

ASSESSMENT REPORT

on the

BIG KAHUNA PROPERTY

MTO Events # 4867558 + 4983500

**NELSON MINING DIVISION,
British Columbia
Latitude 49°16.2' N, Longitude 116°19.6' W**

Prepared for Operator:

**FJORDLAND EXPLORATION INC.
1100 – 1111 Melville Street
Vancouver, B.C., Canada V6E 3V6**

By:

**L. John Peters,
B.Sc., P .Geo.**

and

**David L. Pighin,
P.Geo**

**19 August, 2011
Vancouver, B.C.**

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1. SUMMARY

This report covers MTO Events 4867558 and 4983500 dated 31 May 2011 and 15 August 2011 respectively.

From May 23 to 27, 2011 a program consisting geological mapping and rock sampling was completed on the Big Kahuna property by D. Pighin of Cranbrook, B.C.. The total cost of the survey was \$7,442.⁸¹.

The Big Kahuna Property is located 18 kilometres north-east of the town of Creston, BC. At the date of this report, the Big Kahuna Property consists of 24 mineral tenures with a total area of 9,569.3 hectares.

The claim block is underlain by Proterozoic-aged Purcell Supergroup rocks of the Aldridge and Creston Formations. The 2011 Exploration program focused on prospecting and geologically mapping the Cowley Creek area of the property, underlain mainly by Proterozoic Sediments and lessor Gabbroic Sill and Dykes.

Four relatively large quartz-limonite-breccia structures were discovered in the Cowley Creek area. Grab samples from two of the breccia showings are anomalous in gold from previous prospecting programs. Assays from rocks collected during the mapping all graded below detection limit for gold (< 0.1 g/t Au).

A program of soil geochemistry and trenching is recommended for the next stage of exploration in the area. The next program is estimated to cost \$20,000. Work is currently underway.

