

**BC Geological Survey
Assessment Report
37822**



TYPE OF REPORT [type of survey(s)]: Geological and Geochemical report Miracle Property TOTAL COST: \$21,138

AUTHOR(S): P.E.Fox PhD P.Eng SIGNATURE(S): 

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): NA YEAR OF WORK: 2018

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S): 5711513 Sept 12, 2018

PROPERTY NAME: Miracle

CLAIM NAME(S) (on which the work was done): 1052772, 1052773

COMMODITIES SOUGHT: Copper, gold

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN: 93A059

MINING DIVISION: Cariboo NTS/BCGS: 93A5

LATITUDE: 52 ° 29 ' LONGITUDE: 121 ° 44 ' (at centre of work)

OWNER(S): EAGLE PEAK RESOURCES
1) _____ 2) 5

MAILING ADDRESS: 910-475 West Georgia St
Vancouver BC

OPERATOR(S) [who paid for the work]: EAGLE PEAK RESOURCES
1) _____ 2) _____

MAILING ADDRESS: 910-475 West Georgia St
Vancouver BC

PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):
Epithermal silver veins and disseminated chalcopyrite-molybdenum occur in Upper Triassic volcanic rocks, argillite, hornfels and Cretaceous granitic dikes.

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS:
Fox, PE 2017, Report on the Miracle Property, Aris 36250; Hodgson 1970, Report on the Gavin Lake Property, Aris report 37012

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 _____	2.1 sq Km 1:5000	1052772, 1052773	\$10,000
GEOPHYSICAL (line-kilometres) Ground Magnetic _____ Electromagnetic _____ Induced Polarization _____ Radiometric _____ Seismic _____ Other _____ Airborne _____			
GEOCHEMICAL (number of samples analysed for...) Soil 28 samples, 37 elements including Cu Mo Au Ag _____ _____ Pb Zn Silt _____ Rock 6 rock samples .5 kg 37 elements Other _____			\$9,138 \$2,000
DRILLING (total metres; number of holes, size) Core _____ Non-core _____			
RELATED TECHNICAL Sampling/assaying _____ Petrographic _____ Mineralographic _____ Metallurgic _____			
PROSPECTING (scale, area) _____			
PREPARATORY / PHYSICAL Line/grid (kilometres) _____ Topographic/Photogrammetric (scale, area) _____ Legal surveys (scale, area) _____ Road, local access (kilometres)/trail _____ Trench (metres) _____ Underground dev. (metres) _____ Other _____			
		TOTAL COST:	\$21,138

ASSESSMENT REPORT

GEOLOGICAL AND GEOCHEMICAL REPORT
MIRACLE PROSPECT

Cariboo Mining Division

NTS 93A5

Latitude 52° 29', Longitude 121°44'

UTM 10 5817001N, 585821E

For

EAGLE PEAK RESOURCES INC

910 – 475 West Georgia St

Vancouver, BC

By

P. E. Fox, PhD., P.Eng

Richmond, B.C.

October 30, 2018

Event No.5711513

Miracle 1-4 Claims

Cariboo Mining Division

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SUMMARY

This report documents work done by Eagle Peak Resources Inc in 2018 on the Miracle prospect. Work comprised soil and rock sampling and geological mapping near Gavin Lake, British Columbia.

The soil sampling program comprised 28 till samples collected at 50m intervals on local road networks southwest of Gavin Lake. Copper contents of tills range from 36 to 229 ppm. Average copper content is 87 ppm. Molybdenum contents range from 1 to 2.5 ppm and average 1 ppm. Both Mo and Cu are at regional background levels. Gold ranges from 0.2 to 8.6 ppb and average 4.8 ppb. Six rock samples were collected near Little Lake to follow up anomalous gold contents in soil samples collected in 2017. Samples here returned 2.3 to 11.3 ppb gold.

Geological work extended and refined previous mapping done in 2017. The rock succession established this year comprises an east-dipping assemblage of Upper Triassic and Lower Jurassic rocks seen elsewhere in the Mount Polley and nearby Morehead Lake areas although the volcanic sequence at Gavin Lake is not strict stratigraphic equivalents. Poly lithologic breccia and associated tuffs are exposed south of Little Lake and a poorly sorted conglomerate consisting of subrounded volcanic clasts up to 25cm are exposed to the south. This unit is overlain to the east by black mudstone at Fire Lake. A thick sequence of basaltic rock lies in low-lying timbered terrain to the west. The above rocks are cut by small stocks of pyroxenite and diorite/gabbro.

Further work is recommended to follow up anomalous gold contents identified this year in rocks south of Little Lake. Expenditures total \$21,138.

INTRODUCTION

This report documents work done by Eagle Peak Resources Inc in 2018 on the Miracle prospect, Gavin Lake area, B.C., originally part of a large claim block known as the Miocene project. Work comprised geological mapping near Fire Lake, soil sampling near the south boundary of the property and rock samples to follow up anomalous gold soil samples collected near Little Lake last year. Results of the program are detailed herein and recommendations made for continuing work. Expenditures total \$21,138. Work was paid for by Eagle Peak Resources.

LOCATION

The Miracle property lies in the Cariboo Mining Division on map sheet 093A/5 (Figure 1). The Gavin Lake prospects lie west and north of Gavin Lake 20 km southwest of Likely. It is reached via the Gavin Lake road 3 km from the Likely Highway.

The claims lie in the Quesnel Highlands physiographic area of the Interior Plateau east of Williams Lake; a collage of lakes, broad valleys and wooded uplands. Harsh winters and inclement overcast summer days spawn a thick growth of pine, spruce, birch, alder and poplar interspersed with meandering streams, shallow lakes and grasslands, boggy wetlands and thick brushy understory. Glacial till, both lodgment and outwash, is often thick and outcropping bedrock, generally Roche moutonee, rocky escarpments and rubble, is sparse.

CLAIMS

The Property consists of four mineral tenures¹ covering 6299 hectares (Figure 2, Table 1). Expiry dates assume the work documented herein is accepted for assessment requirements. Work was filed on September 12, 2018 under event # 5711513. Work was completed between July 6, 2018 and July 10, 2018 under Mine Permit MX-10-211 and applied to the Miracle 1-4 claims.

HISTORY

Placer and bedrock exploration of the Likely - Horsefly region began with the discovery of placer gold deposits in 1859. Subsequent placer discoveries were made at Cedar Creek, Antler Creek, Keithley Creek and along the Quesnel River. The Likely-Horsefly region was extensively prospected and there is evidence of gold prospecting within the claim area along Teasdale Creek. Government sponsored airborne geophysical surveys and regional geochemical surveys prompted extensive exploration activity. The QR gold deposit was discovered in 1975 and the Mount Polley mine, a few

¹ *Claim holdings were amalgamated on June 27 2017*

TABLE 1 CLAIM LIST

Title Number	Claim	Expiry	Area ha
1052772	MIRACLE 1	2019//JUL30	1613.9
1052773	MIRACLE 2	2019/JUL/30	1574.5
1052774	MIRACLE 3	2019/JUL/30	1635.4
1052777	MIRACLE 4	2019/JUL/30	1575.4

kilometers to the northeast of the claim area, was discovered in 1966 and commenced production in 1997. More recently the Woodjam porphyry copper deposit was discovered south of Horsefly in 2007. Interest in the Miracle prospect (Minfile 93A059) at Gavin Lake, also known as the Wet and Gavin copper-molybdenum prospects, was prompted by the discovery of Mount Polley and later the QR gold deposit. Numerous exploration programs have been carried out in the region around Gavin Lake since then. Much of the work was carried out by Amax Exploration in 1970 (Hodgson, 1970), Zubex Resources in 1973 (Westervelt, 1974) and Brican Resources (Crandall, 1979), who collectively targeted the copper-molybdenum mineralization immediately north of Gavin Lake. Amax completed an extensive program of geological mapping, trenching, and soil rock and silt sampling. Soil sampling by Zubex and later by Longboat Resources (Carter and Barclay, 1984) covered the area west of the Gavin prospect. Brican completed soil sampling and induced polarization surveys over the Miracle showing² in 1979. More recently, a compilation report on the property was completed by Wallis in 1995 (Wallis, 1995). Eagle Peak Resources completed geochemical sampling north of the Miracle vein prospect in 2009 and 981 m of diamond drilling in 2010 to follow up geochemical results and to test the Miracle vein at depth. Geochemical surveys and geological mapping were completed in 2013 through 2017 (Fox 2013, 2015, 2016, 2017) north and south of Gavin and Little Lakes.

