



## ASSESSMENT REPORT TITLE PAGE AND SUMMARY

**TITLE OF REPORT: Geological and Geochemical Report Miracle Property**

**TOTAL COST:\$14,339**

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

SIGNATURE(S):

A handwritten signature in black ink, appearing to be "P. E. Fox".

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S):  
STATEMENT OF WORK EVENT NUMBER(S)/DATE(S): 5552046, April 21 2015

YEAR OF WORK: 2015

PROPERTY NAME: Miracle

CLAIM NAME(S) (on which work was done):

508064,508179

COMMODITIES SOUGHT: Copper Molybdenum silver 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)

UTM Zone: 10 EASTING: 585821 NORTHING: 5817001

OWNER(S):

Eagle Peak Resources

MAILING ADDRESS:

910-475 West Georgia St, Vancouver, BC

OPERATOR(S) [who paid for the work]: Eagle Peak Resources

MAILING ADDRESS:

910-475 West Georgia St vancouver BC

REPORT KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude. **Do not use abbreviations or codes**)

Upper Triassic Quesnellia Molybdenum Copper gold carbonate alteration

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS:

Fox PE 2009 Geochemical Report Aris 31168, Fox PE 2010 Diamond Drilling Report Aris 31797, Fox PE Geochemical report Aris 33985, Hodgson 1970 Report on the Gavin Lake C-Mo Property. Aris report 2733

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (in metric units)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
GEOLOGICAL (scale, area)	1:20000	508072, 508061	10,200
Ground, mapping			
Photo interpretation			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for ...)			
Soil	24                      36 Elements Acme    AQ250	508064    508179	14,207
Silt			
Rock	4                      36 element AQ250	508179	132
Other			
DRILLING (total metres, number of holes, size, storage location)			
Core			
Non-core			
RELATED TECHNICAL			
Sampling / Assaying			
Petrographic			
Mineralographic			
Metallurgic			
PROSPECTING (scale/area)			
PREPATORY / PHYSICAL			
Line/grid (km)			
Topo/Photogrammetric (scale, area)			
Legal Surveys (scale, area)			
Road, local access (km)/trail			
Trench (number/metres)			
Underground development (metres)			
Other			
		<b>TOTAL COST</b>	\$ 14,339

BC Geological Survey  
Assessment Report  
35395

ASSESSMENT REPORT

GEOLOGICAL, 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.

May 5, 2015

**Event No.5552046**

Revised November 9, 2015

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## **SUMMARY**

This report documents work done by Eagle Peak Resources Inc in 2015 on the Miracle prospect, part of the large Miocene claim block. Work comprised geological mapping and soil sampling on the Miracle prospect west of Gavin Lake, British Columbia.

The Miracle soil sampling program comprised 24 soil samples collected at 150m intervals on the Gavin Lake road, four rock samples and geological mapping covering the same general area. Copper contents of the Miracle soils range from 30 to 131 ppm. Average copper content is 70 ppm. Molybdenum contents range from 0.9 to 6 ppm and average 3 ppm. Both Mo and Cu are at regional background levels. Rock samples taken from an iron carbonate alteration zone exposed on the Gavin road returned low concentrations of Au and Ag. One rock sample of the Gavin stock was submitted for whole rock analysis, indicating that the Gavin stock is a peraluminous granite (not quartz monzonite has previously reported).

The purpose of the geochemical survey was to follow up copper anomalies identified in this area by previous workers. Expenditures total \$14,339.

## **INTRODUCTION**

This report documents work done by Eagle Peak Resources Inc in 2015 on the Miracle prospect area, part of a large claim block collectively known as the Miocene project. Work comprised geological mapping and soil sampling to test previous work. Results of the program are detailed herein and recommendations made for continuing work. Expenditures total \$14,339. 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 Miracle prospect lies 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 region of the Interior Plateau which is characterized by numerous lakes, broad valleys and low rolling hills and rocky escarpments. Local vegetation consists of pine, spruce, birch, alder and poplar interspersed with meandering streams, shallow lakes, grasslands and boggy wetlands. Glacial till, often thick, predominates and outcropping bedrock, generally Roche moutonee and rocky rubble, is rare.

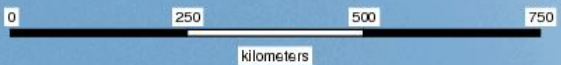
## **CLAIMS**

The Property consists of 29 mineral tenures covering an area of 12,224 hectares (Figure 2, Table 1). Expiry dates assume the work documented herein is accepted for assessment requirements. Work was filed on April 21, 2015 under event # 5552046. Work was completed between April 13, 2015 and April 18, 2015 under Mine Permit MX-10-211 and was ongoing throughout that period.



FIGURE 1  
LOCATION MAP

NORTH PACIFIC  
OCEAN





## 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 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.

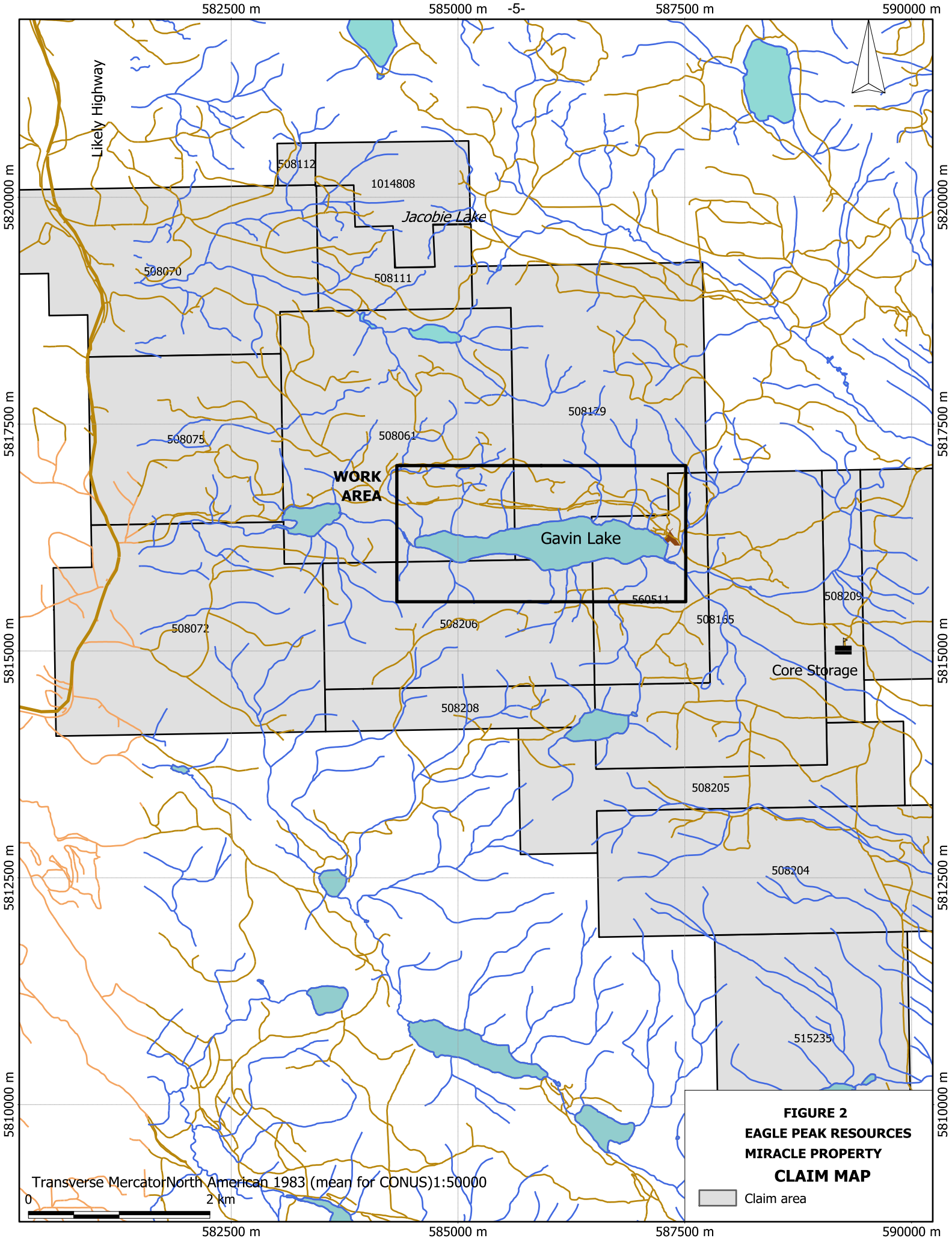
**TABLE 1 CLAIM LIST** (date of filing)