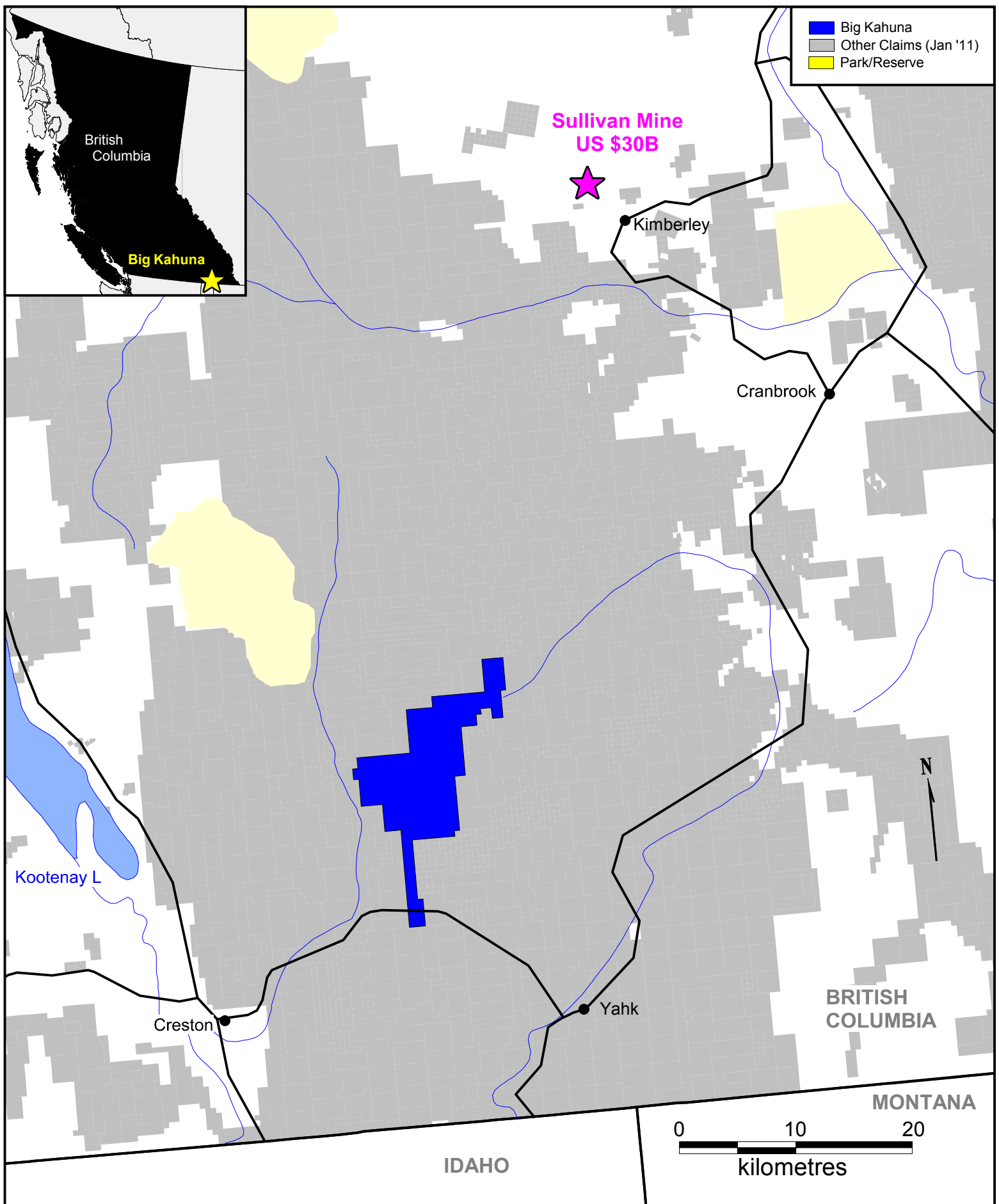


Figure 1: Property Location

2.0 PROPERTY LOCATION, SIZE, ACCESS AND PHYSIOGRAPHY

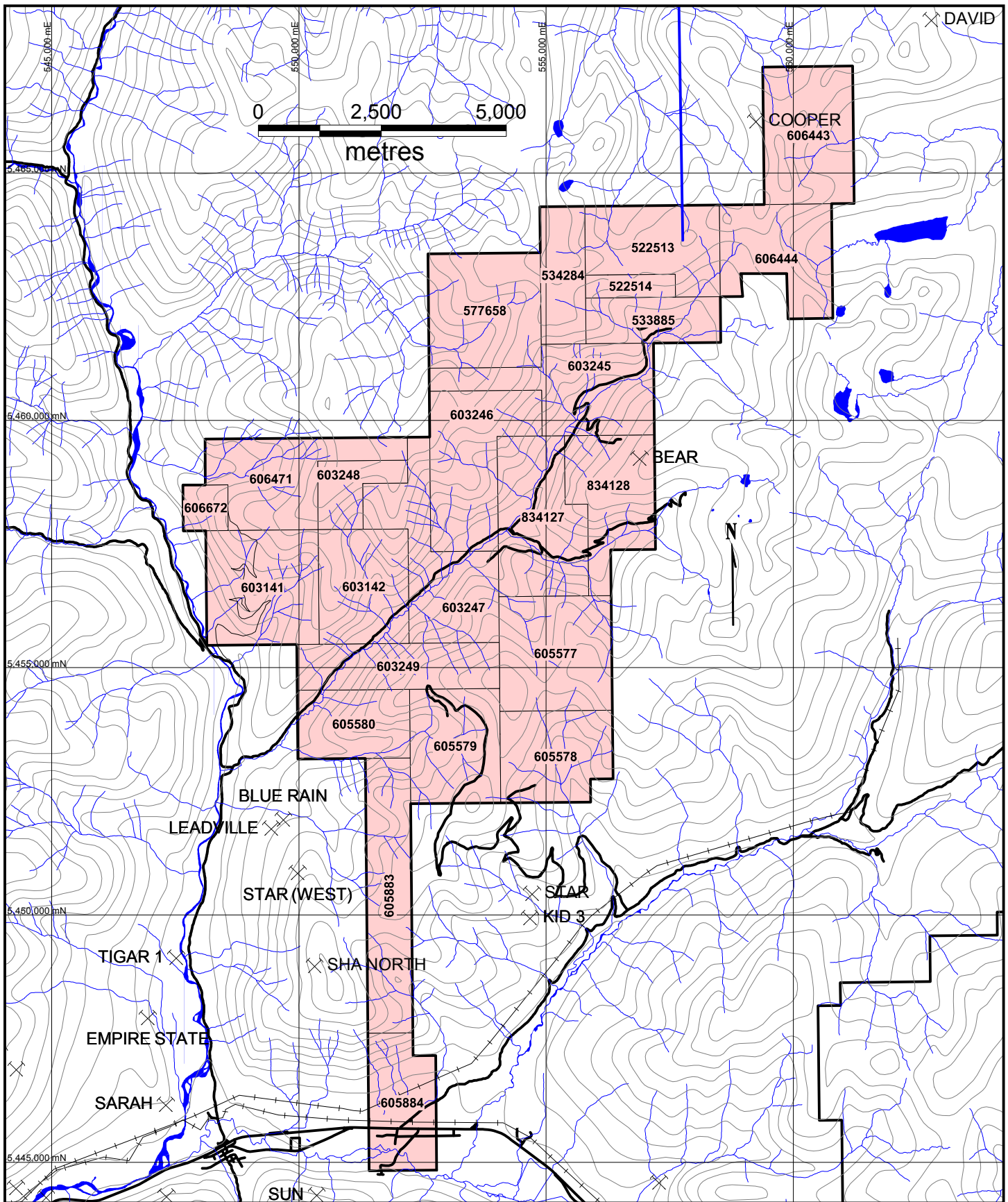
The Big Kahuna Property is located 18 kilometres north-east of the town of Creston, BC (Figure 1). The Property is located in the Nelson Mining Division of southeast British Columbia, on NTS map sheet 082F 08 at geographic coordinates; latitude 49°16.2' N, longitude 116°19.6' W as shown on Figure 2.

Access from Creston is via Hwy 3 east, then north along the main Goat River Forest Service Road (FSR) to 2.5 km north of Leadville Creek, then east for 8 km on a logging spur road.

At the date of this report, the Big Kahuna Property consists of 24 mineral tenures with a total area of 9,569.3 hectares. The property is owned by Craig Kennedy and Sean Kennedy of Kimberley, BC. and surrounded on all sides by competitor claims. The property is in good standing until 15 December 2011 pending the acceptance of this report. Tenure information as of 15 August 2011 follows:

Tenure	Claim Name	Issue Date	Good To	Area (ha)
522513	BIG KAHUNA	2005/nov/22	2011/dec/15	421.1
522514	BIG KAHUNA 2	2005/nov/22	2011/dec/15	84.2
533885	BK	2006/may/10	2011/dec/15	252.7
534284	BIG KAHUNA 3	2006/may/22	2011/dec/15	252.7
577658	BK 5	2008/mar/01	2011/dec/15	526.5
	SECOND TIME			
603141	AROUND	2009/apr/21	2011/dec/15	527.1
603142	STA 2	2009/apr/21	2011/dec/15	421.6
603245	STA 3	2009/apr/22	2011/dec/15	526.7
603246	STA 4	2009/apr/22	2011/dec/15	526.8
603247	STA 5	2009/apr/22	2011/dec/15	527.0
603248	STA 6	2009/apr/22	2011/dec/15	168.6
603249	STA 7	2009/apr/22	2011/dec/15	379.6
605577	STA 08-09	2009/jun/06	2011/dec/15	527.2
605578	STA-09-09	2009/jun/06	2011/dec/15	400.8
605579	STA-10-09	2009/jun/06	2011/dec/15	421.9
605580	STA-11-09	2009/jun/06	2011/dec/15	316.4
605883	STA-12-09	2009/jun/12	2011/dec/15	506.5
605884	STA-13-09	2009/jun/12	2011/dec/15	359.1
606443	BK 06-09	2009/jun/22	2011/dec/15	505.1
606444	BK07-09	2009/jun/22	2011/dec/15	421.1
606471	BK-06-09	2009/jun/22	2011/dec/15	463.6
606672	STA-15-09	2009/jun/26	2011/dec/15	84.3
834127	BK STA 2010-1	2010/sep/23	2011/dec/15	526.9
834128	BK STA 2010-2	2010/sep/23	2011/dec/15	421.5

Table 1: Mineral Tenure Information - Big Kahuna Property



✕ Minfile Occurrence

Figure 2: Claims Map

In December 2010 the Property was optioned by Fjordland Exploration Inc. Fjordland is a public company incorporated in Canada, with offices at #1100-1111 Melville Street, Vancouver, BC, Canada, V6E 3V6.