REGIONAL GEOLOGY

The Miracle claim group (Figure 3) lies in the Central Quesnel Terrane, a tectonically amalgamated melange of deformed island arc/ back arc volcanic rocks, plutonic belts and sedimentary basins forming a highly faulted regional synclinal structure (Panteleyev et al, 1996).

The oldest strata in the region are black shale, argillite, siltstone and sandstone of Middle Triassic age. Overlying this older unit are basaltic pillow lava, flows and breccia of Norian age and still younger argillite and bedded sections of shoshonitic felsic breccia and tuff. These rocks are cut by numerous Cretaceous

² Originally discovered by Merna Lloyd in 1965.

granitic bodies and are overlain by regionally extensive flat lying Chilcotin group basalt flows of Miocene age. Geology of the Miracle prospect is given below.

GEOLOGY

Local geology is given in Figure 4 in part compiled from Hodgson (1970), Panteleyev et al (1996) and Fox (2017). North and south of Gavin Lake, pyritic siltstone forms bedrock units (Unit 1 of Panteleyev et al, 1996) while coarse basaltic rocks lie to the east and west. These rocks are cut by a westerly striking dike complex of porphyritic quartz monzonite and granite (Gavin Intrusions). Mapping in 2013 (Fox 2013) south of Little Lake, a small lake west of Gavin Lake, discovered previously unmapped strata of basaltic rocks and felsic units comprising felsic breccia, conglomerate and tuff. Mapping this year revised much of this early work and extended mapping to the nearby ridge areas and along the Fire Lake road.

Bedrock exposures on rocky summits south of Little Lake comprise poorly sorted to well bedded and locally laminated feldspathic tuff together with local beds of matrix-supported tuff breccia and lapillistone. Breccia units consist of subangular to rounded clasts of felsic porphyry, minor mafic clasts and rare elongate black pumice fragments(?) all in a tuffaceous matrix (Unit 3b of Panteleyev et al, 1996). Tuff beds are commonly graded with tops to the west. At low elevations to the north and west, these rocks overlie easterly-dipping, rusty, iron carbonate-altered black argillite and siltstone and, farther west, (olivine) augite basalt. Farther south along the Fire Lake road, an east-dipping sequence of (alkali) basalt, shoshonitic felsic breccia, conglomerate and black mudstone and argillite are exposed. These units continue north and in part underlie the western Miracle claims. The conglomerate comprises compact rounded felsic clasts 2-10 cm, basalt, clasts of felsic breccia up to 25cm, and rare clasts of pinkish porphyry. It is exposed for over 200m. Basaltic rocks underlie timbered low-lands to the west at the head waters of Prouton Creek and overlie siltstone and argillite of unit 1 near the west boundary of the property. All of the volcanic rocks southwest of Gavin Lake as far as the Fire Lake road are in turn overlain (conformably?) by argillite and siltstone of Unit 1 of Panteleyev et al (1996), Bailey (1990), Hodgson (1970)³.

The above rocks south of Little Lake are cut by small stocks of massive pyroxenite and diorite/gabbro (Figure 4). A sample of diorite/gabbro exposed near the south boundary of the claims on a branch of the Fire Lake road was submitted for whole rock analysis in 2016⁴. The diorite is massive, hypidiomorphic and consists of 50% hornblende, 10% biotite and 40% pinkish intergranular K feldspar and plagioclase. This unit is similar to other intrusive rocks in the region particularly the QR diorite stock on the Quesnel River. Small bodies of pyroxenite are exposed on Road#3 and consist of coarse grained blocky augite and trace plagioclase. Several porphyry dikes of the Gavin Intrusions are exposed along the Shelterwood road south of Little Lake.

³ *The Gavin sequence appears to be a separate older precursor of the main volcanic units east of Gavin Lake.*

⁴ *Rock contains 53% SiO₂, 8.4% tot alkalis and is weakly nepheline and olivine normative.*

Basalt units described herein may be as much as 1000m thick and the overlying felsic unit exposed on the ridge tops south of Little Lake is at least 100m thick.

MINERALIZATION

The well-known Miracle epithermal vein north of Gavin Lake just northeast of the work area occurs within the basalt unit and local tuff and thin siltstone interbeds along a sheared contact of a north-striking body of porphyritic granite of the Gavin intrusions. The veins form a complex zone of stockwork and massive quartz several metres thick exposed over a vertical distance of some 50 m. The zone strikes north and dips steeply west. It consists of ribboned quartz, chalcedony and lesser calcite, iron carbonate, roscolite and disseminated pyrite, galena, sphalerite and rare bornite. Drusy vugs are common and often contain lamellar calcite. Silicification and an outer envelope of clay and iron carbonate alteration of the host rocks are common. Reddish brown quartz-iron carbonate gossans are common at depth below the quartz-rich lodes. Elsewhere quartz-iron carbonate zones are common throughout the district and well exposed along the Gavin and Shelterwood roads within the map area.

Volcanic units are often pyritic and locally hornfelsed. They contain disseminated chalcopyrite, molybdenite and bornite associated with porphyry style quartz-K feldspar stockworks and K feldspar potassic alteration marginal to dikes of porphyritic quartz monzonite and granite. Minor amounts of disseminated chalcopyrite and pyrite were noted in gossanous tuffs and sericite-altered dikes(?) exposed for over 150m on the Shelterwood road south of Little Lake (see below).

WORK PROGRAM

The 2018 soil sampling program comprised 28 samples collected from glacial tills at approximately 50m intervals along Fire Lake road #6 at the south perimeter of the claim block together with geological mapping south of Little Lake (Figure 2) and the collection of six rock samples. The purpose of the sampling work was to continue reconnaissance geochemical sampling work of earlier programs by Eagle Peak Resources (Fox 2013, 2015, 2016, 2017). Sample numbers are given in Figure 5 along with copper, gold and molybdenum contents. Sample data are given in Appendix I and II and analytical certificates in Appendix III.



Typical basal till, Fire Lake road

Samples were taken of B horizon soils, usually poorly developed, and a reddish C horizon of rocky, compact, clay-rich material close to bedrock. Tills are generally clay-rich and thin, less than five metres thick. Sample depths were recorded at each site, usually 15 cm, and are tabulated in Appendix I. Samples were collected in Kraft sample bags and submitted to Bureau Veritas Minerals - *Acme Laboratories* - in Vancouver, BC. Analytical methods used were code AQ251 aqua regia digestion ICP-MS (37 elements) using the -

80mesh fraction (prep code SS80) of dried and screened soil material (15 gm aliquot). Detection limits for copper and molybdenum are 0.1 ppm. Rock samples comprise small grab samples of bedrock exposed along the Shelterwood road south of Little Lake to follow up soil sampling done last year. Six grab samples, about 500 g each, were obtained from a pyritic, gossanous clay/sericite-altered rock ("Shelterwood zone").

Geological mapping, an on-going program, covered timbered ridges south of Little Lake (Figure 4) along the Fire Lake road networks and nearby terrain. This work extended prior work started in 2013 after initial reconnaissance work by Lloyd Tattersall of Eagle Peak Resources. Some 2.1 km² were covered this year (Figure 4) within the claim block and the Fire Lake road exposures just south of the Miracle claim block.



Pyritic gossan exposed on the Shelterwood road.

RESULTS

Results for copper (ppm), gold (ppb) and molybdenum (ppm) are given in Figure 5 and set out in Appendix I and II. Copper contents of the Miracle soils range from 36 to 229 ppm. Average copper content is 87 ppm. Molybdenum contents range from 1 to 2.5 ppm and average 1 ppm. Gold contents range from 0.2 to 8.6 ppb. Both Mo and Cu are at regional background levels. Rock samples collected along the Shelterwood Road returned 0.15 to 3.4 ppm Mo, 10 to 231 ppm Cu and 2.3 to 11.3 ppb Au. Average contents are 2.2 ppm, 65 ppm and 4.7 ppb respectively. The pyritic gossan exposed on the Shelterwood returned 11.3 ppb Au, weakly anomalous for the region, but probably warrants further sampling. Other samples along the Shelterwood are at background levels for the region.

