

Ministry of Energy and Mines  
BC Geological Survey

Assessment Report  
Title Page and Summary

TYPE OF REPORT [type of survey(s)]: Prospecting

TOTAL COST: 4500

AUTHOR(S): Warren Johnson

SIGNATURE(S): Warren Johnson

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): N/A

YEAR OF WORK: 2019

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S): 5747749

PROPERTY NAME: Kalum West

CLAIM NAME(S) (on which the work was done): Kalum West 1041116

COMMODITIES SOUGHT: Au, Ag

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN: Unknown at this time

MINING DIVISION: Skeena

NTS/BCGS: \_\_\_\_\_

LATITUDE: 54 ° 45 ' 39 " LONGITUDE: -128 ° 55 ' 47.8 " (at centre of work)

OWNER(S):

1) Warren Johnson

2) \_\_\_\_\_

MAILING ADDRESS:

12031 61st Street Edmonton AB T5W 4B2

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

1) Warren Johnson

2) \_\_\_\_\_

MAILING ADDRESS:

12031 61st Street Edmonton AB T5W 4B2

PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):

N/A

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: N/A

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
<b>GEOLOGICAL</b>			
Ground, mapping	_____	_____	_____
Photo interpretation	_____	_____	_____
<b>GEOPHYSICAL (line-kilometres)</b>			
Ground			
Magnetic	_____	_____	_____
Electromagnetic	_____	_____	_____
Induced Polarization	_____	_____	_____
Radiometric	_____	_____	_____
Seismic	_____	_____	_____
Other	_____	_____	_____
Airborne			
_____			
<b>GEOCHEMICAL</b> (number of samples analysed for...)			
Soil	_____	_____	_____
Silt	_____	_____	_____
Rock	_____	_____	_____
Other	_____	_____	_____
<b>DRILLING</b> (total metres; number of holes, size)			
Core	_____	_____	_____
Non-core	_____	_____	_____
<b>RELATED TECHNICAL</b>			
Sampling/assaying	_____	_____	_____
Petrographic	_____	_____	_____
Mineralographic	_____	_____	_____
Metallurgic	_____	_____	_____
<b>PROSPECTING (scale, area)</b>	300 m2	1041116	\$4500
<b>PREPARATORY / PHYSICAL</b>			
Line/grid (kilometres)	_____	_____	_____
Topographic/Photogrammetric (scale, area)	_____	_____	_____
Legal surveys (scale, area)	_____	_____	_____
Road, local access (kilometres)/trail	_____	_____	_____
Trench (metres)	_____	_____	_____
Underground dev. (metres)	_____	_____	_____
Other	_____	_____	_____
<b>TOTAL COST:</b>			\$4500

**Assessment Report for the Prospecting of the  
Kalum West Claim 2019**

**SKEENA MINING DIVISION**

Tenure Number:

1041116

Center of work:

54 45' 39"N -128 55' 47.8W

Owner: Warren Johnson

Operator: Warren Johnson

12031 61st Street NW

Edmonton AB

T5W 4B2

Report by:

Warren Johnson

Submitted: 6 Nov 2019

## **Table of Contents**

<b>Summary.....</b>	<b>1</b>
<b>Geology .....</b>	<b>1</b>
<b>Historical Work .....</b>	<b>1</b>
<b>Location and Access.....</b>	<b>2</b>
<b>Personnel and dates of Work.....</b>	<b>3</b>
<b>Mineral Tenure.....</b>	<b>3</b>
<b>2019 Visit.....</b>	<b>4</b>
<b>Costing.....</b>	<b>7</b>
<b>Conclusions and Recommendations.....</b>	<b>7</b>
<b>Statement of Qualifications.....</b>	<b>8</b>
<b>Listing of Reports Consulted.....</b>	<b>8</b>

## **List of Figures,**

Figure 1 - Location of Property

Figure 2 - Kalum West area divisions

Figure 3 - Location of Northern samples taken from Kalum West Property

Figure 4 - Location of Southern samples taken from Kalum West Property

## **Summary,**

This report summarizes the field exploration of part of the Kalum West property centered approximately 32km Northwest from Terrace BC. The Claim was acquired in 2016 and preliminary research on the area was done with historical research online. The area was previously claimed and had some showings that were never fully explored.

The 2019 prospecting program was to ascertain if and where any materials were on the claim and to assess the possible accessibility to the claim. Several possible showings of pyrites and quartz were found with one area having a spot of visible Au in a highly pyritized vein. The main vein areas are broken up by seasonal cycling but seem to run southeast to northwest and for an unknown distance.