The property area is situated west of the Rocky Mountain Trench within the Purcell Mountains. Topography is moderate to steep with glacially rounded ridges. Within the Property elevations range from 1000 to 2000 m. Slopes are generally moderate with some cliffy sections. All of the survey area is below tree line with only ridgetop areas containing fewer trees. The area is timbered with spruce, balsam, fir and lodgepole pine. Vegetation under forest cover is typified by huckleberry, mountain alder and beargrass.

3.0 HISTORY

Property-wide, the areas has been investigated for gold mineralization since the early 1990s by the current owner Craig Kennedy. In the Cowley Creek area, the location of the current 2011 exploration program, the owner conducted prospecting in 2009 and 2010. D. Pighin visited the area in 2010 and completed preliminary geological mapping. The author is not aware of any other exploration completed in this area.

4.0 GEOLOGICAL SETTING

The claim block is underlain by Proterozoic-aged Purcell Supergroup rocks of the Aldridge Formation (Figure 3). These are fine-grained clastics that include impure quartzites, siltstones and argillites. The rocks have been metamorphosed to lower greenschist facies and have been intruded by a series of mafic sills and dykes.

4.1 Property Geology - Cowley Creek Area

The Cowley Creek area is underlain mainly by Proterozoic Sediments, lessor Gabbroic Sill and Dykes. Lamprophyre Diatremes and Dykes do occur in the Cowley Creek area but are very rare. The area is cut by a major reverse fault (thrust fault) called the Cowley fault. The Cowley fault correlates well with the Auriferous Perry Creek fault system. Four relatively large quartz-limonite-breccia structures have been discovered in the Cowley Creek area. Grab samples from two of the breccia showings are anomalous in gold. Assays from rocks collected during the mapping all graded below detection limit for gold (< 0.1 g/t Au).

4.2 Cowley Creek Stratigraphy

The Cowley Creek basin is underlain by the middle Aldridge FM, Upper Aldridge FM, and the Creston FM.

4.2.1 The middle Aldridge FM is normally 10,000 ft (3048m) thick. The formation consists mainly of medium to thick and very thick bedded siltstones. Siltstone beds are commonly graded fining upwards, bedding planes are often marked by load casts, flute casts, and flame structures, these sediments are interpreted to be proximal turbidite deposits. Intercalated with turbiditic siltstone sequences are units of 1 to 30 meters thick

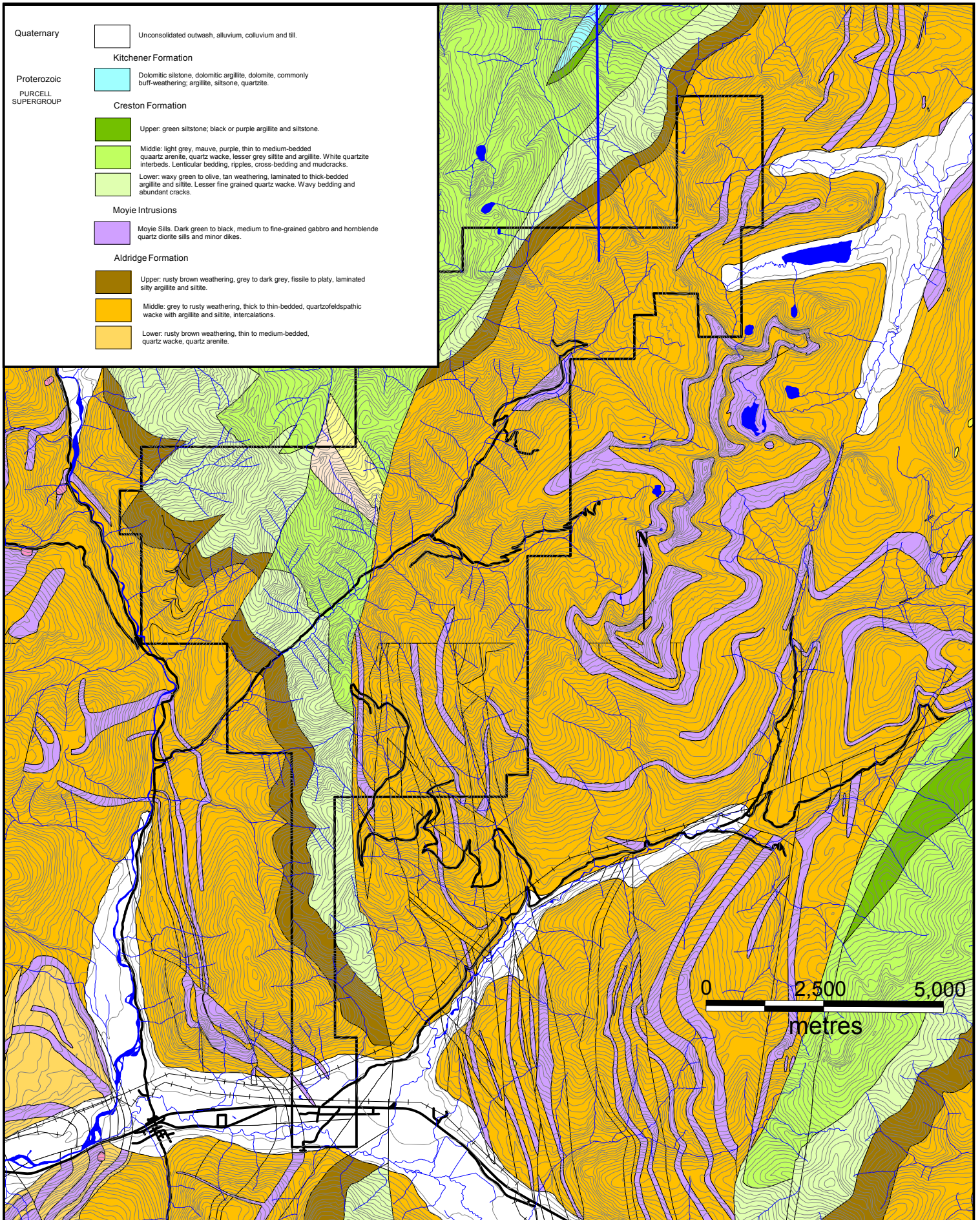


Figure 3: Property Geology
(after Brown D.A. et al 2010
GSC Open File 6309)

