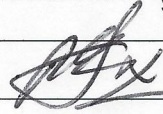


**Ministry of Energy, Mines & Petroleum Resources**  
Mining & Minerals Division  
BC Geological Survey

**Assessment Report  
Title Page and Summary**

**TYPE OF REPORT [type of survey(s)]:** Geological and Geochemical report Miracle Property **TOTAL COST:** \$ 30,720

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

**NOTICE OF WORK PERMIT NUMBER(S)/DATE(S):** \_\_\_\_\_ **YEAR OF WORK:** 2016

**STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S):** 5612222, July 29, 2016

**PROPERTY NAME:** Miracle

**CLAIM NAME(S) (on which the work was done):** 1037209,1037210,1037212,1037214

**COMMODITIES SOUGHT:** Cu Mo

**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) \_\_\_\_\_

**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):**  
Upper Triassic Quesnellia Molybdenum  
Copper Gold

**REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS:** Fox 2009, Geochemical report aris 31168  
Fox PE, 2013, Geological geochemical report aris 31797; Fox PE, 2015, Geochemical Report aris 35575

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	2.7 km sq 1:20000	1037209, 1037210	\$17,600
Photo interpretation			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for...)		1037214, 1037212	\$13,070
Soil 50 samples, 37 elements			
Silt			
Rock 1 sample, whole rock 10 elements			\$50
Other			
DRILLING (total metres; number of holes, size)			
Core			
Non-core			
RELATED TECHNICAL			
Sampling/assaying			
Petrographic			
Mineralographic			
Metallurgic			
PROSPECTING (scale, area)			
PREPARATORY / PHYSICAL			
Line/grid (kilometres)			
Topographic/Photogrammetric (scale, area)			
Legal surveys (scale, area)			
Road, local access (kilometres)/trail			
Trench (metres)			
Underground dev. (metres)			
Other			
		TOTAL COST:	\$30,720

ASSESSMENT REPORT

GEOLOGICAL AND GEOCHEMICAL REPORT  
MIRACLE PROSPECT

Cariboo Mining Division

NTS93A5

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.

August 15, 2016

**Event No.5612222**

(July 29, 2016)

*Cream, Peaks, Connector and Miracle 1-7 Claims*

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**SUMMARY**

This report documents work done by Eagle Peak Resources Inc in 2016 on the Miracle prospect, part of the large Miocene claim block. Work comprised geological mapping and soil sampling on the Miracle prospect near Gavin Lake, British Columbia.

The Miracle soil sampling program comprised 50 soil samples collected at 100m intervals on a local road network east of Gavin Lake and geological mapping covering an area south of Gavin Lake. Copper contents of the Miracle soils range from 19 to 105 ppm. Average copper content is 54 ppm. Molybdenum contents range from 0.5 to 10 ppm and average 1.5 ppm. Both Mo and Cu are at regional background levels. A sample of diorite/gabbro (3417) exposed near the south boundary of the claims on a branch of the Fire Lake road was submitted for whole rock analysis. Results show this body to be similar in chemical composition to other intrusive bodies in the region.

Geological work extended and refined previous work done in 2013. The rock succession on the property established by this year's mapping program comprises an east-dipping assemblage of Upper Triassic and Lower Jurassic rocks seen elsewhere in the Mount Polley and nearby Morehead Lake areas. However the felsic beds here are mainly poorly sorted and often chaotic conglomerate consisting of subangular felsic clasts 2-10 cm, basalt fragments, felsic breccia clasts up to 25cm, and rare angular clasts of pinkish syenite (?). These rocks are well exposed along the Fire Lake road just south of the property boundary and proved useful in interpreting similar units farther north on the ridge areas south of Little Lake. The felsic beds are overlain by black, poorly bedded calcareous argillite similar to the rocks exposed just west of Fire Lake. The above rocks are cut by small bodies of massive pyroxenite and diorite/gabbro exposed south of the area mapped in 2013.

The purpose of the geochemical survey was to follow up copper anomalies identified in this area by previous worker and to continue the mapping work started in 2013. Expenditures total \$30,720.

## **INTRODUCTION**

This report documents work done by Eagle Peak Resources Inc in 2016 on the Miracle prospect, Gavin Lake area, part of a large claim block collectively known as the Miocene project. Work comprised geological mapping south of Little Lake and soil sampling to follow up previous work. Results of the program are detailed herein and recommendations made for continuing work. Expenditures total \$30,720. 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 5 km from the Likely Highway.

The claims lie in the Quesnel Highlands physiographic area of the Interior Plateau east of Williams Lake; a region of lakes, broad valleys and wooded uplands. Harsh winters and inclement overcast summer days promote 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 10 mineral tenures<sup>1</sup> covering an area of 8,275.7 hectares (Figure 2, Table 1). Expiry dates assume the work documented herein is accepted for assessment requirements. Work was filed on July 29, 2016 under event # 5612222. Work was completed between July 18, 2016 and July 29, 2016 under Mine Permit MX-10-211.

## **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 and Wiggins creeks. 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

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<sup>1</sup> *Previous claim holdings were amalgamated in July 2015*

**TABLE 1 CLAIM LIST**

Title Number	Claim	Expiry	Area ha
1035825	CONNECTOR	2017/JUL/31	750.01
1037207	MIRACLE 1	2017/JUL/31	1023.21
1037208	MIRACLE 2	2017/JUL/31	570.48
1037209	MIRACLE 3	2017/JUL/31	1043.40
1037210	MIRACLE 4	2017/JUL/31	551.30
1037211	MIRACLE 5	2017/JUL/31	885.63
1037212	MIRACLE 6	2017/JUL/31	649.72
1037213	MIRACLE 7	2017/JUL/31	906.09
1037214	CREAM	2017/JUL/31	649.66
1037215	PEAKS	2017/JUL/31	1246.21

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 showing<sup>2</sup> 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 and 2015 (Fox 2013, 2015) north and south of Gavin and Little Lakes.

## REGIONAL GEOLOGY

The Miocene claim group (Figure 3) lies along the Central Quesnel Terrane, a complex island arc, continental margin basin(?) forming a regional synclinal structure west of the North American plate during the Triassic-Jurassic (Panteleyev et al, 1996). Bailey (personal communication 2016) suggests that the

<sup>2</sup> Originally discovered by Merna Lloyd in 1965.

nearby Morehead sediments and volcanic rocks are part of, was deposited *after* Quesnellia had docked with Jurassic North America.

The oldest strata in the region are black shale, argillite, siltstone and sandstone of Middle Triassic age. These rocks underlie much of the Miocene claim area. Overlying this older unit are basaltic pillow lava and breccia of Norian age and still younger fault-bounded blocks of felsic breccia and tuff. Extensive beds of Jurassic pebble conglomerate, shale, siltstone and sandstone with thin red bed units underlie the southwest corner of the Miocene claim area. These rocks are cut by numerous Cretaceous 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), Bailey (1990) and Fox (2013, 2015). North (and south) of Gavin Lake, pyritic siltstone forms bedrock units on the western portion of the property and coarse basaltic tuff and breccia lie to the east. These strata are cut by a westerly striking dike complex of porphyritic quartz monzonite and granite dikes (Gavin Intrusions<sup>3</sup>). Copper and molybdenite showings in these rocks attracted attention to the claim area originally as a porphyry target. South of Little Lake, mapping in 2013 (Fox 2013) discovered previously unexposed strata of basaltic rocks and overlying felsic units comprising massive felsic laharic breccia, conglomerate and tuff and grey and black argillite and siltstone. Mapping this year revised some of this early work and extended mapping to the nearby ridge areas and farther south towards Fire Lake.

The rock succession on the property comprises an east-dipping assemblage of Upper Triassic and Lower Jurassic rocks seen elsewhere in the Mount Polley and nearby Morehead Lake areas (Bailey, 1990). However the felsic beds mapped this year are mainly poorly sorted and often chaotic conglomerate consisting of felsic clasts 2-10 cm, basalt, clasts of felsic breccia up to 25cm, and rare clasts of pinkish syenite (?). These rocks are well exposed along the Fire Lake road just south of the property boundary (Figure 4). Farther north this unit is a locally bedded steeply dipping sequence of polyolithic breccia, sandstone and lapillistone comprised largely of felsic latitic fragments and clasts (similar to Unit 3 of Bailey, 1990). The felsic unit lies in contact with a black, poorly bedded argillite and mudstone at the base of the unit which grades upward into bedded lapillistone and tuff at higher elevations. The above rocks are cut by small bodies of massive pyroxenite and diorite/gabbro exposed south of the area mapped in 2013 on



**Breccia with pink syenite? clasts**

<sup>3</sup> Whole rock analyses indicate these rocks are peraluminous granite having a silica content of 69.95% and total alkalis of 7.76% and normative corundum (Fox 2015).

road #3 (Figure 4). A sample (3417) 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 and results given in Appendix III. 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.

The provenance of sedimentation and deposition of Upper Triassic (?) conglomerate and sediments following deposition of Norian basalts is unknown but appears related to extensive denudation, erosion and recurrent slumping and resedimentation of Upper Triassic plutonic rocks and host units. South of the property, the basalt unit may be some 1500m thick and the overlying polyolithic felsic conglomerate about 500m thick (but thinning northward toward Little Lake).

