PROSPECTING & GEOCHEMICAL REPORT

ON

MARSH LAKE PROSPECTING PROGRAM

CARTER GULCH 1–2 YC25912-13

KIYOKO AU 1–2 YC26088-89

NTS MAP SHEET 105 D/9

LATITUDE 60° 39' N LONGITUDE 143° 19' W

WHITEHORSE MINING DISTRICT

Prepared by Claim Owner:

Ron S. Berdahl
Box 11250
Whitehorse, Yukon
Y1A 6N4

For Work Performed Between:

June 21 – July 1, 2003
July 6, 2003
October 17 – 19, 2003

January 15, 2004

SUMMARY

A grassroots exploration program was conducted in the hills east of the McClintock River. Work by the author and various other prospectors, especially in the last 10 years, has led to the discovery of several new gold showings.

Reconnaissance in 2003 over a 10-kilometre strike length of prospective geology uncovered two new mineral showings (Cu) and reconfirmed other anomalies. More detailed sampling was done around the Carter Gulch showing.

At least 50% of the drainages off Carter Ridge were found anomalous in Au.

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INTRODUCTION

This report is prepared to satisfy the requirements for assessment work as set out under the *Yukon Quartz Mining Act*, to consolidate information collected during the 2003 field season, and to satisfy Yukon Mineral Incentives Program (YMIP) requirements.

Gold and base metal showings occur throughout the Marsh Lake Belt. This region is an extension of the Atlin ultramafic gold belt, a mother lode type gold camp. B.C.'s largest gold producer, Bralorne, was of this type.

Mineral exploration in this area has been hampered by glacial till cover and, until recently, unsettled land claims.

Access to and through the area is generally good for Yukon standards. Two showings at either end of the belt (Tog and Carter Gulch) with visible gold, hint at the possibilities in this largely unexplored area. The Carter Gulch rocks assay over 4 opt. Placer gold and numerous anomalous RGS values in areas without known sources punctuate these possibilities.

HISTORY

Adits along ultramafic and quartz carbonate alteration zones predate the gold rush. No records of production exist.

Exploration for gold has taken place in recent years along a major northwest trending structure paralleling Marsh Lake; notably, the Rossbank (Inco) property 15 km northwest and the Bug claims 15 km southeast. An airborne EM, Mag survey was done over this trend in 1968 by Prado Explorations Ltd. This was followed up by ground IP and EM surveys. The results were inconclusive. (Rushant, 1995)

The Yukon Prospectors Association flew an airborne Mag survey over an extensive area adjacent to and to the south of the area of interest.

Prospector Brian Carter discovered visible gold in large quartz float boulders in 1994, during follow-up of anomalous RGS data sites.

ACCESS AND PHYSIOGRAPHY

Access to the prospecting area is good. Trails (ATV) and roads transect the eastern and southern periphery of the area.

The Carter Gulch showing is 3 km from a gravel road. Helicopters were used to access the ridge tops during the 2003 season. Flight time from Whitehorse is less than 30 minutes.

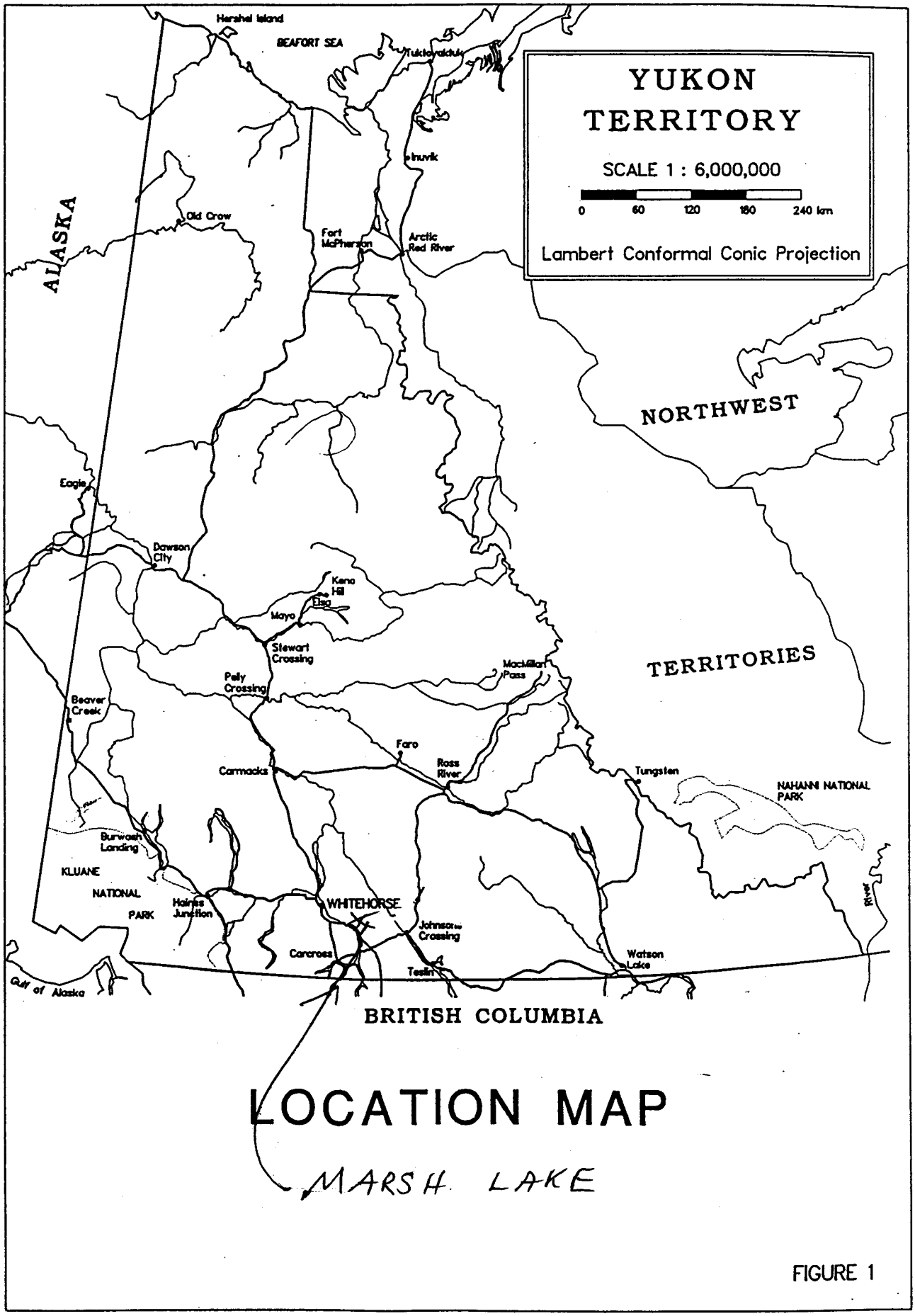
The area consists of rounded ridges with a few steep escarpments and talus slopes. Elevations range from about 5,700 feet down to 2,500 feet. Treeline is near 4,500 feet, with a spruce forest and assorted boreal shrubs below that level. Willow is thick in most creek beds. Glacial till fills most low areas. Till depth is unknown.

PROPERTY

As of this writing, only four claims are current in the exploration area.

All land claims have been finalized.

Claim Name/No.	Grant No.	Owner	Expiry Date
Carter Gulch 1–2	YC25912–13	R. Berdahl	March 28, 2004
Kiyoko Au 1–2	YC26088-89	R. Berdahl	October 2002