Title Number	Claim Name/Property	Good To Date	Area in Ha	Title Number	Claim Name/Property	Good To Date	Area in Ha
508061		2015/JUL/30	708.48	518120	VEITH 15	2015/apr/30	493.98
508070		2015/JUL/30	550.81	518122	VEITH 16	2015/apr/30	493.88
508072		2015/JUL/30	649.79	518126	VEITH 18	2015/apr/30	493.72
508075		2015/JUL/30	393.61	518128	VEITH 19	2015/apr/30	493.64
508111	MIRACLE 9	2015/JUL/30	157.38	518129	VEITH 20	2015/apr/30	454.11
508112	MIRACLE 10	2015/JUL/30	19.67	518840	PEAKS 2	2015/SEP/15	454.94
508179		2015/JUL/30	629.71	518859	VEITH 25	2015/apr/30	494.20
508204		2015/JUL/30	590.97	519169	VEITH 28	2015/SEP/15	494.57
508205		2015/JUL/30	315.12	519269	GOLD G	2015/apr/30	473.18
508206	MIRACLE 11	2015/JUL/30	413.46	524859	VEITH 34	2015/apr/30	473.74
508208	MIRACLE 12	2015/JUL/30	137.85	539180	CREAM 1	2015/JUL/30	492.16
508209	MIRACLE 13	2015/JUL/30	118.12	539181	CREAM 2	2015/JUL/30	157.50
515235	GOLD B	2015/apr/30	492.66	508165		2015/JUL/30	531.60
515606	PEAKS	2015/SEP/15	296.71	560511	MIRACLE 14	2015/JUL/30	255.93
516428	VEITH 5	2015/apr/30	493.32				

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 main showings in 1979. More recently, a compilation report on the property was completed by Wallis in 1995 (Wallis, 1995). Eagle Peak Resources completed geochemical sampling (347 samples) north of the Miracle vein prospect in 2009 and 981 m of diamond drilling (nine holes) in 2010 to follow up geochemical results and to test the Miracle vein at depth. A geochemical survey was completed in 2013 northwest of Gavin Lake.

## **REGIONAL GEOLOGY**

The Miocene claim group (Figure 3) lies along the Central Quesnel Terrane, a complex continent-margin basin forming a regional synclinal structure west of the North American plate during the Triassic-Jurassic (Panteleyev, 1996). Oldest strata 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 Lower Jurassic felsic breccia. 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.



582500 m

585000 m

587500 m

590000 m

5820000 m

5820000 m

5817500 m

5817500 m

5815000 m

5815000 m

5812500 m

5812500 m

5810000 m

5810000 m

582500 m

585000 m

587500 m

590000 m

-5-

Likely Highway

508112

1014808

Jacobie Lake

508070

508111

508075

508061

508179

**WORK  
AREA**

Gavin Lake

508072

508206

560511

508209

Core Storage

508208

508165

508205

508204

515235

Transverse Mercator North American 1983 (mean for CONUS) 1:50000



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

Claim area

## GEOLOGY

Local geology is given in Figure 4 in part compiled from Hodgson (1970) and Fox (2013). North 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 (Gavin Intrusions). Copper and molybdenite showings in these rocks attracted attention to the claim area originally as a porphyry target. South of Gavin Lake, mapping in 2013 discovered previously unexposed strata of basaltic rocks and overlying felsic units comprising massive felsic breccia and felsic tuffs and grey and maroon sediments (Figure 4; units 2c and 3a of Bailey, 1990, 1997). These strata dip east at 45°. The rock succession here comprises an east-dipping assemblage of Upper Triassic and Lower Jurassic rocks seen elsewhere in the Mount Polley and Morehead Lake areas (Bailey, 1990)..

The provenance of felsic volcanism and deposition of aqueous tuffs and sediments following deposition of Norian limestone and black siltstone units is unknown but may be related to renewed volcanism in earliest Jurassic. An easterly fault along Gavin Lake seems to offset local stratigraphy (Figure 4) although the exact relation to the basalt-felsic units northeast of Gavin Lake is not clear.

## MINERALIZATION

The Miracle epithermal vein north of Gavin Lake occurs within the basalt unit and local tuff and thin siltstone interbeds along the sheared contact of a north-striking body of porphyritic granite. The veins form a complex zone of stockwork and massive quartz veins several metres thick and is 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. Silicification, clay and iron carbonate alteration of the host rocks are common. Drusy vugs often contain lamellar calcite.



K altered rocks north Gavin Lake

Elsewhere quartz-iron carbonate zones are common throughout the region and well exposed along the Gavin road road. Volcanic units are often pyritic and locally hornfelsed. They often 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. Minor amounts of disseminated chalcopyrite were noted in 2013 in Lower Jurassic tuffs and breccia exposed on the Shelterwood road south of Little Lake.



Quartz-carbonate alteration zone, Gavin Lake Road

## WORK PROGRAM

The 2015 soil sampling program comprised 24 soil samples collected from glacial tills at 150m intervals along the Gavin Lake road, collection of four rock samples, and geological mapping. The purpose of the sampling work was to test geochemical results from prior work programs conducted in the area in 1974 and 1984 (Westervelt 1974, Carter and Barclay 1984) and compiled by Wallis (1995) and Fox (2013). Sample numbers are given in Figure 5 along with copper 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 material close to bedrock. Tills are generally clay-rich and thin, less than a metre thick. Sample depths were recorded at each site, usually 5 cm, and are tabulated in Appendix I. Samples were submitted to Acme Laboratories in Vancouver, BC. Analytical methods used were code AQ250 1:1:1 aqua regia digestion ultratrace ICP-MS (36 elements) using the -80mesh fraction of dried soil material (0.5gm aliquot). Detection limits for copper and molybdenum are 0.1 ppm. Rock analyses were done by Acme Labs using aqua regia digestion ultratrace ICP-MS (36 elements) and reported in Appendix II. One sample (3229) of a weakly mineralized quartz porphyry dike was submitted for whole rock and geochemical analysis (Appendix II and III).

Geological mapping (Figure 4) covered an area north of Gavin Lake in part along the Gavin Lake road where new bedrock exposures have resulted from local road

improvement work. Here quartz-iron carbonate stockwork is exposed over eight metres and was sampled during the current program (samples 3230, 3231 and 3232),