Mapping this year better defined the felsic rocks exposed west of Fire Lake. These rocks appear to consist of steep east-dipping interbedded tuff breccia overlain by coarse conglomerate and mudstone. The unit here is at least 200m thick and belongs to the felsic breccia unit 3b of Panteleyev et al (1996). It probably represents isolated dome-building episodes following extensive basaltic volcanism.

RECOMMENATIONS

The Shelterwood road gossan should be resampled with 10 kg samples to explain the 2017 soil sample anomaly along with mapping in nearby timbered terrain to the south

COST STATEMENT

Work expenditures, including gst costs, are tabulated below in Table 2.

TABLE 2. EXPENDITURES

Miracle Project	Item, time	Rates	Subcost	Cost
Labour (incl travel)	M Bailey sampler: July 6, 2018	1 days@\$245	245	
	L..Tattersall, technician,prospector July 6., 2018	1 days@300	300	
Supervision, travel Mapping,sampling	P Fox, geologist i/c, sampling, mapping July 6-10, 2018	5 days@1800	9000	9545
Accomodation	Williams Lake	7 days@\$165		1155
Food supplies, meals	6 mandays	\$55/day		330
Truck rentals, fuel mileage (2205 km)	1 4wd Ford F150, July 6-10, 2018	2190 L @ 1.38 2205 km @ .68	262 1495	1758
Analyses	BV Acme labs, Vancouver AQ251 37 elements, -80m ss80 prep	34 samples@ \$25		850
Field costs	Sample bags, material, maps, computer			300
Report Preparation Maps, interpretation	P Fox Phd PEng Oct, 2018, Manifold software plots,data compilation, report	4 days@ 1800		7200
Project total				\$21,138