This report is in support of Statement of Work (SOW) submitted on 12 July 2019 (Event #5747749). Total Value of the work described in this report is \$4500.00.

## **Geology,**

The Allard showing area is underlain by granodiorite of the Cretaceous to Tertiary Coast Plutonic Complex. Quartz veins probably carry pyrite, chalcopyrite, and molybdenite.

## **Historical Work,**

In 1968, Rio Tinto Canadian Exploration Limited held the 30 claim Allard claim group on the northeast slope of Mount Allard. Reconnaissance geological mapping was done on the claims and soil and silt samples were sent for analysis.

By 2003, Eagle Plains Resources Ltd. acquired the 500-unit Kalum property to cover the Allard stock, a 4 by 11-kilometre intrusion that has been mapped west of Kitsumkalum Lake. The Kalum property encompasses several historically documented occurrences referred to in their 2003 Assessment Report 27417: Kalum (103I 019), Burn (103I 211), Quartz Silver (103I 018), Misty (103I 213), Chris (103I 174), Martin (103I 020) and Hat (103I 173). Several new discoveries were also described.

In 2004, Eagle Plains Resources Ltd. continued exploration for an intrusive-related gold deposit on its Kalum property. The program comprised a 1500-line kilometer airborne geophysical survey, on-the-ground evaluation of targets and the drilling of 19 holes, totaling 1958 meters. The geophysical survey recovered magnetic and time-domain electromagnetic data.

## Location and Access,

The Kalum West Property is located approximately 32 kms northwest of Terrace BC near Mt. Allard. Access to the property at this time is only available by helicopter from Terrace BC, but with the new logging roads currently being installed, ground access may become available at a later date.

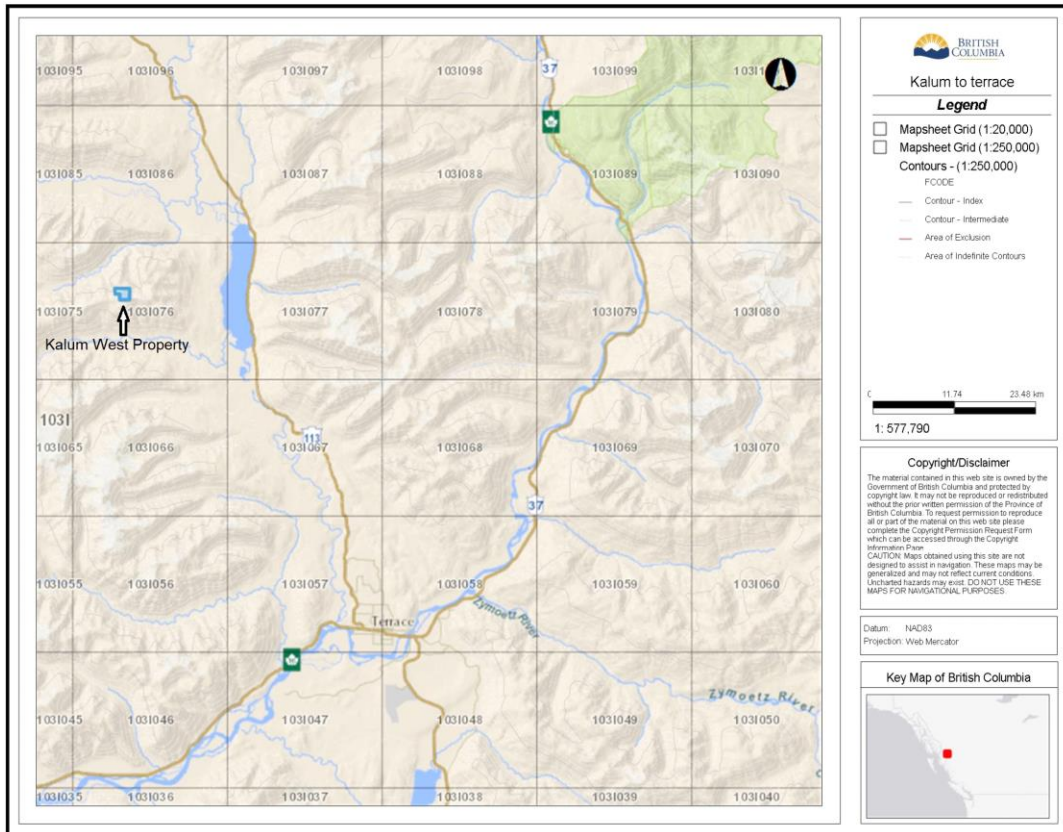


Figure 1 - Location of Kalum West Property

### **Personnel and Dates of Work,**

Warren Johnson visited the property along with Stewart Pearson and a helicopter pilot from Quantum Helicopters Ltd. on 5 July to 6 July 2019.