LOCATION MAP

MARSH LAKE

FIGURE 1

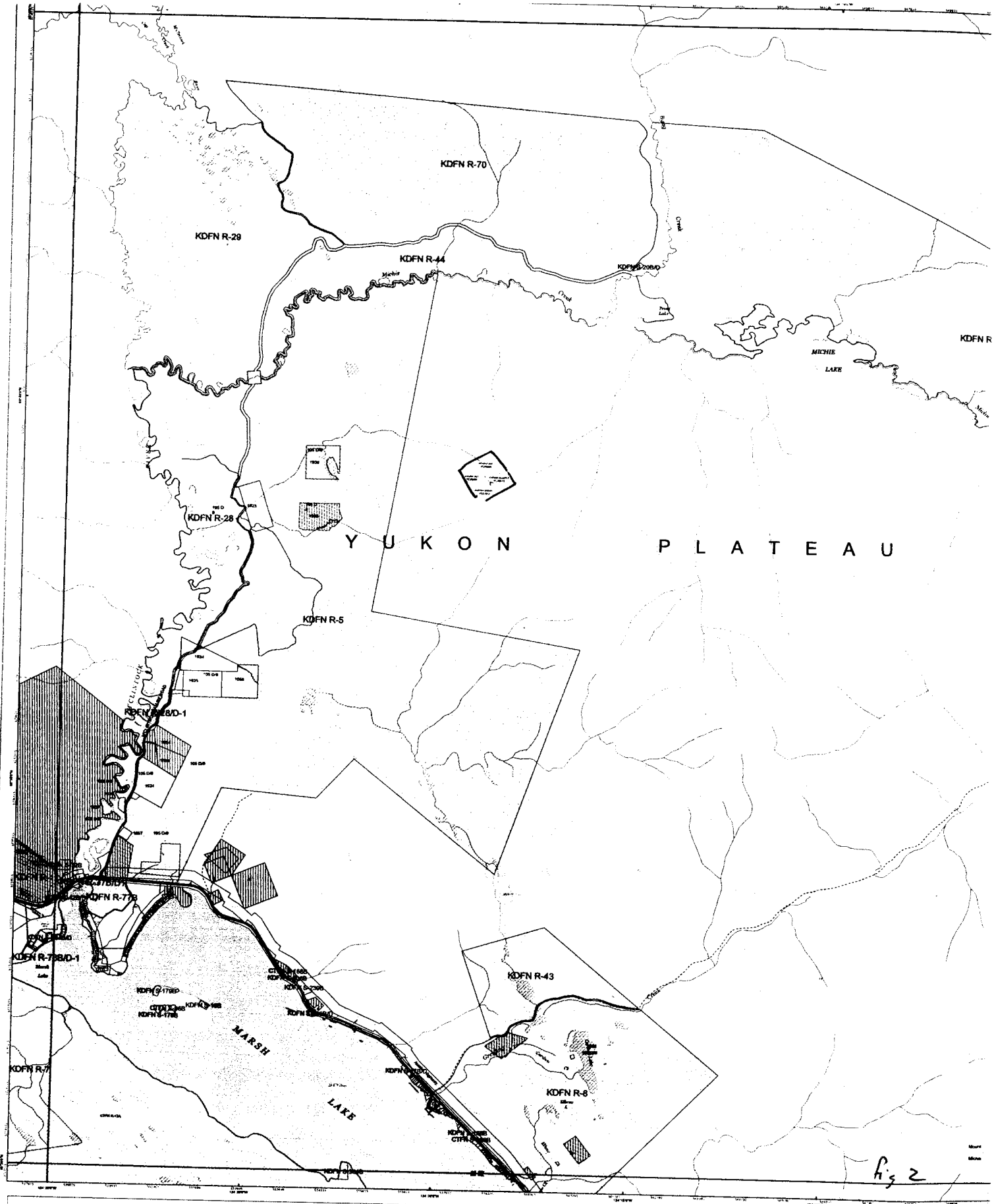


fig 2

105D/09

MINING CLAIMS

UTM Zone: UTM Zone 8
Datum: NAD 83
Mining District: Whitehorse
Map Creation Date: Jan 14, 2004

105D15	105D16	105C13
105D10	105D09	105C12
105D07	105D08	105C05

REGIONAL GEOLOGY

The Marsh Lake area is underlain by stratified volcanic and sedimentary units of the Whitehorse Trough and Atlin Terranes. Coast Plutonic Complex granitic rocks intrude the region.

The Whitehorse Trough features Lower to Middle Jurassic Laberge Group clastic sediments flanked by Upper Triassic Lewes River Group mafic volcanics. Atlin Terrane consists of Pennsylvanian (?)–Permian Taku Group serpentinites, metamorphosed volcanics and quartz carbonate rock.

Structurally, the area features northwest-southeast oriented faults parallel to the axis of the Whitehorse Trough.

Gold mineralization in the Atlin Terrane generally occurs in quartz carbonate alteration zones in close association with untramafic intrusives and strong normal faults. (Graham, 1995)

PROPERTY GEOLOGY

The reconnaissance area generally follows a 10+ kilometre contact between Jurassic Laberge Group sediments and Upper Triassic Lewes River Group metamorphic sediments and volcanics. In a till-filled valley immediately to the west, there is an assumed contact with greenstones (Wheeler, 1951). Orange-weathering ultramafic rocks dominate the ridge to the east. In the north of the area, Cretaceous leucocratic granites intrude the sediment/volcanic contact. This intrusion is near the Carter Gulch gold showing and two new, weak copper showings. The relationship between the intrusive and showings is unknown.

An intrusive dike through a black glassy aphanitic unit is associated with the Karl Cu showing.

Aplite dikes (float) are found south of Kiyoko Lake, and in the "22 RGS" stream 1.5 km north of that lake. Quartz float is found throughout the entire area.

Conglomerate, supposedly of both Lewes River and Laberge geneses, is a common rock. Glaciation has complicated the immediate geology. Ultramafic float suggests glacial movement from the east-southeast.

MINERALIZATION

Two new, minor occurrences of Cu ± Pb were discovered during prospecting. They consist of malachite staining and minor Pb in quartz on a creek with a high RGS number. The second is malachite on a black aphanitic rock 300 m southeast of the Carter Gulch Au showing. Similar mineralogy occurs at the Karl Cu showing discovered several years ago.

The Carter Gulch mineralization consists of visible gold, usually associated with vuggy limonite on a grey to white quartz.

As reported by Carter in a 1994 prospecting report, the "average" quartz boulder (float) was 20 cm thick, by 61 cm x 91 cm.

The mineralogy at the Carter Gulch showing is 'clean'. Little As, Pb, or Cu are associated with high Au values. e.g. a Noranda sample, 172062 (1995), had v.g. (40,500 ppb Au) with 5 As, 17 Ag, 1.2 Cd, 668 Cu, 1% Fe, 2,842 Pb. (Carter, 1995)

The Silver King showing is a quartz-rich showing in argillite (?). Pyrite and galena are common. Mineralization, exposed in a number of hand-dug pits, strikes east-west. This mineralized trend is similar to what was found by Rushant on the Jan claims, to the south 5 km, and also seems to be the trend of mineralized float at the Kiyoko Cu showing.

Mariposite float is not uncommon through the entire Marsh Lake Belt.

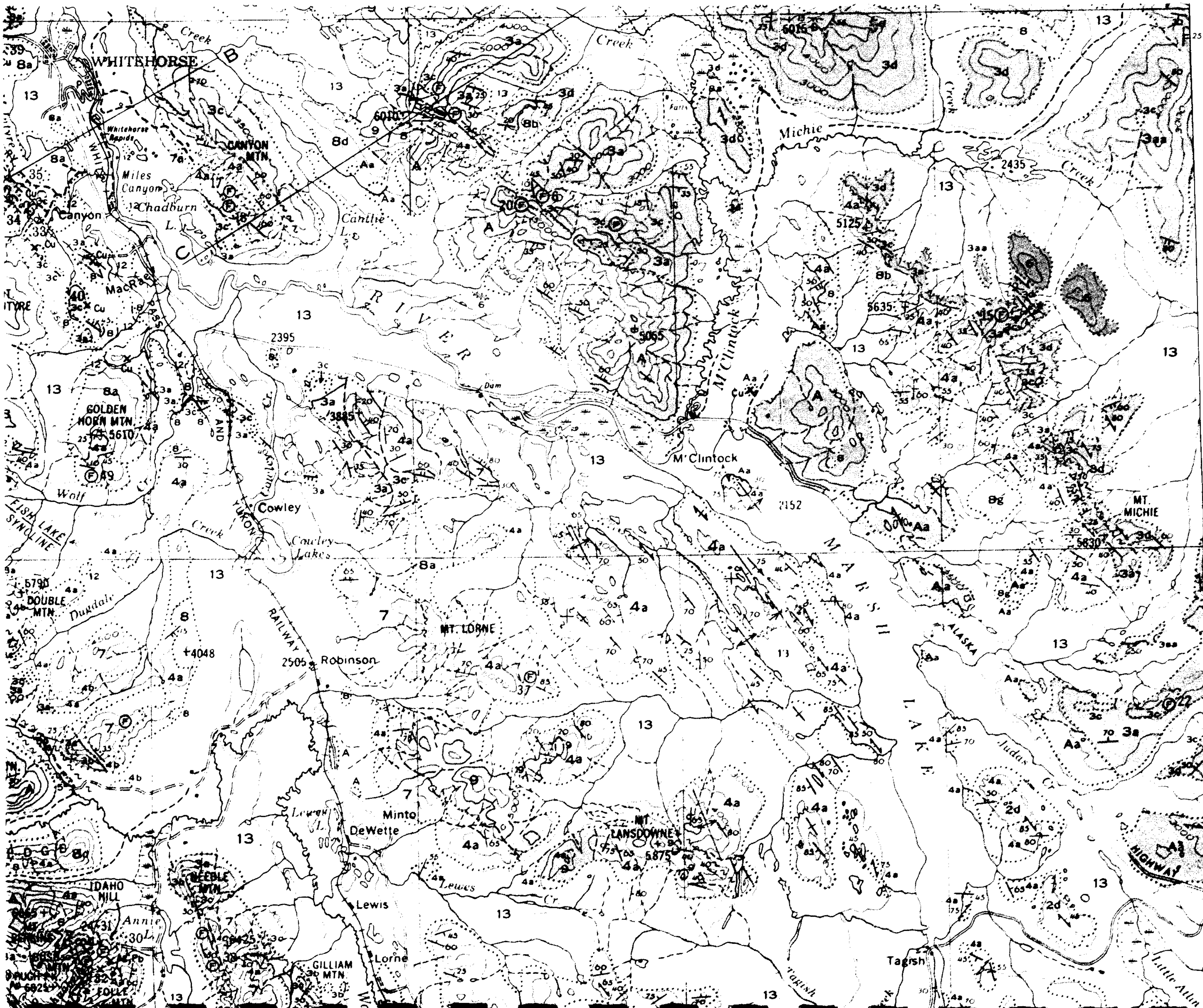
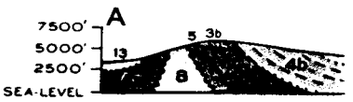

