095176

GEOLOGICAL & GEOCHEMISTRY REPORT

QUARTZ CLAIMS
CAROL 3-8
YC53501 TO YC53506

LATITUDE 60 DEGREE 13' 11" N
LONGITUDE 135 DEGREE 13' 54" W
NTS MAP 105 D 03

WHITEHORSE MINING DISTRICT
YUKON TERRITORY

REGISTERED OWNER: LARRY BRATVOLD
WORK PERFORMED : JULY 10 & 11 2009
AUTHOR: LARRY BRATVOLD

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INTRODUCTION

The property consists of the Carol 3-8 quartz claims located along a ridge on the north slope of Carbon Hill in the Whitehorse Mining District. They are 60 kilometers south of Whitehorse, Yukon in the Wheaton River valley where Tagish Lake Gold Corp is developing their deposits at Skukum Creek and Goddell Gully on claims adjacent to the Carol claims.

The most commonly exposed lithology on the claims are the rocks of the Nisling Assemblage,consisting of foliated quartz-feldspar-biotite gneiss, biotite schists, and marbles. They are found as roof pendants in granodiorite throughout the central portion of the property. Some exposures show evidence of contact metamorphism, including the development of skarn mineral assemblages.

The property hosts two known exposures of massive sulphide skarn which show an intense metasomatic alteration of the gneiss/marble, with well developed magnetite, specular hematite, pyrrhotite, chalcopyrite, pyrite, galena, quartz, calcite, epidote, and grossular garnet in lenticular skarn zones within the metasediments.

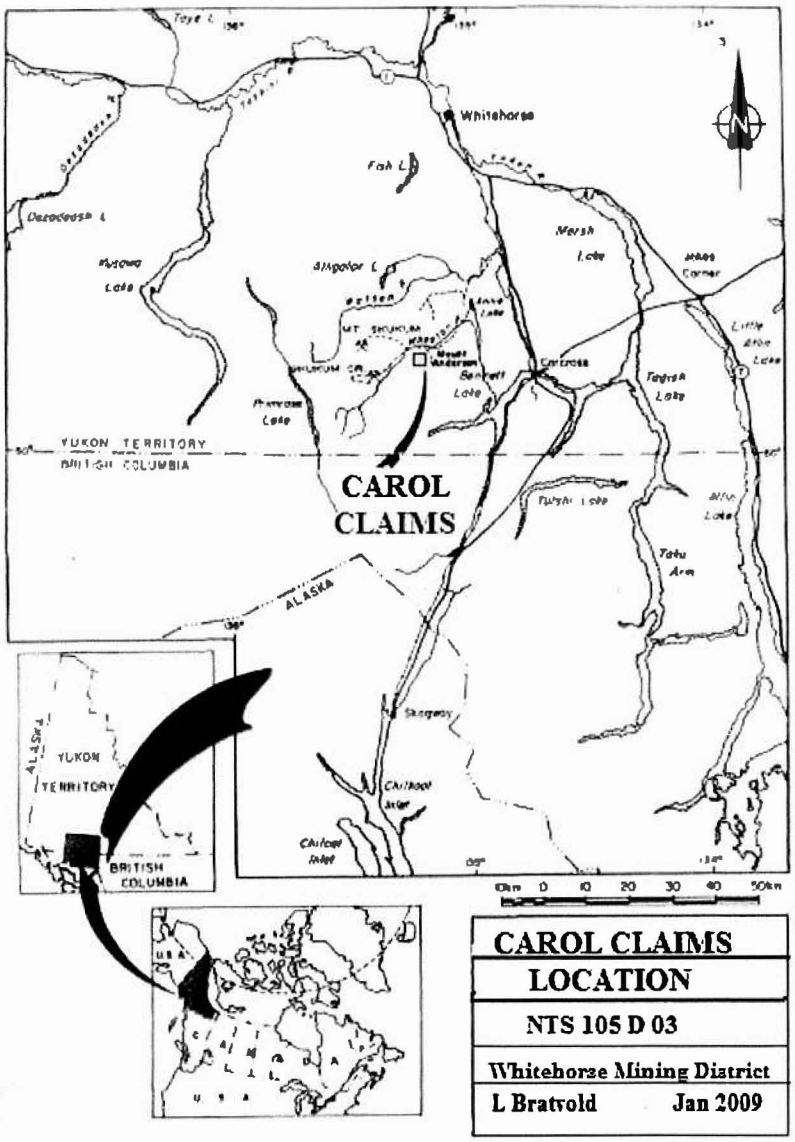
Prospecting by the author in 2007 on the Lampert Zone resulted in assays returning up to 18.78 % zinc. The object of the 2009 program was to revisit this zone and determine if the zinc values extend beyond the 2007 sample areas.

The 2008 sampling and prospecting program was successful in identifying extensions of the known mineralization. Sampling resulted in six of the ten samples returning zinc values over 1% zinc with the highest value being 12.6% zinc.

LOCATION AND ACCESS

The Carol claims are located in the southwestern Yukon Territory approximately 60 kilometers south of Whitehorse. The claims are located on a north facing ridge of Carbon Hill overlooking the Wheaton River valley.

