

LOG NO: DEC 23 1993

ACTION:

WOLF CLAIMS.

REDDING CREEK AREA NO:

SOUTHEASTERN BRITISH COLUMBIA

1993 ASSESSMENT REPORT

AUTHOR  
GORDON JOHNSTONE

DATE  
DEC. 3rd 1993

NTS 82F/9W  
LATITUDE 49° 40' N  
LONGITUDE 116° 25' W

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

23,161

FILMED

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# **WOLF CLAIMS**

**1993**

## **ASSESSMENT REPORT**

### **1.00 SUMMARY**

The Wolf mineral property of 15 claims is located 28 kilometers west of Kimberley, B.C., in the FORT STEELE minning division, reference map NTS. 82F / 9W.

The claims cover an area underlain by Helikian age Purcell Supergroup rocks of the Creston and Aldridge Formations. The Aldridge Formation is host to the world class Sullivan Pb-Zn-Ag deposit immediately north of Kimberley, B.C.

Previous work by Cominco Ltd. established the presence of a very strong and extensive lead and zinc soil geochem anomaly within the lower Middle Aldridge Formation rocks on what are now the Wolf claims. Strong base metal values were detected accross the entire one kilometer strike length covered by the geochem survey; the anomaly was apparently not further delineated and remains open to both north and south. One diamond drill hole by Cominco tested a coincident Horizontal Loop EM and Magnetic anomaly in the Creston Formation to the west of the strong base metal geochemistry.

The geochemical anomaly is parallel to both structure and stratigraphy on the property. Northeast oriented steeply-dipping strata are sub-parallel to major and minor fault zones within the claim boundaries. The correlation of favorable base metal geochemistry with both structure and stratigraphy supports the opportunity for structurally-controlled and stratiform base metal deposits.

The Wolf claims represent an excellent base metal exploration target in the favorable Aldridge Formation. An exploration program is warranted to delineate and test specific targets on the property.

## **2.10 LOCATION and ACCESS**

The Wolf property, located 28 Kilometers west of Kimberley, B.C., is accessed by good all-weather roads along the St. Mary River and Redding Creek. The property is on the south facing slopes of Mt. Bonner immediately above the Redding Creek Logging Road and just south of Redding Creek. Current logging activity immediately west of the property should provide improved access to the higher portion of the claims.

## **2.20 PROPERTY**

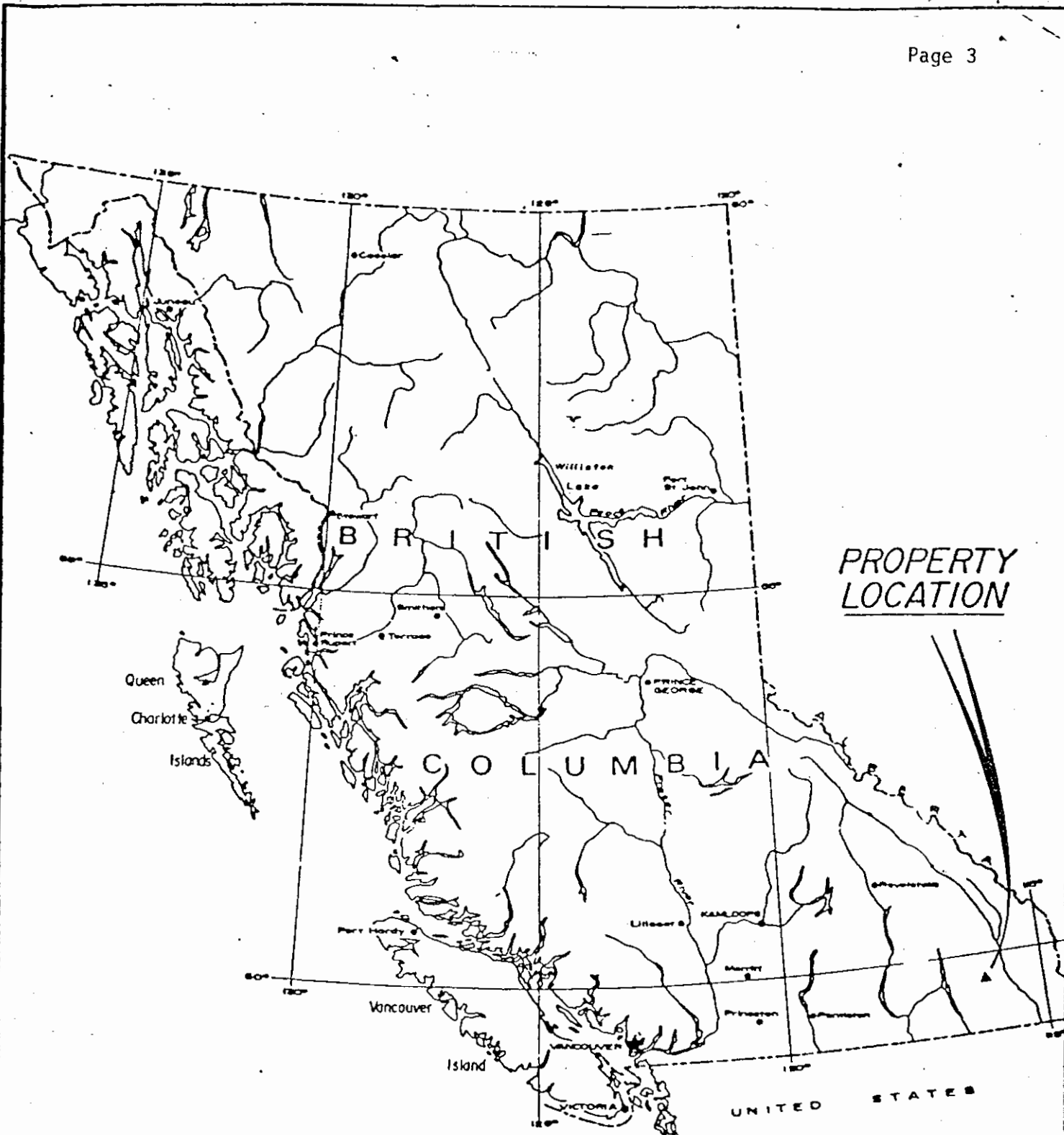
The Wolf property consists of 15 2-post claims, Wolf 1&2 and Wolf 5 to 17, held directly by Gordon Johnstone of Cranbrook, B.C. The Wolf claims were staked in October, 1991, April, 1992 and September, 1992. Their location and configuration is shown in Figure 2 and Appendix 1 is a reference list of the claims.