consisting mainly of thin to very thin bedded, rusty weathering black and dark grey parallel to wispy laminated, and are commonly pyrrhotiferous, Middle Aldridge marker beds have been mapped in at least three localities in the Cowley Creek area. These beds are useful tools in sorting out middle Aldridge stratigraphy and structure.

4.2.2 The upper Aldridge formation is generally 1000ft (300m) thick, and consists mainly of thin to very thin bedded dark grey, black and light grey, parallel laminated salty argillite and argillite, with local white, 1cm thick, finely cross bedded very fine grained siltstone beds. Isolated medium to thin siltstone bed are widely scattered throughout the formations. The upper Aldridge FM is typically flaggy and weathers rusty.

4.2.3 The Creston FM is generally 7,000 ft thick (2134 meters) and consists of shallow marine clastic sediments. Sediments forming part of the lower Creston FM has been mapped in the Cowley Creek area. These sediments rest conformably on the upper Aldridge FM. These rocks consist of mainly grey and some green, thin to medium bedded siltstone and argillite, the beds are commonly parallel to wispy current laminated and syneresis cracks on bedding planes are noticeable.

4.3 Intrusive Rocks

In the Cowley Creek area intrusive rocks are not abundant and consist of gabbro sills, lamprophyre dykes and lamprophyric diatremes.

4.3.1 Gabbro sills generally are medium to coarse grained and locally can be differentiated to quartz diorite. The gabbro consists mainly of hornblende and plagioclase phenocrysts in a fine grain matrix of plagioclase, quartz, hornblende, chlorite and epidote.

4.3.2 Natural exposures of lamprophyre rock rarely occur anywhere in the district. In the Cowley Creek area a relatively large lamprophyre diatreme, and some small lamprophyre dykes are exposed in recent road outs. An area of abundant near-in-place large boulders of phlogopitic lamprophyre are found in the northern part of the Cowley Creek area.

4.4 Structure

Recent geological work has identified a new and major reverse fault, that moves middle Aldridge sediments up and over sediments of the upper Aldridge and Creston Formations. In this report this fault is referred to as the Cowley fault. The Cowley fault strikes NE and has an indicated right lateral movement of approximately 2 kms. The Cowley fault correlates well with the auriferous Perry Creek fault system located NE of the Cowley Creek drainage.

In general the sediments in the Cowley Creek area dip moderately to the north and northeast. Asymmetrical folds are developed in the strip between the Cowley Creek fault and a lessor but parallel fault. The folds trend NW-SE and plunge SE from 12° to 17°.

4.5 Economic Geology

Prospectors in the spring of 2010 located 3 large quartz limonite breccia structures in the Cowley Creek area. Grab sampling by the prospectors found that 2 of the breccia