Road access to the property is provided via the Alaska Highway and South Klondike Highway to junction of the Annie Lake road turn thence via the Annie Lake road to the Becker Creek road which strikes southward at the Becker Creek bridge. This 4-wheel drive road parallels the south side of Becker Creek. Another branch road leaves the Becker Creek Road and runs westerly for about a mile onto the Carol claims.



HISTORY

Considerable prospecting was carried out in the Wheaton River area starting in the early 1900's, and resulted in the discovery of numerous occurrences of gold and silver. Gold-silver mineralization previously located in the vicinity of the Carol claims include: Mt. Anderson (one km East), Gold Hill (ninet km north), Tally-Ho (seven km northeast), Mt. Wheaton (ten km east) Goddell (six km southwest), Mt Skukum (fifteen km west), and Skukum Creek (nine km west).

In 1981 AGIP Canada Ltd. discovered a gold ore body at Mount Skukum, 16 km west of the Canada claims. This deposit produced 80,000 ounces of gold from 220,000 tons of ore between March 1986 and August 1988 at which time the mine was closed (Basnett,1989).
Subsequent to this, ore bodies have been discovered at Skukum Creek and Goddell Gulley on properties adjacent to the Carol claims and are being developed by Tagish Lake Gold Corp

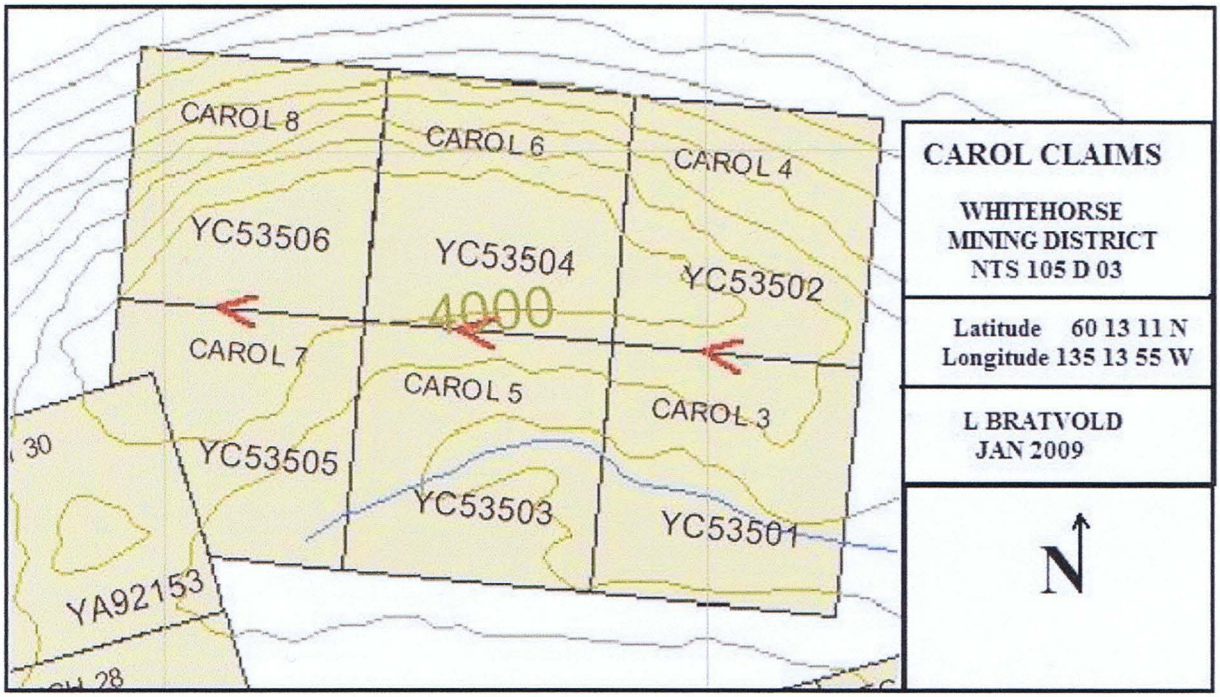
In the 1980s a copper/gold/zinc skarn was discovered on Mt Anderson (3 km west).

The ground now covered by the Carol 3-8 claims were originally staked as the Fleming claims in July of 1909 by H E Porter, the discoverer of the Pueblo copper deposit near Whitehorse. The property was visited in Sept 1909 by federal geologist D. D. Cairnes who described the property development at that time as being a forty foot trench, four foot wide exposing massive and specular hematite, bornite, and chalcopyrite.

The property was restaked as the Maryann claim by Yukon Antimony Corp in Jan of 1965 and they conducted bulldozer trenching later in the year.

The property was staked several times by different parties between 1965 and 1977. In 1977 it was staked by D. Lampert on behalf of a syndicate which added more claims and bulldozer trenched before transferring the property to a new company, New Ridge Resources Ltd. New Ridge explored with trenching and a mag survey in 1979, an EM survey and 7 percussion holes in 1980. New Ridge lost the property then restaked it in Jan, 1985 and preformed geochemical and geophysical surveys later that year. L Bratvold staked the property on July 30 2006 to cover the known mineralized showings.