An easterly fault along Gavin Lake seems to offset local stratigraphy (Figure 4) although the exact relation to more extensive basalt-felsic units northeast of Gavin Lake and north to Moorhead Lake is not clear. It is clear that the basalt-felsic unit south of Little Lake described herein, which is in fault contact with Middle Triassic argillite and siltstone to the east, does not continue north but may be offset to the west, based on airborne magnetics, to a till-covered area west of the Likely highway.

## **MINERALIZATION**

The well-known Miracle epithermal vein north of Gavin Lake just northwest 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 chalcopryite, 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 chalcopryite were noted in 2013 in tuffs and breccia exposed on the Shelterwood road south of Little Lake, a westerly extension of Gavin Lake. Broad areas of iron carbonated-altered rocks are exposed on road cuts on Shelterwood road #2.

## WORK PROGRAM

The 2016 soil sampling program comprised 50 soil samples collected from glacial tills at approximately 100m along the east Gavin Lake road network together with geological mapping south of Little Lake (Figure 2). The purpose of the sampling work was to continue reconnaissance geochemical sampling work east of the earlier programs by Westervelt (1974), Carter and Barclay (1984) and Fox (2013, 2015). Sample numbers are given in Figure 5 along with copper, gold and molybdenum contents. Sample data are given in Appendix I and analytical certificates in Appendix II. Samples were taken of B horizon soils, usually poorly developed and greyish C horizon rocky, 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 20 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 (36 elements) using the -80mesh fraction of dried and screened soil material (15 gm aliquot). Detection limits for copper and molybdenum are 0.1 ppm. The whole rock (3417) was done by Bureau Veritas (Acme) laboratories; code LF302-Ext, ICP-ES standard oxide suite lithium borate fusion 250 gram aliquot (Appendix III).



**Basal till at sample 3391**

Geological mapping, an on-going program, covered timbered ridges south of Little Lake (Figure 4) along the Shelterwood and Fire Lake road networks. This work extended prior work started in 2013. Some 2.7 km<sup>2</sup> were covered this year (Figure 4) within the claim block.

## RESULTS

Results for copper (ppm), gold (ppb) and molybdenum (ppm) are given in Figure 5 and set out in Appendix I. Copper contents of the Miracle soils range from 19 to 105 ppm. Average copper content is 54 ppm. Molybdenum contents range from 0.5 to 10 ppm and average 1.5 ppm. Gold contents range from 0.6 to 32 ppb. Both Mo and Cu are at regional background levels.

Rock sample 3417, a fresh-looking diorite near the south boundary, was analyzed for major and minor elements (Appendix III). This unit, described above, is similar in composition to other intrusive rocks in the region particularly the QR diorite stock just to the north on the Quesnel River.

## CONCLUSIONS AND RECOMMENDATIONS

Further mapping work is recommended on the ridges south of Little Lake and to continue soil sampling in the area immediately south of Little Lake on the Shelterwood road network.

**COST STATEMENT**

Work expenditures are tabulated below in Table 2

**TABLE 2. EXPENDITURES**

Miracle Project	Item, time	Rates	Subcost	Cost
Labour ( incl travel)	M Bailey sampler: July 18-21 2016	4 days@\$245	980	
	A.Bailey, labour July 18-21,2016	4days@\$150	600	
	L..Tattersall, technician,prospector July 22, 2016	1days@300	300	
Supervision, travel Mapping,sampling	P Fox, geologist i/c, supervision: July 18-21,26-28, 2016	7 days@1800	12600	<b>14,480</b>
Accomodation	Williams Lake	7 days@\$165		<b>1155</b>
Food supplies, meals	15 mandays	\$55/day		<b>825</b>
Truck rentals, fuel mileage (2217km)	1 4wd April 18-21,26-28 2016	7 days @ \$255		<b>1,785</b>
Analyses	BV Acme labs, Vancouver AQ251 36 elements, -80m , 1 Rock 36 elem	51 samples@ \$25		<b>1,275</b>
Field costs	Sample bags, material, maps			<b>400</b>
Report Preparation Maps, interpretation	P Fox Phd PEng Aug 8-13 2016, Manifold software plots,data compilation, report	6 days@ 1800		<b>10,800</b>
<b>Project total</b>				<b>\$30,720</b>

Prepared by



P.E. Fox PhD.,P.Eng

August 15 , 2016

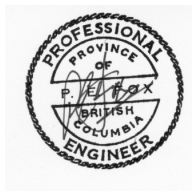
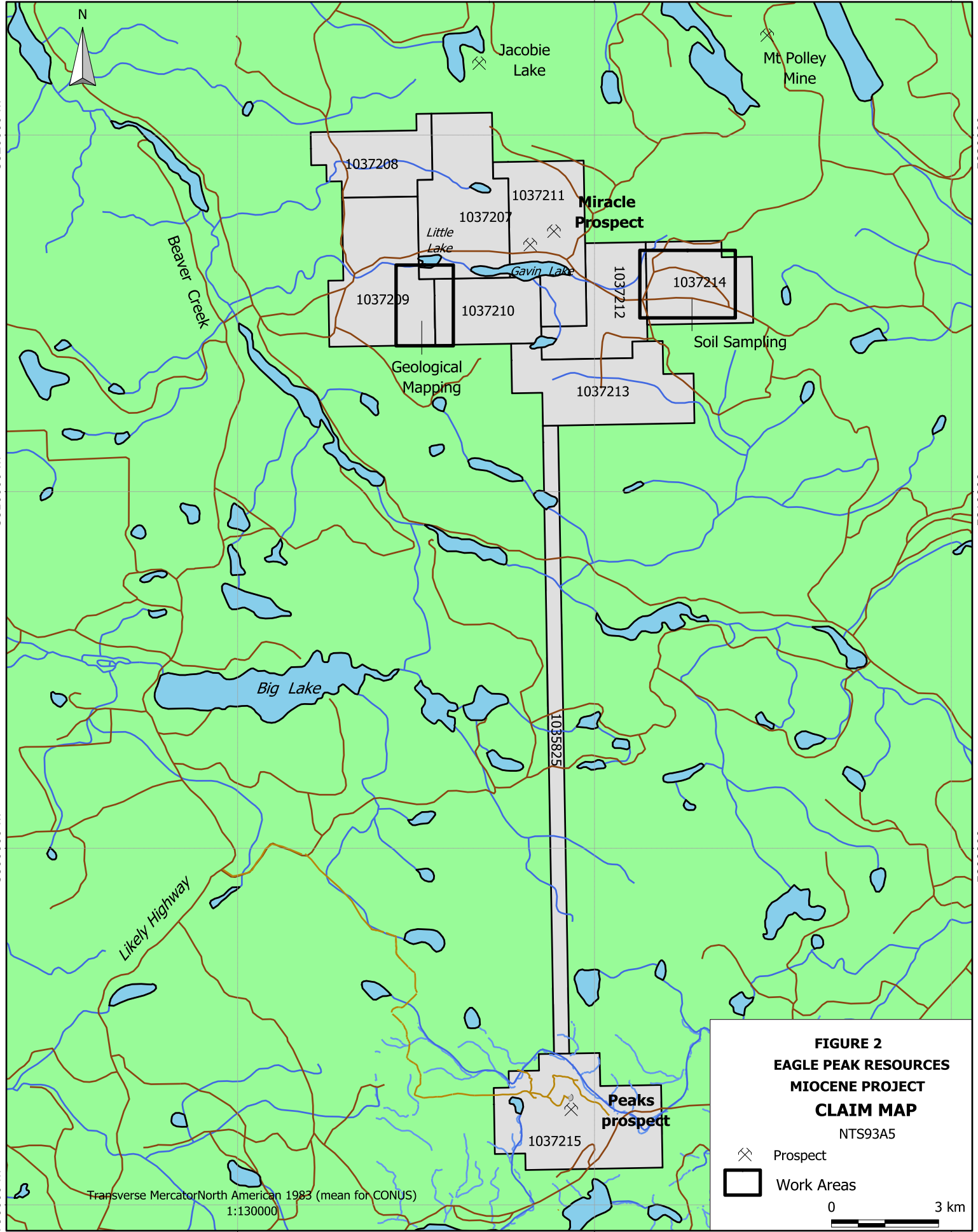