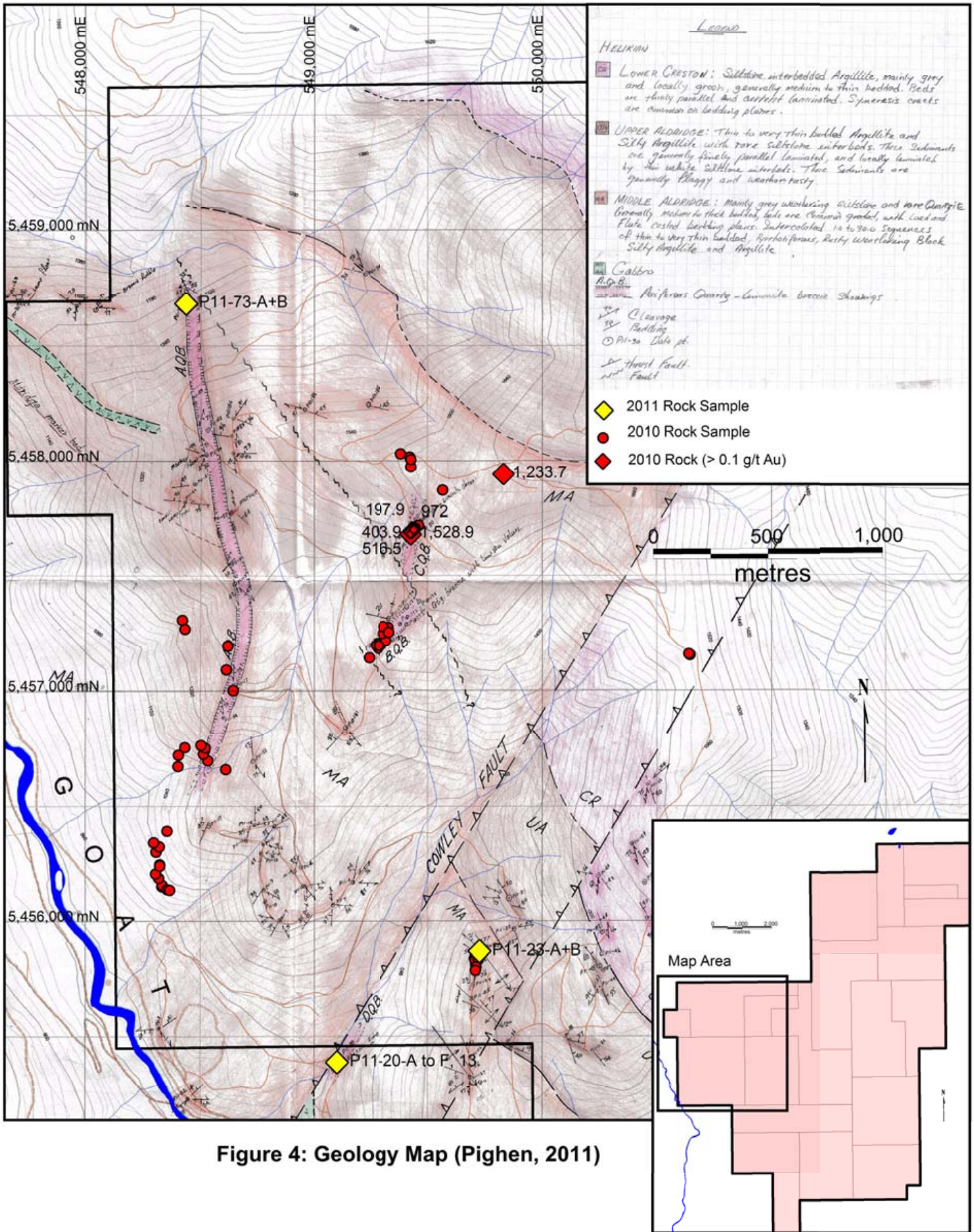


Figure 4: Geology Map (Pighen, 2011)

structures were auriferous. These breccia occurrences are shown on the accompanying map as AQB, BQB and the CQB showings. In 2011 the writer located a quartz limonite breccia structure adjacent to the trace of the Cowley Creek fault, shown on the map as the DQB showing.

4.5.1 AQB Showing

This breccia structure has a minimum width of 20 meters and is mapped continuously for 2.5 kms. The structure strikes north and is vertical to steeply dipping. The breccia consists of 10% to 20% quartz as matrix to highly sericitized and chloritized sedimentary clasts, with late hairline veinlets of chlorite and sericite that cut matrix and clasts. The breccia is mineralized by weakly disseminated pyrite, limonite and pyrolusite. Pyrite is abundant locally in association with intense chloritization. Prospectors sampled the south end of the AQB breccia and did not find any significant Au values. The north end of this structure appears to be cut by a NW trending fault. This is important because these NW trending faults in the belt basin are commonly auriferous. The writer has grab sampled this structural intersection and all samples grade below detection limit for gold (< 0.1 g/t Au).

4.5.2 BQB Showing

This showing consists of one outcrop of intensely brecciated and silicified sediments. The brecciated outcrop is approx 4x4 meters in size and is open along strike and on the FW and HW. A float train consisting of boulders of breccia similar to the outcrop forms a NE trending float train 300 meters long. Prospectors reported grab samples taken from the outcrop and float returned significant Au values. The writer does not have the assays at hand.

4.5.3 CQB Showing

The showing consists of a 1.0 meter thick vertical quartz vein associated with a limonitic - chloritic shear zone, approximately 200 meters wide with scattered lenses of limonite and quartz breccia. Prospectors report that one grab sample from this showing ran up to 1 g/t Au. Note: the writer has not seen the assays.

4.5.4 DQB Showing

Is a limonite-quartz breccia occurrence located along the trace of the Cowley Creek fault. The breccia zone is only partly exposed for 4 meters along the edge of the road. The breccia hosts abundant limonite, pyrolusite and pyrite. All samples taken by the author graded below detection limit for gold (< 0.1 g/t Au).

5.0 2011 Exploration

From May 23 to 27, 2011 Dave Pighin of Cranbrook, B.C. conducted a program of geological mapping in the Crowley Creek area of the Property. A total of 10 grab samples were taken prospective for gold mineralization (Figure 4). Sample descriptions are located in Appendix A. Analytical results for the samples are found in Appendix B. Results from the geological mapping are discussed in Section 4.

Samples were shipped to Acme Analytical Laboratories Ltd. (Acme) for analyses. Acme, fully accredited under ISO 9002, is located at 852 East Hastings St., Vancouver, BC. Preparation and analyses of samples at the lab are summarized below:

Type	Method Code	Procedure
Rock prep	R200-250	Crush, split and pulverize 250 g rock to 200 mesh .
30-element ICP	1EX	4 Acid digestions ICP-MS analyses.

Table 2: Analytical Methods - Acme Lab

The Cowley Creek area is coincident with a large magnetic feature outlined by the 1995 Government Aeromagnetic Survey (Figure 5).

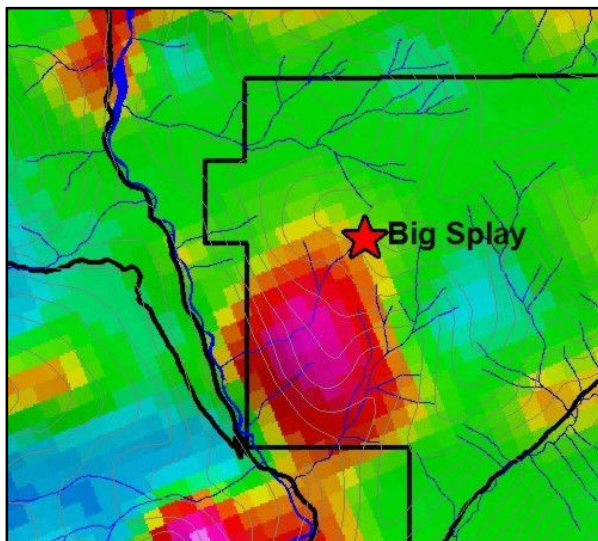


Figure 5: Magnetics (1VD) of the Cowley Creek Area

6.0 Conclusions and Recommendations

Preliminary prospecting and geological mapping in the Cowley Creek area has located at least two potentially auriferous breccia structures. Mapping has identified a new and significant fault structure (Cowley Creek) that can be correlated to the auriferous Perry Creek fault system located NW of Cowley Creek area. Samples taken in 2011 failed to have any significant gold associated with them. Samples taken from previous prospecting surveys found rock samples containing gold up to 1.5 g/t Au.

A program of soil geochemistry and trenching is recommended for the next stage of exploration in the area. The next program is estimated to cost \$20,000. Work is currently underway.

