	33	8
L431700E 5374825N	.2	1.99	26	<5	59	<10	.04	1	4	43	24	2.73	.13	.49	115	1	.04	14	.04	21	.02	<2	<2	5	<5	.14	<5	89	22	3
L431700E 5374850N	.3	1.77	25	<5	58	<10	.05	2	5	44	45	2.76	.14	.56	138	1	.04	12	.05	93	.02	5	<2	6	<5	.13	<5	94	195	2
L431750E 5374750N	.2	.69	23	<5	16	<10	.06	<1	4	19	11	1.17	.04	.32	107	1	.04	6	.02	20	.01	6	<2	3	<5	.06	<5	64	45	11
L431750E 5374775N	.3	2.85	7	<5	90	<10	.20	1	53	33	23	2.56	.15	.42	1357	1	.05	16	.10	41	.06	4	<2	14	<5	.07	<5	53	62	10
L431750E 5374800N	.2	1.80	6	<5	28	<10	.11	1	6	40	22	2.24	.08	.36	104	1	.05	10	.08	22	.02	3	<2	2	<5	.15	<5	70	29	9
L431750E 5374825N	.3	1.57	54	<5	72	<10	.03	1	5	42	18	2.37	.18	.65	129	1	.04	15	.03	23	.01	<2	<2	5	<5	.11	<5	89	21	8
L431750E 5374850N	.2	1.87	33	<5	67	<10	.04	1	6	51	22	3.36	.19	.66	148	1	.04	16	.05	27	.02	5	<2	2	<5	.19	<5	123	29	1
L431800E 5374750N	.3	2.80	<5	<5	31	<10	.05	1	5	45	20	3.29	.07	.39	105	1	.04	12	.04	32	.03	8	<2	2	<5	.18	<5	105	23	1
L431800E 5374775N	.2	1.09	<5	<5	23	<10	.07	<1	3	29	9	2.22	.05	.24	68	1	.04	4	.03	13	.01	4	<2	2	<5	.17	<5	84	15	4
L431800E 5374800N	.2	3.09	23	<5	36	<10	.08	1	7	48	27	2.55	.08	.38	112	1	.04	12	.05	30	.02	8	<2	4	<5	.16	<5	68	37	2
L431800E 5374825N	.2	4.24	157	<5	60	<10	.20	2	68	107	247	4.42	.16	.76	339	1	.06	84	.14	41	.07	<2	<2	16	<5	.15	<5	95	126	2
L431800E 5374850N	.3	3.91	6	<5	33	<10	.10	1	9	53	37	2.33	.10	.50	434	1	.05	15	.35	42	.02	<2	<2	5	<5	.14	<5	62	50	1
75961 (Rock)	.2	1.80	47	<5	20	<10	1.51	<1	10	83	120	.94	.05	.22	121	5	.24	8	.01	13	.20	4	<2	130	<5	.03	<5	15	18	2
75962 (Rock)	.2	.34	10870	<5	63	<10	.27	<1	4	127	10	1.30	.13	.17	113	6	.04	9	.15	13	.43	9	<2	12	<5	.01	<5	16	10	480
75963 (Rock)	.2	1.05	41	<5	190	<10	.47	<1	8	130	44	1.66	.67	.59	250	7	.08	15	.28	12	.05	6	<2	23	<5	.10	<5	52	40	2
75964 (Rock)	.3	1.32	41	<5	270	<10	.21	<1	10	96	11	1.89	1.10	.84	460	3	.09	16	.05	14	.01	<2	<2	11	<5	.16	<5	60	43	2
75965 (Rock)	.2	1.46	25	<5	303	<10	.55	1	13	133	41	2.38	1.11	.97	431	5	.08	27	.07	15	.34	5	<2	34	<5	.14	<5	74	57	3
75966 (Rock)	.2	1.16	603	<5	178	<10	.36	<1	10	102	14	1.81	.83	.74	342	3	.08	14	.06	14	.06	3	<2	9	<5	.13	<5	48	40	61
75967 (Rock)	.2	.44	393	<5	39	<10	.15	<1	4	120	11	.95	.30	.32	154	8	.07	6	.04	5	.03	3	<2	7	<5	.06	<5	27	20	7
75968 (Rock)	.3	1.66	8	<5	57	<10	.16	2	15	167	84	3.80	.32	.93	303	2	.10	22	.05	17	.17	7	<2	8	<5	.08	<5	96	33	6

ELEMENT	Ag	Al	As	B	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sn	Sr	Te	Ti	Tl	V	Zn	*Au
SAMPLE	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppb
75969 (Rock)	.2	.38	524	<5	15	<10	.31	<1	3	134	13	.31	.02	.06	69	9	.05	7	.06	4	.02	<2	<2	15	<5	.01	<5	4	12	75
75970 (Rock)	.3	1.04	7	<5	224	<10	.25	<1	8	112	11	1.45	.60	.58	538	6	.09	11	.07	13	.03	4	<2	17	<5	.10	<5	43	32	2
75971 (Rock)	.2	1.07	6	<5	140	<10	.44	<1	5	121	16	1.13	.57	.61	288	5	.07	17	.21	11	.03	3	<2	12	<5	.05	<5	34	17	3
75972 (Rock)	.3	1.55	14	<5	266	<10	.41	<1	11	91	32	2.01	.74	.97	360	4	.12	18	.07	17	.12	6	<2	40	<5	.12	<5	52	56	16