PROPERTY



The property consists of six quartz claims staked under the Yukon Quartz Mining Act and covering approximately 133 hectares. The registered owner is Larry Bratvold of Box 193 Carcross, Yukon. Claim details are as follows:

Claim Name	Claim Number	Expiry Date*
CAROL 3-8	YC53501-YC53506	2011-08-02

LATITUDE 60 13 11 N
LONGITUDE 135 13 55 W
MAP SHEET 105 D 03

WHITEHORSE MINING DISTRICT
YUKON TERRITORY

Expiry date* is contingent on acceptance of this assessment report

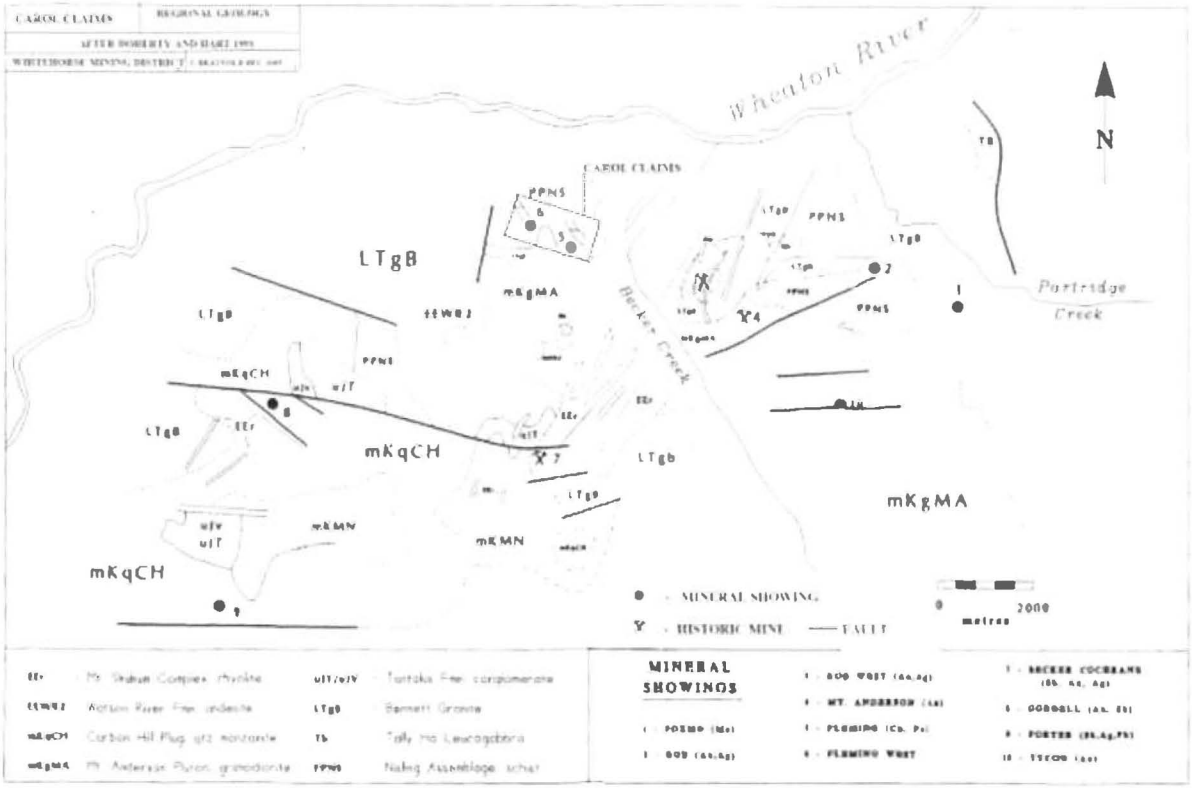
CLIMATE, TOPOGRAPHY, AND VEGETATION

The climate in the area of the Carol property is variable with hot summers and long cold winters. Precipitation is light, averaging about 40 cm annually with heavy snowfalls occurring during the winter months.

The Carol claims are situated at the eastern flank of the Coast Mountains. The property covers a ridge located on the north slope of Carbon Hill at the 4000 ft level. The ridge slopes gently to the south but has precarious cliffs on its northern face. Outcrop is limited to the cliff areas and several knolls on the southern slopes.

Vegetation consists of spruce, jack pine, and poplar. Alpine shrubs and willows occur along with alpine grasses.

REGIONAL GEOLOGY



The Carol claims are located at the eastern margin of the Coast Plutonic Complex near the boundary with folded Mesozoic and Paleozoic volcanic and sedimentary rocks of the Whitehorse Trough (Intermontaine Belt). This portion of the Coast Plutonic Belt is composed of foliated and non-foliated Mesozoic (Cretaceous) granite, granodiorite, monzonite and quartz diorite flanked by metamorphosed and unmetamorphosed sedimentary and volcanic strata belonging to the Yukon Group, Lewes River Group, Laberge Group and Tantalus Formation. Granite, granodiorite and quartz monzonite are characteristic of the composite plutons . Irregular belts of lower Mesozoic to Paleozoic, and probable Precambrian age, metasedimentary and metavolcanic rocks belonging to the Nisling Terrane and Tantalus Formation occur as roof pendants and erosional remnants in the granitic suites. These older units commonly are exposed in the eastern portion of the Wheaton River District.