FIGURE 1  
LOCATION MAP

NORTH PACIFIC  
OCEAN






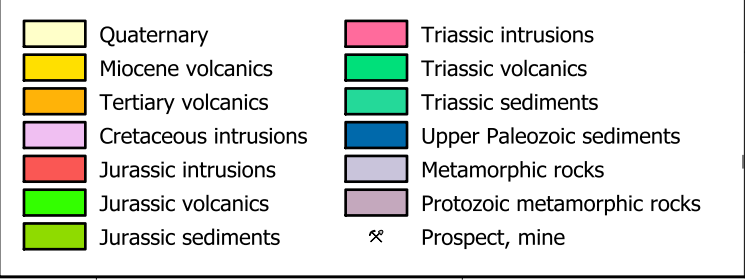
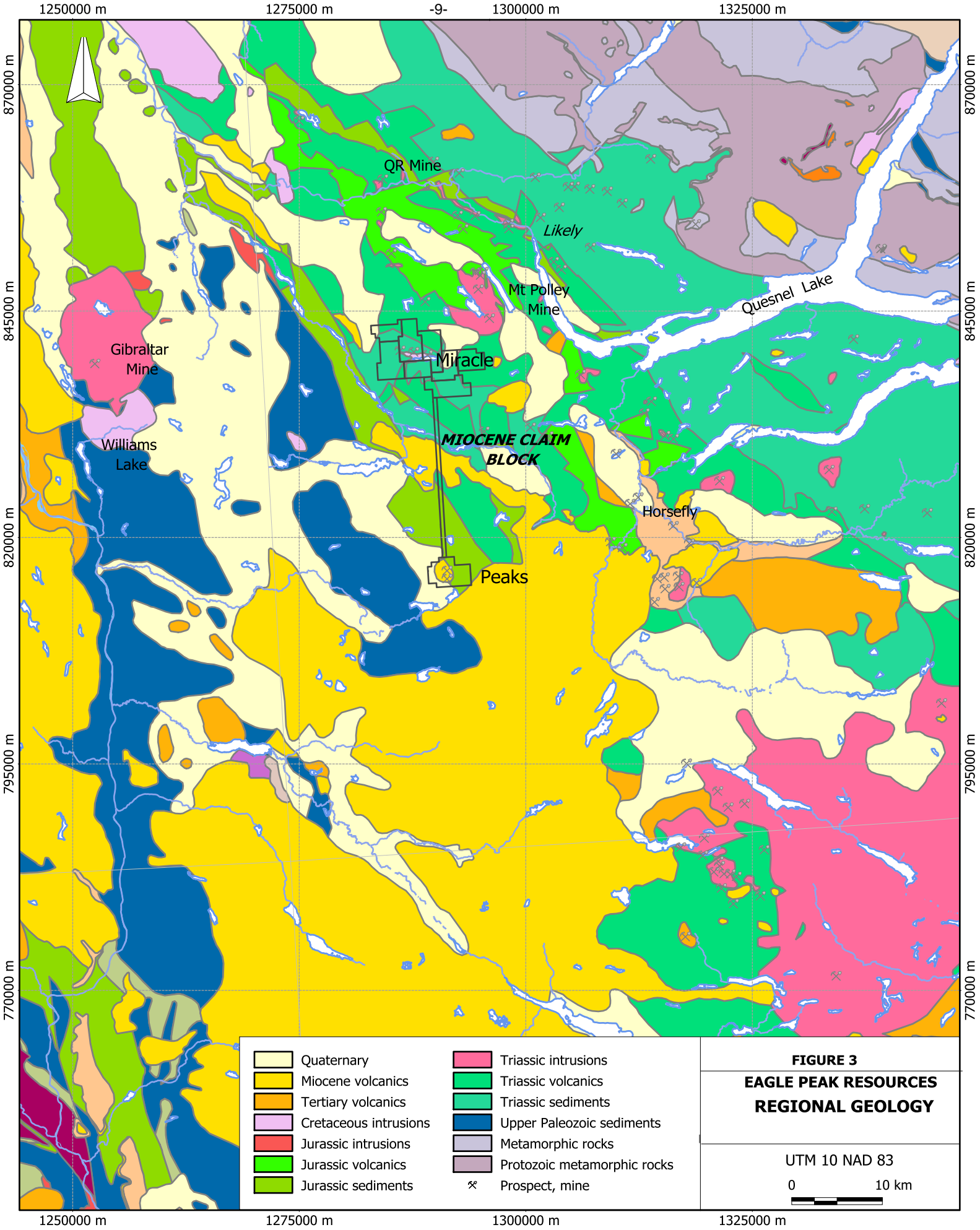
**FIGURE 2**  
**EAGLE PEAK RESOURCES**  
**MIOCENE PROJECT**  
**CLAIM MAP**  
 NTS93A5

