



Ministry of Energy & Mines  
Energy & Minerals Division  
Geological Survey Branch

**ASSESSMENT REPORT  
TITLE PAGE AND SUMMARY**

TITLE OF REPORT [type of survey(s)] PROSPECTING TOTAL COST \$2150<sup>00</sup>

AUTHOR(S) CRAIG KENNEDY SIGNATURE(S) Craig Kennedy

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S) \_\_\_\_\_ YEAR OF WORK 2019

STATEMENT OF WORK - CASH PAYMENT EVENT NUMBER(S)/DATE(S) Event Number 5773688  
Sept. 26 - Oct. 2 / 2019

PROPERTY NAME RD 1/2 Claim

CLAIM NAME(S) (on which work was done) Tenure 1066473 RD 03-19

COMMODITIES SOUGHT Pb, Zn, Ag

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN NA

MINING DIVISION Fort Steele NTS Map sheets 082F068, 082F069

LATITUDE — ° — ' — " LONGITUDE — ° — ' — " (at centre of work)

OWNER(S) UTM Coordinates 0543750 E / 5499500 N

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

MAILING ADDRESS  
\_\_\_\_\_  
\_\_\_\_\_

OPERATOR(S) [who paid for the work]

1) CRAIG KENNEDY 2) \_\_\_\_\_

MAILING ADDRESS  
2290 DE WOLFE AVE  
KIMBERLEY B.C. VIA 1P5

PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and altitude):  
Lower middle aldrige lithologies, major fault zone and associated fold zones - chlorite, silicification and iron sulphides.

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS —

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
<b>GEOLOGICAL (scale, area)</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 _____			
PROSPECTING (scale, area) _____	1:10,000	Tenure 1066473	19500
<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 <u>REPORT</u>			800-
TOTAL COST			<u>\$2750-</u>

ASSESSMENT REPORT  
**PROSPECTING PROGRAM**

**RED PROPERTY**  
FORT STEELE DIVISION

N.T.S. MAP SHEET 082F.068

UTM COORDINATES 5499500N – 543750E

Work Performed Fall 2019

Owner

Darlene Lavoie  
Kimberley BC

Report By

Craig Kennedy, Prospector  
2290 Dewolfe Ave.  
Kimberley BC V1A 1P5

April 2020

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## Red Property

### PROSPECTING

Craig Kennedy

April 2020

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#### **1.0 INTRODUCTION**

The claim block is made up of overlapping tenures 1041042 and 1066473 owned by Darlene Lavoie of Kimberley.

#### **1.10 LOCATION & ACCESS**

The Red claims are centered near UTM co-ordinates 543750E & 5499500N on map sheet 082.F068. The claims straddle the easterly flowing Redding Creek, a major tributary to the St. Mary River. The claim block can be reached by good two wheel vehicle roads from Kimberley approximately 25 km east of the property.

#### **1.20 HISTORY**

The claims occupy area within the interpreted main Sullivan basin. For that reason the area has seen moderate to heavy surface exploration over the past 100 years by major and junior mining – exploration companies and individuals.

#### **1.30 TOPOGRAPHY**

The property, where prospected is steep with many cliff and talus covered areas. Traverse can be quite challenging with thick brush inhibiting foot travel on gentler slopes. Rock exposure where accessible provides adequate exposure for general interpretation.

#### **1.40 SUMMARY**

Initial prospecting was conducted to find evidence of any potential linkage between the mineralized north-south trending fault structure and a small outcrop of Felsic intrusive at the east boundary of tenure 1066473.








Prospecting indicates alteration consistent with known mineralization does exist from the fault zone to the intrusive. This fact encourages further exploration and understanding.

Figure 1: Regional location map



Figure 2 - Claim Location Map - RD Claims

**Legend**

-  National Parks - Outlined
-  National Parks - Colour Fille
-  Ecological Reserves - Tanta
-  Protected Areas - Tantalis -
-  Recreation Areas - Tantalis
-  Conservancy Areas - Tantal
-  Land Act Primary Parcels - T Filled

Contours - (1:20,000)

FCODE

-  Contour - Index
-  Contour - Index Indefinite
-  Contour - Index Depression
-  Contour - Index Depression Inde
-  Contour - Intermediate
-  Contour - Intermediate Indefinite
-  Contour - Intermediate Depressi
-  Contour - Intermediate Depressi

-  Federal Transfer Lands - Ou
-  Federal Transfer Lands - Co
-  Mineral Titles Grid (Operatic
- Mineral Reserves (Operator
- MTA\_SITE\_ORDER\_RESTR\_C