Prepared by



P.E. Fox Phd.,P.Eng

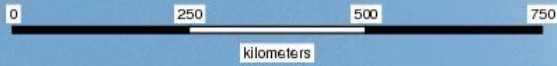
October 30, 2018

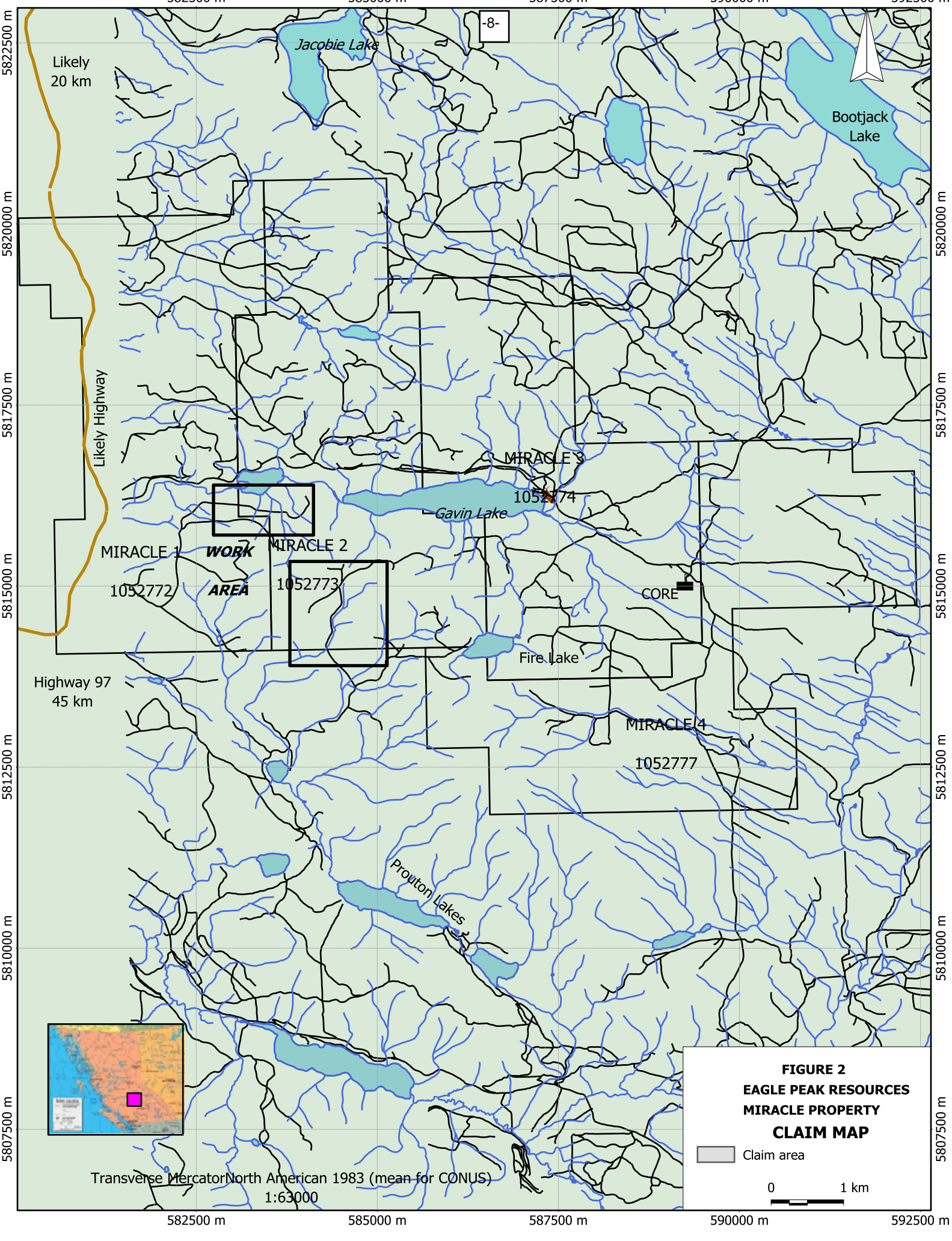




FIGURE 1
LOCATION MAP

NORTH PACIFIC
OCEAN



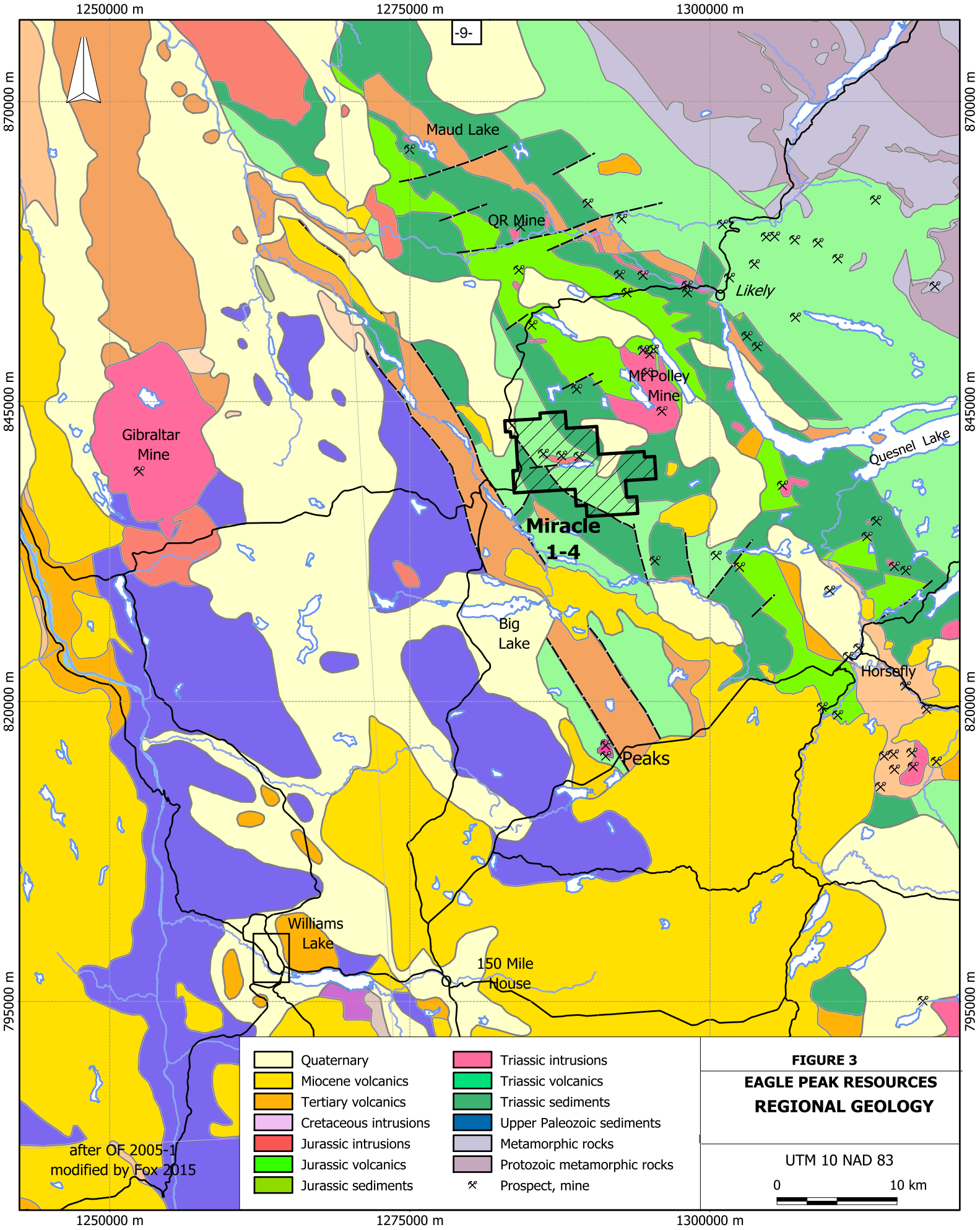


**FIGURE 2
EAGLE PEAK RESOURCES
MIRACLE PROPERTY
CLAIM MAP**

Claim area

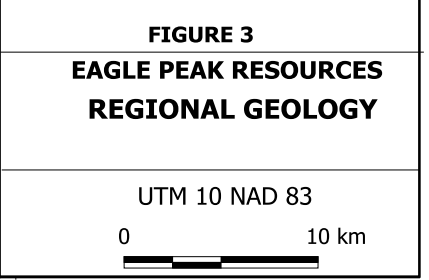
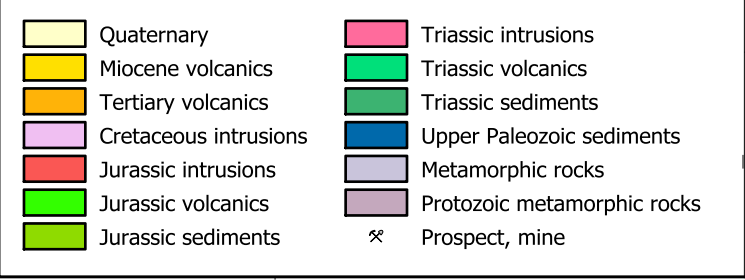
0 1 km

Transverse Mercator North American 1983 (mean for CONUS)
1:63000



-9-

after OF 2005-1
modified by Fox 2015



582000 m

583500 m

585000 m

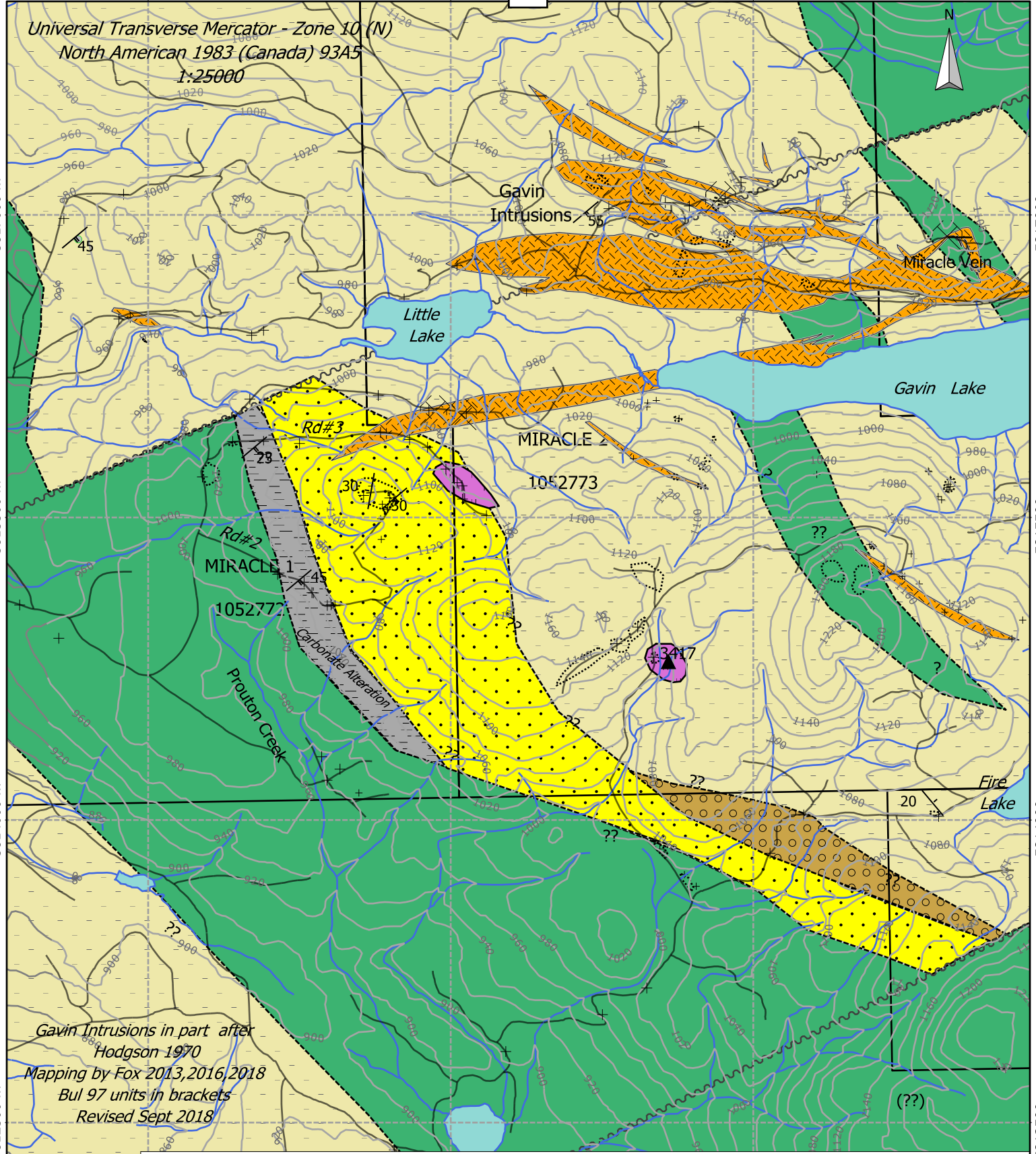
-10-

Universal Transverse Mercator - Zone 10 (N)
North American 1983 (Canada) 93A5
1:25000



5817000 m
5815500 m
5814000 m
5812500 m

5817000 m
5815500 m
5814000 m
5812500 m



Gavin Intrusions in part after
Hodgson 1970
Mapping by Fox 2013, 2016, 2018
Bul 97 units in brackets
Revised Sept 2018

LEGEND	
CRETACEOUS	
	Gavin Intrusions: quartz porphyry
UPPER TRIASSIC (NICOLA GROUP)	
	Gabbro and pyroxenite (7)
	Felsic conglomerate
	Tuff, breccia and siltstone
	Black aegillite
	Augite basalt (2a)
	Volcanic siltstone, tuff, argillite (1)
+	Outcrop
	Outcrop area
	Bedding
	Fault (assumed)
	Showing
	Rock analysis 3417