The property lies is adjacent to the Paleocene-Eocene Mount Skukum Volcanic Complex, an elliptical shaped, nested cauldron collapse structure comprised of bimodal volcanism, covering approximately 140 square kilometres. Lithologies representing the initial phase of volcanic activity comprise rhyolite and andesite flows,

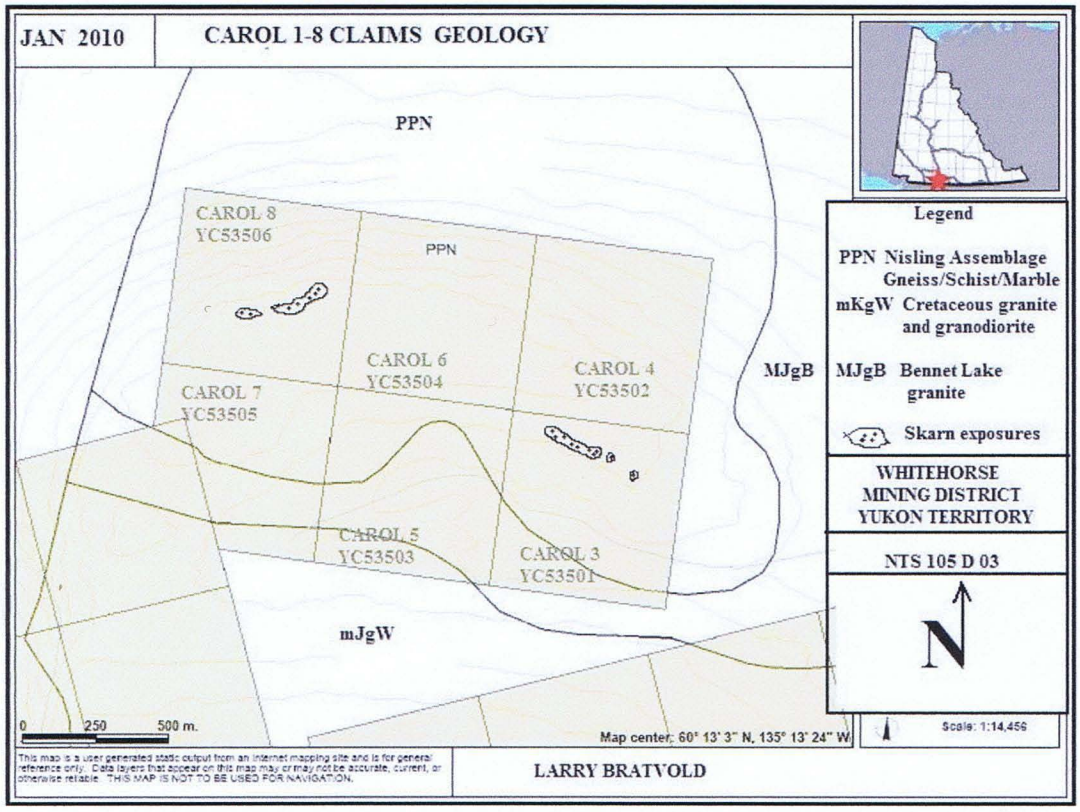
REGIONAL GEOLOGY *Cont*

breccias, tuffs and agglomerates. The final stage of volcanic activity is represented by intrusion of rhyolite, dacite and andesite dykes along a prominent set of vertically dipping, northeast trending faults that host quartz-sulphide vein mineralization. The Mount Skukum epithermal gold-silver vein deposit is located within the cauldron and the Skukum Creek deposits are at its southern margin.

GEOLOGY OF THE CAROL 3-8 CLAIMS

The Carol 3-8 claims are underlain by Cretaceous biotite-hornblende quartzdiorite or granodiorite of the Coast Plutonic Complex. The oldest rocks exposed on the property are the Proterozoic to Paleozoic Nisling Assemblage rocks, consisting of foliated quartz-feldspar-biotlte gneiss, biotite schists, and marbles. These Nisling Assemblage rocks are the most commonly exposed lithology and are found in a roof pendant in granodiorite across the north central portion of the property. The margins of the roof pendant are generally indistinct at the contact with the intrusive; but observed spatia1 relationships and the development of a fine grained chill margin in the intrusive suggests that the gneiss is wholly contained within the intrusive and is a stoped roof pendant.

The contact between the intrusive and the metamorphic rocks trends nearly east-west across the property in the central portion of the claims. Some exposures show evidence of contact metamorphism, including the development of skarn mineral assemblages. In several exposures, an intense, metasomatic alteration of the gneiss is evident, with wel1 developed magnetite, specular hematite, pyrrhotite, chalcopyrite, pyrite, galena, quartz, calcite, epidote, actinolite and grossular garnet in lenticular skarn zones within the gneiss. These zones were the chief focus of previous exploration on the claim group, with particular emphasis on copper and nickel values although sporadic gold values up to 7 g/t have been recorded.
Recent exploration has shown high zinc within the skarn zones.