## **2.30 PREVIOUS WORK.**

The present Wolf claims cover a portion of the former Redd property held by Cominco Ltd. During the middle to late 1980's and in 1990, Cominco explored this area of their Redd claims with geological mapping, grid soil geochemistry, Horizontal Loop EM and Magnetic geophysical surveys, and one diamond drill hole.

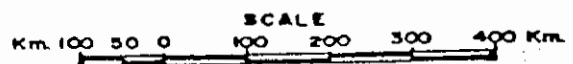
An extensive strong lead-zinc anomaly was identified within the Aldridge Formation extending across the entire one kilometer strike length of their grid. Apparently Cominco did not pursue delineation of this anomaly. HLEM and Magnetic surveys defined bedding and structure - parallel NNE anomalies within the western part of the grid area, roughly coinciding with a fault which separates western Creston Formation from eastern Aldridge Formation

Cominco chose to drill test the best geophysical target which was in the Creston Formation and some distance west of the the strong soil geochem anomaly in the Aldridge Formation. The single drill hole encountered bands of pyrrhotite and patchy magnetite, thereby explaining the geophysics. Subsequently, the lead - zinc mineralization was not tested.



PROPERTY  
LOCATION

Figure 1  
WOLF CLAIMS  
LOCATION MAP



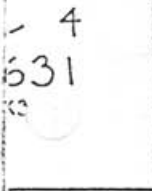
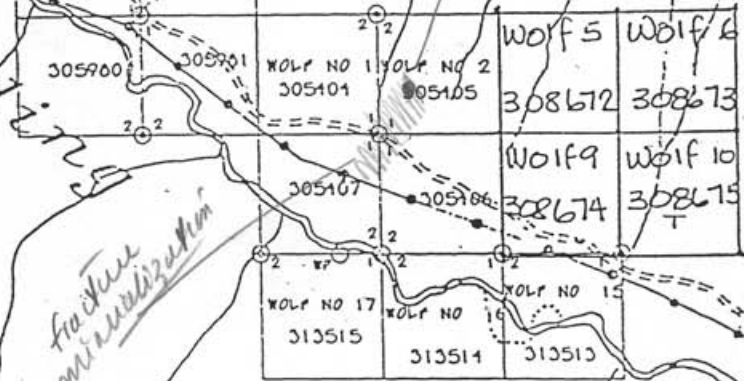
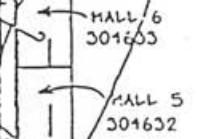
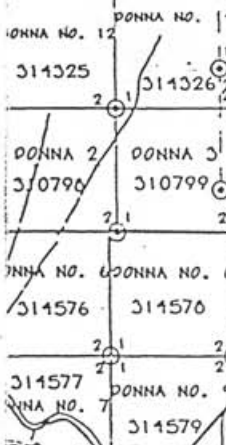
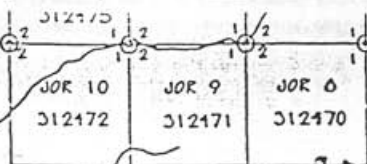
BON I