WHITEHORSE
Whitehorse Rapids
Miles Canyon
Canyon
Chadburn L.
CANYON MTN
Canthe L.
MacRae
GOLDEN HORN MTN
FISH LAKE SYNCLINE
DOUBLE MTN
IDAHO HILL
NEEDLE MTN
GILLIAM MTN
YUKON AND RAILWAY
RIVER
Cowley
Cowley Lakes
Robinson
MT. LORNE
DeWette
Minto
Lewis
Lorne
MT. LANSDOWNE
M'Clintock
Michie
MARSH LAKE
ALASKA
HIGHWAY
MT. MICHIE
Tagish
Teslin 56m.

fig 3



LEGEND

CENOZOIC

QUATERNARY

13 — *Alluvium, glacial deposits, volcanic ash, loess*

12 — *MILES CANYON BASALT: basalt, minor pyroclastic rocks*

TERTIARY OR EARLIER

11 — *Granite porphyry, rhyolite*

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10 — SKUKUM GROUP
Andesite, basalt, rhyolite, and trachyte breccias, tuffs, and flows, 'granitic agglomerate'; minor greywacke

9 — *Pink quartz monzonite*

MESOZOIC

CRETACEOUS

8 — COAST INTRUSIONS
Granodiorite, granite, quartz monzonite, quartz diorite, and allied rocks; **8a**, *hornblende-biotite-oligoclase granodiorite;* **8b**, *leucocratic granite, biotite granite;* **8c**, *biotite-hornblende quartz diorite;* **8d**, *hornblende diorite;* **8e**, *gneissic 'porphyritic' granodiorite;* **8f**, *shattered granodiorite and 'granitic breccia';* **8g**, *pegmatitic syenite*

7 — HUTSHI GROUP
Basalt, andesite, quartz latite, and rhyolite flows, breccias, and tuffs; conglomerate; minor greywacke and argillite; **7a**, *basalt dyke;* **7b**, *altered volcanic rocks probably belonging to Hutshi group*

6 — *Peridotite, dunite, serpentinite, pyroxenite*

JURASSIC (?) AND CRETACEOUS
UPPER JURASSIC (?) AND LOWER CRETACEOUS

5 — *TANTALUS FORMATION: arkose, siltstone, conglomerate, argillite, coal*

JURASSIC
LOWER JURASSIC AND LATER
LABERGE GROUP

4 — **4a**, *greywacke, arkose, quartzite, conglomerate, siltstone, argillite, hornfels;* **4b**, *mainly conglomerate*

TRIASSIC
UPPER TRIASSIC
LEWES RIVER GROUP

3 — **3a**, *greywacke, siltstone, argillite, conglomerate, and tuffaceous equivalents;* **3aa**, *includes Jurassic rocks;* **3b**, *andesite, basalt flows and associated pyroclastic rocks;* **3c**, *limestone, limestone breccia;* **3d**, *metamorphosed rocks probably belonging to Lewes River group*

PALÆOZOIC

PENNSYLVANIAN (?) AND PERMIAN
TAKU GROUP

2 — **2a**, *mainly chert;* **2b**, *greenstone flows and pyroclastic rocks;* **2c**, *limestone, limestone breccia;* **2d**, *metamorphosed volcanic rocks, probably belonging to Taku group;* **2ds**, *metamorphosed volcanic rocks containing numerous serpentine bodies*

PRECAMBRIAN AND LATER

1 — YUKON GROUP
1a, *Quartz-mica, quartz-chlorite, and mica schists; quartzite, micaceous quartzite, gneiss, and amphibolite;* **1b**, *feldspathic gneiss, gneissic granitic rocks, lit-par-lit gneiss;* **1c**, *crystalline limestone*

A — *Volcanic rocks of uncertain age;* **Aa**, *metamorphosed volcanic rocks*

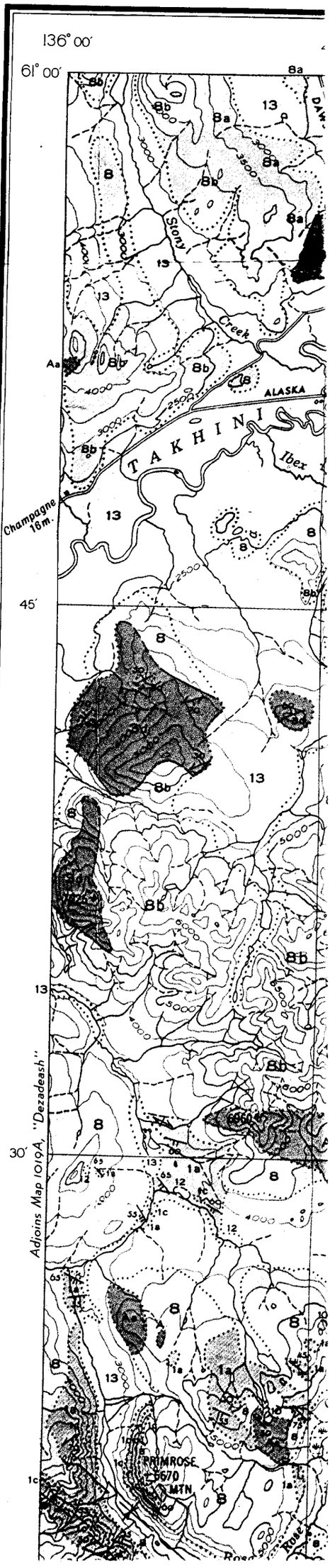

Fig 4

WORK PROGRAM

A reconnaissance field program with one assistant examined a 10 km northwest trending contact. In addition, the Silver King occurrence was examined. Also, three soil lines were run, east, west and south of the knob that hosts the Carter Gulch showing.

Silts samples were taken and streams panned for placer gold.

Quartz float was targeted throughout the area.

RESULTS

Visible gold was re-discovered at Carter Gulch. The occurrence, while in float, is obviously sub-crop and not glacially derived. Mineralization at the Karl, Silver King and Kiyoko seemed to trend east-west. The situation at Carter Gulch is less clear, although there is a large east-west 'saddle' immediately north of the showing. Rock samples from the 10 km geologic contact were disappointingly low. Rocks from the Carter Gulch showing were not analyzed as v.g. and prior numbers were adequate.

Silts were very encouraging. Many silt samples reconfirmed previous, or RGS, silts. Samples S-3 and S-42 were the only contradictions. A previous high 146 ppb Au was not reproduced. S-3 was <2 ppb. S-42, sampling the Carter Gulch gold showing where RGS samples ran 29 (17) ppb, returned undetectable gold.

More encouraging were samples S-11 and S-16, which reconfirmed RGS numbers on the southeast side of Carter Ridge (4+ km southeast of the known gold show).

S-31/S-29 returned 6 and 29 ppb Au respectively (on the same creek). The Kiyoko Cu/Pb showing is between S-11 and S-31/S-29. The two anomalous creeks and the Kiyoko showing represent a 3+ km east-west mineralized trend.

The creeks on the north and northeast side of Carter Ridge did not lend themselves to sampling (no water, swamp). All four creeks sampled on the west slope have Au numbers or placer gold. This is a 4 km distance. One sample, S-5, returned 29 ppb. This creek drains the west end of the ridge the Karl Cu showing is found on, 10 km southeast of Carter Gulch.

CONCLUSIONS AND RECOMMENDATIONS

Given the persistent, widespread, anomalous stream sediment values, along with multi-ounce gold values at Carter Gulch, there is a high probability of a larger gold system in the area. This system, aside from at Carter Gulch, is apparently not outcropping in any significant manner.

Thus, I would recommend an appropriate geophysical survey for, at least, Carter Ridge, if not south to the Karl showing. A large soils program, in conjunction with the geophysics, would further delineate a future gold deposit.

REFERENCES

Carter, Brian, 1995. Prospecting and Geochemical Assessment Report, CG Claims 1–14, 1518, Carter Gulch Claims 1–2.

Davidson, G., 1995. Prospecting and Geochemical Survey, Mt. Michie Assessment Report for R. Hamel.

Rushant, G., 1992. Prospecting in the Michie Creek Area, 105D/9. Yukon Mining Incentives Program, #92-048.

Tindale, J. L., B.Sc., 1968. Airborne Electromagnetic and Magnetometer Survey in the Marsh Lake Area.

Wheeler, J. O., 1961. Memoir 312: Whitehorse Map Area, Yukon Territory, 105D. Geological Survey of Canada.

APPENDIX A

SAMPLE DESCRIPTIONS

CARTER RIDGE

Prepared by

Ron S. Berdahl

Marsh Lake Sample Descriptions 2003
105D/9

All samples carry the prefix 03 D9. Rocks are designated with an "R", soils a "D", and sediments an "S"

R1- White quartz float w/ siderite, and minor Mn

R6 - very hard, rounded white quartz boulder,2'cubed

R7 - Quartzite w/ trace limonite in a small but prominent N/S fault

R8 - Calcite rich conglomerate with quartz vein and veinlets w/limonite and minor, black pyrite cubes, and silt sized grains.

R14 - bleached aphanitic rock w/ heavy Mn stain and veinlets of sub parallel brown grit.

R16 - 4" quartz vein thru orange weathering quartz/carbonate alteration.