## **RESULTS**

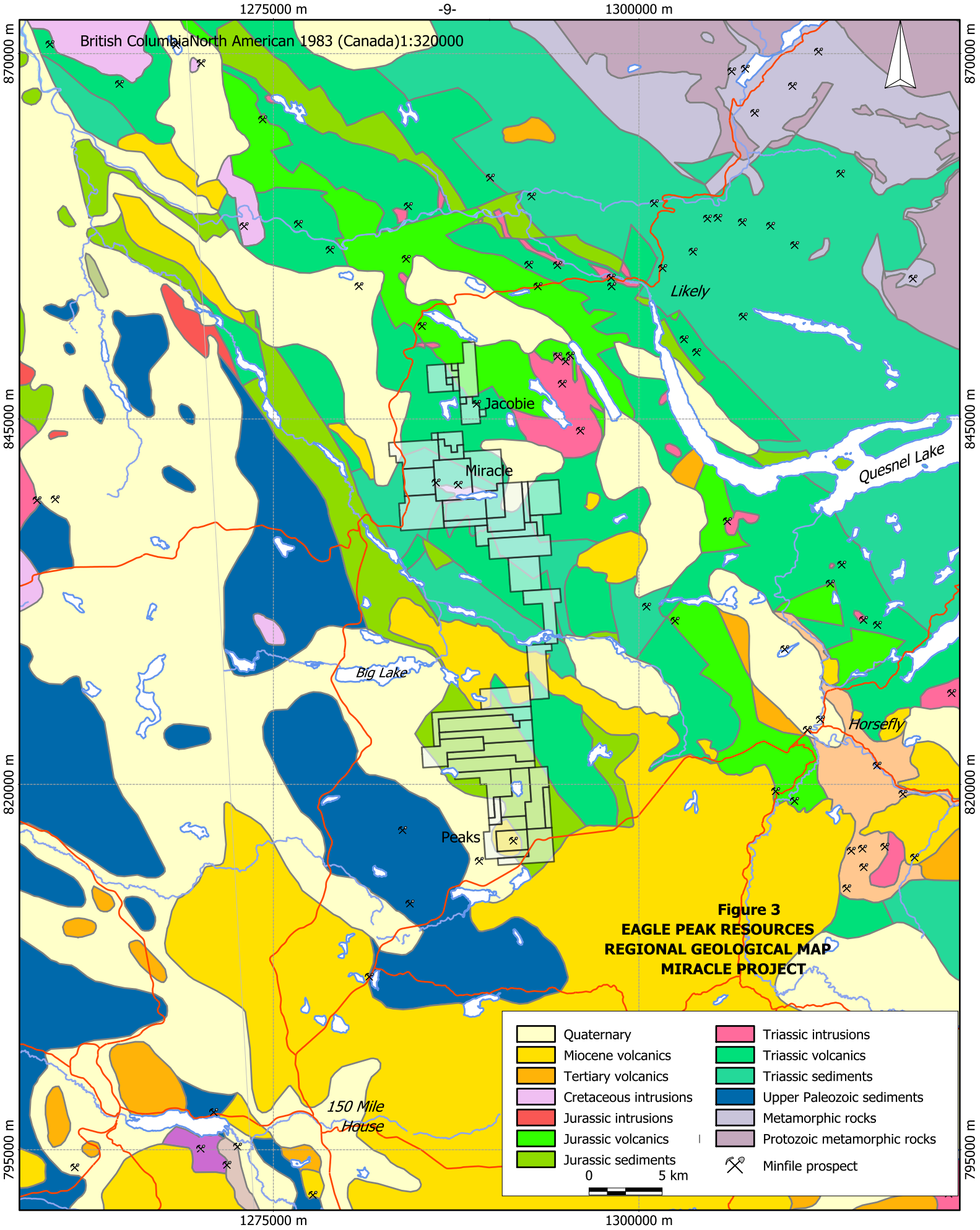
Results for copper and molybdenum (ppm) are given in Figure 5 and set out in Appendix I. Copper contents of the Miracle soils range from 30 to 131 ppm. Average copper content is 70 ppm. Molybdenum contents range from 0.9 to 6 ppm and average 3 ppm. Both Mo and Cu are at regional background levels.

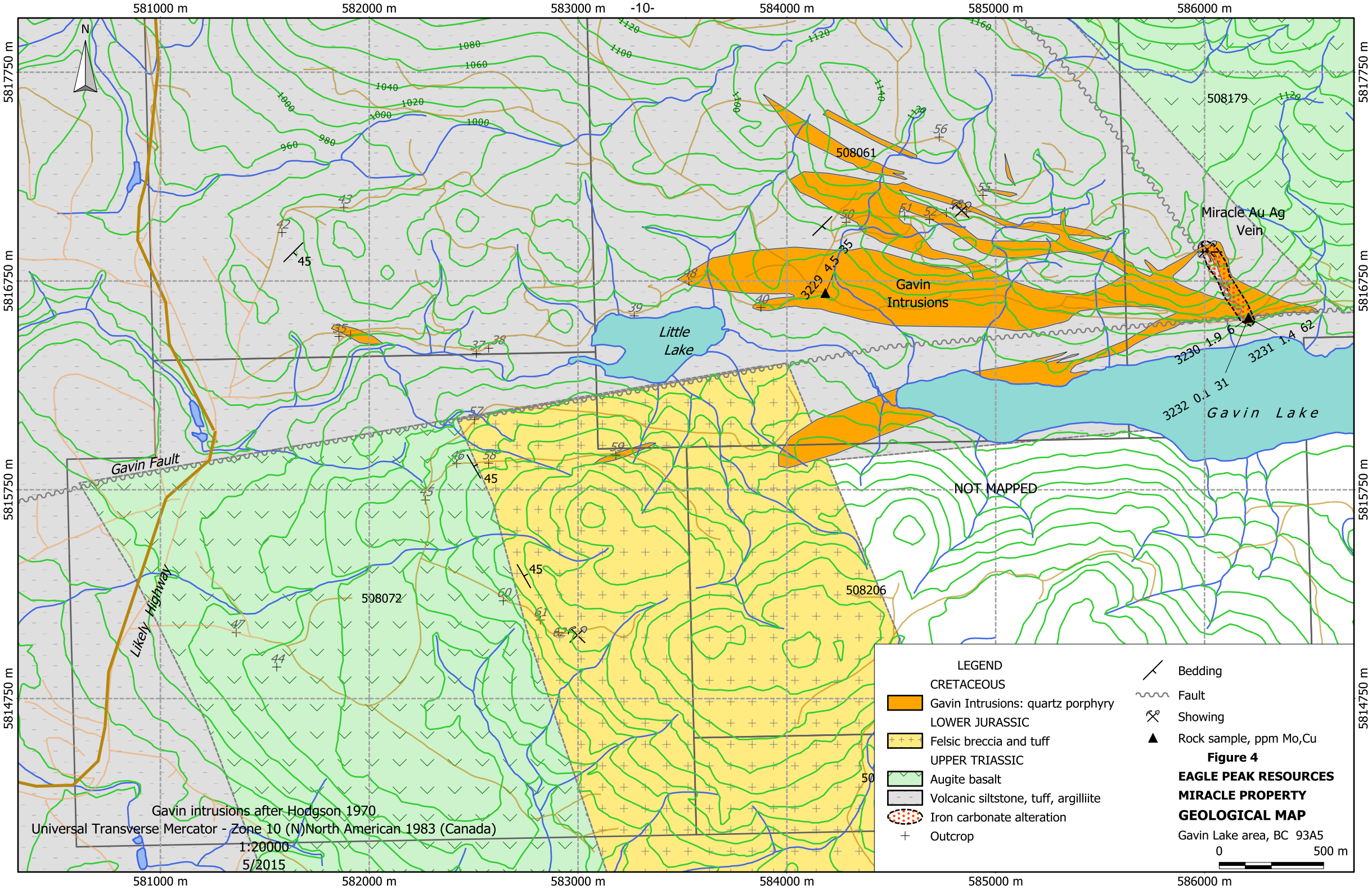
Rock analyses taken from the iron carbonate zone (Figure 4) exposed on the Gavin road returned low levels of Mo, Cu, Au and Ag except for 3232 which returned 2790 ppb Ag, suggesting that the early iron carbonate alteration predates Au, Ag mineralization obtained in the Miracle vein uphill from the carbonate outcrops. Similar brown iron carbonate was observed as a marginal alteration zone to the carbonate-quartz vein material during the 2009 Miracle program and seems to be an integral part of vein development, perhaps an early phase preceding quartz-calcite deposition.

A whole rock analysis of sample 3229, a quartz porphyry dike cutting altered sediments, indicates that the Gavin stock is a (weakly) peraluminous granite having a silica content of 69.95% and total alkalis of 7.76%. Normative minerals (wt%) are quartz 26%, plagioclase 52% and orthoclase 16% including a trace of normative corundum (Appendix III).

## **CONCLUSIONS AND RECOMMENDATIONS**

Further sampling work is recommended to test the Miracle vein area immediately uphill from the sampling work reported herein.