3239(10)

4N X 5E

MT BONNER

4902(9)  
HALLS FR.



*bedded magenta*

*mill site*

*fracture mineralization*

*Creek*



## 1993 FEILD WORK

### PROSPECTING

The central section of the Wolf claims, from north to south reveals an extensive zone of silver, lead, zinc in fractures. Over a distance of 1500 meters, three outcrops were found each one carrying disseminated silver, lead, zinc. Much of the overburden is stained with zinc oxide.

The west section of the Wolf claims, a body of bedded magnetite was discovered, this magnetite body lies between Aldridge formation and has a gabbro cap over it. North of this body logging skid trails have disclosed magnetite float. Samples were taken, but due shipping mistake analysis were never taken.

The east section of the Wolf claims, float samples were tested with an ultraviolet light, which indicated anomolies in tungsten. One sample taken from a pyrite vein was sent for analysis. Just south of this, a quartz vein with disseminated molybdenum and pyrites was discovered and sampled. To the south of this, a quartz vein with bismuth was sampled. Due to a very wet summer, prospecting was limited to mello slopes.

### DIAMOND DRILLING

One pack sack diamond drill hole was completed on the Wolf claims in 1993. The drill site is located on Figure 3 the Traverse and Sample Map. The hole was drilled to intersect the strike extension of base metal mineralization exposed on the surface. The hole was stopped short of the target at 11.6 meters, due to bad ground conditions. This hole was drilled in chlorite, altered sheared siltstone, healed breccietion and carbonite (dolomite) alteration are present. Minor sulfides as fine disseminated po. occurs in the upper 4.0 meters of the hole. The core was logged by PETER KLEWCHUK, P.Geologist of KIMBERLEY, B.C. The drill log is included in Appendix 3.

### CONCLUSIONS

It is recommended to reestablish Cominco's old grid line and shorten up the grid sampling, in order to promote a diamond drill target. Possibly a trenching program should be considered on the extensive silver, lead, zinc zone. The southern portion of the Wolf claims definately needs further prospecting and sampling to determine the extent of the silver, lead, zinc.

## WOLF CLAIMS

### TRAVERSE NO. 1

GJ 1001 & GJ 1002 Two grab samples taken from rock out crop in creek bottom, creamy to light grey carbonate formation 4 ft. wide with bedded galena and chalcopyrites.

GJ 1003 Grab sample taken from canyon wall in creek bottom, light grey to dark breccia 2 1/2 ft. wide with massive pyrites.

GJ 1004 Grab sample taken from canyon wall in creek bottom, bluish to wite quartzite 16 inches wide with fine grained pyrites and pyrrhotite.

GJ 1005 Grab sample taken from canyon wall in creek bottom, rusty to creamy quartzite 28 inches wide with chalcopyrites and pyrrhotite.



## **WOLF CLAIMS**

### **TRAVERSE NO. 2**

GJ 1006 Grab sample taken from switchback on old road, greenish to black gabbro 30 inches wide with sulfides and limonite.

GJ 1007 Grab sample taken from rock outcrop on old road, rusty red to grey massive breccia zone with disseminated galena and pyrites.

GJ 1008 Grab sample taken from rock outcrop pyrite vein 4 inches wide with mica shist and tungsten.

GJ 1009 Grab sample taken from rock outcrop 2 ft. wide quartz vein with disseminated molybdenum and pyrites.

GJ 1010 Grab sample taken from rock outcrop 2 inch wide quartz vein with bismith.