75973 (Rock)	.2	.43	66	<5	74	<10	.20	<1	4	133	20	.72	.19	.27	130	9	.06	9	.09	16	.01	<2	<2	8	<5	.03	<5	26	24	425
75974 (Rock)	.3	1.51	17	<5	344	<10	.12	<1	10	81	8	2.13	1.05	1.04	310	3	.08	14	.07	15	.01	3	<2	7	<5	.16	<5	67	61	12
75975 (Rock)	.2	.55	10	<5	32	<10	.26	<1	3	115	19	1.07	.14	.21	140	6	.05	16	.16	7	.03	<2	<2	6	<5	.01	<5	14	17	230

Valentine Mountain Project Assessment Cost Statement					
Exploration Work type	**Comment**	**Days**			**Totals**
Personnel (Name)* / Position	**Field Days (list actual days)**	**Days**	**Rate**	**Subtotal***	
Andris Kikauka, P.Geo. / Geologist	Oct.23-Dec.22;Jan1-31;Apr.1-May 12	56.5	Invoice	$ 25,797.51	
Bryan Beaupre / Sampler	Oct.23-Nov.14;Dec.1-22;Jan1-15;Mar.31-May,11	65	Invoice	$ 16,120.42	
Jacques Houle, P.Geo. / Geologist	Nov.16-17, 2010	2	Invoice	included below	
Rebecca Stirling, B.Sc. / Geologist	Nov.16-17, 2010	2	Invoice	included below	
David McLelland, MSc. / Surveyor	Oct.23, Nov.1, 2010	2	Invoice	included below	
				$41,917.93	**$41,917.93**
Office Studies	**List Personnel (note - Office only, do not include field days**				
Reprocessing of data (drill logs)	Arnd Burgert, P.Geo.		Invoice	$ 3,063.75	
General research (drill hole survey)	Auracle Geospatial Science Ltd.		Invoice	$ 2,198.20	
Other (Mineral Resource Report)	Jacques Houle P.Eng.		Invoice	$ 37,093.70	
				$42,355.65	**$42,355.65**
Remote Sensing	**Area in Hectares / Enter total invoiced amount or list personnel**				
Other (Radarsat Report)	Auracle Geospatial Science Ltd.		Invoice	$ 25,697.65	
				$25,697.65	**$25,697.65**
Geochemical Surveying	**Number of Samples**	**No.**	**Rate**	**Subtotal**	
Drill (cuttings, core, etc.)	ALS Labs - 2 drilling programs	1204	$44.46	$ 53,524.81	
Soil	Pioneer Labs	182	$21.01	$ 4,244.74	
Rock	Pioneer Labs (15), ALS Labs (5)	20	included in soils		
				$57,769.55	**$57,769.55**
Drilling	**No. of Holes, Size of Core and Metres**	**No.**	**Rate**	**Subtotal**	
Diamond drilling (Neill's Mining)	16 holes NQ core - 2 drilling programs	3239	$85.19	$ 275,945.82	
				$275,945.82	**$275,945.82**
Other Operations	**Clarify**	**No.**	**Rate**	**Subtotal**	
Trenching/drill moves, sumps	Mike Chipps - backhoe		Invoice	$ 9,875.00	
				$9,875.00	**$9,875.00**
Reclamation	**Clarify**	**No.**	**Rate**	**Subtotal**	
Other (Tailings Dam Report)	Thurber Engineering Ltd.		Invoice	$ 2,869.50	
				$2,869.50	**$2,869.50**
Equipment Rentals					
Field Gear (Specify)	Pajari drill survey tool rental (Pothier)		Invoice	$ 700.00	
Other (Specify)	Core shack rental (Shaw)		Invoice	$ 10,000.00	
Other (Specify)	Core shack installation (Shaw)		Invoice	$ 2,600.00	
Other (Specify)	Core saw rental (Houle)		Invoice	$ 2,778.60	
				$16,078.60	**$16,078.60**
Freight, rock samples					
Shipping core samples	Van-Kam		$0.00	$ 751.34	
			$0.00	$0.00	
				$751.34	**$751.34**
TOTAL Expenditures					**$473,261.04**