### **Mineral Tenure,**

Title Number	1041116
Title Type	Mineral (M)
Title Sub Type	Claim (C)
Title Type	Mineral Cell Title Submission (MCX)
Mining Division	Skeena
Good to Date	2021/JAN/09
Issue Date	2016/JAN/09
Claim Name	KALUM WEST
Area in Hectares	93.27

## 2019 Visit,

On 4 July 2019, a ground access search was performed consisting of driving up the West Kalum Forest Service Road (FSR) to locate current, old and abandoned logging roads going up towards the claim area. While in the area a forestry agent was encountered who had information on a new logging road that was under construction for the 2019-2021 seasons on the North side of Mt Allard. Several trails/abandoned roads were traveled by atv and foot, but none were found to get to the claim area. Returned to town and arranged a flight to the claim on 5 July 2019 with a return flight on 6 July 2019.

On 5 July 2019 Flew up to the claim and proceeded to search for sites of note on the claim, of which six were sampled but not assayed. The following is a summary of the notes on site:

\*Pictures of sites were not taken due to camera batteries being dead.

\*Samples were pulled with either a pickaxe and/or prospectors hammer from the surface. Containers used were either small one-gallon buckets with snap on lids or one-litre coffee cans with screw on lids. Each sample was labeled with location and sample number for later identification and taped shut.

Ore Prospecting/Sampling done at six sites on the East side of the claim in cells three and five (see maps)

Site 1: Ground area collection at 54 45' 36.9 -128 55' 54.9. Sample size is 5lbs of quartz in host rock with minor mineralization and iron staining. Sample testing is ongoing with this sample being low priority. Site is on the side of a rock outcropping with broken rock all around.

Site 2: Ground area collection at 54 45' 43.4 -128 55'50.8. Sample size is 22lbs of highly mineralized host rock and quartz with mineralization with pyrites and iron staining. Testing is ongoing with this site having high priority. Site is at the base of a rock outcropping

Site 3: Ground area collection at 54 45' 30.1 -128 55' 56.9. Sample size is 14lbs of host rock and quartz showing mineralization with pyrites and iron staining. Testing is ongoing with this site having high priority. Site is on a long rock face in the ground with fractures and deep cracking, suspect a fault line is in this area.

\*Warning\* area has many large open cracks that can easily catch feet/legs, mind footing in this area.

Site 4: Ground area collection at 54 45' 47.5 -128 55' 39.4. Sample size is 30lbs of host rock and highly mineralized quartz. Large amount of pyrites and iron staining/rust pockets and some visible metals. This area is to be tested first upon return with a larger



sample to be taken. Shows very high promise as the location is on a vein of quartz approximately 33cms wide running east to west and of unknown depth and length at this time. More time needs to be spent on this location. Site is on top of a low rising rock face and has broken rock from above falling down the mountainside towards the area.

*\*Warning\** Due to the nature of the area above care needs to be taken on this site.

Site 5: Minor ground area collection at 54 45' 53.0 -128 55' 43.9. Sample size is 2lbs of host rock with iron staining. This site has low priority at this time

Site 6: Minor ground area collection at 54 45' 58.3 -128 55' 46.8. Sample size is 10lbs of host rock with iron staining. This site has low priority at this time

#### Summary:

Prospecting work was done over the course of two days, with six samples with a total weight of 83lbs. Assay results for samples from sites 3 and 4 are recommended.

Report prepared by:

Johnson Warren Edward; Claim Owner

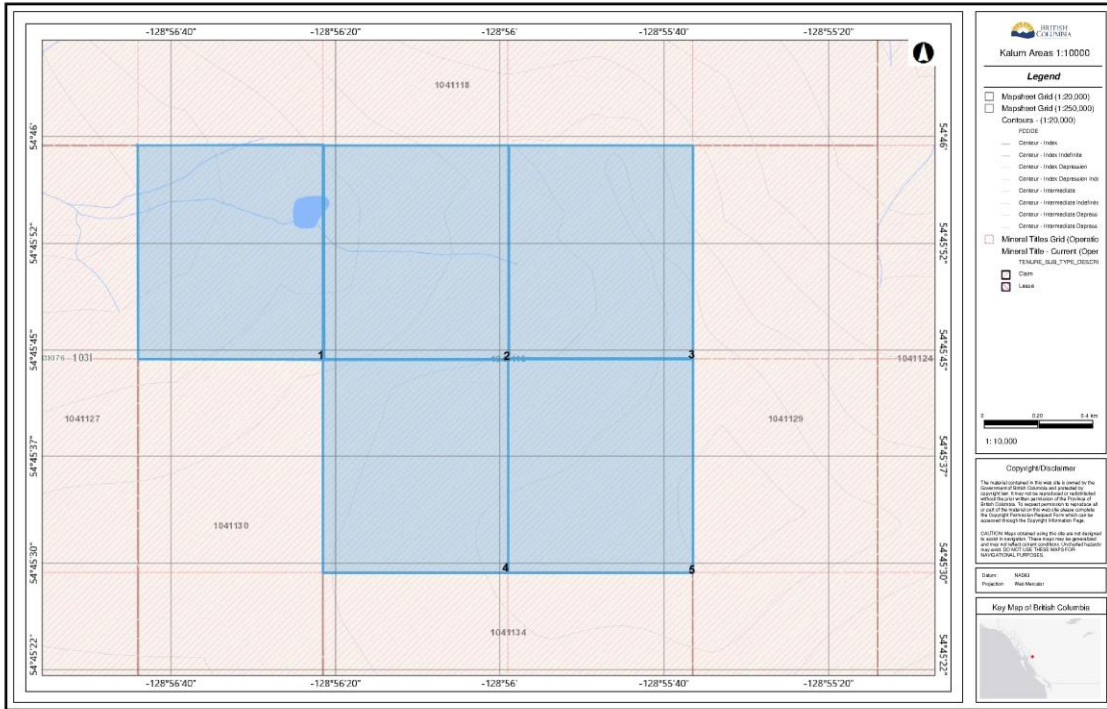


Figure 2 - Kalum West area divisions

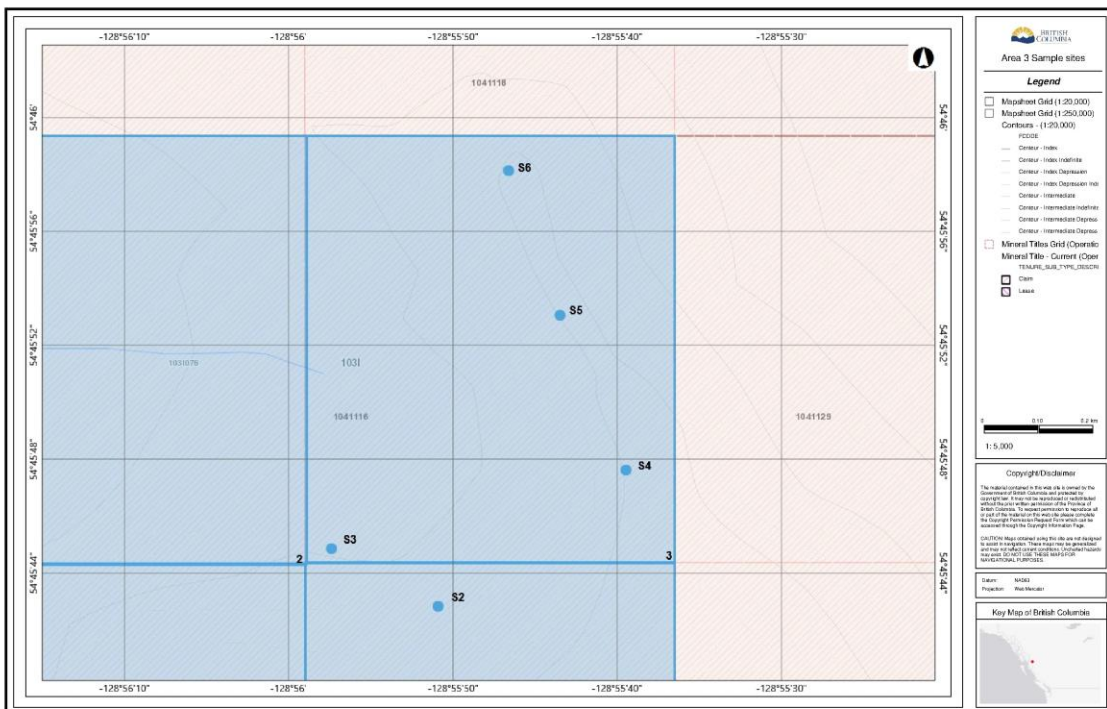


Figure 3 - Location of Northern samples taken from Kalum West Property

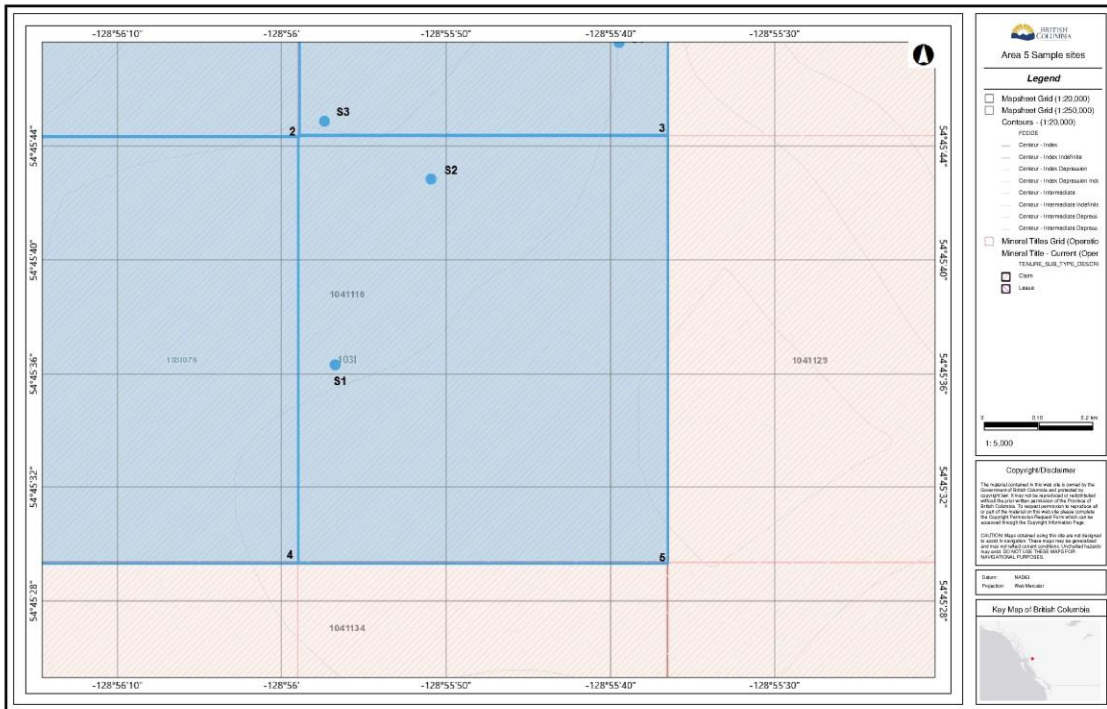


Figure 4 - Location of Southern samples taken from Kalum West Property

## Costing,

Helicopter flights; \$1200

Food; \$350

Accommodations; \$450

Fuel (Transport) \$1500

Fuel (Exploration) \$120

## Conclusions and Recommendations,

While the area remains difficult to access at this time, the area does show good promise for future exploration in 2020 and beyond. Sites 2,3 and 4 all have a good chance of producing and should be the focus of the next prospecting trips with the goal being a bulk sample for assaying of not less than 50kg per site.

Also, future endeavors should be made to access by ground as the costs of material movement will drastically be reduced and better sampling equipment will be able to access the site.

**Statement of Qualifications,**

Warren Johnson, FMC

I am the Claim Owner with a current address of 12031 61st Street, Edmonton, Alberta, Canada, T5W4B2.

Stewart Pearson, PAL

Bought along as an animal safety member in the case of a large predator encounter while on the mountain. Did not partake in any mining/prospecting activity.

Dated this 06 November 2019

Warren Johnson

**List of reports consulted for reference,**

<http://minfile.gov.bc.ca/Summary.aspx?minfilno=103l++151>

Contains history and geology data

[https://aris.empr.gov.bc.ca/search.asp?mode=repsum&rep\\_no=27417](https://aris.empr.gov.bc.ca/search.asp?mode=repsum&rep_no=27417)

[https://aris.empr.gov.bc.ca/search.asp?mode=repsum&rep\\_no=27892](https://aris.empr.gov.bc.ca/search.asp?mode=repsum&rep_no=27892)

[https://aris.empr.gov.bc.ca/search.asp?mode=repsum&rep\\_no=36478](https://aris.empr.gov.bc.ca/search.asp?mode=repsum&rep_no=36478)

Past reports on or near the Claim site