**LEGEND**

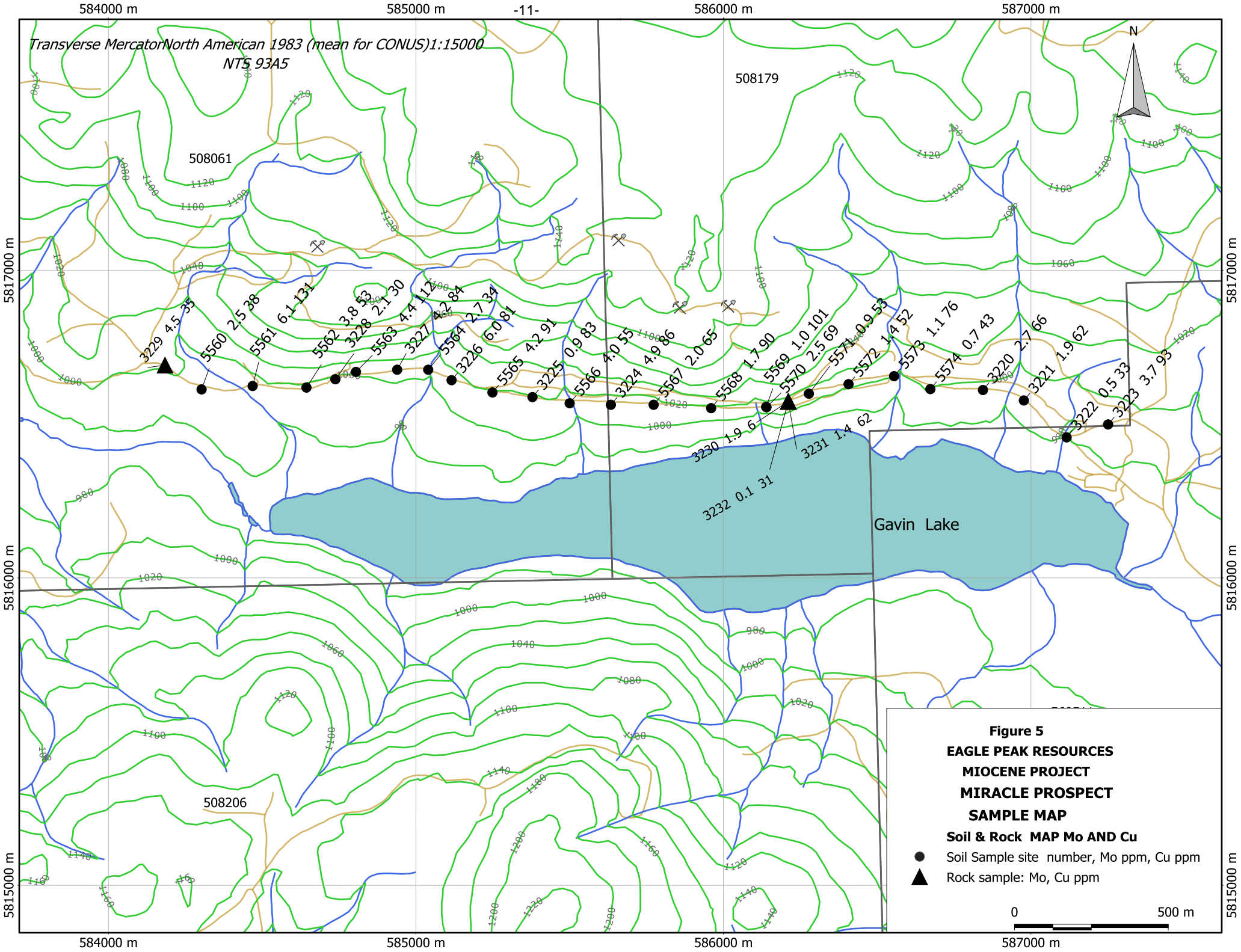
CRETACEOUS	Bedding
Gavin Intrusions: quartz porphyry	Fault
LOWER JURASSIC	Showing
Felsic breccia and tuff	Rock sample, ppm Mo,Cu
UPPER TRIASSIC	Iron carbonate alteration
Augite basalt	Outcrop
Volcanic siltstone, tuff, argillite	

**Figure 4**  
**EAGLE PEAK RESOURCES**  
**MIRACLE PROPERTY**  
**GEOLOGICAL MAP**  
 Gavin Lake area, BC 93A5

0 500 m

Gavin intrusions after Hodgson 1970  
 Universal Transverse Mercator - Zone 10 (N) North American 1983 (Canada)  
 1:20000  
 5/2015





## COST STATEMENT

Work expenditures are tabulated below in Table 2.

**TABLE 2. EXPENDITURES**

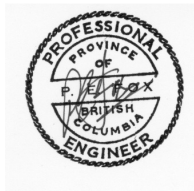
Miracle Project	Item	Rates	Subcost	Cost
Labour ( incl travel)	M Bailey sampler: April 13-18 2015	5 days@245	1225	
	L..Tattersall, technician,prospector April 13, 2015	1 days@300	300	
	P Fox, geologist i/c, supervision: April 13-18, 2015	5 days@1325	6625	<b>8150</b>
Accomodation,board	Sandman Inn	4 days@165		<b>660</b>
Truck rentals, fuel	1 4wd April 13-18 2015	5 days @ 165		<b>825</b>
Analyses	Acme labs, Vancouver	28samples@ \$25		<b>704</b>
Field costs	Sample bags, material, maps			<b>400</b>
Report Preparation	P Fox Phd PEng May 2,3,4 2015	3 days@ 1200		<b>3600</b>
<b>Project total</b>				<b>\$14,339</b>

Prepared by



P.E. Fox PhD.,P.Eng

May 5, 2015



Revised November 9, 2015

## 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, Geochemical Report, Miracle Prospect” and supervised all of the work therein.

Dated at Richmond, British Columbia this 5<sup>th</sup> Day of May, 2015

Respectfully submitted,

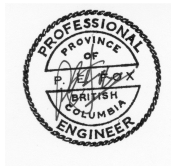


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Peter E. Fox PhD.,P.Eng.

May 5, 2015

Revised Nov 9 2015



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Shore, Greg, 1979: Geophysical Surveys of the Gavin Lake Property, Brican Resources. Aris report 7396.

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**APPENDIX I**

**MIRACLE PROPERTY**

**SAMPLE DATA**

**UTM NAD 83**

APPENDIX I  
SAMPLE DATA SOIL SAMPLES

Sample	E	N	wpt	Sampler	Type	Material	Hor	Color	Topo	Depth	Mo ppm	Cu ppm	Au ppb	Ag ppb
5560	584303	5816613	64	Fox,Bailey	Soil	Till	C	Brown	Hillside	5	2.53	38.47	2.8	56
5561	584469	5816624	65	Fox,Bailey	Soil	Till	C	Brown	Hillside	5	6.14	131.32	11.3	328
5562	584644	5816619	66	Fox,Bailey	Soil	Till	C	Brown	Hillside	5	3.76	52.71	5.2	166
5563	584805	5816670	67	Fox,Bailey	Soil	Till	C	Brown	Hillside	10	4.39	111.97	14.7	284
5564	585040	5816677	68	Fox,Bailey	Soil	Till	C	Brown	Hillside	5	2.69	33.7	3.2	128
5565	585249	5816603	69	Fox,Bailey	Soil	Till	C	Red/Brown	Hillside	10	4.19	90.8	16.2	296
5566	585500	5816568	70	Fox,Bailey	Soil	Till	C	Brown	Hillside	5	4.01	54.63	5.8	223
5567	585773	5816563	71	Fox,Bailey	Soil	Till	B	Brown	Hillside	5	2.05	65.05	17.5	245
5568	585960	5816552	72	Fox,Bailey	Soil	Till	C	Brown	Hillside	5	1.68	90.04	3.5	191
5569	586139	5816556	73	Fox,Bailey	Soil	Till	C	Brown	Hillside	5	0.99	100.72	10.9	186
5570	586140	5816555	75	Fox,Bailey	Soil	Till	C	Red/Brown	Hillside	3	2.49	69.29	3.7	190
5571	586278	5816599	76	Fox,Bailey	Soil	Till	B	Brown	Hillside	5	0.86	53.37	2.4	79
5572	586407	5816630	77	Fox,Bailey	Soil	Till	C	Brown	Hillside	5	1.35	52.22	3.2	78
5573	586555	5816656	78	Fox,Bailey	Soil	Till	C	Brown	Hillside	10	1.06	75.81	24.3	126
5574	586673	5816614	79	Fox,Bailey	Soil	Till	C	Brown	Hillside	5	0.69	43.25	1.3	105
3220	586844	5816611	80	Fox,Bailey	Soil	Till	C	Brown	Hillside	10	2.7	66.15	4.3	358
3221	586977	5816577	81	Fox,Bailey	Soil	Till	C	Brown	Hillside	5	1.89	62.32	4.1	105
3222	587116	5816457	82	Fox,Bailey	Soil	Till	C	Brown	Hillside	5	0.54	33.45	0.8	55
3223	587251	5816499	83	Fox,Bailey	Soil	Till	C	Brown	Hillside	8	3.68	93.13	6.4	380
3224	585634	5816563	84	Fox,Bailey	Soil	Till	C	Brown	Hillside	5	4.93	85.97	5.3	232
3225	585379	5816588	85	Fox,Bailey	Soil	Till	C	Brown	Hillside	5	0.9	82.95	4.3	120
3226	585116	5816643	86	Fox,Bailey	Soil	Till	C	Brown	Hillside	5	5.98	80.58	3.1	305
3227	584939	5816677	87	Fox,Bailey	Soil	Till	C	Brown	Hillside	5	4.17	83.79	4.6	133
3228	584738	5816646	88	Fox,Bailey	Soil	Till	C	Brown	Hillside	5	2.1	29.81	1.1	82
3229	584184	5816692	89	Fox,Bailey	Grab	Rock					1	3.1	0.9	<.1
3230	586211	5816574	90	Fox,Bailey	Grab	Rock					4.47	34.64	0.8	76
3231	586211	5816574	91	Fox,Bailey	Grab	Rock					1.85	6.19	1.7	162
3232	586211	5816574	92	Fox,Bailey	Grab	Rock					1.39	61.55	1.4	2790