7.0 Statement of Expenditures

Item	Description		Total
Geology	3 days-D. Pighin	\$	5,040.00
Analytical	Acme Labs	\$	226.19
Report Writing	L. John Peters	\$	1,500.00
Management		\$	676.62
Total		\$	7,442.81

Table 3: Statement of Expenditures

8.0 References

Brown, D.A. et al 2011: Geological Map of the Grassy Mountain Mapsheet (NTS 82F08), BCGS Open File 6309.

Geological Survey of Canada, Open File 2784, 1995, Aeromagnetic total field map, Cranbrook area, British Columbia.

Hoy, T., 1982: The Purcell Supergroup in southeastern British Columbia: Sedimentation, tectonics, and stratiform lead-zinc deposits, in Precambrian Sulfide Deposits, H.S. Robinson Memorial Volume, R.W. Hutchinson, C.D. Spence, and J.M. Franklin, eds., Geological Association of Canada, Special Paper 25.

Hoy, T., 1993: Geology of the Purcell Supergroup in the Fernie West-half map area, southeastern British Columbia: B.C. Ministry of Energy, Mines and Petroleum Resources, Bulletin 84.

Kennedy, C., 2008: Soil Geochemistry Report, Big Kahuna and BK Mineral Claims. ARIS Assessment Report #30867.

9.1 AUTHOR'S STATEMENT OF QUALIFICATIONS – L. John Peters

I, **L. John Peters, P.Geo** do hereby certify that:

- a. I am a consulting geologist with addresses at 6549 Portland Street, Burnaby, BC, Canada, V5E 1A1.
- b. I graduated with a Bachelor of Science degree (Geology) from the University of Western Ontario in 1984.
- c. I am a Professional Geoscientist (P.Geo.) in good standing with the Association of Professional Engineers and Geoscientists of British Columbia (#19010).
- d. Since my graduation from university, I have worked as an exploration geologist in Canada, United States, Chile, West Africa and Greenland for 25 years and as a mine geologist in British Columbia for 4 years.
- e. I am responsible for the preparation of the technical report titled "Assessment Report on the Big Kahuna Property" and dated 19 August 2011 relating to the Big Kahuna Property. I represent Fjordland as Exploration Manager.
- f. I was not involved in any of the historic work programs on the Big Kahuna Property, however, I have been involved in all aspects of Fjordland's exploration activities on the Property since 2010.
- g. I am not aware of any material fact or material change with respect to the subject matter of the Technical Report that is not reflected in the Technical Report, the omission to disclose which makes the Technical Report misleading.

Dated this 19th day of August 2011.

"Signed: L. John Peters, PGeo"

Lawrence John Peters
Exploration Manager
Fjordland Exploration Inc

9.2 AUTHOR'S STATEMENT OF QUALIFICATIONS – David L. Pighin, P.Geo

I, **D.L. Pighin, P. Geo.** do hereby certify that:

- a) I am currently a self employed consulting geologist whose office is at Hidden Valley Road, Cranbrook, BC; mailing address 301 8th St. S., Cranbrook, BC, Canada V1C 1P2.
- b) I am a member of the Association of Professional Engineers and Geoscientists of the Province of British Columbia (#20831).
- c) I have been actively involved in mining and exploration geology for the past 45 years.
- d) I was employed by Cominco Ltd. for 24 years, first as a prospector, then as an exploration technician, and finally as an exploration geologist.
- e) Since 1989 I have worked for numerous junior exploration Companies.
- f) I have worked as an exploration geologist in BC, the Yukon, the NWT, New Brunswick, in most of the western United States and Mexico.
- g) I have designed and managed numerous Diamond Drill programs small and large (+2 million dollars).
- h) I have planned and managed numerous exploration programs designed to find deposits of Base Metals, Tungsten, Moly, Gold, Diamonds and Rare Earth metals.
- i) I am responsible for the preparation of Section 4 of the technical report titled "Assessment Report on the Big Kahuna Property" and dated August 19, 2011 relating to the Big Kahuna property. I have based this report on field observations from geological mapping, logging and rock sampling from the 2011 exploration activities.

Dated at Cranbrook, British Columbia, Canada this 19th day of August 2011,

Respectfully submitted

signed:"David Pighin, P.Geo"

David Pighin, P.Geo.
High-Grade Geological Consulting

**Appendix A:
Rock Sample Descriptions**

Sample Descriptions & Coords

Sample Easting Northing Description

P11-20-A	549100	5455398	Micro brecciated, intensely silicified and sericitized siltstone strongly stained by limonite and pyrolusite.
P11-20-13	549100	5455398	Intensely silicified micro brecciated siltstone and/or quartzite cut by late tight fractures filled by limonite after pyrite with some pyrolusite.
P11-20-C	549100	5455398	Intensely silicified chloritic siltstone, some diss. Pyrite with limonite and pyrolusite coating fracture plains.
P11-20-D	549100	5455398	Mainly micro brecciated quartz cut by late fractures filled by limonite, pyrolusite and hematite.
P11-20-E	549100	5455398	Micro brecciated & intensely silicified quartzite and/or siltstone cut by late fracture lined by chlorite-sericite, limonite, pyrolusite & chlorite.
P11-20-F	549100	5455398	Mainly quartzite with limonite and pyrolusite in fractures.
P11-23-A	549728	5455876	Brecciated sericitic phyllite with quartz and matrix, abundant limonite.
P11-23-B	549728	5455876	Silicified, sericitized crackle brecciated siltstone mineralized by limonite and pyrolusite.
P11-73-A	548441	5458688	Brecciated siltstone, white bull quartz matrix, silicified, sericitic and chloritic in part. Pyrite is abundant but only in the clast., Abundant limonite after pyrite.
P11-73-B	548441	5458688	Mainly bull quartz with abundant pyrite, pyrite clasts, and limonite.