 Prospect  
 Work Areas

0 3 km




Transverse Mercator North American 1983 (mean for CONUS)  
 1:130000

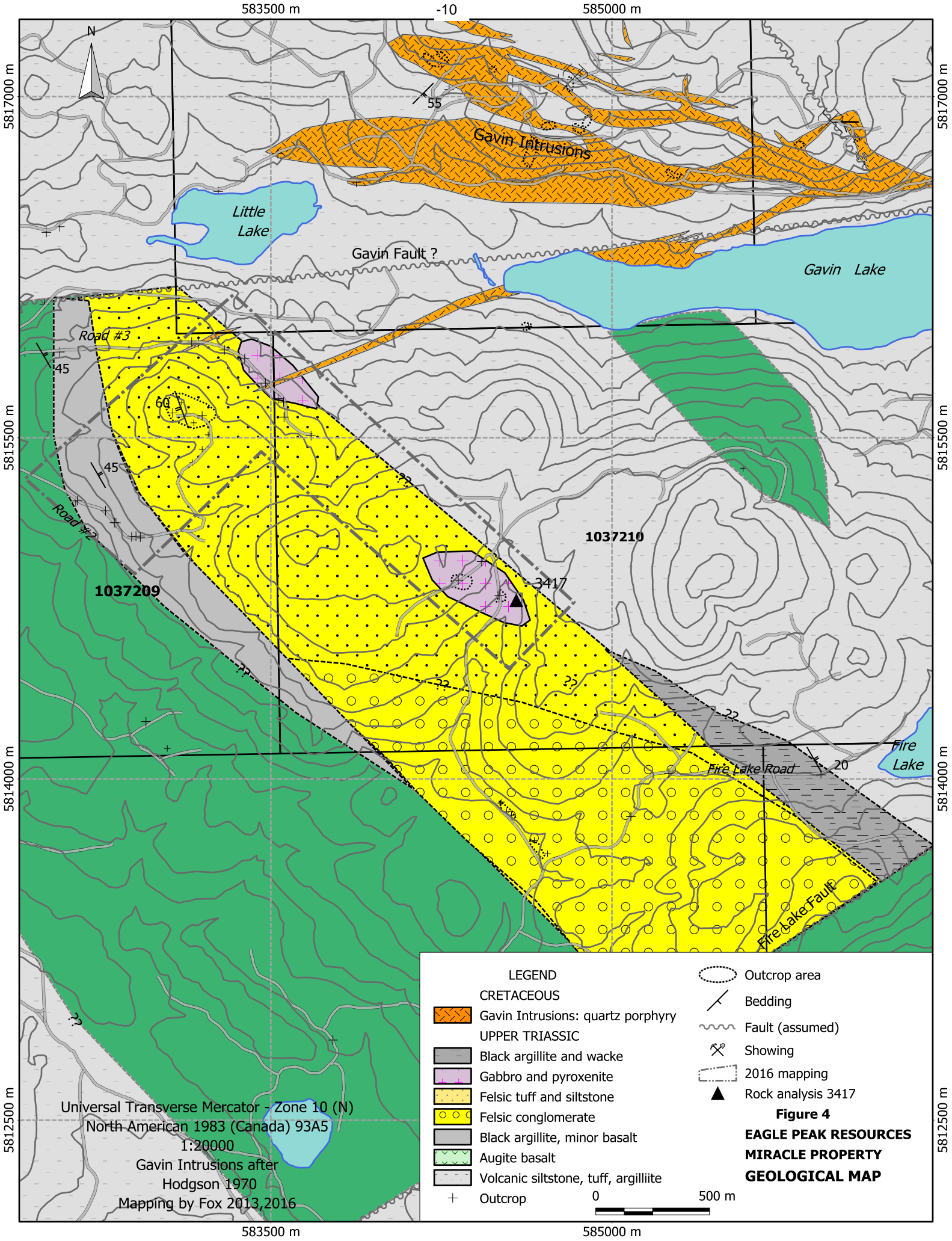


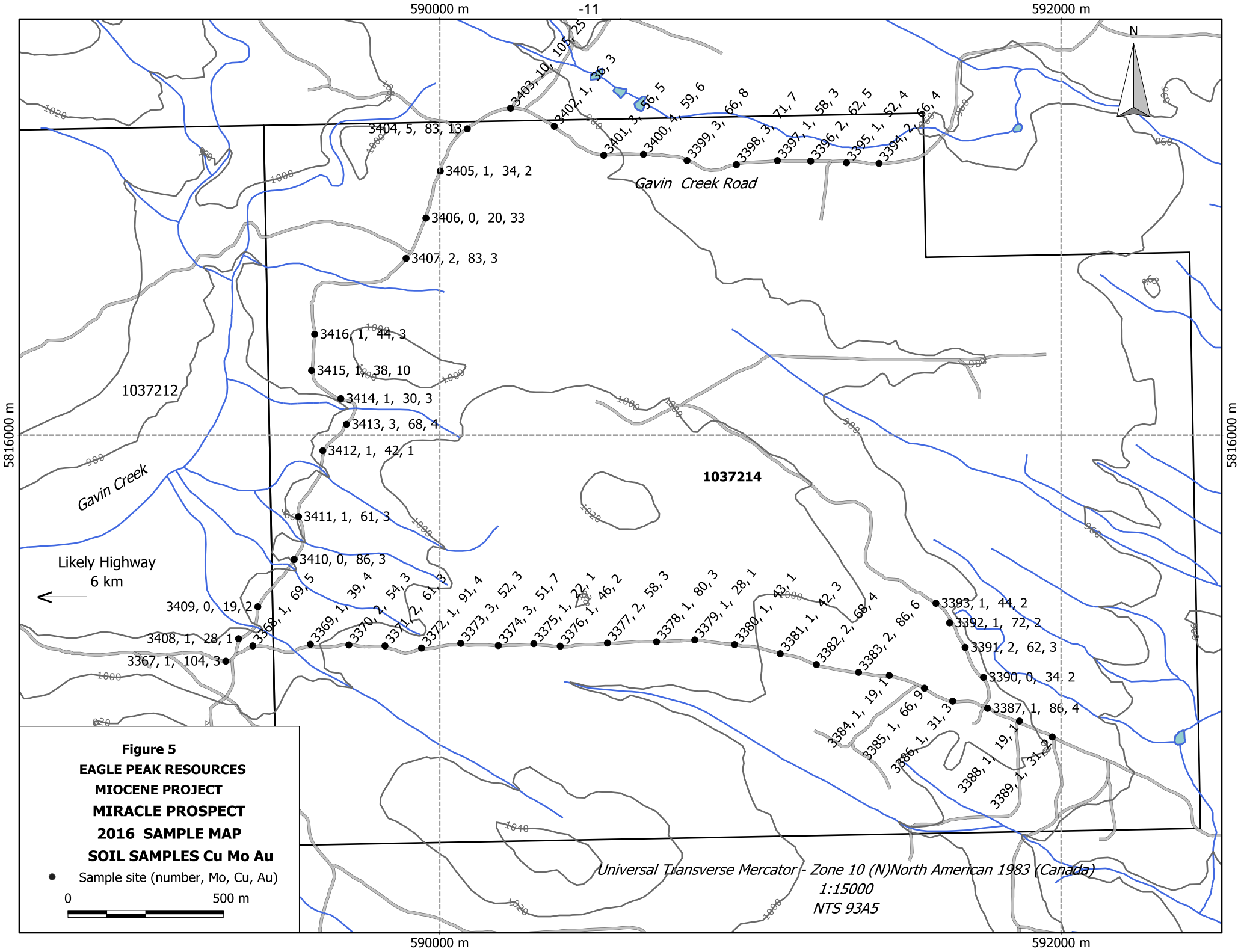
**FIGURE 3**  
**EAGLE PEAK RESOURCES**  
**REGIONAL GEOLOGY**

UTM 10 NAD 83

0 10 km







**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” and supervised all of the work therein.

Dated at Richmond, British Columbia this 15<sup>th</sup> Day of August, 2016

Respectfully submitted,



---

Peter E. Fox PhD.,P.Eng.

August 15, 2016



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**APPENDIX I**

**MIRACLE PROPERTY**

**SAMPLE DATA**

**UTM NAD 83**

Sample	E	N	WP	EI	Sampler	Type	Material	Hor	Color	Topo	Depth cm	Moppm	Cu ppm	Au ppb	Ag ppb
3367	589312	5815273	155	992 m	MB/PF	Soil	Till	C	Brown	Flat	20	1.32	103.86	2.7	95
3368	589399	5815322	156	986 m	MB/PF	Soil	Till	C	Dark brown	Flat	10	0.59	68.6	4.6	53
3369	589584	5815327	157	1005 m	MB/PF	Soil	Till	C	Brown	Flat	5	0.76	38.51	3.8	112
3370	589708	5815325	158	1008 m	MB/PF	Soil	Till	C	Brown	Flat	15	1.86	53.6	2.9	72
3371	589824	5815322	159	1014 m	MB/PF	Soil	Till	C	grey	Flat	5	2.05	60.91	3.1	79
3372	589942	5815315	160	1014 m	MB/PF	Soil	Till	C	Brown	Flat	5	1.05	90.71	3.8	78
3373	590068	5815330	161	1014 m	MB/PF	Soil	Till	C	Brown	Flat	20	2.94	52.43	2.7	93
3374	590189	5815323	162	1017 m	MB/PF	Soil	Till	C	grey	Flat	5	3.01	51.13	6.7	89
3375	590303	5815329	163	1014 m	MB/PF	Soil	Till	C	Brown	Flat	15	0.53	21.97	1.2	80
3376	590388	5815321	164	1018 m	MB/PF	Soil	Till	C	Brown	Flat	5	0.62	45.74	2.4	39
3377	590540	5815331	165	1018 m	MB/PF	Soil	Till	C	Brown	Flat	5	1.51	58.14	3.3	120
3378	590698	5815335	166	1018 m	MB/PF	Soil	Till	C	Brown	Flat	10	0.6	80.3	3	93
3379	590821	5815341	167	1015 m	MB/PF	Soil	Till	C	Brown	Flat	5	0.75	27.56	1.2	116
3380	590949	5815326	168	1009 m	MB/PF	Soil	Till	C	Brown	Flat	5	1.31	42.5	1.3	98
3381	591096	5815297	169	998 m	MB/PF	Soil	Till	C	Brown	Flat	5	1.48	42.44	3.1	103
3382	591212	5815262	170	993 m	MB/PF	Soil	Till	C	Brown	Flat	10	2.49	67.82	4.3	129
3383	591348	5815237	171	994 m	MB/PF	Soil	Till	C	Brown	Flat	5	1.55	85.91	5.5	107
3384	591447	5815227	172	999 m	MB/PF	Soil	Till	C	Brown	Flat	5	0.61	18.81	0.6	98
3385	591560	5815186	173	995 m	MB/PF	Soil	Till	C	Brown	Flat	20	1.09	65.88	9.1	92
3386	591651	5815144	174	996 m	MB/PF	Soil	Till	C	Brown	Flat	5	0.65	30.82	2.5	45
3387	591763	5815121	175	989 m	MB/PF	Soil	Till	C	Brown	Flat	10	0.68	85.7	4.3	82
3388	591866	5815080	176	1000 m	MB/PF	Soil	Till	C	Brown	Flat	5	0.52	19.49	1.1	68
3389	591971	5815029	177	990 m	MB/PF	Soil	Till	C	Brown	Flat	15	0.57	30.8	1.6	118
3390	591750	5815221	178	988 m	MB/PF	Soil	Till	C	Brown	Flat	5	0.48	34.17	1.7	50
3391	591691	5815317	179	987 m	MB/PF	Soil	Till	C	Brown	Flat	5	1.8	61.67	2.9	76
3392	591641	5815396	180	987 m	MB/PF	Soil	Till	C	Brown	Flat	20	0.52	71.91	2.3	91
3393	591597	5815459	181	988 m	MB/PF	Soil	Till	C	Brown	Flat	5	0.64	43.89	1.9	252
3394	591414	5816875	182	958 m	MB/PF	Soil	Till	C	Brown	Flat	15	2.05	65.97	4.1	111
3395	591309	5816877	183	960 m	MB/PF	Soil	Till	C	Brown	Flat	5	1.14	51.7	3.6	53
3396	591194	5816882	184	974 m	MB/PF	Soil	Till	C	Brown	Flat	20	2.21	62.14	4.9	101
3397	591087	5816884	185	971 m	MB/PF	Soil	Till	C	Brown	Flat	10	1.02	58.11	2.5	129
3398	590955	5816871	186	976 m	MB/PF	Soil	Till	C	Brown	Flat	5	3.28	70.57	6.6	126
3399	590796	5816884	187	980 m	MB/PF	Soil	Till	C	Brown	Flat	12	2.94	66.22	7.6	109