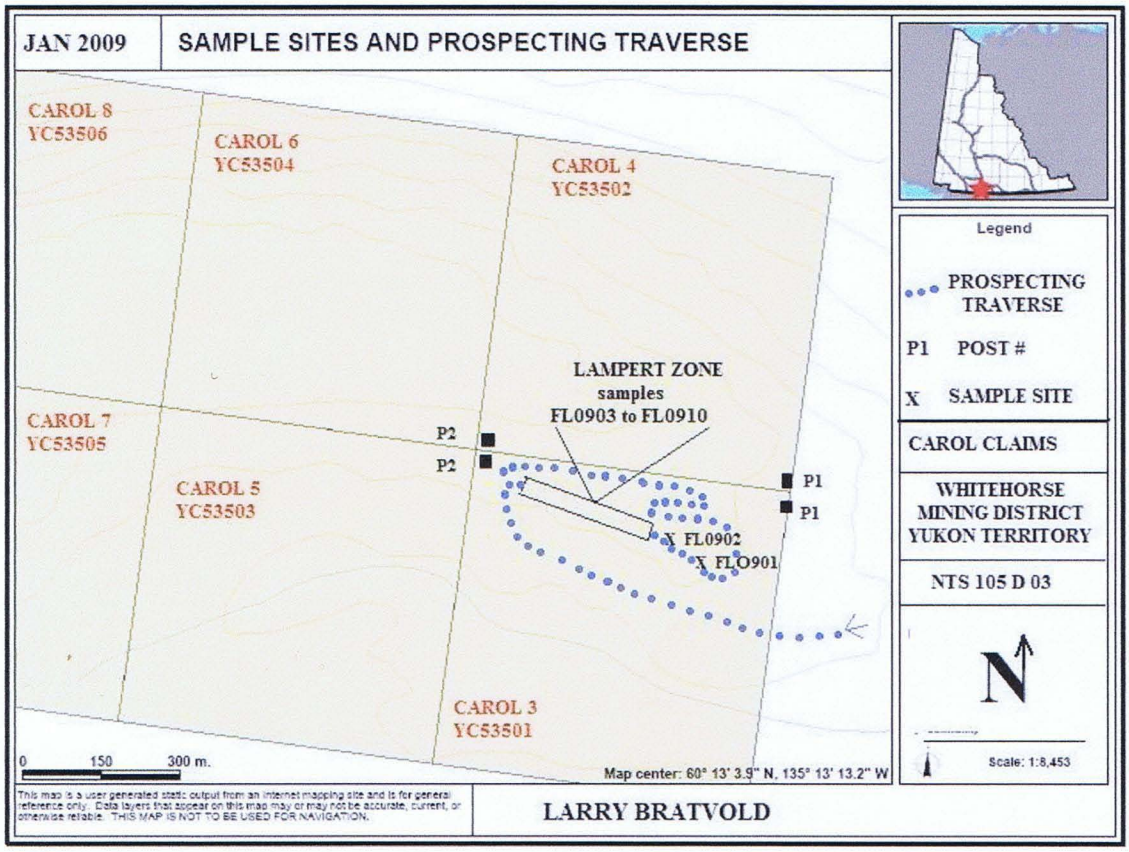
2009 EXPLORATION PROGRAM

The 2009 exploration program was conducted by the author of this report on July 10 & 11, 2009. Access for this trip was by truck to the Becker Creek junction with the Annie Lake road and by 4- wheeler from there to the claims.

The trips were focused on the Lampert Showing, a zone discovered in the 1970s and relocated by the author in 2007. Sampling done at that time returned high (16%) zinc values. The 2009 investigations was an attempt to determine the limits of zinc mineralization within the exposed area and search for extensions of the skarnified gneiss.