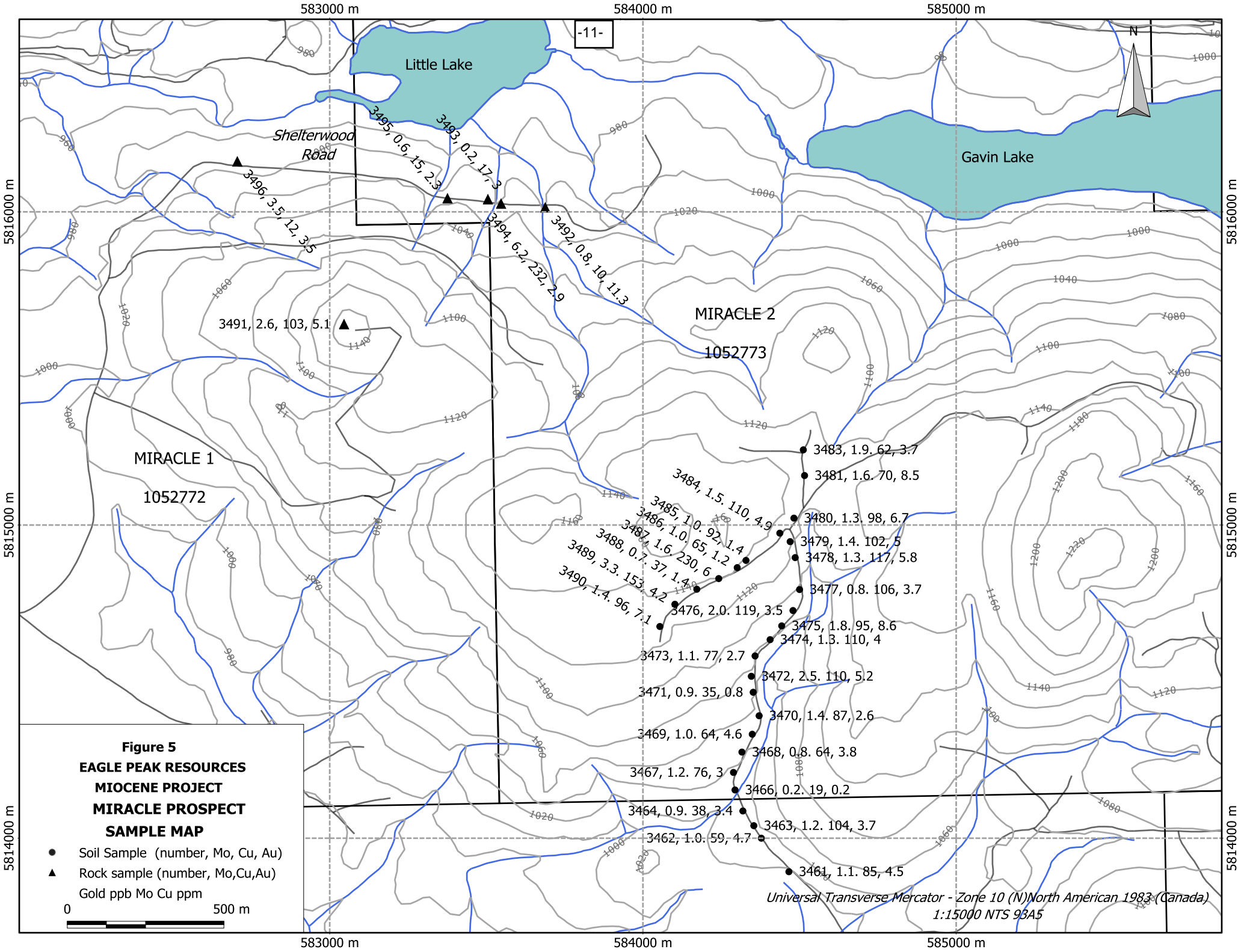
Figure 4
EAGLE PEAK RESOURCES
MIRACLE PROPERTY
GEOLOGICAL MAP

0 500 m

582000 m

583500 m

585000 m



STATEMENT OF QUALIFICATIONS

I, Peter E. Fox of Richmond, British Columbia do hereby certify that I:

- am a graduate of Queens University in Kingston, Ontario with a Bachelor of Science and Master of Science degrees in Geological Sciences in 1959 and 1962, and a graduate of Carleton University, Ottawa, Ontario with a degree of Doctor of Philosophy in 1966.
- am a member of the Association of Professional Engineers and Geoscientists of British Columbia #8133.
- have practiced my profession since 1966.
- am the author of the report entitled “Assessment Report, Geological and Geochemical Report, Miracle Prospect” dated October 30, 2018 and supervised all of the work therein.

Dated at Richmond, British Columbia this 30th Day of October, 2018

Respectfully submitted,



Peter E. Fox PhD.,P.Eng.

October 30, 2018



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APPENDIX I

MIRACLE PROPERTY

SOIL SAMPLE DATA

UTM NAD 83

APPENDIX I
SOIL SAMPLE DATA UTM 10 NAD 83

sample	E	N	type	Material	Hor	Color	Topo	Depth cm	wp	Mo ppm	Cu ppm	Au ppb
3461	584466	5813893	soil	Till	C	Brown	Hillside	10	291	1.06	85.28	4.5
3462	584378	5814000	soil	Till	C	Brown	Hillside	20	292	1	59.38	4.7
3463	584354	5814040	soil	Till	C	Brown	Hillside	20	293	1.21	104.01	3.7
3464	584319	5814087	soil	Till	C	Brown	Hillside	10	294	0.91	38.07	3.4
3466	584294	5814154	soil	Till	C	Brown	Hillside	20	295	0.2	18.96	0.2
3467	584289	5814210	soil	Till	C	Brown	Hillside	20	296	1.17	76.34	3
3468	584316	5814275	soil	Till	C	Brown	Hillside	20	297	0.82	63.54	3.8
3469	584349	5814332	soil	Till	B	Brown	Hillside	15	298	0.97	64.24	4.6
3470	584371	5814391	soil	Till	C	Brown	Hillside	20	299	1.38	86.52	2.6
3471	584352	5814466	soil	Till	C	Brown	Hillside	20	300	0.9	34.93	0.8
3472	584346	5814517	soil	Till	C	Red/Brown	Hillside	3	301	2.5	110.09	5.2
3473	584358	5814582	soil	Till	B	Brown	Hillside	5	302	1.1	77.25	2.7
3474	584406	5814634	soil	Till	C	Brown	Hillside	20	303	1.28	110.29	4
3475	584443	5814678	soil	Till	C	Brown	Hillside	10	304	1.76	95.12	8.6
3476	584479	5814727	soil	Till	C	Brown	Hillside	5	305	1.99	118.97	3.5
3477	584500	5814794	soil	Till	C	Brown	Hillside	10	306	0.8	106.23	3.7
3478	584486	5814896	soil	Till	C	Brown	Hillside	10	307	1.34	116.88	5.8
3479	584470	5814947	soil	Till	C	Brown	Hillside	20	308	1.39	102.33	5
3480	584482	5815022	soil	Till	C	Brown	Hillside	10	309	1.27	97.68	6.7
3481	584516	5815158	soil	Till	C	Brown	Hillside	10	310	1.57	70.26	8.5
3483	584512	5815240	soil	Till	C	Brown	Hillside	20	311	1.95	62.36	3.7
3484	584437	5814974	soil	Till	C	Brown	Hillside	10	312	1.51	110.03	4.9
3485	584329	5814887	soil	Till	C	Brown	Hillside	10	313	1.04	92.22	1.4
3486	584301	5814864	soil	Till	C	Brown	Hillside	10	314	0.97	64.94	1.2
3487	584242	5814829	soil	Till	C	Brown	Hillside	15	315	1.64	229.76	6
3488	584172	5814795	soil	Till	C	Brown	Hillside	10	316	0.72	36.5	1.4
3489	584102	5814747	soil	Till	C	Brown	Hillside	10	317	3.25	153.01	4.2
3490	584054	5814676	soil	Till	C	Brown	Hillside	10	318	1.41	96.17	7.1

APPENDIX II
MIRACLE PROPERTY
ROCK SAMPLE DATA

APPENDIX III
ROCK SAMPLE DATA
GRAB SAMPLES OF BEDROCK

sample	E utm	Nutm	type	Kg	Eutm	Nutm	Mo ppm	Cu ppm	Au ppb	wp	Description
3491	583088	5815626	Grab	0.62	585266	5814024	2.57	103.28	5.1	322	Grab sample Grey green fine grained sericite altered porphyry, chalcopyrite and pyrite
3492	583688	5816014	Grab	0.47	583688	5816014	0.77	9.64	11.3	323	Gossanous, pyritic, clay altered porphyry, trace chalcopyrite
3493	583547	5816026	Grab	0.43	583547	5816026	0.16	17.12	3	324	Grey green fine grained sericite altered porphyry
3494	583505	5816040	Grab	0.52	583505	5816040	6.15	231.58	2.9	325	fine grained sericite altered porphyry, minor chalcopyrite
3495	583376	5816043	Grab	0.47	583376	5816043	0.62	15.04	2.3	326	Grey green fine grained sericite altered porphyry trace chalcopyrite
3496	582705	5816161	Grab	0.31	582705	5816161	3.46	12.22	3.5	327	Grey fine grained sericite altered porphyry