## APPENDIX II

## MIRACLE PROPERTY

## CERTIFICATES

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES					
Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES					
Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
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.  
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
PHONE (604) 253-3158

**Client:** **Eagle Peak Resources Inc.**  
413 - 595 Burrard Street  
Vancouver BC V7X 1G4 Canada

Submitted By: Lloyd Tattersall  
Receiving Lab: Canada-Vancouver  
Received: April 24, 2015  
Report Date: April 29, 2015  
Page: 1 of 2

# CERTIFICATE OF ANALYSIS

VAN15000896.1

## CLIENT JOB INFORMATION

Project: Miracle  
Shipment ID:  
P.O. Number  
Number of Samples: 4

## SAMPLE DISPOSAL

RTRN-PLP Return  
PICKUP-RJT Client to Pickup Rejects

## SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
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

## 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.  
413 - 595 Burrard Street  
Vancouver BC V7X 1G4  
Canada

CC: Peter Fox



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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PHONE (604) 253-3158

**Client: Eagle Peak Resources Inc.**

413 - 595 Burrard Street  
Vancouver BC V7X 1G4 Canada

Project: Miracle

Report Date: April 29, 2015

Page: 2 of 2

Part: 1 of 5

# CERTIFICATE OF ANALYSIS

**VAN15000896.1**

Method	WGHT	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	
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	2	0.01	
3230	Rock	0.54	4.47	34.64	9.01	35.6	76	3.4	2.2	191	1.18	22.1	0.8	<0.2	3.9	22.3	0.15	1.52	0.37	20	0.22
3231	Rock	0.51	1.85	6.19	8.21	22.4	162	187.0	12.5	847	3.08	78.1	1.7	13.3	<0.1	191.9	0.13	1.33	0.07	24	16.56
3232	Rock	0.55	1.39	61.55	37.94	26.7	2790	445.1	35.8	586	2.89	221.8	1.4	158.3	<0.1	300.2	1.05	15.93	4.51	26	11.13
3229	Rock	0.57																			



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PHONE (604) 253-3158

**Client: Eagle Peak Resources Inc.**

413 - 595 Burrard Street  
Vancouver BC V7X 1G4 Canada

Project: Miracle

Report Date: April 29, 2015

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Part: 2 of 5

# CERTIFICATE OF ANALYSIS

**VAN15000896.1**

Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	LF200	LF200
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	SiO2	Al2O3	
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	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.01	0.01	
3230	Rock	0.056	10.0	7.1	0.35	161.5	0.052	<20	0.49	0.056	0.13	1.1	1.7	0.03	<0.02	<5	0.2	0.08	3.2		
3231	Rock	0.002	<0.5	93.5	8.58	40.9	0.001	<20	0.08	0.040	0.01	0.5	2.5	0.14	0.03	495	<0.1	0.04	0.3		
3232	Rock	0.003	<0.5	117.2	6.05	101.1	<0.001	<20	0.10	0.026	0.04	0.3	5.1	0.02	0.29	2565	<0.1	1.25	0.2		
3229	Rock																			69.95	15.33



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9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA

PHONE (604) 253-3158

**Client:** **Eagle Peak Resources Inc.**

413 - 595 Burrard Street  
Vancouver BC V7X 1G4 Canada

Project: Miracle

Report Date: April 29, 2015

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Part: 3 of 5

# CERTIFICATE OF ANALYSIS

**VAN15000896.1**

Method	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	
Analyte	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	Ga	Hf	Nb	
Unit	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	0.5	0.1	0.1	
3230	Rock																				
3231	Rock																				
3232	Rock																				
3229	Rock	1.73	0.21	1.88	5.06	2.71	0.23	0.09	0.03	<0.002	<20	2	2.5	99.70	1990	1	1.6	2.6	17.4	3.2	4.2



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PHONE (604) 253-3158

**Client:** **Eagle Peak Resources Inc.**

413 - 595 Burrard Street  
Vancouver BC V7X 1G4 Canada

Project: Miracle

Report Date: April 29, 2015

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# CERTIFICATE OF ANALYSIS

**VAN15000896.1**

Method	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	
Analyte	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05	0.01	0.05	0.02	
3230	Rock																				
3231	Rock																				
3232	Rock																				
3229	Rock	61.7	<1	412.1	0.3	5.5	1.6	29	1.0	121.2	5.9	20.3	39.5	4.22	14.9	2.61	0.69	1.87	0.26	1.14	0.18



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PHONE (604) 253-3158

**Client:** **Eagle Peak Resources Inc.**

413 - 595 Burrard Street  
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Project: Miracle

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Part: 5 of 5

# CERTIFICATE OF ANALYSIS

**VAN15000896.1**

Method	LF200	LF200	LF200	LF200	TC000	TC000	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
Analyte	Er	Tm	Yb	Lu	TOT/C	TOT/S	Mo	Cu	Pb	Zn	Ni	As	Cd	Sb	Bi	Ag	Au	Hg	Tl	Se	
Unit	ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	
MDL	0.03	0.01	0.05	0.01	0.02	0.02	0.1	0.1	0.1	1	0.1	0.5	0.1	0.1	0.1	0.1	0.5	0.01	0.1	0.5	
3230	Rock																				
3231	Rock																				
3232	Rock																				
3229	Rock	0.42	0.07	0.49	0.07	0.31	0.05	1.0	3.1	4.4	27	2.7	1.4	<0.1	0.2	<0.1	<0.1	0.9	0.04	<0.1	<0.5



# QUALITY CONTROL REPORT

VAN15000896.1

Method	WGHT	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
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	2	0.01	
Pulp Duplicates																					
3232 Rock	0.55	1.39	61.55	37.94	26.7	2790	445.1	35.8	586	2.89	221.8	1.4	158.3	<0.1	300.2	1.05	15.93	4.51	26	11.13	
REP 3232 QC		1.48	66.17	40.73	29.0	3058	448.1	38.0	633	2.90	227.7	1.6	160.6	<0.1	315.3	1.21	17.30	4.82	27	12.49	
3229 Rock	0.57																				
REP 3229 QC																					
Reference Materials																					
STD DS10 Standard		14.29	158.52	146.28	380.8	1834	74.7	12.3	901	2.78	47.9	2.5	80.6	7.4	64.7	2.62	8.91	12.12	39	1.07	
STD GS311-1 Standard																					
STD GS910-4 Standard																					
STD OREAS45EA Standard		1.68	668.18	14.61	30.7	275	370.4	48.5	404	21.83	11.4	1.8	56.6	10.2	3.7	0.03	0.36	0.27	294	0.03	
STD SO-18 Standard																					
STD SO-18 Standard																					
STD DS10 Expected		14.69	154.61	150.55	370	2020	74.6	12.9	875	2.7188	43.7	2.59	91.9	7.5	67.1	2.49	8.23	11.65	43	1.0625	
STD OREAS45EA Expected		1.39	709	14.3	28.9	260	381	52	400	23.51	9.1	1.73	53	10.7	3.5	0.02	0.2	0.26	303	0.036	
STD GS311-1 Expected																					
STD GS910-4 Expected																					
STD SO-18 Expected																					
BLK Blank		<0.01	0.04	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	
BLK Blank																					
BLK Blank																					
BLK Blank																					
Prep Wash																					
ROCK-VAN Prep Blank		0.55	10.77	1.60	31.4	17	1.2	4.3	481	1.88	1.0	0.4	<0.2	2.0	24.4	0.03	0.12	0.03	24	0.73	