-  No Registration
-  Conditional
-  Conditional, Release Required
-  Heritage/Historic Site

0 1.02 2.0 km

1: 50,000.00

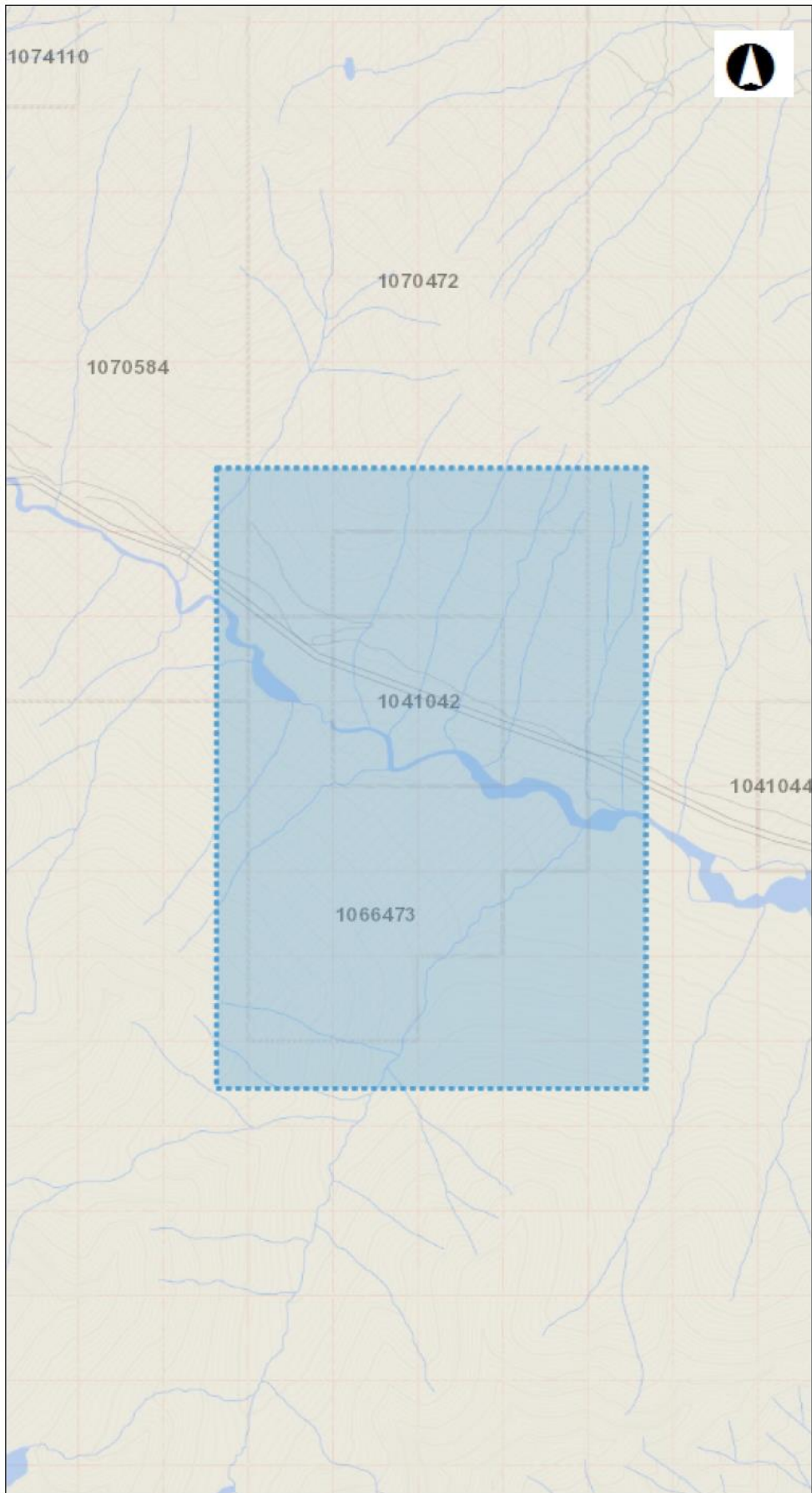
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CAUTION: Maps obtained using this site are not designed to assist in navigation. These maps may be generalized and may not reflect current conditions. Uncharted hazards may exist. DO NOT USE THESE MAPS FOR NAVIGATIONAL PURPOSES.