R17 - Limonitic/Mn stained piece of white quartz (1'x6"sq.) in saddle (possible fault).

R19 - Float of equi granular, mafic, fine grained possibly banded rock w/<5% pyrite.

R20 - limonitic quartz float in dolostone talus

R21- orange and cream banded siltstone w/ disseminated limonite

R22A/B/C - white quartz float w/ minor malachite, disseminated galena, minor limonite, Kiyoko showing

R24 - Aplite dike float (sub crop)

R25 - white quartz w/ stringers of sericite/chlorite, 2' cubed

R26 - pinkish felsic intrusive

R27 - qtz/carbonate with galena cube, on trend w/R22

R28 - quartz w/ minor malachite, manganese and trace sulfide

R30 - Quartz/carbonate w/ stibnite.

R34 - rusty conglomerate, non calcareous

R35 - Record lost

R37 - quartz /carbonate with quartz vein with trace galena.

R41 - Quartz float, semi round, white w/ red stringers and sericite.

R42 - Quartz float

R43 - 1" white quartz vein thru gray country rock w/trace disseminated pyrite.

R44 - quartz/carbonate w/ disseminated sulfides and .5" quartz vein

R45 - quartz float/country rock, w/orange stain on fracture and disseminated pyrite in host rock

R46 - quartz/carbonate , with white to orange quartz and argillite(?)

R47 - feathery white quartz

R48A - conglomerate with disseminated pyrite (to 5%) through out.

R48B - possible silicifed argillite with black (Mn?) vuggy quartz vein

R48C - sugary white to massive dark grey quartz, some vugs

R48D - white quartz vein through quartz/carb w/ disseminated sulfide, and shiny non sulfide, all enveloped in rusty rim.

R48E - silicified semi rounded manganese stained ahpanite.

R49 - breccia w/ >10% sulfides (pyrite) and minor malachite.

R58 - flt, brown biotite rich aphanitic rock.

R60 - quartz/carb float from talus (1km)

R61 - quartz float, from contact of Leberge and Lewis rocks

R62 - sheared, silicified dark, fone grained rx/ minor quartz veins, disseminated pyrite (<3%), some pyrite associated w/ veins

R63 - black cement breccia w/clasts of mariposite, quartz, grey inclusions, trace sulfide.

R64 - sheared argillite with x-cutting white quartz/carbonate vein (silver king)

R65 - argillite(?) possibly silicified, w/ multiple, sub parallel micro veins, trace sulfides, all envoloped in altered reaction rim. (silver king)

R66 - quartz with galena (silver king)

R67 - altered intrusive or albite w/disseminated rust and manganese stains, and mm.wide sugary quartz veins

R-72 - white quartz from just above theoretical soil sample site 900

R-73 - 4" flat quartz vein in green rock, float, rusty like carter showing

R-74 - quartz float near main showing (carter) , white w/pyrite cubes in groups

R-75 - 1" quartz vein thru white quartz float, minor rust

R-76 - on 'hat' knoll, 9"x5"x6" rusty quartz float w/limonite, 'bands' of pyrite, fresh pyrite cubes, and minor blebs of grey pyrite.

D-77 - light brown mineral soil under 16" organics in E/W-N/S cross structure

R-78 - mafic fine grained hornsfel w/x-cutting mm scale orange quartz veins

D-79 - soil on strong, but narrow (12') E/W fault, light brown soil under 18" of organics

R-80 - rusty quartz from frost boil, 150 m due east of C.G. showing

R-81 - rusty quartz w/ rusty pyrite,20m above C.G. showing

R-81A -rusty quartz w/ limonite

R-82 - ?argillite conglomerate contact, calcite/quartz veins to 3"

R-83 - 2" milky quartz vein thru argillite, possible Pb, trace Fe stain

Soil line #1 north south contour line @ 4700', on east flank of Carter Ridge. 11 stations @ 100m

Soil Line #2 800 m sample line, contour line @ 4,500'along west flank of Carter Ridge

0 - organics to 18", dark brownsoil w/sub angular mafics to argillite, sample @ 2+'

100- @ 18" light brown soil, small sub angular -angular rxs

200 - @ base of greenstone talus, brown dirt @12", between 1' and < rxs

300 - clay soil w/ large angular boulders, @16"

400 - @ 2' , brown clay soil w/in talus, below (+/-) Carter showing. Under flow banded rhyolite

500 - @2.5' light brown sandy soil in boulder matrix

600 - frost boil (frozen to 1') sample @ 1', light brown soil

700 - light brown soil @ 16-18", amongst green weathered glacial float

800 - steep slope, active soil area, brown grey soil

Soil line #3, contour line running NW, @4500', south of C.G. knob. 800m, samples @100m intervals

APPENDIX B

GEOCHEMICAL SHEETS

CARTER RIDGE

Prepared by

Ron S. Berdahl

[redacted] (ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Berdahl, Ron File # A302949 Page 1

Box 11250, Whitehorse YT Y1A 6N4 Submitted by: Ron Berdahl

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au** ppb
SI	<1	1	<3	<1	<.3	<1	<1	<2	.15	<2	<8	<2	<2	5	<.5	<3	<3	<1	.19	<.001	<1	1	<.01	5	<.01	<3	.02	.86	.01	<2	<5	<1	<2
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03 D9 R6	<1	1	<3	<1	<.3	1	<1	12	.35	2	<8	<2	<2	1	<.5	<3	3	1	.02	.001	<1	4	<.01	8	<.01	<3	.02	<.01	.01	<2	<5	<1	<2
03 D9 R7	<1	8	44	14	<.3	1	<1	130	.56	15	<8	<2	24	4	<.5	<3	<3	2	.02	.003	9	5	.02	36	<.01	<3	.20	.09	.10	<2	<5	<1	12
03 D9 R8	<1	28	4	23	<.3	15	10	715	2.94	68	<8	<2	<2	235	<.5	<3	<3	18	3.35	.137	5	6	.78	58	<.01	<3	.36	.04	.15	<2	<5	<1	41
03 D9 R14	<1	2	70	70	<.3	2	1	1097	.76	44	<8	<2	12	10	.5	<3	<3	2	.06	.013	20	1	.03	130	<.01	<3	.44	.05	.22	<2	<5	<1	2
03 D9 R16	<1	2	4	6	<.3	2	2	302	.42	3	<8	<2	<2	418	<.5	<3	<3	2	3.11	.015	5	5	.07	12	<.01	<3	.03	.01	.01	<2	<5	<1	<2
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03 D9 R19	2	286	<3	107	<.3	63	49	943	8.56	<2	<8	<2	<2	18	<.5	<3	<3	461	1.25	.088	3	473	2.42	51	.56	<3	3.06	.02	.02	<2	<5	<1	108
03 D9 R20	<1	1	<3	21	<.3	6	2	892	1.39	9	<8	<2	<2	221	<.5	<3	<3	11	2.19	.140	4	6	.81	40	<.01	<3	.08	.01	.02	<2	<5	<1	2
03 D9 R21	1	1	15	19	<.3	<1	1	71	.80	6	<8	<2	11	3	<.5	<3	<3	2	.04	.010	29	3	.02	60	<.01	4	.38	.04	.22	<2	<5	<1	<2
03 D9 R22A	<1	82	601	156	3.5	<1	<1	14	.43	18	<8	<2	<2	2	<.5	7	3	1	.01	.001	<1	3	.01	5	<.01	<3	.03	<.01	.01	<2	<5	<1	4
03 D9 R22B	1	253	3057	483	9.8	4	3	51	.99	160	<8	<2	5	18	.6	<3	19	7	.09	.039	12	3	.17	100	<.01	<3	.52	.05	.24	<2	<5	<1	4
03 D9 R22C	1	230	3153	355	27.1	2	2	42	.70	78	<8	<2	<2	10	.7	52	21	4	.06	.013	4	5	.07	50	<.01	<3	.22	.03	.11	<2	<5	<1	10
03 D9 R24	<1	16	14	9	.3	<1	1	29	.42	2	<8	<2	<2	8	<.5	<3	<3	3	.06	.033	<1	4	.01	4	<.01	<3	.05	.02	<.01	<2	<5	<1	<2
03 D9 R25	<1	3	13	7	.3	4	1	120	.49	3	<8	<2	<2	10	<.5	<3	<3	2	.06	.011	4	4	.10	542	<.01	<3	.13	<.01	.04	<2	<5	<1	3
RE 03 D9 R25	<1	2	13	6	<.3	5	1	119	.49	4	<8	<2	<2	10	<.5	<3	<3	2	.06	.011	4	13	.10	531	<.01	<3	.12	<.01	.03	<2	<5	<1	<2
03 D9 R26	<1	23	15	33	<.3	4	4	305	1.14	11	<8	<2	6	87	<.5	<3	<3	15	.88	.028	17	6	.18	54	<.01	<3	.33	.09	.07	<2	<5	<1	4
03 D9 R27	<1	9	308	55	.9	32	25	1529	4.47	71	<8	<2	2	909	<.5	<3	<3	25	7.34	.084	8	48	2.53	80	<.01	<3	.51	.02	.13	<2	<5	<1	3
03 D9 R28	<1	104	149	278	.9	1	1	79	.36	5	<8	<2	<2	15	<.5	<3	4	1	.12	.002	<1	2	.02	6	<.01	<3	.04	.02	.01	<2	<5	<1	<2
03 D9 R30	<1	20	48	3	<.3	683	42	826	3.82	274	<8	<2	<2	4	<.5	>2000	<3	12	.18	.003	<1	304	14.32	25	<.01	4	.10	<.01	<.01	<2	<5	1	7
03 D9 R34	2	7	6	14	<.3	10	3	194	.71	4	<8	<2	6	7	<.5	18	<3	3	.14	.020	9	3	.09	35	<.01	4	.26	.05	.14	<2	<5	<1	<2
03 D9 R35	<1	1	9	8	<.3	4	1	32	.44	3	<8	<2	<2	1	<.5	27	4	1	.01	.002	<1	6	.06	3	<.01	<3	.03	<.01	<.01	<2	<5	<1	9
03 D9 R37	<1	23	13	10	<.3	6	6	1113	1.53	2	<8	<2	<2	1941	<.5	3	<3	13	18.88	.090	5	9	.38	24	<.01	<3	.22	.01	.02	<2	<5	<1	7
03 D9 R41	<1	3	6	4	<.3	3	1	377	.82	<2	<8	<2	<2	16	<.5	<3	<3	2	.17	.015	<1	4	.02	42	<.01	5	.04	<.01	.02	<2	<5	<1	<2
03 D9 R42	<1	7	<3	10	<.3	7	3	201	.78	3	<8	<2	<2	159	<.5	<3	<3	9	1.95	.032	9	16	.19	184	<.01	<3	.28	.03	.06	<2	<5	<1	4
03 D9 R43	2	2	3	20	<.3	3	2	125	.61	3	<8	<2	5	57	<.5	<3	<3	4	.47	.033	12	11	.15	78	<.01	4	.40	.04	.18	<2	<5	<1	3
03 D9 R44	1	71	13	82	.5	64	27	1203	4.86	142	<8	<2	5	939	<.5	<3	<3	34	7.05	.481	25	32	2.44	211	.01	3	.65	.02	.35	<2	<5	<1	13
03 D9 R45	3	8	180	91	.7	5	2	144	.62	18	8	<2	2	42	<.5	<3	<3	4	.35	.027	6	13	.05	16	<.01	4	.11	.06	.02	2	<5	<1	2
03 D9 R46	2	5	499	89	.7	16	5	332	1.21	12	<8	<2	<2	172	<.5	<3	<3	22	1.51	.053	7	41	.50	19	<.01	4	.51	.02	.03	<2	<5	<1	<2
03 D9 R47	4	2	4	2	<.3	3	<1	34	.34	3	<8	<2	<2	1	<.5	<3	<3	1	.01	<.001	<1	18	<.01	1	<.01	7	.01	<.01	<.01	3	<5	<1	2
03 D9 R48A	<1	67	13	57	<.3	17	19	540	4.38	3	<8	<2	<2	131	<.5	<3	<3	89	2.46	.097	5	33	.85	109	.21	3	2.20	.27	.59	<2	<5	<1	3
03 D9 R48B	1	90	9	53	<.3	37	17	360	3.60	14	<8	<2	<2	156	<.5	<3	<3	119	1.09	.116	8	61	1.45	219	.25	6	2.37	.32	.92	<2	<5	<1	4
03 D9 R48C	<1	3	4	17	<.3	5	1	105	.28	2	<8	<2	<2	28	.7	<3	<3	2	7.40	.016	1	11	3.78	9	<.01	4	.07	<.01	<.01	<2	<5	<1	<2
03 D9 R48D	4	19	258	165	.3	161	16	1266	3.73	62	<8	<2	4	266	1.4	<3	<3	40	3.39	.204	28	189	1.99	92	<.01	4	1.19	.01	.12	3	<5	<1	2
STANDARD DS5/AU-R	13	145	24	132	.3	25	12	791	2.95	19	<8	<2	3	50	5.6	4	5	59	.72	.097	12	189	.67	137	.10	17	2.09	.04	.14	5	<5	<1	479