**ROSSBACHER LABORATORY**

2225 springer Ave. Burnaby, B.C.  
V5B-3N1 PH.604 299-6252

**ICP ANALYSIS**

SAMPLE	PPM MO	PPM CU	PPM PB	PPM ZN	PPM AG	PPM NI	PPM CO	PPM MN	% FE	PPM AS	PPM U	PPM HG	PPM SR	PPM CD
GJ 1001	15	935	1%	526	326.3	61	19	326	15.15	1034	5	nd	13	512
GJ 1002	1	809	2762	6930	9.3	22	5	253	4.98	347	5	nd	2	55
GJ 1004	1	42	246	109	0.6	14	26	71	1.92	12	5	nd	2	1
GJ 1005	1	43	112	43	0.3	24	45	115	2.82	22	5	nd	2	1
GJ 1008	14	447	90	186	0.1	28	125	1870	11.81	60	5	11	5	33
GJ 1009	29000	293	175	370	1.5	52	2	1791	28.84	167	5	40	88	3
GJ 1010	21	141	3910	22	100.0	6	1	194	0.76	9	5	nd	1	9

SAMPLE	PPM SB	PPM BI	PPM V	% CA	% P	PPM LA	PPM CR	% MG	PPM BA	% TI	% AL	% NA	% K	% SI
GJ 1001	277	12	11	0.04	0.06	78	677	0.08	265	0.02	0.91	0.15	0.18	0.02
GJ 1002	5	1	1	0.03	0.01	15	72	0.04	61	0.01	0.31	0.02	0.19	0.04
GJ 1004	1	102	6	0.01	0.01	22	58	0.16	9	0.01	0.37	0.18	0.04	0.08
GJ 1005	1	13	5	0.01	0.01	4	31	0.32	13	0.01	0.55	0.18	0.03	0.09
GJ 1008	111	461	181	0.14	0.02	3	134	2.23	108	0.17	2.36	0.72	1.60	0.09
GJ 1009	481	77	887	0.25	0.38	22	490	5.49	1089	2.65	7.31	0.26	1.80	0.01
GJ 1010	8	4910	3	0.03	0.01	1	102	0.03	4	0.01	0.04	0.01	0.06	0.02

SAMPLE	PPM W	PPM BE	PPB AU
GJ 1001	1	2	30
GJ 1002	1	1	220
GJ 1004	1	1	5
GJ 1005	2	1	5
GJ 1008	1165	2	5
GJ 1009	191	8	5
GJ 1010	24	1	5

**ACME ANALYTICAL LABORATORIES LTD.  
852 E. HASTING'S ST. VANCOUVER, B. C.  
V6A-1R6**

**ICP ANALYSIS**

sample	ppm mo	ppm cu	ppm pb	ppm zn	ppm ag	ppm ni	ppm co	ppm mn	% fe	ppm as	ppm u	ppm th	ppm sr
GJ 1003	1	41	9	84	.7	49	356	298	24.55	90	11	60	7
GJ1006	1	31	5	80	1	19	67	954	14.41	2	5	6	10
GJ 1007	1	66	13100	12843	15.7	26	6	1224	4.09	2	5	9	15

sample	ppm cd	ppm sb	ppm bl	ppm v	% ca	% p	ppm la	ppm cr	% mg	ppm ba	% ti	ppm b	% al
GJ1003	1.4	2	4	179	.28	.147	2	34	3.54	1	.01	2	4.60
GJ 1006	.2	2	2	110	.45	.008	3	38	1.64	45	.21	2	3.56
GJ 1007	102.3	15	2	3	.62	.012	27	13	.15	28	.01	3	.35

sample	% na	% k	ppm w	ppb au
GJ1003	.01	.01	1	6
GJ 1006	.05	1.02	1	24
GJ 1007	.01	.22	1	12

## WOLF CLAIMS

1993

### EXPENDITURES

May 3rd. Two men 8hrs. @ \$18.75 ea. setting up diamond drill and drilling 5 feet ----\$ 300.00  
May 4th. Two men 10hrs. @ \$ 18.75 ea. diamond drilling 25 feet-----\$ 375.00  
May 5th. Two men 8hrs. @ \$ 18.75 ea. diamond drilling 8 feet-----\$ 300.00  
May 6th. Two men 8hrs. @ \$ 18.75 ea. loading diamond drill and cleaning up.-----\$ 300.00  
May 12th. Two men 8hrs. @ \$ 18.75 ea. prospecting Redding Cr. canyon.-----\$ 300.00  
May 23rd. Two men 8hrs. @ \$ 18.75 ea. prospecting Redding Cr. canyon-----\$ 300.00  
May 24th. Two men 8hrs. @ \$ 18.75 ea. prospecting east side of Wolf claims.-----\$ 300.00  
May 29th. Two men 8hrs @ \$ 18.75 ea. prospecting north side of Wolf claims.-----\$ 300.00  
July 17th Two men 8hrs @ \$ 18.75 ea. prospecting Wolf claims -----\$ 300.00