APPENDIX III

MIRACLE PROPERTY

CERTIFICATES

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES					
Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
DY060	42	Dry at 60C			VAN
SS80	42	Dry at 60C sieve 100g to -80 mesh			VAN
SVRJT	42	Save all or part of Soil Reject			VAN
AQ251	42	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	15	Completed	VAN



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Client: **Eagle Peak Resources Inc.**
910 - 475 W. Georgia St.
Vancouver British Columbia V6B 4M9 Canada

Submitted By: Lloyd Tattersall
Receiving Lab: Canada-Vancouver
Received: October 11, 2018
Report Date: November 20, 2018
Page: 1 of 2

CERTIFICATE OF ANALYSIS

VAN18002860.1

CLIENT JOB INFORMATION

Project: Miracle
Shipment ID:
P.O. Number
Number of Samples: 28

SAMPLE DISPOSAL

PICKUP-PLP Client to Pickup Pulps
PICKUP-RJT Client to Pickup Rejects

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


Invoice To: Eagle Peak Resources Inc.
910 - 475 W. Georgia St.
Vancouver British Columbia V6B 4M9
Canada

CC: Peter Fox

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
DY060	28	Dry at 60C			VAN
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AQ251	28	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS


JEFFREY CANNON
Geochemistry Department Supervisor

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



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Part: 1 of 2

CERTIFICATE OF ANALYSIS

VAN18002860.1

Method	Analyte	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL
3461	Soil	1.06	85.28	6.18	58.2	117	64.4	23.1	733	3.94	13.9	0.5	4.5	3.1	113.6	0.15	1.10	0.16	96	2.46	0.088
3462	Soil	1.00	59.38	4.65	51.7	98	48.1	16.6	419	3.47	13.0	0.5	4.7	2.5	34.8	0.10	0.57	0.10	99	0.49	0.059
3463	Soil	1.21	104.01	6.10	59.1	195	60.7	20.2	655	4.11	19.5	0.7	3.7	3.3	50.9	0.14	0.69	0.13	114	0.52	0.076
3464	Soil	0.91	38.07	4.28	45.6	87	47.7	13.3	309	2.98	9.3	0.6	3.4	2.6	34.2	0.09	0.49	0.09	84	0.41	0.046
3466	Soil	0.20	18.96	1.44	28.7	162	16.2	4.4	284	0.77	2.2	0.3	0.2	0.1	1035.4	0.71	0.33	0.05	16	27.09	0.063
3467	Soil	1.17	76.34	6.72	62.3	94	89.2	23.3	856	3.75	17.5	0.4	3.0	2.5	173.5	0.19	1.34	0.15	96	3.92	0.105
3468	Soil	0.82	63.54	4.84	40.5	322	51.7	15.6	477	2.79	15.0	0.5	3.8	2.0	428.2	0.38	0.67	0.09	72	12.54	0.078
3469	Soil	0.97	64.24	7.36	63.7	80	54.3	20.9	669	3.54	19.4	0.5	4.6	4.3	268.7	0.26	0.66	0.19	96	4.75	0.108
3470	Soil	1.38	86.52	6.18	64.7	60	97.2	24.6	843	3.89	32.4	0.5	2.6	2.8	129.8	0.29	1.13	0.14	106	3.66	0.111
3471	Soil	0.90	34.93	5.50	62.9	116	39.2	14.3	586	2.75	9.4	0.3	0.8	2.0	53.0	0.39	0.46	0.12	76	0.54	0.050
3472	Soil	2.50	110.09	7.58	72.1	120	80.9	22.8	850	4.28	27.0	0.6	5.2	4.0	51.2	0.16	1.26	0.19	106	0.65	0.102
3473	Soil	1.10	77.25	5.46	58.4	148	71.7	21.0	724	3.54	21.6	0.5	2.7	2.5	193.2	0.27	0.86	0.13	92	5.02	0.099
3474	Soil	1.28	110.29	7.32	65.8	173	121.9	26.9	773	4.46	24.4	0.6	4.0	3.7	65.0	0.15	1.02	0.15	123	0.66	0.084
3475	Soil	1.76	95.12	6.81	67.4	89	73.8	25.3	858	3.98	24.3	0.6	8.6	3.4	156.2	0.28	1.20	0.21	106	3.53	0.107
3476	Soil	1.99	118.97	8.70	72.3	135	71.4	27.0	1053	4.64	34.5	0.7	3.5	3.8	68.1	0.17	1.67	0.34	122	0.71	0.117
3477	Soil	0.80	106.23	5.02	62.3	86	43.3	18.3	460	3.92	8.4	0.5	3.7	2.8	46.8	0.08	0.53	0.10	109	0.42	0.094
3478	Soil	1.34	116.88	7.12	61.8	230	69.0	23.7	849	4.01	24.3	0.4	5.8	3.0	85.0	0.21	1.16	0.23	100	0.92	0.070
3479	Soil	1.39	102.33	6.87	74.3	153	69.0	23.6	819	4.05	26.3	0.5	5.0	3.8	163.4	0.31	1.23	0.24	104	3.77	0.105
3480	Soil	1.27	97.68	7.04	60.5	97	65.3	22.9	826	4.04	21.8	0.5	6.7	3.4	94.3	0.18	1.22	0.26	106	1.48	0.110
3481	Soil	1.57	70.26	7.42	52.2	148	50.6	15.5	348	3.60	22.3	0.5	8.5	2.7	37.6	0.07	1.40	0.19	99	0.32	0.049
3483	Soil	1.95	62.36	5.47	46.8	58	53.8	15.2	384	3.54	28.3	0.5	3.7	2.7	36.3	0.06	1.41	0.15	98	0.35	0.048
3484	Soil	1.51	110.03	6.84	60.6	101	48.9	24.1	814	3.76	26.4	0.5	4.9	3.0	45.1	0.13	1.11	0.17	99	0.53	0.075
3485	Soil	1.04	92.22	15.52	94.2	99	117.1	36.3	710	5.76	4.4	0.4	1.4	1.7	411.1	0.09	0.25	0.07	152	1.73	0.332
3486	Soil	0.97	64.94	6.16	85.9	140	52.7	19.8	686	3.96	12.2	0.4	1.2	2.0	87.6	0.13	0.55	0.13	111	0.47	0.112
3487	Soil	1.64	229.76	7.01	78.2	228	76.4	35.5	1608	8.56	25.9	0.7	6.0	3.3	61.6	0.13	1.37	0.12	196	0.78	0.103
3488	Soil	0.72	36.50	4.36	56.2	115	37.6	14.0	429	3.00	9.3	0.4	1.4	2.5	33.3	0.11	0.49	0.07	83	0.30	0.061
3489	Soil	3.25	153.01	9.87	99.1	595	46.5	22.0	896	4.95	45.1	0.5	4.2	1.6	54.7	0.18	0.71	0.19	83	0.63	0.084
3490	Soil	1.41	96.17	6.68	67.1	136	94.0	23.3	693	4.22	32.6	0.6	7.1	3.3	51.5	0.12	1.64	0.17	107	0.57	0.103