Sample	E	N	WP	EI	Sampler	Type	Material	Hor	Color	Topo	Depth cm	Moppm	Cu ppm	Au ppb	Ag ppb
3400	590656	5816904	188	989 m	MB/PF	Soil	Till	C	Brown	Flat	5	3.5	59.42	5.5	101
3401	590528	5816901	189	992 m	MB/PF	Soil	Till	C	Brown	Flat	10	2.5	56.15	5.2	90
3402	590369	5816994	190	990 m	MB/PF	Soil	Till	C	Brown	Flat	5	0.87	35.79	2.9	40
3403	590228	5817052	191	999 m	MB/PF	Soil	Till	C	Brown	Flat	5	10.02	105.16	25.2	218
3404	590089	5816986	192	998 m	MB/PF	Soil	Till	C	Brown	Flat	20	4.9	83.15	12.8	148
3405	590002	5816850	193	991 m	MB/PF	Soil	Till	C	Brown	Flat	5	0.55	33.76	1.7	193
3406	589956	5816699	194	982 m	MB/PF	Soil	Till	C	Brown	Flat	5	0.47	19.62	32.5	129
3407	589892	5816569	195	992 m	MB/PF	Soil	Till	C	Brown	Flat	5	2.27	83.39	3.3	117
3408	589353	5815345	196	994 m	MB/PF	Soil	Till	C	Brown	Flat	10	0.54	28.27	0.7	73
3409	589415	5815448	197	991 m	MB/PF	Soil	Till	C	Brown	Flat	5	0.49	18.87	2.1	97
3410	589532	5815600	198	992 m	MB/PF	Soil	Till	C	Brown	Flat	5	0.49	86.17	2.7	57
3411	589546	5815738	199	984 m	MB/PF	Soil	Till	C	Brown	Flat	20	0.66	60.87	2.8	69
3412	589624	5815950	200	983 m	MB/PF	Soil	Till	C	Brown	Flat	5	0.77	42.23	1.3	77
3413	589700	5816035	201	984 m	MB/PF	Soil	Till	C	Brown	Flat	6	2.64	67.89	4.1	105
3414	589682	5816118	202	985 m	MB/PF	Soil	Till	C	Brown	Flat	5	0.86	29.82	2.8	83
3415	589588	5816208	203	989 m	MB/PF	Soil	Till	C	Brown	Flat	5	0.51	38.3	10	40
3416	589598	5816325	204	997 m	MB/PF	Soil	Till	C	Brown	Flat	5	0.5	43.98	2.8	48

## APPENDIX II

## MIRACLE PROPERTY

## CERTIFICATES

<b>SAMPLE PREPARATION AND ANALYTICAL PROCEDURES</b>					
<b>Procedure Code</b>	<b>Number of Samples</b>	<b>Code Description</b>	<b>Test Wgt (g)</b>	<b>Report Status</b>	<b>Lab</b>
Dry at 60C	24	Dry at 60C			VAN
SS80	24	Dry at 60C sieve 100g to -80 mesh			VAN
SVRJT	24	Save all or part of Soil Reject			VAN
AQ250	24	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	0.5	Completed	VAN
DRPLP	24	Warehouse handling / disposition of pulps			VAN
DRRJT	24	Warehouse handling / Disposition of reject			VAN

<b>SAMPLE PREPARATION AND ANALYTICAL PROCEDURES</b>					
<b>Procedure Code</b>	<b>Number of Samples</b>	<b>Code Description</b>	<b>Test Wgt (g)</b>	<b>Report Status</b>	<b>Lab</b>
PRP70-250	4	Crush, split and pulverize 250 g rock to 200 mesh			VAN
AQ250	3	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	0.5	Completed	VAN
LF202	1	Total Whole Rock Characterization with AQ200	0.2	Completed	VAN
DRPLP	4	Warehouse handling / disposition of pulps			VAN
DRRJT	4	Warehouse handling / Disposition of reject			VAN



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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 BC V6B 4M9 CANADA

Submitted By: Lloyd Tattersall  
Receiving Lab: Canada-Vancouver  
Received: August 02, 2016  
Report Date: August 11, 2016  
Page: 1 of 3

# CERTIFICATE OF ANALYSIS

VAN16001284.1

## CLIENT JOB INFORMATION

Project: Miracle  
Shipment ID:  
P.O. Number  
Number of Samples: 50

## 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 BC V6B 4M9  
CANADA

CC: Peter Fox

## SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	50	Dry at 60C			VAN
SS80	50	Dry at 60C sieve 100g to -80 mesh			VAN
SVRJT	50	Save all or part of Soil Reject			VAN
AQ251	50	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	15	Completed	VAN
DRPLP	50	Warehouse handling / disposition of pulps			VAN
DRRJT	50	Warehouse handling / Disposition of reject			VAN

## ADDITIONAL COMMENTS



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.



Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA

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Client: **Eagle Peak Resources Inc.**

910 - 475 W. Georgia St.  
Vancouver BC V6B 4M9 CANADA

Project: Miracle

Report Date: August 11, 2016

Page: 2 of 3

Part: 1 of 2

# CERTIFICATE OF ANALYSIS

VAN16001284.1

3367	Soil	Method	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	2	0.01	0.001
3367	Soil		1.32	103.86	2.40	70.0	95	40.6	29.1	2132	5.97	36.1	0.8	2.7	0.5	139.3	0.13	5.81	0.06	147	9.70	0.012
3368	Soil		0.59	68.60	7.56	65.0	53	37.7	17.5	707	3.53	8.7	0.7	4.6	4.7	46.4	0.15	0.58	0.15	87	0.50	0.088
3369	Soil		0.76	38.51	6.38	65.2	112	26.2	15.5	643	3.06	6.0	0.5	3.8	2.2	35.9	0.25	0.60	0.13	84	0.45	0.095
3370	Soil		1.86	53.60	6.33	59.1	72	30.6	17.3	636	3.32	8.0	0.5	2.9	2.5	40.6	0.27	2.04	0.36	89	0.65	0.092
3371	Soil		2.05	60.91	6.67	64.8	79	33.8	17.3	688	3.17	8.2	0.5	3.1	2.4	47.3	0.30	1.77	0.31	84	0.77	0.107
3372	Soil		1.05	90.71	7.43	78.7	78	46.4	24.3	955	3.99	10.8	0.6	3.8	4.1	51.1	0.28	0.95	0.16	99	0.67	0.105
3373	Soil		2.94	52.43	6.46	71.8	93	33.3	15.6	662	3.14	7.1	0.7	2.7	3.2	49.2	0.21	0.91	0.19	83	0.52	0.087
3374	Soil		3.01	51.13	6.49	62.0	89	28.2	15.9	655	3.00	8.6	0.5	6.7	1.7	47.2	0.29	2.07	0.37	80	0.74	0.099
3375	Soil		0.53	21.97	4.98	57.5	80	19.9	8.6	270	2.21	5.3	0.5	1.2	2.0	28.0	0.24	0.35	0.08	60	0.28	0.065
3376	Soil		0.62	45.74	5.98	60.3	39	32.6	13.6	453	3.05	9.9	0.6	2.4	3.2	39.6	0.14	0.50	0.09	82	0.37	0.099
3377	Soil		1.51	58.14	5.79	60.7	120	33.3	19.0	821	3.29	7.6	0.5	3.3	2.0	44.6	0.25	1.21	0.18	94	0.70	0.083
3378	Soil		0.60	80.30	7.32	76.4	93	49.2	19.9	719	4.01	11.4	0.7	3.0	4.1	55.7	0.20	0.86	0.10	103	0.67	0.105
3379	Soil		0.75	27.56	5.20	52.8	116	22.9	12.2	520	2.53	5.0	0.5	1.2	1.9	30.1	0.22	0.62	0.10	70	0.39	0.066
3380	Soil		1.31	42.50	6.00	58.8	98	29.7	15.7	658	2.92	7.3	0.5	1.3	2.0	39.5	0.34	1.23	0.20	78	0.58	0.082
3381	Soil		1.48	42.44	6.08	59.8	103	31.4	16.9	637	2.97	7.4	0.7	3.1	2.3	42.2	0.29	1.55	0.23	80	0.66	0.071
3382	Soil		2.49	67.82	6.38	64.1	129	35.9	20.3	763	3.26	10.0	0.6	4.3	1.8	55.3	0.46	2.43	0.32	85	1.02	0.092
3383	Soil		1.55	85.91	6.28	58.4	107	33.0	20.8	849	3.44	9.0	0.5	5.5	1.8	69.8	0.27	1.32	0.18	96	1.44	0.095
3384	Soil		0.61	18.81	4.98	67.2	98	18.8	8.7	285	2.30	4.5	0.4	0.6	1.5	31.2	0.33	0.34	0.07	60	0.33	0.059
3385	Soil		1.09	65.88	5.98	61.7	92	31.4	17.8	770	3.10	7.0	0.5	9.1	1.9	44.0	0.24	0.90	0.11	86	0.76	0.098
3386	Soil		0.65	30.82	5.66	66.8	45	23.7	12.3	437	2.73	5.6	0.5	2.5	2.3	27.7	0.22	0.44	0.07	70	0.38	0.094
3387	Soil		0.68	85.70	5.99	80.3	82	37.2	23.3	944	3.48	7.7	0.5	4.3	2.3	55.9	0.48	0.53	0.08	96	0.96	0.099
3388	Soil		0.52	19.49	4.71	80.4	68	22.5	9.3	232	2.60	5.2	0.5	1.1	2.4	28.1	0.20	0.31	0.06	65	0.34	0.130
3389	Soil		0.57	30.80	5.20	51.2	118	24.2	11.7	428	2.45	6.1	0.5	1.6	2.4	32.0	0.16	0.40	0.08	62	0.40	0.072
3390	Soil		0.48	34.17	5.48	49.4	50	26.9	10.0	338	2.71	7.8	0.6	1.7	3.7	38.0	0.11	0.42	0.09	69	0.37	0.081
3391	Soil		1.80	61.67	9.68	79.6	76	40.0	18.0	641	3.41	16.4	0.6	2.9	4.1	71.4	0.39	1.04	0.13	78	1.83	0.090
3392	Soil		0.52	71.91	10.34	68.7	91	40.6	17.7	545	3.91	9.0	0.7	2.3	4.8	53.7	0.12	0.58	0.12	91	0.52	0.082
3393	Soil		0.64	43.89	5.79	90.9	252	21.3	13.6	1495	2.71	2.8	0.3	1.9	0.9	37.4	0.38	0.25	0.07	77	0.92	0.102
3394	Soil		2.05	65.97	7.38	58.2	111	33.0	16.4	788	3.18	9.5	0.7	4.1	3.6	54.2	0.22	1.18	0.27	80	0.75	0.094
3395	Soil		1.14	51.70	6.90	51.4	53	31.9	14.0	934	3.10	7.7	0.8	3.6	4.0	46.2	0.20	0.70	0.17	78	0.58	0.092
3396	Soil		2.21	62.14	6.48	63.5	101	31.2	16.6	738	3.02	10.4	0.6	4.9	2.5	61.7	0.24	1.62	0.33	81	1.27	0.098