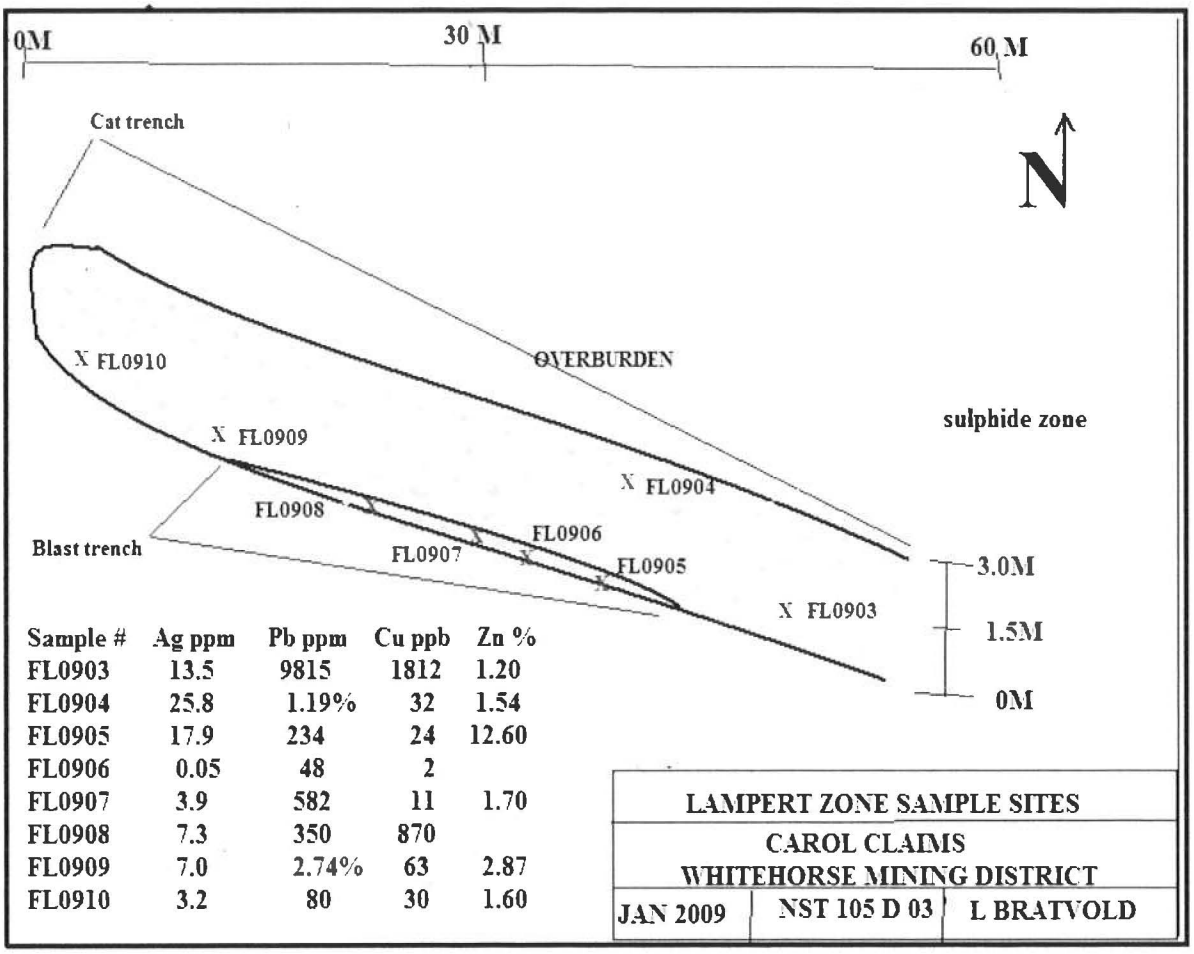
The Lampert zone is exposed in outcrop, blasted hand trenches, and limited mechanical trenching all completed in the early 1980s. These were cleaned up of debris and 1 meter chip samples taken approximately at several sites along strike.

The area on strike to the southeast was prospected and two exposures of skarn were discovered and sampled. This extended the known strike length of the zone by another 50 meters. Skarn float was discovered further downslope but was not found in place, probably due to ground cover throughout the area.



2009 EXPLORATION PROGRAM

LAMPERT ZONE



Sample #	Ag ppm	Pb ppm	Cu ppb	Zn %
FL0903	13.5	9815	1812	1.20
FL0904	25.8	1.19%	32	1.54
FL0905	17.9	234	24	12.60
FL0906	0.05	48	2	
FL0907	3.9	582	11	1.70
FL0908	7.3	350	870	
FL0909	7.0	2.74%	63	2.87
FL0910	3.2	80	30	1.60

LAMPERT ZONE SAMPLE SITES		
CAROL CLAIMS WHITEHORSE MINING DISTRICT		
JAN 2009	NST 105 D 03	L BRATVOLD

The historic blast trench was cleared of debris so fresh sample sites could be used. Samples were bagged and transported to Eco Tech labs in Whitehorse where they were crushed, dryed and split before transport to Kamloops for analysis in Eco Tech labs. The samples were subject to multi element ICP, gold and base metal assays.

ROCK GEOCHEMISTRY

SAMPLE #	ZONE	DESCRIPTION	Ag (ppm)	Pb (ppm)	Cu (ppm)	Zn (%)
FL0901	LAMPERT ZONE	lower exposure grab5% sulphides	2.5	52	347	
FL0902	LAMPERT ZONE	lower trench grab skarn with disseminated pyrite	10.9	4102	1664	
FL0903	LAMPERT ZONE	One meter chip dark black skarn no sulphides	13.5	9815	1812	1.26
FL0904	LAMPERT ZONE	One meter chip massive hematite and spalerite	25.8	>10000 (1.19%)	32	1.54
FL0905	LAMPERT ZONE	One meter light coloured skarn hydrozincite coating	17.9	234	24	12.6
FL0906	LAMPERT ZONE	Grab grey coloured skarn grab	0.05	48	2	
FL0907	LAMPERT ZONE	One meter chip dark skarn minor hydrozincite	3.9	582	11	1.70
FL0908	LAMPERT ZONE	rd cut dark skarn Ample pyrotite grab	7.3	350	870	
FL0909	LAMPERT ZONE	upper part of trench massive hemitite and magnetite grab	7.0	>10000 (2.74%)	63	2.89
FL0910	LAMPERT ZONE	One meter chipgrey skarn with disseminated grey sulphide	3.2	80	30	1.60

ROCK GEOCHEMISTRY

Eco Tech Laboratory Ltd.
2950 Shuswap Road
Kamloops, BC
V2H 1S9 Canada
Tel: + 1 250 573 5700
Fax: + 1 250 573 4557
Toll Free: + 1 877 573 5755
www.stewartgroupglobal.com