# QUALITY CONTROL REPORT

VAN15000896.1

Method		AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	LF200	LF200			
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga	SiO2	Al2O3		
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	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.01	0.01		
Pulp Duplicates																							
3232	Rock	0.003	<0.5	117.2	6.05	101.1	<0.001	<20	0.10	0.026	0.04	0.3	5.1	0.02	0.29	2565	<0.1	1.25	0.2				
REP 3232	QC	0.002	<0.5	120.5	6.43	113.5	<0.001	<20	0.11	0.028	0.04	0.4	5.0	0.02	0.30	2729	0.2	1.27	0.2				
3229	Rock																			69.95	15.33		
REP 3229	QC																			69.91	15.25		
Reference Materials																							
STD DS10	Standard																						
STD DS10	Standard	0.078	15.9	55.0	0.80	427.3	0.076	<20	1.01	0.069	0.33	3.5	3.0	5.00	0.26	261	2.7	4.68	4.4				
STD GS311-1	Standard																						
STD GS910-4	Standard																						
STD OREAS45EA	Standard																						
STD OREAS45EA	Standard	0.028	6.9	823.3	0.09	149.8	0.094	<20	3.09	0.018	0.05	<0.1	73.6	0.05	0.03	9	0.8	0.12	12.6				
STD SO-18	Standard																				58.25	14.03	
STD SO-18	Standard																					58.24	14.07
STD DS10 Expected		0.073	17.5	54.6	0.775	359	0.0817		1.0259	0.067	0.338	3.32	2.8	5.1	0.29	300	2.3	5.01	4.3				
STD OREAS45EA Expected		0.029	6.57	849	0.095	148	0.0875		3.13	0.02	0.053		78	0.072	0.036	10	0.63	0.07	11.7				
STD GS311-1 Expected																							
STD GS910-4 Expected																							
STD SO-18 Expected																						58.47	14.23
BLK	Blank																						
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	0.1	<0.02	<0.02	<5	<0.1	0.04	<0.1				
BLK	Blank																						
BLK	Blank																					<0.01	<0.01
Prep Wash																							
ROCK-VAN	Prep Blank	0.045	4.6	3.3	0.46	68.4	0.061	<20	0.87	0.062	0.06	<0.1	2.5	<0.02	0.02	<5	<0.1	<0.02	3.4	69.99	14.15		



# QUALITY CONTROL REPORT

VAN15000896.1

Method	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200
Analyte	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	Ga	Hf	Nb	
Unit	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	0.5	0.1	0.1	
Pulp Duplicates																					
3232	Rock																				
REP 3232	QC																				
3229	Rock	1.73	0.21	1.88	5.06	2.71	0.23	0.09	0.03	<0.002	<20	2	2.5	99.70	1990	1	1.6	2.6	17.4	3.2	4.2
REP 3229	QC	1.78	0.21	1.86	5.11	2.71	0.23	0.08	0.03	<0.002	<20	2	2.5	99.68	2169	4	1.8	2.7	19.6	3.4	4.4
Reference Materials																					
STD DS10	Standard																				
STD DS10	Standard																				
STD GS311-1	Standard																				
STD GS910-4	Standard																				
STD OREAS45EA	Standard																				
STD OREAS45EA	Standard																				
STD SO-18	Standard	7.56	3.35	6.32	3.72	2.15	0.69	0.80	0.39	0.547	45	24	1.9	99.73	520	1	25.7	7.2	17.8	9.3	19.5
STD SO-18	Standard	7.60	3.35	6.32	3.65	2.14	0.69	0.81	0.39	0.551	43	24	1.9	99.74	529	2	26.6	7.0	17.5	9.7	19.3
STD DS10 Expected																					
STD OREAS45EA Expected																					
STD GS311-1 Expected																					
STD GS910-4 Expected																					
STD SO-18 Expected		7.67	3.35	6.42	3.71	2.17	0.69	0.83	0.39	0.55	44	25			514		26.2	7.1	17.6	9.8	19.3
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.04	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<20	<1	0.0	<0.01	1	<1	<0.2	<0.1	<0.5	<0.1	0.1
Prep Wash																					
ROCK-VAN	Prep Blank	3.22	0.94	2.84	4.39	2.14	0.37	0.09	0.09	<0.002	<20	8	1.6	99.83	815	2	4.9	0.3	12.6	3.2	5.5





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

**Client: Eagle Peak Resources Inc.**  
413 - 595 Burrard Street  
Vancouver BC V7X 1G4 Canada

Project: Miracle  
Report Date: April 29, 2015

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# QUALITY CONTROL REPORT

VAN15000896.1

Method	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	LF200	
Analyte	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05	0.01	0.05	0.02	
Pulp Duplicates																					
3232 Rock																					
REP 3232 QC																					
3229 Rock	61.7	<1	412.1	0.3	5.5	1.6	29	1.0	121.2	5.9	20.3	39.5	4.22	14.9	2.61	0.69	1.87	0.26	1.14	0.18	
REP 3229 QC	60.8	<1	394.5	0.3	5.7	1.9	30	1.4	122.4	6.1	20.8	38.1	4.22	15.5	2.87	0.69	1.86	0.26	1.15	0.18	
Reference Materials																					
STD DS10 Standard																					
STD DS10 Standard																					
STD GS311-1 Standard																					
STD GS910-4 Standard																					
STD OREAS45EA Standard																					
STD OREAS45EA Standard																					
STD SO-18 Standard	27.1	15	415.0	7.0	9.6	16.3	195	15.2	302.3	28.7	12.7	27.7	3.25	13.2	2.59	0.83	2.71	0.48	2.86	0.61	
STD SO-18 Standard	27.2	14	410.1	6.7	9.5	15.6	195	14.4	298.9	29.2	12.9	26.9	3.27	13.0	2.87	0.82	2.84	0.47	2.70	0.57	
STD DS10 Expected																					
STD OREAS45EA Expected																					
STD GS311-1 Expected																					
STD GS910-4 Expected																					
STD SO-18 Expected	28.7	15	407.4	7.4	9.9	16.4	200	14.8	290	29	12.3	27.1	3.45	14	3	0.89	2.93	0.53	3	0.62	
BLK Blank																					
BLK Blank																					
BLK Blank																					
BLK Blank	<0.1	<1	<0.5	<0.1	<0.2	<0.1	<8	<0.5	0.2	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	
Prep Wash																					
ROCK-VAN Prep Blank	41.0	<1	228.7	0.4	3.1	1.2	45	<0.5	132.6	17.5	16.2	30.1	3.41	13.1	2.46	0.77	2.73	0.46	2.81	0.61	



# QUALITY CONTROL REPORT

VAN15000896.1

Method	LF200	LF200	LF200	LF200	TC000	TC000	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
Analyte	Er	Tm	Yb	Lu	TOT/C	TOT/S	Mo	Cu	Pb	Zn	Ni	As	Cd	Sb	Bi	Ag	Au	Hg	Tl	Se	
Unit	ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	
MDL	0.03	0.01	0.05	0.01	0.02	0.02	0.1	0.1	0.1	1	0.1	0.5	0.1	0.1	0.1	0.1	0.5	0.01	0.1	0.5	
Pulp Duplicates																					
3232	Rock																				
REP 3232	QC																				
3229	Rock	0.42	0.07	0.49	0.07	0.31	0.05	1.0	3.1	4.4	27	2.7	1.4	<0.1	0.2	<0.1	<0.1	0.9	0.04	<0.1	<0.5
REP 3229	QC	0.47	0.06	0.53	0.07	0.31	0.05	0.9	3.2	4.2	25	2.6	1.2	<0.1	0.2	<0.1	<0.1	<0.5	0.03	<0.1	<0.5
Reference Materials																					
STD DS10	Standard							12.3	147.5	153.7	357	72.1	44.4	2.4	8.2	11.8	1.8	61.7	0.30	5.2	2.0
STD DS10	Standard																				
STD GS311-1	Standard					1.00	2.37														
STD GS910-4	Standard					2.67	8.66														
STD OREAS45EA	Standard							1.7	653.7	14.9	27	359.6	10.0	<0.1	0.3	0.2	0.3	52.6	<0.01	0.1	0.7
STD OREAS45EA	Standard																				
STD SO-18	Standard	1.67	0.27	1.73	0.27																
STD SO-18	Standard	1.68	0.26	1.75	0.27																
STD DS10 Expected								14.69	154.61	150.55	370	74.6	43.7	2.49	8.23	11.65	2.02	91.9	0.3	5.1	2.3
STD OREAS45EA Expected								1.39	709	14.3	28.9	381	9.1	0.02	0.2	0.26	0.26	53		0.072	0.6
STD GS311-1 Expected						1.02	2.35														
STD GS910-4 Expected						2.65	8.27														
STD SO-18 Expected		1.84	0.27	1.79	0.27																
BLK	Blank							<0.1	<0.1	<0.1	<1	<0.1	<0.5	<0.1	<0.1	<0.1	<0.1	<0.5	<0.01	<0.1	<0.5
BLK	Blank																				
BLK	Blank					<0.02	<0.02														
BLK	Blank	<0.03	<0.01	<0.05	<0.01																
Prep Wash																					
ROCK-VAN	Prep Blank	1.74	0.31	2.09	0.34	0.10	<0.02	0.6	10.5	1.4	31	1.2	1.2	<0.1	<0.1	<0.1	<0.1	<0.5	<0.01	<0.1	<0.5