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**Project:** Miracle  
**Report Date:** August 11, 2016

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# CERTIFICATE OF ANALYSIS

VAN16001284.1

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
3367	Soil	1.7	51.5	3.61	202.2	0.003	4	0.42	0.009	0.07	0.2	18.8	0.04	<0.02	1493	0.2	0.03	0.9
3368	Soil	17.4	69.4	0.88	116.4	0.088	4	1.78	0.010	0.14	<0.1	10.1	0.13	<0.02	66	0.4	0.02	5.2
3369	Soil	10.2	59.9	0.73	114.9	0.078	3	1.44	0.008	0.11	<0.1	5.1	0.07	<0.02	53	0.2	0.04	4.4
3370	Soil	11.0	68.6	0.80	193.8	0.080	4	1.39	0.010	0.15	0.1	7.6	0.10	<0.02	62	0.2	0.07	4.1
3371	Soil	11.5	64.0	0.82	181.6	0.071	4	1.42	0.011	0.17	0.1	7.8	0.11	0.02	72	0.3	0.07	4.1
3372	Soil	14.8	67.4	1.13	164.8	0.077	5	1.83	0.012	0.17	0.1	12.7	0.15	<0.02	87	0.2	0.05	5.5
3373	Soil	14.0	71.8	0.79	133.7	0.075	4	1.67	0.009	0.14	<0.1	7.9	0.10	<0.02	69	0.2	0.04	4.9
3374	Soil	9.7	60.1	0.74	178.8	0.066	4	1.30	0.010	0.16	0.2	5.8	0.09	0.03	69	0.2	0.06	3.6
3375	Soil	12.1	50.1	0.42	79.5	0.057	3	1.09	0.006	0.10	<0.1	3.4	0.06	<0.02	28	0.1	<0.02	3.7
3376	Soil	12.7	73.3	0.68	95.3	0.071	3	1.67	0.008	0.11	<0.1	5.7	0.10	<0.02	31	0.2	0.03	4.7
3377	Soil	10.1	80.5	0.87	143.2	0.078	4	1.43	0.010	0.16	0.2	7.1	0.08	<0.02	55	0.3	0.06	4.3
3378	Soil	17.1	97.0	0.98	135.6	0.064	5	1.93	0.012	0.14	<0.1	13.3	0.15	<0.02	81	0.3	0.04	5.2
3379	Soil	10.6	59.6	0.55	92.0	0.062	3	1.10	0.009	0.09	0.1	3.7	0.07	<0.02	38	0.1	0.03	3.7
3380	Soil	10.6	69.1	0.72	130.8	0.066	6	1.29	0.009	0.15	0.1	6.0	0.07	0.02	45	0.4	<0.02	4.0
3381	Soil	12.2	72.2	0.68	159.5	0.068	4	1.28	0.010	0.10	0.2	6.1	0.09	<0.02	78	0.4	0.05	4.0
3382	Soil	11.5	63.8	0.89	191.3	0.067	5	1.43	0.012	0.19	0.2	8.6	0.10	0.03	85	0.3	0.07	4.3
3383	Soil	9.9	74.0	1.15	137.5	0.089	4	1.44	0.031	0.19	0.2	8.8	0.08	0.02	79	0.3	0.06	4.3
3384	Soil	10.7	45.1	0.43	71.5	0.061	3	1.06	0.006	0.09	<0.1	2.4	0.05	<0.02	27	0.1	<0.02	3.8
3385	Soil	9.5	64.0	1.12	124.8	0.092	3	1.46	0.014	0.21	0.2	6.7	0.08	0.02	38	0.1	0.04	4.5
3386	Soil	11.8	49.9	0.58	80.8	0.073	3	1.27	0.008	0.09	<0.1	4.1	0.07	<0.02	30	0.2	0.03	4.1
3387	Soil	11.3	63.8	1.42	120.9	0.096	4	1.84	0.009	0.24	<0.1	9.0	0.10	0.02	51	0.4	0.04	5.3
3388	Soil	11.5	48.5	0.47	89.4	0.061	3	1.34	0.006	0.11	<0.1	2.7	0.06	<0.02	21	<0.1	0.03	4.0
3389	Soil	11.6	50.1	0.56	88.8	0.069	2	1.28	0.007	0.11	<0.1	4.5	0.07	<0.02	38	0.2	<0.02	3.8
3390	Soil	16.1	57.4	0.58	79.7	0.082	3	1.23	0.009	0.11	<0.1	5.4	0.09	<0.02	36	0.1	0.02	4.0
3391	Soil	14.9	56.4	0.80	125.0	0.074	3	1.58	0.016	0.11	<0.1	7.3	0.12	<0.02	47	<0.1	<0.02	4.5
3392	Soil	20.7	75.1	0.93	118.0	0.084	4	1.99	0.011	0.13	<0.1	11.6	0.13	<0.02	81	0.2	0.02	5.5
3393	Soil	5.3	66.2	0.55	139.0	0.082	4	1.23	0.006	0.06	<0.1	3.2	0.05	0.03	80	0.1	<0.02	4.7
3394	Soil	15.3	50.8	0.80	152.5	0.085	4	1.55	0.013	0.16	0.2	7.2	0.10	<0.02	83	0.2	0.04	4.5
3395	Soil	16.3	53.2	0.69	119.1	0.087	2	1.49	0.012	0.14	0.1	6.8	0.09	<0.02	66	0.3	0.03	4.6
3396	Soil	12.3	48.3	0.84	190.4	0.075	3	1.35	0.018	0.21	0.2	7.3	0.11	0.03	147	0.2	0.04	4.0

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



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Bureau Veritas Commodities Canada Ltd.

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PHONE (604) 253-3158

Client: **Eagle Peak Resources Inc.**

910 - 475 W. Georgia St.

Vancouver BC V6B 4M9 CANADA

Project: Miracle

Report Date: August 11, 2016

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Part: 1 of 2

# CERTIFICATE OF ANALYSIS

VAN16001284.1

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
Unit		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	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	2	0.01	0.001
3397	Soil	1.02	58.11	9.25	63.9	129	41.1	16.1	487	3.43	7.0	1.7	2.5	5.3	54.8	0.20	0.50	0.21	73	0.60	0.067
3398	Soil	3.28	70.57	7.68	54.4	126	33.2	17.9	643	3.32	15.5	0.6	6.6	2.9	50.8	0.27	1.72	0.40	85	0.81	0.108
3399	Soil	2.94	66.22	7.26	58.3	109	32.6	14.9	485	3.06	10.4	0.6	7.6	3.2	46.5	0.19	1.73	0.36	77	0.70	0.099
3400	Soil	3.50	59.42	7.11	55.3	101	33.3	15.1	585	2.91	11.7	0.6	5.5	3.1	54.9	0.21	2.27	0.49	71	0.92	0.103
3401	Soil	2.50	56.15	7.86	56.8	90	34.3	15.8	553	3.10	11.8	0.7	5.2	3.9	46.8	0.19	1.75	0.36	74	0.66	0.090
3402	Soil	0.87	35.79	6.70	52.5	40	25.0	10.8	406	2.57	8.9	0.7	2.9	3.5	41.6	0.20	0.58	0.15	62	0.47	0.080
3403	Soil	10.02	105.16	8.34	76.3	218	66.6	21.8	971	4.18	26.8	0.5	25.2	1.6	108.0	0.39	12.79	2.93	90	3.55	0.121
3404	Soil	4.90	83.15	6.61	52.5	148	28.1	14.4	595	3.24	9.1	0.5	12.8	2.1	53.8	0.26	2.43	0.54	94	0.89	0.121
3405	Soil	0.55	33.76	5.54	65.2	193	25.1	10.1	324	2.44	5.0	0.7	1.7	1.8	31.0	0.19	0.31	0.14	61	0.32	0.081
3406	Soil	0.47	19.62	4.88	42.1	129	12.1	6.4	224	1.72	2.4	0.4	32.5	1.3	26.4	0.21	0.31	0.11	47	0.30	0.050
3407	Soil	2.27	83.39	7.85	67.5	117	36.2	20.0	738	3.84	10.3	0.6	3.3	3.4	55.4	0.17	1.41	0.35	103	0.81	0.103
3408	Soil	0.54	28.27	4.72	62.2	73	28.3	12.4	345	3.03	5.9	0.5	0.7	2.8	27.4	0.16	0.39	0.09	82	0.30	0.098
3409	Soil	0.49	18.87	4.19	83.1	97	22.2	10.5	222	2.68	4.8	0.4	2.1	2.2	20.4	0.26	0.33	0.07	76	0.21	0.074
3410	Soil	0.49	86.17	7.05	71.2	57	44.9	21.3	914	4.05	10.4	0.6	2.7	4.4	54.1	0.18	0.55	0.12	110	0.65	0.100
3411	Soil	0.66	60.87	7.15	69.4	69	40.4	17.6	664	3.56	9.9	0.6	2.8	4.4	61.3	0.28	0.63	0.14	92	0.96	0.098
3412	Soil	0.77	42.23	6.20	61.1	77	34.0	14.7	615	3.31	7.3	0.6	1.3	3.1	41.7	0.21	0.58	0.12	87	0.49	0.085
3413	Soil	2.64	67.89	6.47	61.9	105	34.9	17.0	638	3.36	9.9	0.5	4.1	2.9	71.8	0.28	1.72	0.31	92	1.34	0.107
3414	Soil	0.86	29.82	6.36	61.6	83	25.7	13.0	538	2.82	5.3	0.6	2.8	1.8	38.3	0.27	0.65	0.13	75	0.39	0.068
3415	Soil	0.51	38.30	6.32	51.0	40	29.2	12.4	469	3.01	7.1	0.7	10.0	4.0	39.3	0.13	0.47	0.11	76	0.40	0.086
3416	Soil	0.50	43.98	5.95	52.8	48	34.0	13.1	476	3.11	7.9	0.6	2.8	3.8	39.8	0.15	0.48	0.10	82	0.45	0.086