Datum: NAD83  
Projection: Web Mercator

**Key Map of British Columbia**



## **2.00 PROSPECTING PROGRAM**

Prospecting was conducted on the northeast portion of both tenures 1041042 and 1066473 during the fall of 2019. The Red claim group overlays Lower Middle Aldridge rocks of the Purcell Belt Super Group. The property hosts a wide zone of foliation, fractures and narrow quartz carbonate veins which host anomalous amounts of Pb/Zn mineralization.

The base mineral mineralization is associated with intense sericite, chlorite and carbonate alteration. Also notable is silicification and presumed albitization. The general stratigraphy dips steeply to the east in the mineralized structure and continues steeply dipping in adjacent sediments to the west. Zones of northern trending tight folding are prevalent in the thin bedded top units. One particular area of folding occurs approximately 120 meters east of the core zone of the mineralized fault. This zone was followed for 200 meters uphill and has the same orientation as the fault.

There is the impression that the more prominent north south creek draws may be structures with little or no movement?? This assumption is made based on fault type float material seen in a number of areas. The float material is similar in nature to that seen in the mineralized float zone. Most of the float has silica sericite and iron sulphides, occasional float of chloritized fractured material was also noted. Some of the chloritized float hosts rare Pb, Zn mineralization along fractures.

Another area of interest is where a small felsic plug occurs within a fault which offsets a dio gabbro sill. The sill and plug are quite altered in the area with shearing and narrow quartz veins common. Veins are vuggy and host pyrite with blebs of grey black sulphides. Sheared chunks of iron stained dio gabbro can be traced uphill for 100 meters. Brecciated sheared quartzite outcrops were noted in a couple of areas that host silicification and chlorite with pyrite and/or pyrrhotite. Also noted was float from coarse grained quartz veins. This material had weakly iron stained vugs with large muscovite and/or biotite.

## **3.00 CONCLUSION**

Continued work should focus on discovery of a geological linkage between the mineralized structural zone and the hanging wall felsic intrusive. This work would include detailed contour soil geochemistry in association with the detailed geological mapping. Collected soil samples should also be analyzed for gold.

#### 4.00 STATEMENT OF EXPENDITURES

Prospecting Program  
Red Property

Work performed: Fall 2019

Craig Kennedy - 3 days @ 500/day Sept 26, 28, Oct 2, 2019	\$1500.00
4X4 Vehicle Charge - 3 @ 150/day	450.00
Craig Kennedy - report & maps	<u>800.00</u>
<b>Total:</b>	<b><u>\$2750.00</u></b>

#### 5.00 AUTHOR'S QUALIFICATIONS

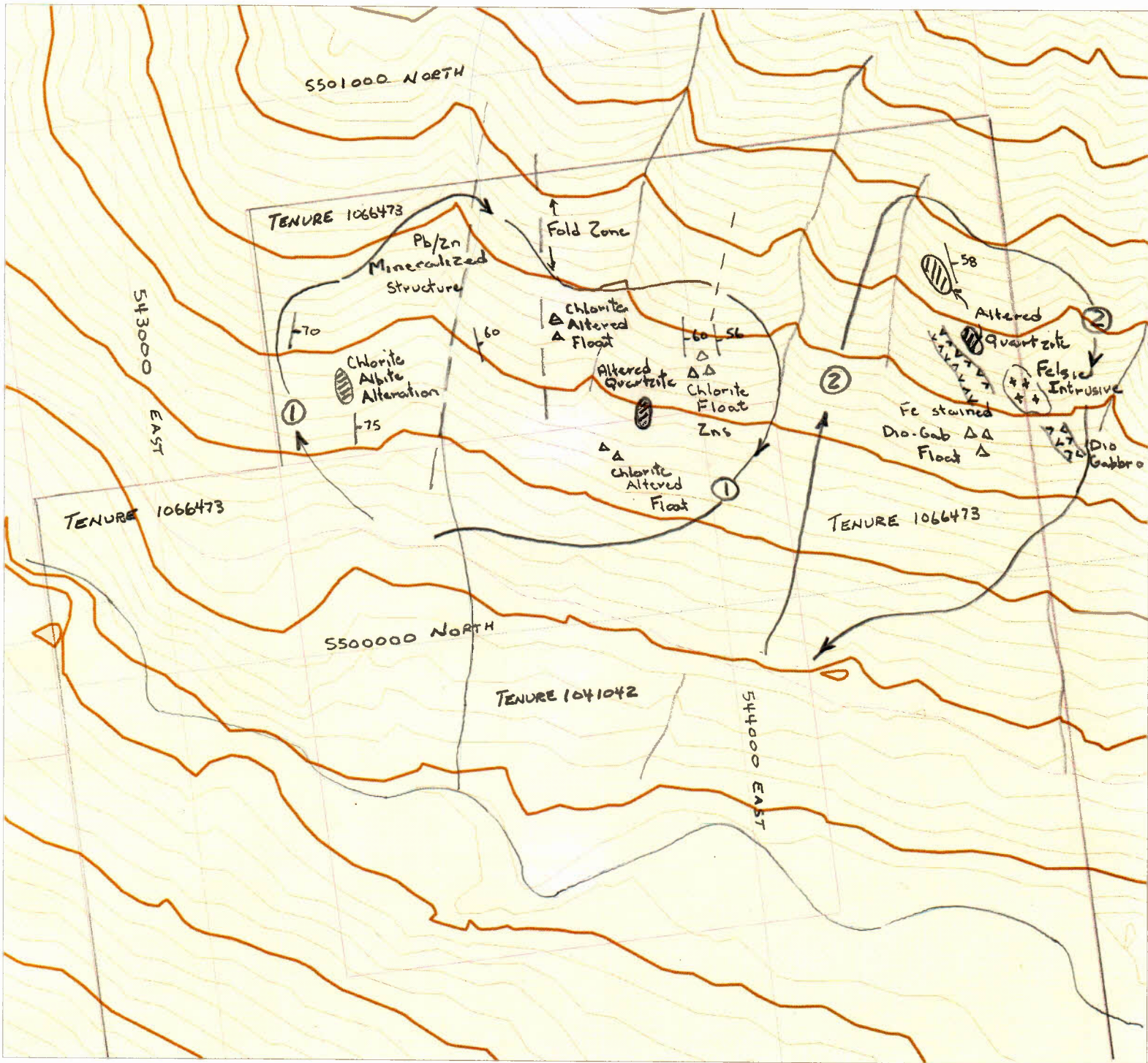
As the author of this report I, Craig Kennedy, certify that:

1. I am an independent prospector residing at 2290 Dewolfe Avenue, Kimberley, BC.
2. I have been actively prospecting in the East and West Kootenays district of BC for the past 42 years and have made my living prospecting for the past 34 years.
3. I have been employed as a professional prospector by major and junior mineral exploration companies.
4. I own and maintain mineral claims in BC and have optioned numerous claims to various exploration companies.

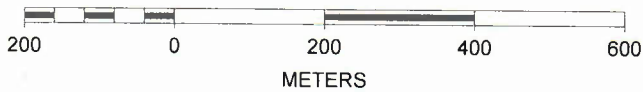
*Craig Kennedy*

Craig Kennedy  
Prospector

# PROSPECTING MAP



SCALE 1 : 10,000



## LEGEND

- ⊙ Alteration Zones
- ⌘ Dio-Gabbro
- ⌘ Intrusive
- ⊕ Felsic Intrusive
- △ Float
- ↔ Prospecting Traverse Routes

N




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## Mineral Titles Online

### Mineral Claim Exploration and Development Work/Expiry Date Change

#### Confirmation

**Recorder:** LAVOIE, DARLENE  
ELIZABETH (132094)

**Submitter:** LAVOIE, DARLENE  
ELIZABETH (132094)

**Recorded:** 2020/FEB/10

**Effective:** 2020/FEB/10

**D/E Date:** 2020/FEB/10

#### Confirmation

If you have not yet submitted your report for this work program, your technical work report is due in 90 days. The Exploration and Development Work/Expiry Date Change event number is required with your report submission. **Please attach a copy of this confirmation page to your report.** Contact Mineral Titles Branch for more information.

**Event Number:** 5773688

**Work Type:** Technical Work  
**Technical Items:** Prospecting

**Work Start Date:** 2019/SEP/26

**Work Stop Date:** 2019/OCT/02

**Total Value of Work:** \$ 2750.00

**Mine Permit No:** N/A

#### Summary of the work value:

Title Number	Claim Name/Property	Issue Date	Good To Date	New Good To Date	# of Days Forward	Area in Ha	Applied Work Value	Submission Fee
1041042	RD 01-16	2016/JAN/06	2023/JUL/05	2023/JUL/05	0	83.65	\$ 0.00	\$ 0.00
1066473	RD 03-19	2019/FEB/12	2020/FEB/12	2021/Sep/30	596	334.65	\$ 2727.62	\$ 0.00

#### Financial Summary:

**Total applied work value:** \$ 2727.62

**PAC name:** Lavoie

**Debited PAC amount:** \$ 0.0

**Credited PAC amount:** \$ 22.38

**Total Submission Fees:** \$ 0.0

**Total Paid:** \$ 0.0

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