StewartGroup
Geochemical & Assay

CERTIFICATE OF ASSAY AW 2009-8151

Larry Bratvold & Ken Wilbern
PO Box 193
Carcross, YT
Y0B 1B0

2-Nov-09

No. of samples received: 42
Sample Type: Rock
Project: Various
Submitted by: Larry Bratvold

ET #.	Tag #	Au (g/t)	Au (oz/t)	Ag (g/t)	Ag (oz/t)	Cu (%)	Pb (%)	Zn (%)
1	SK0901	1.89	0.055	292	8.52	8.92		10.5
2	SK0902	0.37	0.011					7.02
3	SK0903	0.59	0.017					6.55
4	SK0904	0.83	0.024					3.40
5	SK0905	0.31	0.009			1.02		1.42
6	SK0906	0.60	0.017	76.7	2.24	2.22		11.4
7	SK0907	1.45	0.042	92.3	2.69	2.58		11.2
8	SK0908	0.07	0.002					2.89
9	SK0909	0.61	0.018	51.0	1.49	1.49		7.60
10	SK0910	0.09	0.003					
11	FL0901	<0.03	<0.001					
12	FL0902	<0.03	<0.001					
13	FL0903	<0.03	<0.001					1.26
14	FL0904	<0.03	<0.001				1.19	1.54
15	FL0905	0.05	0.001					12.6
16	FL0906	<0.03	<0.001					
17	FL0907	<0.03	<0.001					1.70
18	FL0908	<0.03	<0.001					
19	FL0909	<0.03	<0.001				2.74	2.89
20	FL0910	<0.03	<0.001					1.60
21	RR0901	3.15	0.092					
22	RR0902	<0.03	<0.001					
23	RR0903	<0.03	<0.001					
24	RR0904	0.76	0.022					
25	RR0905	<0.03	<0.001					

ECO TECH LABORATORY LTD.
Norman Monteith
B.C. Certified Assayer

Note: Only samples FL0901 to FL0910 apply to this report Multi element ICP in appendix

CONCLUSIONS AND RECOMMENDATIONS

Six of the twelve samples taken returned zinc values over 1% with the highest being 12.6 % zinc. The values are distributed throughout the exposed sharn zone. Prospecting along strike extended the skarn a further 50 meters along strike.

These factors along with the historic work done on the property give the property the potential for the discovery and development of significant reserves of Cu-Pb-Zn-Ag mineralization.

Based on the findings of this visit further work is warranted.

1. Mechanical trenching to determine the true width and strike length of the Lampert zone.
2. This should be followed up with a sampling program and drilling program if results warrant it.

REFERENCES

Hart and Radloff 1990:	Geology of Whitehorse, Alligator Lake, Fenwick Creek, Carcross and part of Robinson Map Areas (105D/11, 6, 3, 2, & 6)
Randall S Rodgers 1985	New Ridge Resources, Summary Report on Exploration Ridge Claims 1-16
Bostock H S 1939	Mining Industry of Yukon GSC Memoir 234
Cairns D. D. 1912	Wheaton District Yukon Territory GSC Memoir 31
Cairns D. D. 1916	Wheaton District Yukon Territory GSC Summary report 1915
Cockfield W. E. 1926	Whitehorse District Yukon GSC Memoir 150
Cockfield W. E. 1944	Whitehorse District Yukon GSC Paper 44-14
Wheeler J. O. 1961	Whitehorse Map Area Yukon GSC Memoir 312
Yukon Geology Survey	Minfile: Fleming 105 D 028

STATEMENT OF QUALIFICATIONS

I, Larry Bratvold mailing address- Box 193 Carcross Yukon Y0B1B0, declare that:

1. I am the author of this report.
2. I successfully completed the Yukon Prospector Coarse in Faro, Yukon in 1973
3. I successfully completed the advanced prospector coarse in Nanaimo B.C. in 1993.
4. I have been engaged in mining and exploration of mineral properties in Yukon, NWT, and British Columbia for 29 years.
5. I am the owner of Norseman Exploration and the registered owner of the Carol 3-8 claims discussed in this report.

Larry H Bratvold

Jan 15, 2010

STATEMENT OF COSTS

Two days prospecting, and sampling @ $200/day		$400.00
Truck rental 2 days @ $100/ day		200.00
4 wheeler rental 2 days @ $50/day		100.00
10 rock sample prep @ 10.10 each	101.00	
10 Au assays @ 13.95	139.50	
10 multi element ICP @ 7.50 each	75.00	
6 base metal assays zinc @3.00 each	18.00	
2 silver assays @ 3.00 each	6.00	
5% GST	16.97	
TOTAL ASSAYS	356.47	356.47
Misc, sample bags, flagging, fuel, ect.		150.00
	Total	$1207.47

02-Nov-09

Stewart Group
ECO TECH LABORATORY LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4
www.stewartgroupglobal.com

Phone: 250-573-5700
Fax : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AW 2009- 8151

APPENDIX

Larry Bratvold & Ken Wilbern
PO Box 193
Carcross, YT
Y0B 1B0

No. of samples received: 42
Sample Type: Rock
Project: Various
Submitted by: Larry Bratvold