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Project: Miracle

Report Date: August 11, 2016

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# CERTIFICATE OF ANALYSIS

VAN16001284.1

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
3397	Soil	20.2	60.6	1.01	142.0	0.096	4	2.11	0.031	0.15	<0.1	6.7	0.11	<0.02	52	0.4	0.02	5.8
3398	Soil	12.8	55.1	0.83	165.8	0.085	3	1.40	0.023	0.19	0.2	6.3	0.12	0.02	66	0.3	0.09	4.4
3399	Soil	14.3	50.6	0.79	154.4	0.087	3	1.44	0.018	0.18	0.3	6.4	0.12	<0.02	88	0.3	0.08	4.4
3400	Soil	13.7	50.5	0.72	216.0	0.075	3	1.29	0.016	0.16	0.4	6.1	0.11	0.02	72	0.3	0.06	3.9
3401	Soil	15.9	51.1	0.72	203.9	0.073	3	1.51	0.011	0.17	0.2	6.8	0.13	<0.02	83	0.3	0.05	4.2
3402	Soil	15.4	46.1	0.60	111.9	0.063	3	1.36	0.007	0.15	0.1	5.4	0.10	<0.02	35	0.1	0.02	4.1
3403	Soil	8.4	79.6	1.32	680.2	0.050	4	1.55	0.011	0.33	0.4	10.8	0.31	0.05	243	0.4	0.66	4.0
3404	Soil	9.9	50.8	0.82	141.0	0.088	5	1.17	0.027	0.24	0.3	6.1	0.12	0.03	90	0.2	0.10	3.9
3405	Soil	14.4	47.5	0.63	87.9	0.060	2	1.85	0.007	0.12	<0.1	4.3	0.10	<0.02	44	0.2	<0.02	5.1
3406	Soil	10.4	29.7	0.38	57.1	0.064	3	0.95	0.005	0.07	<0.1	2.5	0.05	<0.02	24	<0.1	<0.02	3.5
3407	Soil	13.3	62.3	1.06	169.3	0.109	4	1.91	0.014	0.21	0.2	8.2	0.15	<0.02	71	0.2	0.05	5.2
3408	Soil	11.8	66.3	0.62	84.3	0.080	3	1.50	0.007	0.10	<0.1	3.7	0.06	<0.02	32	<0.1	<0.02	4.2
3409	Soil	9.2	63.2	0.46	79.0	0.071	2	1.26	0.006	0.06	<0.1	2.6	0.04	<0.02	26	<0.1	<0.02	3.8
3410	Soil	16.0	80.3	1.12	131.3	0.094	4	1.97	0.012	0.17	<0.1	12.2	0.13	<0.02	70	0.2	0.03	5.9
3411	Soil	16.1	76.8	0.86	130.1	0.084	5	1.74	0.013	0.17	<0.1	9.2	0.13	<0.02	57	<0.1	0.04	4.9
3412	Soil	13.5	76.0	0.75	108.8	0.078	3	1.66	0.009	0.12	0.1	5.6	0.08	<0.02	39	0.3	0.02	4.6
3413	Soil	12.9	68.2	0.88	161.2	0.083	4	1.35	0.021	0.19	0.2	7.8	0.11	<0.02	73	0.2	0.07	4.2
3414	Soil	15.0	62.7	0.57	99.2	0.068	3	1.32	0.008	0.09	<0.1	4.4	0.08	<0.02	37	<0.1	0.02	4.5
3415	Soil	16.9	59.5	0.68	86.4	0.084	2	1.51	0.008	0.11	<0.1	4.9	0.08	<0.02	30	<0.1	<0.02	4.6
3416	Soil	15.7	66.7	0.71	93.3	0.079	2	1.49	0.008	0.12	<0.1	7.2	0.09	<0.02	89	0.1	<0.02	4.4



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Vancouver BC V6B 4M9 CANADA

**Project:** Miracle  
**Report Date:** August 11, 2016

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Part: 1 of 2

# QUALITY CONTROL REPORT

VAN16001284.1

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
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	2	0.01	0.001
Pulp Duplicates																					
3392	Soil	0.52	71.91	10.34	68.7	91	40.6	17.7	545	3.91	9.0	0.7	2.3	4.8	53.7	0.12	0.58	0.12	91	0.52	0.082
REP 3392	QC	0.53	74.37	10.77	67.5	92	42.5	18.2	567	3.91	9.1	0.8	5.7	5.1	55.7	0.11	0.60	0.13	92	0.53	0.079
Reference Materials																					
STD DS10	Standard	15.18	157.42	149.25	375.6	1928	74.4	13.2	858	2.73	44.6	3.0	78.3	8.1	71.9	2.61	9.56	13.29	44	1.09	0.081
STD DS10	Standard	14.99	158.21	153.50	363.8	1915	76.8	13.4	906	2.76	45.8	3.0	70.1	8.5	76.3	2.71	9.95	13.59	45	1.10	0.078
STD OXC129	Standard	1.21	28.08	6.51	38.9	19	77.3	21.1	408	2.95	0.4	0.7	193.9	1.8	178.6	0.04	0.04	<0.02	51	0.68	0.095
STD OXC129	Standard	1.34	28.96	7.03	42.2	16	83.8	21.7	431	3.03	0.8	0.8	208.2	2.0	203.6	0.05	0.04	<0.02	54	0.76	0.108
STD DS10 Expected		15.1	154.61	150.55	370	2020	74.6	12.9	875	2.7188	46.2	2.59	91.9	7.5	67.1	2.62	9	11.65	43	1.0625	0.0765
STD OXC129 Expected		1.3	28	6.3	42.9	28	79.5	20.3	421	3.065	0.6	0.72	195	1.9		0.03	0.04		51	0.665	0.102
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	<2	<0.01	<0.001
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	<2	<0.01	<0.001



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Vancouver BC V6B 4M9 CANADA

Project: Miracle  
Report Date: August 11, 2016

Page: 1 of 1

Part: 2 of 2

# QUALITY CONTROL REPORT

VAN16001284.1

Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	
Analyte	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																		
3392	Soil	20.7	75.1	0.93	118.0	0.084	4	1.99	0.011	0.13	<0.1	11.6	0.13	<0.02	81	0.2	0.02	5.5
REP 3392	QC	21.2	78.2	0.93	126.4	0.088	3	1.98	0.011	0.13	<0.1	11.0	0.14	<0.02	99	0.2	<0.02	5.7
Reference Materials																		
STD DS10	Standard	19.5	56.1	0.78	342.2	0.090	7	1.07	0.071	0.33	3.1	3.0	5.28	0.29	290	2.4	4.82	4.4
STD DS10	Standard	21.0	57.5	0.78	361.4	0.093	8	1.10	0.073	0.34	3.5	3.1	5.24	0.28	284	2.5	4.92	4.5
STD OXC129	Standard	12.9	50.3	1.57	48.5	0.413	<1	1.61	0.606	0.37	<0.1	0.9	0.03	<0.02	<5	<0.1	<0.02	5.5
STD OXC129	Standard	14.1	55.9	1.53	52.0	0.446	2	1.67	0.610	0.37	<0.1	0.8	0.03	<0.02	11	<0.1	<0.02	5.9
STD DS10 Expected		17.5	54.6	0.775	359	0.0817		1.0755	0.067	0.338	3.32	3	5.1	0.29	300	2.3	5.01	4.5
STD OXC129 Expected		13	52	1.545	50	0.4	1	1.58	0.6	0.37	0.08	1.1	0.03					5.6
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	9	<0.1	<0.02	<0.1