**Appendix B:
Laboratory Certificates**



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: Fjordland Exploration Inc.
11th Floor, 1111 Melville Street
Vancouver BC V6E 3V6 Canada

Submitted By: John Peters
Receiving Lab: Canada-Vancouver
Received: July 12, 2011
Report Date: July 26, 2011
Page: 1 of 2

CERTIFICATE OF ANALYSIS

VAN11003097.1

CLIENT JOB INFORMATION

Project: COWLEY CRK
Shipment ID:
P.O. Number
Number of Samples: 10

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	10	Crush, split and pulverize 250 g rock to 200 mesh			VAN
1EX	10	4 Acid digestion ICP-MS analysis	0.25	Completed	VAN

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT Dispose of Reject After 90 days

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

ADDITIONAL COMMENTS

Invoice To: Fjordland Exploration Inc.
11th Floor, 1111 Melville Street
Vancouver BC V6E 3V6
Canada

CC:



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. Acme 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.



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: Fjordland Exploration Inc.
 11th Floor, 1111 Melville Street
 Vancouver BC V6E 3V6 Canada

Project: COWLEY CRK
Report Date: July 26, 2011

Page: 2 of 2 **Part** 1

CERTIFICATE OF ANALYSIS

VAN11003097.1

Method	WGHT	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX
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	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%				
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.01				
P11-20-A	Rock	0.72	0.2	0.6	2.0	3	<0.1	7.8	11.2	53	1.75	<1	1.5	<0.1	8.5	57	<0.1	0.8	0.4	26	0.06			
P11-20-B	Rock	0.96	0.4	2.5	2.7	4	<0.1	4.5	7.6	86	1.97	3	2.0	<0.1	61.6	74	0.1	1.4	0.9	12	0.04			
P11-20-C	Rock	0.74	0.4	2.1	2.5	19	<0.1	9.6	11.9	205	1.61	4	1.7	<0.1	11.9	76	<0.1	0.9	0.4	30	0.10			
P11-20-D	Rock	0.60	2.7	1.9	3.0	10	<0.1	11.8	10.6	263	2.33	2	1.2	<0.1	8.9	41	<0.1	2.6	0.5	11	0.04			
P11-20-E	Rock	0.82	0.6	2.2	2.1	12	<0.1	13.6	26.2	282	2.48	3	0.9	<0.1	6.7	52	<0.1	0.9	0.9	16	0.03			
P11-20-F	Rock	1.27	0.5	7.1	2.9	17	<0.1	18.3	16.1	320	2.82	6	0.7	<0.1	7.8	46	<0.1	0.9	0.7	23	0.03			
P11-23-A	Rock	0.74	0.5	2.8	2.5	22	<0.1	12.8	4.5	320	2.02	3	1.7	<0.1	11.7	34	<0.1	1.1	0.2	49	0.03			
P11-23-B	Rock	0.94	1.0	2.3	4.4	8	<0.1	6.6	2.2	28	1.06	7	1.3	<0.1	6.3	34	<0.1	0.8	0.3	24	0.02			
P11-73-A	Rock	1.31	2.0	1.9	5.0	11	<0.1	14.7	37.2	57	3.89	15	1.2	<0.1	6.8	11	<0.1	0.8	1.4	23	0.01			
P11-73-B	Rock	1.90	0.9	0.7	4.3	3	<0.1	8.5	17.1	26	2.66	14	0.7	<0.1	4.6	13	<0.1	0.4	0.8	16	<0.01			

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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 11th Floor, 1111 Melville Street
 Vancouver BC V6E 3V6 Canada

Project: COWLEY CRK
Report Date: July 26, 2011

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CERTIFICATE OF ANALYSIS

VAN11003097.1

Method Analyte Unit	1EX		1EX		1EX		1EX		1EX		1EX		1EX		1EX		1EX		1EX		1EX	
	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S	%	MDL
Rock	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	1	0.1	0.1	0.1	0.1	0.1	1	1	0.1	1	0.1	0.1
Rock	0.020	31.1	17	0.10	134	0.092	4.91	3.047	0.92	0.5	27.7	68	1.1	3.7	3.8	0.2	<1	5	3.5	<0.1	<0.1	
Rock	0.027	27.3	20	0.02	50	0.054	3.75	2.822	0.15	1.0	15.7	55	0.7	5.1	8.7	0.2	<1	2	2.5	<0.1	<0.1	
Rock	0.022	43.7	21	0.29	220	0.128	5.37	2.538	1.23	0.7	40.6	87	1.6	7.7	5.3	0.3	1	6	6.7	0.1	0.1	
Rock	0.019	16.4	13	0.03	64	0.046	2.56	1.769	0.24	1.2	18.6	33	0.9	8.6	5.3	0.1	<1	2	1.9	<0.1	<0.1	
Rock	0.017	16.7	19	0.09	88	0.077	4.47	3.232	0.62	0.5	18.4	37	0.8	3.9	6.8	0.2	<1	3	3.5	<0.1	<0.1	
Rock	0.014	16.3	24	0.10	115	0.098	4.65	4.051	0.82	0.3	24.8	41	1.2	3.4	9.9	0.2	<1	3	5.1	<0.1	<0.1	
Rock	0.026	37.8	28	0.28	493	0.175	6.57	0.414	3.19	1.6	46.3	78	3.3	6.2	7.3	0.4	2	10	22.2	<0.1	<0.1	
Rock	0.013	26.0	16	0.14	190	0.120	3.91	0.880	1.43	0.7	31.3	50	1.3	4.7	4.0	0.2	1	5	10.5	<0.1	<0.1	
Rock	0.024	19.6	18	1.05	106	0.066	2.94	0.027	0.97	0.7	27.6	39	1.2	3.5	4.6	0.2	<1	4	10.1	0.3	0.3	
Rock	0.027	51.4	12	0.13	74	0.037	1.45	0.030	0.64	0.2	14.5	100	0.7	3.8	3.2	<0.1	<1	4	1.8	<0.1	<0.1	

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CERTIFICATE OF ANALYSIS

VAN11003097.1

Method	Analyte	Unit	1EX	
			Rb	Hf
	MDL	ppm	ppm	ppm
P11-20-A	Rock	0.1	46.5	0.8
P11-20-B	Rock	0.1	8.1	0.4
P11-20-C	Rock	0.1	71.4	1.1
P11-20-D	Rock	0.1	14.6	0.5
P11-20-E	Rock	0.1	27.4	0.5
P11-20-F	Rock	0.1	21.3	0.7
P11-23-A	Rock	0.1	173.9	1.5
P11-23-B	Rock	0.1	74.2	0.9
P11-73-A	Rock	0.1	41.3	0.9
P11-73-B	Rock	0.1	27.4	0.4