GROUP 1D - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-ES.
UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK R150 60C AU** GROUP 3B - 30.00 GM SAMPLE ANALYSIS BY FA/ICP.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 28 2003 **DATE REPORT MAILED:** Aug 8/03 **SIGNED BY** C. Leong .D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data A FA

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au** ppb
03 D9 R48E	1	27	18	62	<.3	9	7	343	2.34	7	<8	<2	2	104	<.5	<3	<3	76	1.03	.096	8	19	.46	391	.19	<3	1.54	.22	.28	<2	<5	<1	5
03 D9 R49	20	580	9	150	5.9	17	25	35	12.00	30	<8	<2	<2	5	<.5	<3	3	6	.04	.003	<1	12	.19	16	<.01	<3	.56	.01	.07	<2	<5	<1	17
03 D9 R58	<1	131	11	70	<.3	52	32	1025	5.74	32	<8	<2	4	156	.6	<3	<3	216	5.39	.232	17	89	2.10	387	.10	3	2.43	.05	.61	<2	<5	<1	2
03 D9 R60	<1	27	<3	20	<.3	10	5	371	1.29	26	<8	<2	2	309	<.5	<3	<3	16	3.63	.054	3	21	.32	25	.02	<3	.31	.03	.05	<2	<5	<1	7
03 D9 R61	5	10	11	19	.3	6	2	251	.60	6	<8	<2	<2	121	<.5	<3	<3	5	1.29	.020	2	17	.05	62	<.01	<3	.12	.02	.06	2	<5	<1	3
03 D9 R62	<1	45	4	44	<.3	16	18	3283	3.87	5	<8	<2	<2	492	<.5	<3	<3	87	9.95	.046	2	41	1.71	76	<.01	<3	1.56	.04	.05	<2	<5	<1	<2
03 D9 R63	<1	63	<3	74	<.3	44	19	1010	3.19	10	<8	<2	<2	118	<.5	<3	<3	11	4.99	.029	2	16	1.02	143	<.01	<3	.39	.04	.16	<2	<5	<1	8
03 D9 R64	1	33	95	163	.4	9	4	1855	1.09	51	<8	<2	<2	2518	4.2	<3	<3	8	14.88	.025	5	4	.37	44	<.01	<3	.16	.02	.07	2	<5	<1	20
03 D9 R65	1	142	24	151	<.3	35	25	1675	4.32	10	<8	<2	5	702	1.3	<3	<3	25	6.27	.165	20	14	2.00	115	<.01	<3	.64	.03	.30	2	<5	<1	562
03 D9 R66	8	78	9635	3233	8.6	7	5	160	1.75	3	<8	<2	<2	43	42.7	5	<3	2	.29	.009	1	7	.03	16	<.01	<3	.08	<.01	.04	<2	<5	<1	54
03 D9 R67	2	10	68	82	<.3	3	3	194	1.07	6	<8	<2	4	45	.6	<3	<3	3	.96	.030	14	9	.11	135	<.01	<3	.51	.07	.15	<2	<5	<1	4
RE 03 D9 R67	1	10	67	84	<.3	4	3	198	1.15	6	<8	<2	4	45	.7	<3	<3	4	.98	.030	14	10	.11	137	<.01	<3	.52	.07	.15	<2	<5	<1	<2
03 BC R68	<1	22	81	61	<.3	26	7	3227	3.46	49	<8	<2	<2	1096	.7	9	<3	16	22.65	.023	6	16	.47	40	<.01	3	.74	.01	.09	<2	<5	<1	16
03 BC R69	<1	53	11	94	<.3	31	9	953	2.37	13	<8	<2	<2	1266	<.5	<3	<3	20	13.01	.059	5	22	.86	50	<.01	5	1.18	.01	.21	<2	<5	<1	6
03 BC R70	<1	7	11	28	<.3	21	6	334	1.90	3	<8	<2	<2	165	<.5	<3	<3	31	1.32	.034	2	21	.88	29	.01	<3	1.04	.02	.08	<2	<5	<1	<2
03 BC R71	2	92	3	26	<.3	17	5	468	1.40	<2	<8	<2	<2	2492	<.5	<3	<3	30	16.83	.015	1	41	.75	14	.04	<3	.87	.01	.02	<2	<5	<1	3
STANDARD DS5/AU-R	12	141	24	130	.4	25	12	779	2.85	19	<8	<2	3	50	5.6	4	6	58	.81	.092	12	181	.64	143	.09	17	1.97	.04	.14	5	<5	<1	484

Sample type: ROCK R150 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data K FA 4