Values in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	SK0901	>30	0.21	<5	<5	1795	0.65	>1000	38	56	>10000	>10	<10	0.11	825	13	0.03	6	1870	14	<5	140	6	<0.01	<10	6	30	3	>10000
2	SK0902	9.5	1.45	<5	5	180	4.91	>1000	11	81	272	3.81	<10	0.41	4851	9	0.03	10	430	102	<5	<20	35	0.02	<10	29	<10	5	>10000
3	SK0903	18.1	0.87	15	15	420	2.51	>1000	17	144	6449	4.04	<10	0.15	2685	155	0.02	10	820	<2	<5	20	32	<0.01	<10	13	20	3	>10000
4	SK0904	3.7	0.61	<5	5	610	1.78	>1000	8	131	188	5.67	<10	<0.01	1141	14	0.02	8	520	18	<5	<20	8	<0.01	<10	9	20	4	>10000
5	SK0905	23.8	1.11	<5	15	260	2.83	561	8	158	>10000	3.00	<10	0.17	1999	28	0.08	12	530	18	<5	20	55	0.02	<10	15	20	4	>10000
6	SK0906	>30	0.51	<5	<5	800	2.01	>1000	32	99	>10000	6.39	<10	0.13	2050	65	0.02	9	910	180	<5	20	31	<0.01	<10	9	20	3	>10000
7	SK0907	>30	0.44	<5	<5	1590	1.69	>1000	32	90	>10000	6.74	<10	0.15	1877	34	0.02	8	1220	192	<5	40	23	<0.01	<10	9	20	4	>10000
8	SK0908	0.9	1.52	<5	15	20	4.86	>1000	9	139	150	2.87	<10	0.29	2860	57	0.01	10	790	10	<5	60	73	<0.01	<10	16	10	4	>10000
9	SK0909	>30	0.66	<5	<5	745	2.23	>1000	22	117	>10000	4.49	<10	0.10	2134	10	0.02	9	560	98	<5	20	21	<0.01	<10	10	20	3	>10000
10	SK0910	14.1	0.58	<5	10	105	2.36	167	6	118	5479	4.13	<10	0.06	1384	11	0.02	7	350	<2	<5	<20	25	<0.01	<10	8	10	4	6531
11	FL0901	2.5	0.58	20	20	<5	1.77	4	29	60	347	8.11	<10	0.40	1069	<1	0.02	17	80	52	<5	40	10	0.03	<10	13	<10	3	83
12	FL0902	10.9	0.15	85	25	<5	2.40	12	79	29	1664	>10	<10	0.18	>10000	<1	0.04	58	270	4102	15	40	15	<0.01	<10	4	20	<1	330
13	FL0903	13.5	0.25	15	45	20	2.70	70	34	29	1812	>10	<10	0.19	>10000	<1	0.03	22	290	9814	10	80	15	<0.01	<10	6	20	2	>10000
14	FL0904	25.8	0.56	5	50	65	3.21	89	11	40	32	1.53	<10	0.50	8412	<1	0.01	3	830	>10000	<5	<20	91	0.02	<10	10	20	3	>10000
15	FL0905	17.9	1.72	5	35	310	5.34	764	69	35	24	4.83	10	1.77	>10000	<1	0.02	12	350	234	<5	40	207	0.04	<10	27	<10	8	>10000
16	FL0906	0.5	1.37	<5	30	<5	5.90	4	9	65	2	2.15	20	0.89	5766	<1	0.01	13	270	48	<5	20	229	0.12	<10	26	<10	4	461
17	FL0907	3.9	2.87	<5	40	20	8.78	96	28	32	11	3.60	10	2.12	>10000	<1	0.01	16	530	582	<5	<20	322	0.03	<10	33	<10	6	>10000
18	FL0908	7.3	1.97	65	10	<5	1.37	7	86	73	870	>10	<10	0.93	4002	7	0.03	32	450	350	5	40	18	0.07	<10	30	<10	4	248
19	FL0909	7.0	0.23	5	15	5	1.29	182	24	23	63	1.40	<10	0.36	>10000	<1	0.02	3	140	>10000	<5	<20	66	<0.01	<10	4	40	<1	>10000
20	FL0910	3.2	0.51	<5	5	90	1.37	91	39	55	30	>10	<10	0.93	2575	<1	0.04	10	570	80	15	<20	61	0.01	<10	10	10	4	>10000
21	RR0901	21.7	0.14	120	30	<5	0.02	4	1	204	37	1.02	<10	<0.01	95	<1	0.01	5	90	442	10	<20	41	<0.01	<10	2	<10	<1	189
22	RR0902	0.7	0.30	10	230	<5	2.38	<1	10	142	464	1.44	10	0.09	348	1	0.04	18	750	8	<5	<20	24	<0.01	<10	15	<10	4	19
23	RR0903	0.3	0.36	125	180	<5	0.08	3	2	104	6	0.91	20	0.12	526	<1	0.01	8	160	16	<5	<20	11	<0.01	<10	3	<10	4	510
24	RR0904	>30	0.21	410	80	<5	0.03	4	1	191	19	0.99	<10	0.01	32	4	0.01	6	350	2980	45	<20	49	<0.01	<10	6	<10	<1	129
25	RR0905	0.3	0.28	15	190	<5	4.39	1	10	68	7	2.00	<10	1.96	870	<1	0.03	21	860	8	<5	<20	143	<0.01	<10	17	<10	5	29