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QUALITY CONTROL REPORT

VAN11003097.1

Method	WGHT	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX				
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	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%												
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01												
REP P11-20-B	QC	0.4	3.1	2.8	4	<0.1	4.2	7.7	87	1.97	3	2.0	<0.1	60.4	74	0.1	1.3	0.8	12	0.05												
Core Reject Duplicates																																
P11-20-B	Rock	0.96	0.4	2.5	2.7	4	<0.1	4.5	7.6	86	1.97	3	2.0	<0.1	61.6	74	0.1	1.4	0.9	12	0.04											
DUP P11-20-B	QC	0.2	1.1	2.7	4	<0.1	4.3	7.8	84	1.94	2	2.1	<0.1	59.7	74	<0.1	1.2	0.7	12	0.06												
Reference Materials																																
STD OREAS24P	Standard	1.1	44.7	2.8	98	<0.1	137.6	43.4	1027	7.22	<1	0.7	<0.1	2.7	360	0.2	0.1	<0.1	157	5.39												
STD OREAS24P	Standard	1.5	53.7	2.9	121	<0.1	153.8	48.4	1146	8.21	2	0.7	<0.1	3.0	412	0.1	0.2	<0.1	166	6.15												
STD OREAS45C	Standard	2.3	593.2	25.5	72	0.3	322.3	100.7	1105	17.21	10	2.4	<0.1	11.5	33	0.4	0.7	0.2	239	0.47												
STD OREAS45C	Standard	2.2	647.3	22.7	82	0.3	354.1	107.3	1229	18.47	12	2.2	<0.1	11.0	43	<0.1	0.8	0.2	280	0.49												
STD OREAS24P Expected		1.5	52	2.9	119	0.06	141	44	1100	7.53	1.2	0.75		2.85	403	0.15	0.09		158	5.83												
STD OREAS45C Expected		2.26	620	24	83	0.28	333	104	1160	18.33	10.1	2.4	0.045	10.2	36.4	0.15	0.79	0.21	270	0.482												
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.2	<1	<0.01	<1	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01												
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.2	<1	<0.01	<1	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01												
Prep Wash																																
G1	Prep Blank	<0.01	0.2	1.6	18.2	44	<0.1	1.6	4.0	715	2.17	1	2.5	<0.1	8.0	750	<0.1	0.2	<0.1	47	2.31											
G1	Prep Blank	<0.01	0.3	1.6	17.3	42	<0.1	1.5	3.9	727	2.27	<1	2.8	<0.1	8.9	754	<0.1	<0.1	<0.1	47	2.34											

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QUALITY CONTROL REPORT

VAN11003097.1

Method	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX
Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	1	0.1
REP P11-20-B	0.026	26.9	20	0.02	49	0.067	3.80	2.869	0.16	0.5	20.7	55	0.7	5.8	11.5	0.2	<1	3	2.8	<0.1
Core Reject Duplicates																				
P11-20-B	0.027	27.3	20	0.02	50	0.054	3.75	2.822	0.15	1.0	15.7	55	0.7	5.1	8.7	0.2	<1	2	2.5	<0.1
DUP P11-20-B	0.027	27.4	20	0.02	49	0.065	3.89	2.890	0.16	0.8	16.1	57	0.5	5.5	10.5	0.1	<1	3	2.3	<0.1
Reference Materials																				
STD OREAS24P	0.128	17.4	174	3.84	259	0.963	7.32	2.278	0.63	0.4	131.1	34	1.5	18.4	17.4	1.1	1	19	8.5	<0.1
STD OREAS24P	0.148	19.8	187	4.20	302	1.100	7.77	2.538	0.70	0.4	137.4	37	2.0	24.4	19.9	1.1	1	21	7.8	<0.1
STD OREAS45C	0.051	25.6	974	0.24	279	1.204	7.15	0.108	0.35	1.0	156.9	50	2.6	10.8	19.5	1.5	1	55	18.9	<0.1
STD OREAS45C	0.056	27.8	921	0.29	290	1.213	7.78	0.107	0.35	1.0	170.9	52	3.1	13.9	22.7	1.4	<1	63	16.3	<0.1
STD OREAS24P Expected	0.136	17.4	196	4.13	285	1.1	7.66	2.34	0.7	0.5	141	37.6	1.6	21.3	21	1.04		20	8.7	
STD OREAS45C Expected	0.051	26.2	962	0.25	270	1.1313	7.59	0.097	0.36	1.06	169.7	54	2.9	12.9	23.05	1.43		59.03	15.69	0.021
BLK	<0.001	<0.1	<1	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1
BLK	<0.001	<0.1	<1	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1
Prep Wash																				
G1	0.081	24.3	3	0.47	1066	0.221	7.51	2.870	3.14	<0.1	9.7	53	1.3	11.9	22.5	1.2	3	4	32.8	<0.1
G1	0.079	25.0	6	0.49	972	0.216	7.36	2.851	3.02	0.2	10.0	54	1.4	11.8	22.5	1.3	3	4	30.8	<0.1

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QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	1EX	1EX
		Rb ppm	Hf ppm
REP P11-20-B	QC	8.3	0.5
Core Reject Duplicates			
P11-20-B	Rock	8.1	0.4
DUP P11-20-B	QC	8.5	0.5
Reference Materials			
STD OREAS24P	Standard	17.9	3.2
STD OREAS24P	Standard	20.6	3.5
STD OREAS45C	Standard	20.5	4.6
STD OREAS45C	Standard	23.4	4.1
STD OREAS24P Expected		22.4	3.6
STD OREAS45C Expected		24	4.27
BLK	Blank	<0.1	<0.1
BLK	Blank	<0.1	<0.1
Prep Wash			
G1	Prep Blank	104.8	0.5
G1	Prep Blank	103.9	0.6