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Berdahl, Ron File # A302950

Box 11250, Whitehorse YT Y1A 6N4 Submitted by: Ron Berdahl

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au** ppb
G-1	3	3	5	38	<.3	5	5	560	1.96	<2	<8	<2	4	96	1.6	<3	<3	40	.62	.078	10	20	.53	257	.14	3	1.15	.15	.52	3	<5	1	<2
03 D9 S2	1	63	15	91	.4	44	16	365	2.36	9	10	<2	2	57	1.0	<3	<3	64	.96	.135	17	74	1.10	208	.05	3	1.78	.02	.08	<2	<5	<1	6
03 D9 S3	1	38	6	111	.8	39	14	1008	2.59	18	8	<2	<2	56	.7	<3	<3	46	.98	.097	14	56	.65	209	.04	4	1.60	.01	.06	<2	<5	<1	<2
03 D9 S4	1	21	6	54	<.3	29	9	867	1.73	5	<8	<2	<2	50	<.5	<3	<3	44	.81	.080	10	56	.70	143	.06	<3	1.10	.02	.04	<2	<5	<1	<2
03 D9 S5	<1	21	6	50	<.3	25	7	355	1.45	4	<8	<2	<2	56	<.5	<3	<3	39	.93	.079	9	63	.59	119	.05	6	.99	.02	.04	<2	<5	<1	29
03 D9 S10	1	60	6	81	.5	132	13	364	2.14	6	<8	<2	<2	46	<.5	<3	<3	48	1.02	.074	13	88	1.10	149	.04	3	1.42	.02	.07	<2	<5	<1	<2
03 D9 S11	<1	31	8	65	<.3	126	16	998	3.06	10	<8	<2	2	43	<.5	<3	<3	58	.75	.085	11	78	1.21	200	.08	3	1.45	.03	.09	<2	<5	<1	23
03 D9 S12	1	11	4	42	<.3	149	11	286	1.22	<2	<8	<2	<2	26	<.5	<3	<3	27	.62	.066	9	89	1.10	130	.05	3	.95	.02	.04	<2	<5	<1	<2
03 D9 S13	1	22	6	42	<.3	174	17	660	2.18	5	<8	<2	2	21	<.5	<3	<3	49	.39	.049	11	123	1.43	164	.07	3	1.21	.02	.05	<2	<5	<1	2
03 D9 S16	1	68	11	86	<.3	54	16	683	3.09	13	<8	<2	2	56	.8	<3	<3	86	.68	.104	13	69	1.24	224	.11	<3	1.97	.05	.26	2	<5	<1	11
03 D9 S23	<1	57	10	47	<.3	27	6	177	1.17	<2	<8	<2	2	56	<.5	<3	<3	31	1.31	.077	12	72	.56	172	.05	<3	1.12	.02	.08	<2	<5	<1	<2
03 D9 S29	14	50	9	95	.4	55	14	1166	2.57	13	9	<2	<2	49	1.3	<3	<3	60	.94	.096	13	63	.78	228	.09	<3	1.43	.02	.10	3	<5	<1	9
RE 03 D9 S29	15	49	9	96	.6	55	14	1153	2.55	13	<8	<2	2	48	1.1	<3	<3	60	.92	.095	14	62	.77	225	.09	4	1.41	.02	.10	3	<5	<1	33
03 D9 S31	9	37	8	94	.3	55	16	1463	2.48	9	<8	<2	2	48	1.0	<3	<3	50	.90	.091	12	56	.76	229	.08	6	1.40	.02	.09	3	<5	<1	6
03 D9 S32	1	39	5	42	<.3	85	10	302	1.89	7	10	<2	2	35	<.5	<3	<3	52	.87	.075	11	81	1.01	114	.07	4	.91	.02	.09	<2	<5	<1	<2
03 D9 S33	1	78	7	60	.3	180	9	370	1.65	14	<8	<2	<2	57	.6	<3	<3	41	1.42	.094	10	69	.76	127	.04	4	1.19	.02	.09	<2	<5	<1	40
03 D9 S36	1	60	11	62	<.3	50	17	621	3.01	11	<8	<2	3	39	<.5	<3	<3	71	.65	.122	14	73	1.14	125	.07	5	1.48	.02	.07	<2	<5	<1	6
03 D9 S38	1	39	18	59	<.3	41	11	500	2.26	7	<8	<2	4	45	<.5	<3	<3	51	.84	.070	14	50	.87	166	.08	3	1.30	.03	.14	<2	<5	<1	2
03 D9 S39	1	10	3	37	<.3	21	7	441	1.73	<2	<8	<2	3	36	<.5	<3	<3	46	.67	.067	11	40	.57	112	.06	3	.84	.02	.08	<2	<5	<1	6
03 D9 S40	<1	17	8	33	<.3	29	7	285	1.40	<2	<8	<2	2	36	<.5	<3	<3	35	.90	.058	9	35	.54	111	.06	<3	.75	.02	.06	<2	<5	<1	6
03 D9 S42	1	27	5	40	<.3	273	21	500	2.30	3	<8	<2	<2	32	<.5	<3	<3	43	.80	.064	9	139	2.34	122	.06	6	1.04	.02	.06	<2	<5	<1	<2
STANDARD DS5/AU-S	13	141	23	128	.4	26	12	768	2.82	17	8	<2	3	48	5.6	4	6	59	.72	.090	12	182	.66	145	.10	17	2.01	.04	.14	5	<5	<1	54

GROUP 1D - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-ES.
UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
- SAMPLE TYPE: SOIL SS80 60C AU** GROUP 3B - 15.00 GM SAMPLE ANALYSIS BY FA/ICP.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 28 2003 **DATE REPORT MAILED:** Aug 8/03 **SIGNED BY.....** D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data___ FA ___

APPENDIX C

PROJECT PERSONNEL

CARTER RIDGE

Prepared by

Ron S. Berdahl

APPENDIX C

PROJECT PERSONNEL

Personnel	Address	Task
Ron Berdahl	Whitehorse, Yukon	Prospector
Kiyoko Nakano	Kamloops, B.C.	Geology Student
Rob Hamel	Faro, Yukon	Prospector
Scott Berdahl	Whitehorse, Yukon	Prospector Assistant

APPENDIX D

STATEMENT OF COSTS

CARTER RIDGE

Prepared by

Ron S. Berdahl

APPENDIX D

STATEMENT OF COSTS

Helicopter:	(Heli Dynamics)			$ 3,183.97
Truck:	3 trips = 200 km total	@	$0.42/km	84.00
Labour:	15 man days	@	$150.00/day	2,250.00
Per Diem:	30 man days	@	$35.00/day	1,050.00
Assays				1,470.18
GPS, sample bags, maps, etc.				200.00
Report Preparation				750.00
				$ 8,988.15

APPENDIX E

SAMPLE LOCATION MAP

CARTER RIDGE

Prepared by

Ron S. Berdahl

Carter Gulch Showing
4 opt Au

Hamel Cu

JLS
Lebarge Group

mJTLS
Lewes River volcanics and sediments

Kg
Cretaceous Granite

placer gold

Pb, Ag

KDFN R-5

Kiyoko Cu, Pb

Kiyoko Lake

CPCC

Cu, Ag

Cu
Replacement

A
Diorites & altered diorites

Au
Shear hosted

McCLINTOCK RIVER

×6239, >10000 As

placer gold

mKy-p

CPCC

KDFN R-43

KDFN R-8

KDFN R-7

Alaska Highway

MARSH LAKE

Caribou Lake

Caribou Creek

Greyling Creek

Elbow Lake

Elbow Creek

mKy-p
Syenite Porphry

Ag, Zn

Mount Michie
5838

N

GEOLOGY LEGEND

A	Volcanic and metavolcanic rocks of uncertain age (diorites and altered diorites, possibly Cache Creek)
mKy-p	Cretaceous porphyritic syenite
Kg	Cretaceous granite
CPCC	Carboniferous and Permian Cache Creek Group. (basalts, limestone, cherts, serpentinites)
JLS	Jurassic Lebarge Group (sediments)
mJTLS	Lewes River Group (volcanics and sediments)

SYMBOLS

- Geological boundary (assumed)
- Fault (assumed)
- Vein
- Oblique graphitic argillic shears with anomalous Au,Ag,As,Cu,Pb,Zn
- EM anomaly
- Magnetic anomaly
- Magnetic low
- × 6239 — Anomalous rock sample, Au ppb, (other elements noted)
- △ 350 — Anomalous soil sample, Au ppb
- • 132 — Anomalous stream sediment sample, Au ppb
- ○ 39 — GSC regional geochem, Au ppb
- Au — Documented occurrence, type
- × Pb, Cu — Undocumented occurrence, type
- First Nation Settlement Land, Category B

Contour interval 500 feet.

⊠ - 2003 sample location

0 1000 2000 3000
METRES

MARSH LAKE NORTH

2003 COMPILATION
JAN, ET, ANT, EM, KARL
CARTER GULCH & KIYOKO CLAIMS

SCALE: 1 : 35,000	NAD 27, ZONE 8	DATE: January 21, 2004
N.T.S.: 105 D/9	DRAFTING: °A°	FIGURE

APPENDIX F

STATEMENT OF QUALIFICATIONS

CARTER RIDGE

Prepared by

Ron S. Berdahl

STATEMENT OF QUALIFICATIONS

I, Ron Berdahl, declare I am an independent prospector who has worked on the Carter Ridge area for the 2003 field season.

I have taken several courses related to prospecting and make the bulk of my living directly from prospecting.

The data contained herein is true and correct to the best of my knowledge.

Ron S. Berdahl

Jan 25, 04

Date

MONT MTN

Sept 5 99

Stake Nanook k 2

@ old XA4 8000 - 049

@ 343°

@ wpt #22

2003-058

June 21, 03

marsh Lake gold hunt -

fly x2 from olgiek farm to canken lake - camp northeast edge
land south central w/ Kiyoko Na[illegible]

camp set up

very well used game trails - lots of moose sign. some bear rub trees

- camp at or near 3a arg / 3b argillite contact @ east end of lake
1'3 white qtz flt. no vg seen. surprise

~~qtz flt north shore of lake~~

Sample R-35 →

qtz flt on west side of CG hook appear / claim bright
sort of showing. white opaque qtz w/ "burnt brown / black mineral on one partial face (siderite??)
- trace black pyrite (coated);
Pyrite occur w/ mm wide xtaline qtz oadne thru white opaque qtz.