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

**Client:** **Eagle Peak Resources Inc.**  
413 - 595 Burrard Street  
Vancouver BC V7X 1G4 Canada

Submitted By: Lloyd Tattersall  
Receiving Lab: Canada-Vancouver  
Received: April 24, 2015  
Report Date: April 28, 2015  
Page: 1 of 2

# CERTIFICATE OF ANALYSIS

VAN15000895.1

## CLIENT JOB INFORMATION

Project: Miracle  
Shipment ID:  
P.O. Number  
Number of Samples: 24

## SAMPLE DISPOSAL

RTRN-PLP Return  
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.  
413 - 595 Burrard Street  
Vancouver BC V7X 1G4  
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	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

## 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

PHONE (604) 253-3158

**Client: Eagle Peak Resources Inc.**

413 - 595 Burrard Street  
Vancouver BC V7X 1G4 Canada

Project: Miracle

Report Date: April 28, 2015

Page: 2 of 2

Part: 1 of 2

# CERTIFICATE OF ANALYSIS

VAN15000895.1

Method	Analyte	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		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	%	%	%
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
5560	Soil	2.53	38.47	6.07	43.9	56	29.2	10.8	280	2.76	8.0	0.4	2.8	2.5	27.3	0.09	0.94	0.27	67	0.35	0.122
5561	Soil	6.14	131.32	8.33	76.9	328	44.4	19.9	763	4.30	12.2	0.4	11.3	1.4	40.8	0.31	2.16	0.66	110	0.62	0.150
5562	Soil	3.76	52.71	10.75	96.8	166	42.4	16.8	620	3.34	8.3	0.4	5.2	1.7	53.8	0.28	1.03	0.42	80	0.68	0.096
5563	Soil	4.39	111.97	9.78	67.5	284	62.5	20.9	618	4.40	11.9	0.4	14.7	1.8	47.1	0.17	1.45	0.57	114	0.63	0.115
5564	Soil	2.69	33.70	5.69	49.1	128	21.9	11.3	397	2.52	6.2	0.4	3.2	1.9	34.6	0.13	0.72	0.24	66	0.44	0.096
5565	Soil	4.19	90.80	9.20	94.3	296	123.2	27.4	602	4.60	12.4	0.3	16.2	1.4	33.6	0.16	2.48	0.42	108	0.56	0.064
5566	Soil	4.01	54.63	6.85	62.3	223	35.1	15.8	602	3.41	8.3	0.4	5.8	2.1	46.8	0.18	0.63	0.23	80	0.59	0.082
5567	Soil	2.05	65.05	7.52	70.7	245	36.2	15.4	701	3.43	9.3	0.4	17.5	2.4	37.2	0.23	0.73	0.27	76	0.52	0.100
5568	Soil	1.68	90.04	7.52	72.0	191	41.1	20.7	736	4.08	9.9	0.5	3.5	2.5	42.1	0.15	0.55	0.49	96	0.74	0.110
5569	Soil	0.99	100.72	7.29	70.4	186	39.5	21.7	790	4.19	11.5	0.5	10.9	2.5	42.3	0.11	0.66	0.22	96	0.80	0.117
5570	Soil	2.49	69.29	9.23	70.3	190	47.9	18.8	684	3.47	15.0	0.6	3.7	3.6	45.3	0.23	0.80	0.32	76	0.62	0.095
5571	Soil	0.86	53.37	6.11	59.0	79	36.5	15.4	636	3.06	9.3	0.4	2.4	3.4	89.5	0.24	0.64	0.16	73	2.13	0.099
5572	Soil	1.35	52.22	6.14	53.4	78	38.0	14.8	576	3.08	8.5	0.7	3.2	2.8	36.1	0.15	0.58	0.17	71	0.47	0.081
5573	Soil	1.06	75.81	6.35	96.6	126	50.6	25.5	767	4.26	6.0	0.3	24.3	1.3	42.2	0.16	0.50	0.14	106	0.50	0.110
5574	Soil	0.69	43.25	5.60	57.0	105	30.9	15.0	504	2.88	5.8	0.4	1.3	2.5	33.3	0.18	0.47	0.12	68	0.46	0.074
3220	Soil	2.70	66.15	10.09	62.3	358	163.6	29.2	768	4.23	12.6	0.6	4.3	1.1	42.9	0.25	0.96	1.82	91	0.61	0.126
3221	Soil	1.89	62.32	6.49	64.0	105	55.5	20.6	860	3.52	9.6	0.4	4.1	2.7	40.4	0.19	1.01	0.26	82	0.55	0.108
3222	Soil	0.54	33.45	4.73	45.3	55	25.9	11.6	421	2.62	5.5	0.4	0.8	2.6	28.4	0.11	0.36	0.09	64	0.44	0.087
3223	Soil	3.68	93.13	6.81	107.4	380	57.5	26.2	725	4.71	9.2	0.5	6.4	1.6	35.5	0.15	0.79	0.24	112	0.70	0.061
3224	Soil	4.93	85.97	8.38	74.1	232	57.0	20.7	777	3.58	10.9	0.5	5.3	2.4	52.3	0.26	1.54	0.49	88	0.62	0.097
3225	Soil	0.90	82.95	5.47	52.7	120	29.6	15.4	622	3.16	8.3	0.4	4.3	2.6	37.0	0.17	0.62	0.10	77	0.54	0.104
3226	Soil	5.98	80.58	12.36	88.2	305	39.3	19.1	910	3.50	7.8	0.4	3.1	1.3	50.5	0.19	1.16	0.42	87	0.47	0.092
3227	Soil	4.17	83.79	8.90	64.1	133	46.9	18.6	713	3.30	10.7	0.5	4.6	3.2	67.8	0.26	1.44	0.45	78	1.35	0.117
3228	Soil	2.10	29.81	5.69	59.2	82	29.0	11.0	358	2.52	5.8	0.4	1.1	2.1	26.2	0.15	0.73	0.23	60	0.36	0.094



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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA

PHONE (604) 253-3158

**Client:** Eagle Peak Resources Inc.  
413 - 595 Burrard Street  
Vancouver BC V7X 1G4 Canada

**Project:** Miracle  
**Report Date:** April 28, 2015

**Page:** 2 of 2

**Part:** 2 of 2

# CERTIFICATE OF ANALYSIS

VAN15000895.1

Method	Analyte	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		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	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
5560	Soil	10.2	54.0	0.59	86.6	0.086	<20	1.13	0.007	0.10	0.1	3.9	0.06	<0.02	34	<0.1	0.04	3.6
5561	Soil	9.8	70.0	1.17	234.0	0.116	<20	1.61	0.010	0.58	0.7	7.3	0.18	<0.02	98	<0.1	0.16	5.7
5562	Soil	7.9	63.0	0.92	224.8	0.123	<20	1.57	0.010	0.31	0.9	4.5	0.11	<0.02	71	0.2	0.08	5.0
5563	Soil	9.7	91.6	1.54	218.7	0.160	<20	1.92	0.013	0.57	0.7	7.7	0.21	<0.02	70	0.2	0.16	6.0
5564	Soil	9.8	43.3	0.54	82.3	0.090	<20	1.00	0.009	0.13	0.1	3.5	0.07	<0.02	33	<0.1	0.04	3.3
5565	Soil	6.4	123.0	1.86	269.8	0.164	<20	2.37	0.009	0.78	0.5	6.8	0.19	<0.02	42	<0.1	0.59	7.2
5566	Soil	10.5	53.2	0.93	163.1	0.102	<20	1.54	0.010	0.31	0.2	6.9	0.11	<0.02	56	0.2	0.08	5.1
5567	Soil	9.5	57.1	0.87	185.2	0.097	<20	1.51	0.010	0.26	0.1	7.3	0.10	<0.02	119	<0.1	0.05	4.6
5568	Soil	10.7	59.0	1.36	195.0	0.124	<20	2.05	0.015	0.62	0.2	7.9	0.14	<0.02	36	0.2	0.08	6.9
5569	Soil	10.2	61.7	1.42	109.1	0.128	<20	2.01	0.008	0.66	0.2	8.6	0.13	<0.02	75	0.1	0.07	6.6
5570	Soil	14.5	59.4	0.90	187.1	0.092	<20	1.55	0.011	0.32	0.2	7.2	0.13	<0.02	59	0.3	0.04	4.9
5571	Soil	12.2	56.3	0.86	127.7	0.090	<20	1.31	0.017	0.16	0.1	6.6	0.11	<0.02	32	<0.1	<0.02	4.1
5572	Soil	12.0	54.7	0.79	119.1	0.090	<20	1.41	0.010	0.23	0.2	6.9	0.09	<0.02	57	0.3	<0.02	4.4
5573	Soil	6.4	105.8	1.48	210.0	0.137	<20	1.91	0.010	0.35	0.2	6.0	0.08	<0.02	51	0.1	0.06	6.1
5574	Soil	10.9	49.3	0.68	113.9	0.086	<20	1.36	0.008	0.16	0.1	5.5	0.08	<0.02	39	0.3	0.03	3.9
3220	Soil	8.3	88.5	1.17	149.5	0.083	<20	1.53	0.011	0.28	0.2	7.0	0.10	0.02	166	0.4	0.30	5.0
3221	Soil	12.5	65.4	0.98	131.8	0.095	<20	1.48	0.010	0.18	<0.1	7.6	0.10	<0.02	126	0.2	0.10	4.7
3222	Soil	8.6	49.8	0.56	75.9	0.078	<20	1.15	0.006	0.10	0.1	4.2	0.06	<0.02	23	0.2	0.02	3.6
3223	Soil	7.2	57.6	1.77	325.7	0.146	<20	2.74	0.013	0.66	0.2	7.7	0.19	<0.02	97	0.5	0.08	7.7
3224	Soil	11.4	79.1	1.06	202.7	0.115	<20	1.63	0.016	0.36	0.4	7.2	0.13	<0.02	81	0.2	0.14	5.2
3225	Soil	10.7	51.0	0.81	104.3	0.090	<20	1.18	0.012	0.22	<0.1	8.4	0.12	<0.02	83	0.1	<0.02	3.6
3226	Soil	7.9	63.7	0.96	279.7	0.129	<20	1.64	0.011	0.28	0.2	4.8	0.13	<0.02	33	0.2	0.08	5.5
3227	Soil	12.5	57.4	0.99	168.0	0.096	<20	1.44	0.021	0.29	0.3	6.8	0.13	<0.02	70	0.2	0.08	4.4
3228	Soil	8.2	50.9	0.54	93.7	0.089	<20	1.10	0.007	0.16	0.1	3.0	0.06	<0.02	22	<0.1	0.03	3.4



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

**Client: Eagle Peak Resources Inc.**  
413 - 595 Burrard Street  
Vancouver BC V7X 1G4 Canada

Project: Miracle  
Report Date: April 28, 2015

Page: 1 of 1

Part: 1 of 2

# QUALITY CONTROL REPORT

VAN15000895.1

Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
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	
Pulp Duplicates																					
5566	Soil	4.01	54.63	6.85	62.3	223	35.1	15.8	602	3.41	8.3	0.4	5.8	2.1	46.8	0.18	0.63	0.23	80	0.59	0.082
REP 5566	QC	4.06	55.53	7.54	59.7	229	38.0	16.6	639	3.48	8.6	0.4	7.5	2.3	49.1	0.17	0.68	0.28	83	0.60	0.076
Reference Materials																					
STD DS10	Standard	13.27	161.24	153.76	401.2	1841	78.0	13.3	892	2.79	46.9	2.5	53.5	7.0	62.3	2.58	9.01	12.15	40	1.05	0.081
STD OREAS45EA	Standard	1.74	694.97	15.52	32.9	302	384.7	54.7	417	24.51	12.7	1.9	57.3	10.9	4.0	0.05	0.47	0.27	327	0.04	0.032
STD DS10 Expected		14.69	154.61	150.55	370	2020	74.6	12.9	875	2.7188	43.7	2.59	91.9	7.5	67.1	2.49	8.23	11.65	43	1.0625	0.073
STD OREAS45EA Expected		1.39	709	14.3	28.9	260	381	52	400	23.51	9.1	1.73	53	10.7	3.5	0.02	0.2	0.26	303	0.036	0.029
BLK	Blank	<0.01	0.03	0.01	0.2	<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



# QUALITY CONTROL REPORT

VAN15000895.1

Method	Analyte	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		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	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
Pulp Duplicates																		
5566	Soil	10.5	53.2	0.93	163.1	0.102	<20	1.54	0.010	0.31	0.2	6.9	0.11	<0.02	56	0.2	0.08	5.1
REP 5566	QC	10.4	58.8	0.95	163.6	0.111	<20	1.56	0.010	0.31	0.2	7.1	0.12	<0.02	61	0.2	0.07	4.9
Reference Materials																		
STD DS10	Standard	16.4	56.2	0.78	402.9	0.081	<20	1.00	0.068	0.34	3.3	2.6	5.23	0.28	279	2.2	4.75	4.2
STD OREAS45EA	Standard	7.5	820.4	0.11	152.0	0.111	<20	3.13	0.020	0.05	<0.1	76.3	0.06	0.03	13	0.9	0.10	13.3
STD DS10 Expected		17.5	54.6	0.775	359	0.0817		1.0259	0.067	0.338	3.32	2.8	5.1	0.29	300	2.3	5.01	4.3
STD OREAS45EA Expected		6.57	849	0.095	148	0.0875		3.13	0.02	0.053		78	0.072	0.036	10	0.63	0.07	11.7
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1

**APPENDIX III**

**WHOLE ROCK ANALYSIS SAMPLE 3229**

**Acme laboratories**

**Total whole rock with AQ 200**



APPENDIX III  
SAMPLE 3229 WHOLE ROCK ANALYSIS

sample	3229		Norm minerals	wt%	Vol %
Analyte	Rock		Quartz	26.09	26.51
Wgt kg	0.57		Plagioclase	51.77	52.74
SiO2	69.95		Orthoclase	16.07	16.9
Al2O3	15.33		Corundum	0.86	0.58
Fe2O3	1.73		Hypersthene	0.52	0.44
MgO	0.21		Rutile	2.69	1.72
CaO	1.88		Ilmenite	0.06	0.04
Na2O	5.06		Magnetite	0	0
K2O	2.71		Hematite	1.74	0.89
TiO2	0.23		Apatite	0.21	0.18
P2O5	0.09				
MnO	0.03				
Sc	2				
LOI	2.5				
Sum	<b>99.7</b>				
	ppb		ppb		
Cr2O3	<0.002	Eu	0.69		
Ni	<20	Gd	1.87		
Ba	1990	Tb	0.26		
Be	1	Dy	1.14		
Co	1.6	Ho	0.18		
Cs	2.6	Er	0.42		
Ga	17.4	Tm	0.07		
Hf	3.2	Yb	0.49		
Nb	4.2	Lu	0.07		
Rb	61.7	TOT/C	0.31		
Sn	<1	TOT/S	0.05		
Sr	412.1	Mo	1		
Ta	0.3	Cu	3.1		
Th	5.5	Pb	4.4		
U	1.6	Zn	27		
V	29	Ni	2.7		
W	1	As	1.4		
Zr	121.2	Cd	<0.1		
Y	5.9	Sb	0.2		
La	20.3	Bi	<0.1		
Ce	39.5	Ag	<0.1		
Pr	4.22	Au	0.9		
Nd	14.9	Hg	0.04		
Sm	2.61	Tl	<0.1		