### DIAMOND DRILL COST

38 feet XR. (1/2 " ) @ \$ 19.00 per foot -----\$ 722.00

### TRAVEL EXPENSES.

3/4 ton 4x4 truck 8 days @ \$ 50.00 per day -----\$ 400.00

TOTAL-----\$ 3897.00

**APPENDIX 1. LIST OF CLAIMS**

<b>CLAIM</b>	<b>RECORD</b>	<b>RECORD DATE</b>
Wolf no. 1	305404	Oct. 17 / 91
Wolf no. 2	305405	Oct. 17 / 91
Wolf no. 5	308672	Apr. 16 / 92
Wolf no. 6	308673	Apr. 15 / 92
Wolf no. 7	305978	Oct. 21 / 91
Wolf no. 8	305979	Oct. 21 / 91
Wolf no. 9	308674	Apr. 15 / 92
Wolf no. 10	308675	Apr. 15 / 92
Wolf no. 11	305980	Oct. 21 / 91
Wolf no. 12	305981	Oct. 21 / 91
Wolf no. 13	305406	Oct. 17 / 91
Wolf no. 14	305407	Oct. 17 / 91
Wolf no. 15	313513	Sept. 26 / 92
Wolf no. 16	313514	Sept. 26 / 92
Wolf no. 17	313515	Sept. 26 / 92

## **AUTHOR'S QUALIFICATIONS**

GORDON JOHNSTONE  
1200 2nd Ave. South  
Cranbrook, B.C.  
VIC-2B3 PH. 426-2805

Independent prospector for the past twenty two years

PROPERTY: WOLF

HOLE NO.: W-93-

COMMENCED: 05/03/93                      DISTRICT: FORT STEELE                      COLLAR DIP: -32°  
 COMPLETED: 05/05/93                      LENGTH: 11.6 m                      AZIMUTH: 017°  
 LOGGED BY: P. Klewchuk, P.GEO                      DATE LOGGED: 06/10/93                      CORE SIZE: AX  
 OBJECTIVE: TEST EXTENSION OF Ag-Pb-Zn MINERALIZED ZONE

METERAGE FROM TO	DESCRIPTION	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
0-11.6 m	<p>SHEARED CHLORITIC SILTSTONE: Predominantly medium gray-green, locally more siliceous and light gray. Thin bedded and laminated throughout although bedding is commonly masked by parallel to sub-parallel cleavage. Minor small-scale folding exists locally, probably related to cleavage, with local lensey quartz veins. At a few places, eg. near 5.6 m and near 6.7 m healed breccia texture exists with irregular small patches of white dolomite.</p> <p>Within the top 4.0 m or so, fine disseminated po can be present, locally po is weakly concentrated along cleavage surfaces or bedding planes. Fine-grained dark brown biotite is also locally concentrated in thin lensey cleavage or bedding-parallel trains. Some black grains may be magnetite.</p> <p>Bedding: 40° at 0.5 m; 28° at 1.5 m; 30° at 4.4 m; 42° at 6.7 m; 32° at 8.1 m; 40° at 8.8 m.</p>					
11.6 m	END OF HOLE					
SUMMARY	<p>Hole is entirely in chloritic altered, sheared siltstone. Local silicification, healed brecciation and carbonate (dolomite) alteration are present. Minor sulfide, as fine disseminated po, occurs in the upper ~ 4.0 m of the hole.</p> <p>Core is stored at 1200, 2nd Avenue South, Cranbrook, B.C.</p>					



## AUTHOR'S QUALIFICATIONS

As author of this <sup>drill log</sup> ~~report~~ I, Peter Klewchuk, certify that:

1. I am a geologist employed by Consolidated Ramrod Gold Corp. whose office is at 104 - 135 - 10th Ave. S., Cranbrook, B.C.
2. I am a graduate geologist with a BSc. degree (1969) from the University of British Columbia and an MSc. degree (1972) from the University of Calgary.
3. I am a Fellow in good standing of the Geological Association of Canada.
4. I have been actively involved in mining and exploration geology, primarily in the province of British Columbia, for the past 18 years.
5. I have been employed by major mining companies and provincial government geological departments.

Dated at Cranbrook, British Columbia, this November, 1993.

---

Peter Klewchuk  
P. Geo.





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# WOLF CLAIMS