June 22 -

@ 0541951 6718819

qtz vein filt in 2' dry crk bed

03 · D9 · R1 - ~~6~~ whitish qtz w/ limonite siderite, minor mn.

S-2 - silt - rel. int - in willow lots organics. -10 m S - steep trib w/ rock (<1/2" dia) - called S-2

S-3 - L. limit trib

~~S-4~~ pass no water } lots of
pass south side " " } snowbank

5437765
6715653

S-4 - L limit trib

S-5 - R " "

@ 2" ash / organics 1' wide

R-6 2'3 qtz boulder - rounded - probable glacial - v. hard - white qtz w/o surface - on ridge

R-7 - qtzite w/ minor mang. trace limo on very small N-S fault

@ 0543352 / 6717701 - above meadow in valley (S-2) ~~2~~ "kill zone"

June 23, - check talus slope along ridge immediately south of lake.

@ 1 - calc conglom w/ obvious weathered limeclasts - some "qtz carb "areas" - intrusive greywacke - most of conglomerate calcareous, except ~~at~~ + qtz carb

R-8 - conglomerate w/ 1/4" qtz vein + other ~~s~~ veinlets w/ limonite + minor pyrite - black carbon, other pyrite carbon - sand/silt possibly water w/ qtz mineralization ?

Across bridge series of lime rich conglomerates, argillites - vague black/grey banded, grey fine grained to porphyritic (small ⊟ phenocrysts) intrusives, quartzite - often w/ limonite blebs or banding. Some qtz carb - tr. mm pockets, + minor qtz across ridge.

As well scattered biotite + garnet rich rock - alt of what?

trace float from pyroxene intr.

R-9 - mix bag of qtz float - including golf ball sizes of white bull qtz to min 1/4" veins in qtzite to limestone rich rxs; metal (pyrite) (mostly in cube) not uncommon but not prevalent either

June 24 - Strm seds on ridge RGS creek drainage southeast end of Carter Ridge.

S-10 - Strm sed in low willow/buckbrush possibly draining N-S "fault" behind & directly above camp; 1' wide, 6" deep organic w/ pebbles at bottom @ 541900 / 6720817 - probably high on r. limit trib - yes.

S-11 Left limit trib. in high willow swamp - 2 streams - <1' ea - furthest south very rusty - mostly organics - 2nd much less rust (10m apart) less organics. S-11 - comb. of both. @ 541736, 6721323

S-12 - unmapped creek <1' draining "knob" - sample basically underwater moss matt - lots of fines & org. "moss"

58° - 450m to 114 waypoint (S-13)

S-13 - (wp #114) creek seep - sample from area in creek bed that take sharp turn N-S, - lines up w/ N/S fault directly above camp - water flowing but barely - soil brown green grey - actually a soil sample.

Above knob increasing amount (everywhere) & size (table) mafic/ultramafic float; on sidehill back toward South - variable mafic to felsic fine grained volc (andesites?) + less glacial ultramafic; @ 0540580 / 6721088

R-14 - bleached rock - sub crop w/ heavy mang. stain & veinlets of brown sub parallel; extremely violet shooting stars. fresh caribou sign, recent grizzly - last day or two at most.

S-15 - upper S-11 L. limit pan - black sand no gold

R-16 - qtz on 4" wide qtz carb - orange weathering - qtz to 1" in both sides - vuggy - no sulf. little fuzzy limo @ 0541527 / 6720157

R-17 - limonitic / mang. qtz (white) float 1' x 6" x 6" in pond (north) of north of camp.

R-18 - qtz w/ pyrite rust & sub parallel qtz vein [illegible] from ridge south of camp

June 25 - study basin w/ RGS anomaly north of camp (as yesterday)

R-19 - pyritic (<5%) equigranular mafic fine grained, possibly banded rx. hard. @ 541527 / 6720241 - flt in dolerite talus; 30m NE - white qtz flt - fist size w/ limon - may good for geochem - R-20 → 0541299 / 6720491

@ the <50m - [illegible] albite dike float (see [illegible] model) - also now recognize albite from south of lake -

@ GP point above orange + cream banded "siltstone" w/ ~~[illegible]~~ rust disseminated throughout - R-21;

Host of various qtz / etc in creek (RG?) - see bag

- @ 0541016 / 6720060 → 9" x 6" x 3" qtz - white to orange ~~[illegible]~~ thru intrusive "felsic" host dirty (mang. dissem pyrite) w/ malachite, azurite + galena. ~~Rock~~ fair bit of qtz float in general area.

R-22 ;;;

June 26 - S-23 - stream seal 1' wide 2" deep

@ 0539956 / 6718078

pan more [illegible] - organics - no gold minor black sand.;

at top of ridge - pre dissecting main ridge (0540660 / 6719642) fist size qtz flt w/ minor lim + poss trace sulphide.

R-24; @ 0540734 6719751 aplite dike float (sub crop). apparent strike NW.

R25 - white qtz 2 ft - w/ chlorite / sericite stringers

@ 0540257 6719791;;;

@ 0541050 / 6720042 → pinkish → R-26 version of "country rx (@ gold show) w/ limonite dissem. + pyrite;

also in flt. 1" qtz vein thru [illegible] country rx 30 m west + qtz carb vein - 2" + w/ one blob sulphide (see bag).

(on back side of big ridge (S-23 drainage) [illegible] [illegible] qtz carb w/ 1 cube of Galena). (R-30)

R-27 - qtz carb with galena cube on possible E-W structure 60 m from R-22 (cont)

R-28 - qtz w/ molybdenite, minor, minor sulfide - no gold
15m above R-22;

QTZ bay - all collected w/ in 50 m above from R-22 - no visible mineralization -
very cold - windy - hail - brutal
f/fish pink calcy ox, conglomerate + "dolostone" - horns fel

R-30 qtz carb from S-23 creek bed
W/ galena

June 27, - pack to top + north setup spike camp. - good weather

- All mineralized (galena/Cu) float now seen associated with a 270/280 trend - a subtle "stairstep" fold paralleling the ridge. - mineralization for about 50 m (from R-22 to R-27)
To this point I'd been concentrating more on N/S structural trends -

or in the nearby (6km) mineralized Pb Ag Au showings. Carter's findings are formed in E/W, at least in part, trends - so this may be the new direction.
Nothing much found 'new' in area after initial walk thru, believe "Qtz bay" ex being uphill + south of 270° fault will not produce Au ±. Looking for galena as there is a direct correlation between galena / gold in Carter's gold showing (Carter Gulch) 6km north.
granite / sed contact recognized south of camp (spike) site;
June 28 - Strm sed in complex drainages draining the west slope of "Carter Ridge" (the ridge between Carter Gulch Unit & the lake presently camped on - rain - fog, wind high, temp low.
5-29 - Strm flow in 2' wide active (trace to the south + northerly) 6" deep creek - most float in area, granite

S-31 - stream sed on S-29 crk below "270" saddle -

S-32 - dry willow patch w/ moose trail draining next strm north - bed cobbles -

S-33 - main channel 1' wide 2' deep in steep gulley

@ 33 qtz flt on ridge (north) orange stained white

variety of rx more seds than granites as at ridge (into S-29 crk) where mesozoic granite boulders were strewn about, limestone

yellow to white porphyry surrounds limestone near pass

below trail breccia - R-34 lime qtz ? rx

→ possible rusty conglomerate, common in this spot - not others

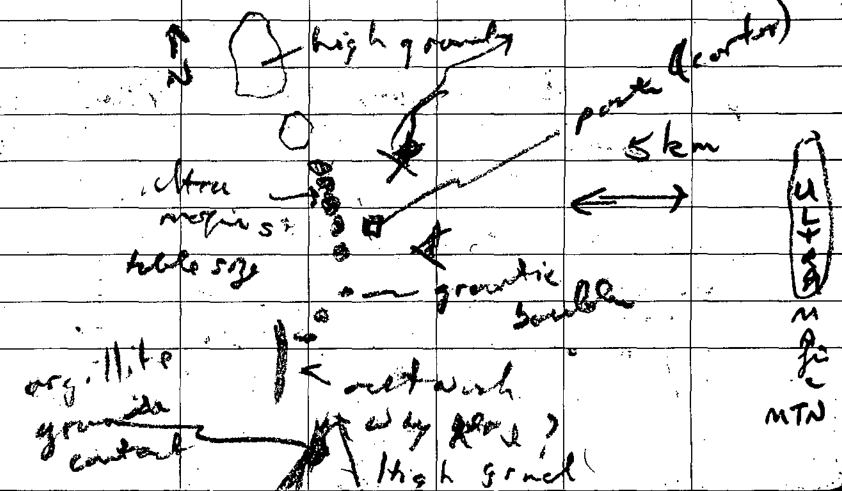
→ cong. w/ recent all along ~ N/S fault - lava rx built

~ 6 caribou

- ptarmigan w/ young (blue egg ?) male & female protect young male attacker - Dt stops w/ shock then goes ahead of us on foils

June 29 - hug rush - take down spike camp & hike back to lake -

ultramafics are numerous enough in many areas as to be from there - deposit round area at 3rd from last set of Carter's points a "moraine" of ultra mafics in granite



many area "streams" have no water - or even channel;
silt sample values - also
juvit RGS - at sites depicted,
in some cases, suggest no
no chopper landing sites.
Lots of rain + mosquitoes.
Lots of moose + caribou and bears
excellent moose ... - & close to
[illegible] ... horses.