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Part: 2 of 2

CERTIFICATE OF ANALYSIS

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Method	Analyte	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
3461	Soil	13.2	86.6	1.26	242.4	0.082	3	1.88	0.016	0.14	0.1	11.8	0.10	<0.02	70	0.2	0.07	5.2
3462	Soil	9.3	77.5	0.85	101.8	0.104	3	1.66	0.016	0.13	<0.1	6.6	0.09	<0.02	36	0.2	<0.02	4.7
3463	Soil	16.5	82.6	1.08	119.3	0.109	3	2.31	0.019	0.22	0.1	12.3	0.15	<0.02	67	0.2	<0.02	6.2
3464	Soil	8.7	71.9	0.74	81.9	0.102	2	1.57	0.014	0.08	<0.1	3.9	0.07	<0.02	41	0.2	<0.02	4.1
3466	Soil	2.7	21.1	0.86	313.9	0.017	6	0.45	0.009	0.04	<0.1	1.2	0.05	<0.02	33	1.3	0.09	1.5
3467	Soil	11.4	99.7	1.55	222.6	0.076	5	1.75	0.019	0.17	0.1	9.8	0.10	0.02	105	0.4	0.03	5.3
3468	Soil	12.4	73.6	1.12	189.9	0.076	5	1.51	0.015	0.13	0.1	7.1	0.12	0.02	100	0.8	0.02	4.6
3469	Soil	16.3	80.5	1.27	169.2	0.094	4	1.93	0.021	0.19	0.1	9.8	0.12	<0.02	60	0.2	0.04	5.6
3470	Soil	11.7	107.1	1.68	130.0	0.109	4	1.85	0.021	0.18	0.1	9.0	0.12	<0.02	55	<0.1	0.03	5.9
3471	Soil	8.9	70.8	0.63	126.8	0.083	4	1.34	0.009	0.13	<0.1	5.4	0.08	<0.02	30	0.1	<0.02	4.6
3472	Soil	15.9	93.3	1.23	136.6	0.084	2	2.06	0.015	0.21	0.1	11.7	0.15	<0.02	76	<0.1	0.04	6.4
3473	Soil	12.6	98.3	1.48	125.8	0.093	4	1.77	0.018	0.17	0.1	8.9	0.13	<0.02	45	0.3	0.04	5.1
3474	Soil	15.3	151.1	1.68	154.6	0.116	3	2.38	0.014	0.21	0.1	13.6	0.18	<0.02	56	0.3	0.03	6.9
3475	Soil	14.3	95.8	1.55	162.0	0.112	3	1.87	0.021	0.23	0.2	8.8	0.15	<0.02	56	<0.1	0.07	5.9
3476	Soil	18.3	92.3	1.35	195.5	0.125	3	2.27	0.025	0.36	0.3	11.0	0.21	<0.02	59	<0.1	0.15	6.5
3477	Soil	10.2	97.4	1.06	61.2	0.128	3	1.95	0.008	0.09	0.1	5.9	0.07	<0.02	18	0.1	0.03	5.8
3478	Soil	16.0	95.6	1.25	164.5	0.099	4	2.04	0.016	0.20	0.3	8.5	0.12	<0.02	68	0.5	0.06	6.1
3479	Soil	16.5	98.8	1.33	158.6	0.109	2	1.96	0.019	0.24	0.2	9.7	0.14	<0.02	69	<0.1	0.06	6.0
3480	Soil	14.8	95.7	1.31	181.9	0.102	3	1.88	0.016	0.25	0.5	9.6	0.16	<0.02	52	0.2	0.07	5.5
3481	Soil	11.2	84.4	0.96	104.4	0.113	4	1.59	0.011	0.17	0.2	5.9	0.11	<0.02	24	0.4	0.06	4.6
3483	Soil	8.7	108.9	0.93	79.1	0.105	2	1.45	0.009	0.16	0.2	5.4	0.11	<0.02	27	0.1	0.05	4.6
3484	Soil	13.9	82.5	0.87	110.6	0.077	2	1.64	0.008	0.17	0.2	9.8	0.17	<0.02	27	0.2	0.05	5.2
3485	Soil	75.1	119.4	2.86	1641.9	0.160	1	3.15	0.095	0.88	0.1	6.8	0.12	0.03	13	0.2	0.03	11.9
3486	Soil	11.4	80.6	1.07	234.5	0.128	2	2.65	0.012	0.22	0.2	5.7	0.10	<0.02	20	<0.1	0.04	7.6
3487	Soil	18.9	183.8	1.48	165.9	0.048	3	3.51	0.007	0.23	<0.1	52.9	0.16	<0.02	136	0.4	0.03	10.3
3488	Soil	10.2	77.4	0.67	92.0	0.103	2	1.30	0.008	0.12	<0.1	4.2	0.08	<0.02	33	<0.1	<0.02	4.2
3489	Soil	15.2	52.5	0.41	319.0	0.007	2	1.32	0.005	0.15	<0.1	13.9	0.08	<0.02	49	1.0	0.07	3.1
3490	Soil	15.6	141.5	1.46	168.9	0.103	2	2.10	0.015	0.28	0.2	10.1	0.16	<0.02	65	<0.1	0.06	6.3



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Page: 1 of 1 **Part:** 1 of 2

QUALITY CONTROL REPORT

VAN18002860.1

Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001	
Pulp Duplicates																					
3464 Soil	0.91	38.07	4.28	45.6	87	47.7	13.3	309	2.98	9.3	0.6	3.4	2.6	34.2	0.09	0.49	0.09	84	0.41	0.046	
REP 3464 QC	0.82	37.48	4.06	42.6	82	45.8	12.9	302	2.96	8.7	0.6	2.4	2.5	33.0	0.10	0.47	0.07	81	0.39	0.042	
3468 Soil	0.82	63.54	4.84	40.5	322	51.7	15.6	477	2.79	15.0	0.5	3.8	2.0	428.2	0.38	0.67	0.09	72	12.54	0.078	
REP 3468 QC	0.77	61.46	4.85	40.6	305	50.2	15.4	465	2.75	14.2	0.5	3.7	2.0	425.3	0.37	0.66	0.09	71	12.46	0.075	
Reference Materials																					
STD DS11 Standard	14.01	159.58	140.18	344.0	1778	78.1	13.0	1037	3.15	44.0	2.6	82.6	8.1	71.3	2.45	9.67	12.20	52	1.06	0.068	
STD DS11 Standard	14.76	154.89	138.93	339.5	1783	80.6	13.9	989	3.04	42.7	2.8	73.2	7.9	66.1	2.31	9.38	12.18	48	1.01	0.064	
STD OREAS262 Standard	0.68	121.19	55.90	145.5	399	63.9	27.3	532	3.26	33.9	1.2	68.1	9.4	37.6	0.53	5.31	1.00	22	2.91	0.039	
STD OREAS262 Standard	0.70	117.94	57.32	148.6	444	61.6	26.9	511	3.16	35.4	1.3	75.9	9.4	34.9	0.62	6.47	1.05	21	2.93	0.038	
STD OXC129 Standard	1.34	28.01	6.79	38.2	12	80.9	20.7	416	3.01	0.4	0.8	205.8	2.0	188.5	<0.01	0.04	<0.02	54	0.65	0.095	
STD OXC129 Standard	1.28	28.17	6.26	39.9	13	81.6	20.6	409	2.94	0.4	0.7	204.0	1.9	172.9	<0.01	0.04	0.05	49	0.65	0.098	
STD OXC129 Expected	1.3	28	6.3	42.9	13	79.5	20.3	421	3.065	0.6	0.69	195	1.9		0.03	0.04		51	0.684	0.102	
STD DS11 Expected	14.6	149	138	345	1710	77.7	14.2	1055	3.1	42.8	2.59	79	7.65	67.3	2.37	8.74	12.2	50	1.063	0.0701	
BLK Blank	<0.01	<0.01	<0.01	<0.1	3	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<1	<0.01	<0.001	
BLK Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<1	<0.01	<0.001	



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QUALITY CONTROL REPORT

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Method	Analyte	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
Pulp Duplicates																		
3464	Soil	8.7	71.9	0.74	81.9	0.102	2	1.57	0.014	0.08	<0.1	3.9	0.07	<0.02	41	0.2	<0.02	4.1
REP 3464	QC	8.2	67.6	0.74	76.8	0.093	2	1.49	0.009	0.08	<0.1	3.7	0.06	<0.02	24	0.1	0.03	4.1
3468	Soil	12.4	73.6	1.12	189.9	0.076	5	1.51	0.015	0.13	0.1	7.1	0.12	0.02	100	0.8	0.02	4.6
REP 3468	QC	12.3	72.0	1.11	185.0	0.073	4	1.49	0.015	0.13	0.1	6.9	0.11	0.02	76	0.6	0.04	4.2
Reference Materials																		
STD DS11	Standard	18.3	57.8	0.84	366.6	0.091	7	1.15	0.074	0.40	3.1	3.1	4.94	0.28	282	2.3	4.86	5.1
STD DS11	Standard	17.8	60.1	0.82	357.9	0.091	7	1.16	0.078	0.40	2.8	3.1	4.71	0.27	262	2.0	4.58	4.7
STD OREAS262	Standard	14.3	45.2	1.18	218.4	0.003	3	1.29	0.069	0.30	0.2	3.2	0.44	0.26	148	0.4	0.21	3.9
STD OREAS262	Standard	15.5	42.7	1.14	249.0	0.003	4	1.24	0.070	0.31	0.2	3.1	0.44	0.25	158	0.2	0.24	3.7
STD OXC129	Standard	13.8	53.3	1.53	51.6	0.418	1	1.53	0.582	0.37	<0.1	0.8	0.03	<0.02	<5	<0.1	<0.02	5.1
STD OXC129	Standard	12.3	52.0	1.48	49.4	0.394	<1	1.52	0.589	0.36	<0.1	1.1	0.03	<0.02	5	<0.1	<0.02	5.0
STD OXC129 Expected		12.5	52	1.545	50	0.4	1	1.58	0.59	0.3655	0.08	1.1	0.03					5.5
STD DS11 Expected		18.6	61.5	0.85	385	0.0976		1.1795	0.0762	0.4	2.9	3.4	4.9	0.2835	260	2.2	4.56	5.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1