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**Client:** **Eagle Peak Resources Inc.**  
910 - 475 W. Georgia St.  
Vancouver BC V6B 4M9 CANADA

Submitted By: Lloyd Tattersall  
Receiving Lab: Canada-Vancouver  
Received: August 02, 2016  
Report Date: August 11, 2016  
Page: 1 of 2

# CERTIFICATE OF ANALYSIS

VAN16001285.1

## CLIENT JOB INFORMATION

Project: Miracle  
Shipment ID:  
P.O. Number  
Number of Samples: 1

## 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 BC V6B 4M9  
CANADA

CC: Peter Fox

## SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	1	Crush, split and pulverize 250 g rock to 200 mesh			VAN
LF302-EXT	1	LiBO2/LiB4O7 fusion ICP-ES analysis	0.2	Completed	VAN
DRPLP	1	Warehouse handling / disposition of pulps			VAN
DRRJT	1	Warehouse handling / Disposition of reject			VAN

## ADDITIONAL COMMENTS



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: August 11, 2016

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Part: 1 of 2

# CERTIFICATE OF ANALYSIS

**VAN16001285.1**

Method	WGHT	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300
Analyte	Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce	
Unit	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30	
3417	Rock	0.31	53.12	20.00	6.92	1.80	5.81	4.39	3.96	0.60	0.54	0.13	<0.002	146	1050	71	<20	<20	1304	67	<30



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## CERTIFICATE OF ANALYSIS

VAN16001285.1

Method	LF300	LF300	LF300	LF300	LF300	TC000	TC000	
Analyte	Y	Nb	Sc	LOI	Sum	TOT/C	TOT/S	
Unit	ppm	ppm	ppm	%	%	%	%	
MDL	3	5	1	-5.1	0.01	0.02	0.02	
3417	Rock	16	<5	7	2.4	99.96	0.08	<0.02



# QUALITY CONTROL REPORT

VAN16001285.1

Method	WGHT	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300
Analyte	Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce	
Unit	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30	
Pulp Duplicates																					
3417	Rock	0.31	53.12	20.00	6.92	1.80	5.81	4.39	3.96	0.60	0.54	0.13	<0.002	146	1050	71	<20	<20	1304	67	<30
REP 3417	QC																				
Reference Materials																					
STD GS311-1	Standard																				
STD GS910-4	Standard																				
STD SO-19	Standard		60.58	13.86	7.48	2.95	5.92	4.03	1.30	0.70	0.31	0.13	0.496	61	475	76	470	23	318	118	157
STD SO-19	Standard		60.73	13.86	7.41	2.90	5.92	4.02	1.29	0.70	0.31	0.13	0.488	62	470	76	460	21	315	117	150
STD GS311-1 Expected																					
STD GS910-4 Expected																					
STD SO-19 Expected			61.13	13.95	7.47	2.88	6	4.11	1.29	0.69	0.32	0.13	0.5	69	486	75	470	24	317.1	112	161
BLK	Blank																				
BLK	Blank		<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<5	<5	<5	<20	<20	<2	<5	<30
Prep Wash																					
ROCK-VAN	Prep Blank		70.97	14.12	3.25	0.91	2.26	4.42	2.15	0.37	0.09	0.09	<0.002	<5	822	34	<20	<20	204	134	<30



Bureau Veritas Commodities Canada Ltd.  
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
PHONE (604) 253-3158

**Client:** **Eagle Peak Resources Inc.**  
910 - 475 W. Georgia St.  
Vancouver BC V6B 4M9 CANADA

Project: Miracle  
Report Date: August 11, 2016

Page: 1 of 1

Part: 2 of 2

# QUALITY CONTROL REPORT

VAN16001285.1

Method	LF300	LF300	LF300	LF300	LF300	TC000	TC000
Analyte	Y	Nb	Sc	LOI	Sum	TOT/C	TOT/S
Unit	ppm	ppm	ppm	%	%	%	%
MDL	3	5	1	-5.1	0.01	0.02	0.02
Pulp Duplicates							
3417	Rock	16	<5	7	2.4	99.96	0.08 <0.02
REP 3417	QC						0.08 <0.02
Reference Materials							
STD GS311-1	Standard						0.98 2.40
STD GS910-4	Standard						2.62 8.39
STD SO-19	Standard	35	74	27	1.9	99.93	
STD SO-19	Standard	35	69	27	1.9	99.93	
STD GS311-1 Expected							1.02 2.35
STD GS910-4 Expected							2.65 8.27
STD SO-19 Expected		35.5	68.5	27			
BLK	Blank						<0.02 <0.02
BLK	Blank	<3	<5	<1	0.0	<0.01	
Prep Wash							
ROCK-VAN	Prep Blank	19	<5	7	1.2	100.00	0.05 <0.02

## APPENDIX III

## WHOLE ROCK ANALYSIS SAMPLE 3417

BUREAU VERITAS

Acme laboratories

Total whole rock with LF 302-EXT



Hornblende diorite 3417. See text for description

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES					
Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	1	Crush, split and pulverize 250 g rock to 200 mesh			VAN
LF302-EXT	1	LiBO2/LiB4O7 fusion ICP-ES analysis	0.2	Completed	VAN
DRPLP	1	Warehouse handling / disposition of pulps			VAN
DRRJT	1	Warehouse handling / Disposition of reject			VAN
ADDITIONAL COMMENTS					

(Norm calculation after K. Hollacher, 2014, Geology Department Union College, Schenectady NY)

<https://www.whitman.edu/geology/winter/.../CIPW%20Norm%20Hollacher.xls>

Bureau Veritas Commodities Canada Ltd.

Final Report

Client: Eagle Peak Resources Inc.  
 File Created: 11-Aug-16  
 Job Number: VAN16001285  
 Number of Samples: 1  
 Project: Miracle  
 Shipment ID:  
 P.O. Number:  
 Received: 02-Aug-16

	Method	WGHT	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300
	Analyte	Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5
	Unit	KG	%	%	%	%	%	%	%	%	%
	MDL	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01
Sample	Type										
<b>3417</b>	<b>Rock</b>	<b>0.31</b>	<b>53.12</b>	<b>20</b>	<b>6.92</b>	<b>1.8</b>	<b>5.81</b>	<b>4.39</b>	<b>3.96</b>	<b>0.6</b>	<b>0.54</b>
Pulp Duplicates											
3417	Rock	0.31	53.12	20	6.92	1.8	5.81	4.39	3.96	0.6	0.54
3417	REP										
Reference Materials											
STD GS311-1	STD										
STD GS910-4	STD										
STD SO-19	STD		60.58	13.86	7.48	2.95	5.92	4.03	1.3	0.7	0.31
STD SO-19	STD		60.73	13.86	7.41	2.9	5.92	4.02	1.29	0.7	0.31
BLK	BLK										
BLK	BLK		<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Prep Wash											
ROCK-VAN	Prep Blank		70.97	14.12	3.25	0.91	2.26	4.42	2.15	0.37	0.09

<b>NORM Cculation:</b>	SiO2	53.12		plagioclase	56.5
	TiO2	0.6		orthoclase	24.3
	Al2O3	20		nepheline	1.73
	Fe2O3	6.92		dipside	2.47
	MnO	0.13		olivine	6.61
	MgO	1.8		ilmenite	1.14
	Cao	5.81		magnetite	3.07
	Na2O	4.39		apatite	1.25
	K2O	3.96			
	P2O5	0.54			
	Sr	1304			
	Ba	1050			
	LOI	2.4			

LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	TC000	TC000
MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce	Y	Nb	Sc	LOI	Sum	TOT/C	TOT/S
%	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	%	%
0.01	0.002	5	5	5	20	20	2	5	30	3	5	1	-5.1	0.01	0.02	0.02
<b>0.13</b>	<b>&lt;0.002</b>	<b>146</b>	<b>1050</b>	<b>71</b>	<b>&lt;20</b>	<b>&lt;20</b>	<b>1304</b>	<b>67</b>	<b>&lt;30</b>	<b>16</b>	<b>&lt;5</b>	<b>7</b>	<b>2.4</b>	<b>99.96</b>	<b>0.08</b>	<b>&lt;0.02</b>
0.13	<0.002	146	1050	71	<20	<20	1304	67	<30	16	<5	7	2.4	99.96	0.08	<0.02
															0.08	<0.02
															0.98	2.4
															2.62	8.39
0.13	0.496	61	475	76	470	23	318	118	157	35	74	27	1.9	99.93		
0.13	0.488	62	470	76	460	21	315	117	150	35	69	27	1.9	99.93		
															<0.02	<0.02
<0.01	<0.002	<5	<5	<5	<20	<20	<2	<5	<30	<3	<5	<1	0	<0.01		
0.09	<0.002	<5	822	34	<20	<20	204	134	<30	19	<5	7	1.2	100	0.05	<0.02