June 30 - To Kuzl Showing, 39861
(Last Sample R-35)
S-36 - stream sed N-S creek in
[illegible] just southeast of camp

MH creek - bag of rocks
in L.L. trib biotite rich rusty rock - R-58

Cu showing @ 0545178/6716773

10' { intrusive sill [illegible]

N/S fault

Black "glossy" [illegible]

qtz carb (1')

Cu + Fe in breccia?

old flag # R4D913 malachite
azurite stains

bag of qtz, aplite non metallic cry,
breccia?, + black rk from
[illegible] of Cu

@ 05 45096/6716784

R-37 - galena seed
in qtz vein
thru qtz carb.

Cu Pb / qtz
qtz w/ galena
N/S fault

lots of qtz carb

July 1

July 6 - soil ~~[illegible]~~ in creek
E/W along known N/S
mineralized structure @ 0534222
6721198 N
mix soil "skim soil" 05 D9 D 38

0534332
@ old Silver King showing - 6719982
orientation based on blast pit +
surface expression - 300°/120°
QTZ vein - very similar to higher up qtz -
some w/ [illegible] of pyrite; galena in
vein (pinched) + patches, no Cu mineral.
Rock in outcrop orangish "gravel"
w/ mm qtz veins minor pyrite;
in dump lots of argillite, some
calcite (white) veins, [illegible]
argillite - ; QTZ w/ limon ; little
if any manganese.
bag of sample taken. old geophys
instrument - VIZ Manufacturing Phil. PA. USA
old ~~[illegible]~~ hand carved Silver King
post gone.
S-39 - L limit of govt RGS anomaly
that drains South end of

Carter Gulch Claims -
S-40 - r. left (actual RGS
site (on map)
S-39 - no water - moss covered
some gravels [illegible] [illegible].
water ~~[illegible]~~ transported.

placer gold at R-40; small creek,
good silts;

@ 0535900 / 6723952 -
talus (argillite - mineralless pyrite)
rusty on fract. + various flt.
including ultra mafic + one
semi red qtz (white) w/ red limon +
sericite (creek here dry - no seds)
→ R-41

R-42 - qtz flt from most westerly
fault (N-S) to galena ~~[illegible]~~ / pine
(@ Cu showing)

R-43 (@ R-26) 1" white qtz vein thru gray country rx (w/ trace dissem. pyrite)

R22A white qtz vein on — country rock - qtz is orange on fractures, as is orange on fracture; minor malachite on qtz + minor manganese on both.

R22B - as w/A w/ galena xtls; minor limo country rx w/ minor usage of limonite;

R22C - like 22A trace galena malachite

R-44 - qtz carb from R26 area w/ diss. sulfide + ½" qtz vein. (near gel show)

R-45 - qtz flt above R-22 qtz + cntry rx mix - orange on fract trace sulf; dissem lim in cntry rx no Cu or Pb

R-46 above R22 (south) white to orange qtz minor manga (org. ill.?) inclusions, trace "green qtz" (organic)

R-47 - loc @ 45 down white "feathery" qtz flt no orange or sulf. oxidn (minor mang on one fracture)

R-48 A-E flt from S-11 drainage

A- conglomerate w/ dissem sulf thru out (0.5%)

B - argillite w/ qtz vein wispy, black shiny qtz / manganese - poss. siliceous argillite

C sugary white to dark gray qtz, some ⊕ eaten out (fine grained sulfide eroded ???) areas

D - qtz carb w/ white qtz vein dissem sulf + sparkly non sulf. in rusty rind.

E - fist size semi rounded mang stained siliceous ???

R-49 - breccia @ Cu showing → 1 >10% dissem. sulfides. minor malachite.

R-60 - various tabs float from slope south of Kamp over ~ 1 km.

R-61 + qtz float nice crk float.

R-62 - sheared, silicified - dark fine grained rx w/ minor qtz veins - diss. pyrite (<3%) - some sulfide assoc w/ veins.

R-63 - black matrix breccia - flt in 'nice crk' - meripeite, qtz + grey inclusions - trace pyrite.

R-64 - from silver king pit (dump) qtz (white) + carbonate veins (white/tan) thru sheared argillite

R-65 ~~outcrop~~ rx ('gravel') - alt rim w/ multiple micro veins and parallel + trace diss pyrite - from Ag King dump possibly silicified

R-58 - "nice crk" float brown - biotite rich aphanitic rx

various breccia or poss. breccia in flt in upper crk.

R-66 - silver king qtz w/ galena

R-67 - from talus south of lake - alt "intrusive" or older w/ diss. borate + mag. stain - MM. sugary white qtz veins; trace lamp.

03 BC 68-71 inclusive

R-68 - secondary calcite xtals in black (shale) breccia w/ pyrite in clasts (in breccia) + some chalcedony

R-69 - qtz veins to 1/2 inch. From shale (black) w/ banding x cutting veins - pyrite assoc w/ boundaries + larger veins - rx is sheared bright pyrite also disseminated thru out shale.

R-70 qtz vein - 2"± - white
w/ orange on some fract.
trace pyrite thru argillite

R-71 - white qtz veins - "banded"
thru pale green to shaley black
rx - 80% qtz -
cross shearing w/ green min - shear
perpendicular to shale

Oct 17 - fly to Carter Gulch
clear - soils along
W side of ridge
= dusting of snow =
Hand on Line 1 - east side of
carter's knob - 1000m w/ station @ 100m
Line 2 - west side - just in
tree line
Line 2-0, 2' - frost 4" - organic
to 18" - rocky thru out
sub angular, mafics to argillite
sample dark brown soil @ 2'+
L2-100 + @ 18" - light brown soil
from surface small 1/2" angular / sub angular rx
L2-200 - @ base of greenstone

rock slide; some rinded ultra
mafics in slide rx., sample of
brown soil 1 ft+ deep - w/ sub
angular to angular rx 1+' to 1" or less
L-300 - clay soil mixed w/ large
angular boulders beneath heather
- sample at 16" +
(just across "fault" - south side)
L-400 ~ 2' - brown clay soil with in
slide rx - 6" > - ± below carter showing.
"flow banded" rhyollite - NW strike -
above sample location
L-500 @ 2½' - light sandy brown soil
in boulder matrix under sphagnum moss
buckbrush; one rx grey ophiolite
w/ white qtz veins to 1" wide.
L-600 - "frost boil" - frozen to 1'
- sample taken @ 1' - light brown soil
L-700 - light brown soils @ 16-18"
amongst green weathering bdrx (glacially
rounded)
L-800 - steep slope - surface
active soil area brown grey soil
Above theoretical L-900 ~ 50' - ± 10
chunks of white qtz - some w/
inclusions, minor qtz xtals etc
trace limonite & grey qtz. - near old
stake - old flagging - N#.

R-72

N 37/12 W 23 ... ↑

R-73 - 4" flat qtz veins in grn px - flt ~~above~~ also rusty like main showing

R-74 - qtz flt near Contact G showing - white qtz w/ pyrite cubes in grn.

- Main showing - see Notebook #5 1.18 opt. @ 500E 092N

→ 37274E 23974N

Oct 16 Haval - Soil line #3 - 0-800 m

2" white qtz vein @ 37199E, 23733N in conglomerate or breccia

@ 37317E 2378N - 1" qtz vein in flt + white qtz flt. minor rust

R-75 →

R-76 - on hill knoll - 9" x 5" x 6" rust qtz flt w/ limonite, "bacon" pyrite - + fresh pyrite cubes + minor blebs of grey pyrite -

just east of TG - Con a faint E-W structure X-ing a strong N-S structure → D-77 16" organic + mineral soil light brown soil - need to go deeper. → on fault edge

R-78 - mafic v. fine grained "harmful" (dark grey/purple) rx w x cutting mm scale qtz veins - orange - ~~pervasive~~ limonite covered on fractures adjacent to qtz veins w/ qtz veins - one (see rock @ 78) w/ green + black mineral coated w/ qtz "pegmatite".

D-79. soil on E-W fault - 24" - organic to 10" - light brown soil - large m. mafic boulders in fault (glacial) fault sample location just below fault intersection w/ A-78 fault -

R-80 - grey soil w/ rusty qtz float ~~east~~ ± 150 m of CG showing.

Oct 19 -

R-81 - 20m above CG showing rusty qtz w/ rusty pyrite like R-74

- Cartsis '36' showing -
37374E 23945N

170M - 040° True to CG show.

→

calcite veinlets - strike 330 - D. 70 sw

R-81 - rusty qtz - vuggy limonite

R-82 - non-mag. lite conglomerate
contact (in conglom) calcite/qtz
vein - 3" Dip N 45° ±
strike 320°

R-83 - 37663E 23895N - 2"
milky white qtz vein in argillite
non magnetic (full of pyrite)
possible Pb, minor Fe stain.