BUREAU VERITAS MINERAL LABORATORIES
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Bureau Veritas Commodities Canada Ltd.
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PHONE (604) 253-3158

Client: **Eagle Peak Resources Inc.**
910 - 475 W. Georgia St.
Vancouver British Columbia V6B 4M9 Canada

Submitted By: Lloyd Tattersall
Receiving Lab: Canada-Vancouver
Received: October 11, 2018
Report Date: November 21, 2018
Page: 1 of 2

CERTIFICATE OF ANALYSIS

VAN18002861.1

CLIENT JOB INFORMATION

Project: Miracle
Shipment ID:
P.O. Number
Number of Samples: 6

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	6	Crush, split and pulverize 250 g rock to 200 mesh			VAN
AQ251	6	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	15	Completed	VAN

SAMPLE DISPOSAL

PICKUP-PLP Client to Pickup Pulps
PICKUP-RJT Client to Pickup Rejects

ADDITIONAL COMMENTS

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

Invoice To: Eagle Peak Resources Inc.
910 - 475 W. Georgia St.
Vancouver British Columbia V6B 4M9
Canada

CC: Peter Fox


KERRY JAY
Geochem Project Specialist

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



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Project: Miracle
Report Date: November 21, 2018

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CERTIFICATE OF ANALYSIS

VAN18002861.1

Method	WGHT	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm		
MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	
3491	Rock	0.62	2.57	103.28	2.29	75.5	97	17.1	27.7	892	5.27	3.4	0.3	5.1	0.7	122.3	0.09	0.13	<0.02	160	1.31
3492	Rock	0.47	0.77	9.64	6.82	15.9	48	6.2	2.6	236	1.11	6.8	0.8	11.3	4.5	37.8	0.02	0.73	0.42	6	0.51
3493	Rock	0.43	0.16	17.12	7.94	18.8	48	6.0	3.1	231	1.12	2.9	1.2	3.0	2.4	65.4	0.05	0.50	0.15	4	1.18
3494	Rock	0.52	6.15	231.58	8.86	52.4	152	12.5	15.5	898	4.21	23.1	0.3	2.9	0.8	522.3	0.12	0.44	0.29	89	4.50
3495	Rock	0.47	0.62	15.04	11.99	17.8	31	2.9	2.0	189	1.07	11.6	0.9	2.3	2.8	72.5	0.05	1.08	0.31	3	1.63
3496	Rock	0.31	3.46	12.22	7.74	12.2	150	3.7	1.6	281	0.89	64.9	0.7	3.5	3.1	71.2	0.10	1.39	0.53	3	1.97



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Project: Miracle
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CERTIFICATE OF ANALYSIS

VAN18002861.1

Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	
MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	
3491	Rock	0.186	7.1	23.1	2.43	28.4	0.210	3	2.16	0.049	0.06	<0.1	6.5	<0.02	0.32	23	<0.1	0.03	8.6
3492	Rock	0.053	14.9	3.4	0.06	177.1	0.002	3	0.47	0.060	0.23	0.1	1.7	0.06	0.20	22	<0.1	0.14	1.5
3493	Rock	0.040	4.1	1.8	0.38	522.9	<0.001	<1	0.44	0.039	0.24	<0.1	1.1	0.06	0.11	14	<0.1	0.08	1.2
3494	Rock	0.330	6.6	1.0	1.15	97.1	0.002	2	0.72	0.015	0.37	0.2	6.1	0.05	0.14	19	0.2	0.04	1.6
3495	Rock	0.008	6.6	1.9	0.52	576.0	<0.001	2	0.50	0.005	0.18	0.1	1.1	0.03	0.15	5	<0.1	0.15	0.9
3496	Rock	0.026	9.0	1.5	0.04	353.2	<0.001	2	0.39	0.045	0.24	0.1	0.8	0.06	0.10	10	0.1	0.35	1.1



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Report Date: November 21, 2018

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QUALITY CONTROL REPORT

VAN18002861.1

Method	WGHT	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	
Pulp Duplicates																					
3495	Rock	0.47	0.62	15.04	11.99	17.8	31	2.9	2.0	189	1.07	11.6	0.9	2.3	2.8	72.5	0.05	1.08	0.31	3	1.63
REP 3495	QC		0.61	14.74	11.70	17.1	36	3.2	1.9	187	1.06	11.3	0.9	2.2	2.7	73.0	0.05	1.06	0.31	3	1.62
Reference Materials																					
STD DS11	Standard		14.50	153.29	152.04	349.4	1743	81.3	13.7	1041	3.22	45.6	2.9	85.1	8.9	72.9	2.58	10.33	13.13	52	1.07
STD OREAS262	Standard		0.73	116.22	62.69	152.1	448	63.0	25.9	536	3.30	37.5	1.4	75.6	10.5	40.1	0.68	6.76	1.11	22	2.90
STD OXC129	Standard		1.22	26.61	6.85	41.6	11	77.0	19.0	407	3.03	0.4	0.8	207.9	2.1	191.8	<0.01	0.04	<0.02	54	0.65
STD OXC129 Expected			1.3	28	6.2	42.9	13	79.5	20.3	421	3.065	0.6	0.69	195	1.9		0.03	0.04		51	0.684
STD DS11 Expected			14.6	149	138	345	1710	77.7	14.2	1055	3.1	42.8	2.59	79	7.65	67.3	2.37	8.74	12.2	50	1.063
BLK	Blank		<0.01	<0.01	0.02	<0.1	3	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<1	<0.01
Prep Wash																					
ROCK-VAN	Prep Blank		0.88	2.19	1.49	30.8	12	0.8	3.6	490	1.90	1.1	0.4	2.4	2.5	22.5	0.05	0.06	<0.02	26	0.59



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QUALITY CONTROL REPORT

VAN18002861.1

Method		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	
MDL		0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	
Pulp Duplicates																				
3495	Rock	0.008	6.6	1.9	0.52	576.0	<0.001	2	0.50	0.005	0.18	0.1	1.1	0.03	0.15	5	<0.1	0.15	0.9	
REP 3495	QC	0.008	6.9	1.7	0.52	581.4	<0.001	2	0.51	0.005	0.18	0.1	1.0	0.03	0.15	12	<0.1	0.14	0.9	
Reference Materials																				
STD DS11	Standard	0.076	20.0	59.5	0.85	389.6	0.095	6	1.15	0.073	0.40	3.3	3.3	5.11	0.29	260	2.5	4.72	5.0	
STD OREAS262	Standard	0.041	16.1	42.0	1.17	253.7	0.003	3	1.25	0.070	0.30	0.2	3.3	0.50	0.26	153	0.5	0.24	3.9	
STD OXC129	Standard	0.100	13.4	49.2	1.52	50.5	0.397	1	1.52	0.573	0.37	<0.1	1.1	0.04	<0.02	<5	<0.1	<0.02	5.5	
STD OXC129 Expected		0.102	12.5	52	1.545	50	0.4	1	1.58	0.59	0.3655	0.08	1.1	0.03					5.5	
STD DS11 Expected		0.0701	18.6	61.5	0.85	385	0.0976		1.1795	0.0762	0.4	2.9	3.4	4.9	0.2835	260	2.2	4.56	5.1	
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	
Prep Wash																				
ROCK-VAN	Prep Blank	0.045	6.4	2.6	0.46	56.5	0.071	1	0.82	0.082	0.08	<0.1	2.8	<0.02	<0.02	5	<0.1	<0.02	4.1	