BRITISH COLUMBIA

PROSPECTORS ASSISTANCE PROGRAM

MINISTRY OF ENERGY AND MINES

GEOLOGICAL SURVEY BRANCH

PROGRAM YEAR:	1996/1997
REPORT #:	PAP 96-1
NAME:	STEPHEN KOCSIS

Geological Mapping and Rock/Soil Geochemistry at Antler Creek

Cariboo Mining District, Barkerville Area.
N.T.S. Map 93A14W
Latitude 52° 58′, Longitude 121° 25′

Nugget Mountain Mineral Property

October, 1996

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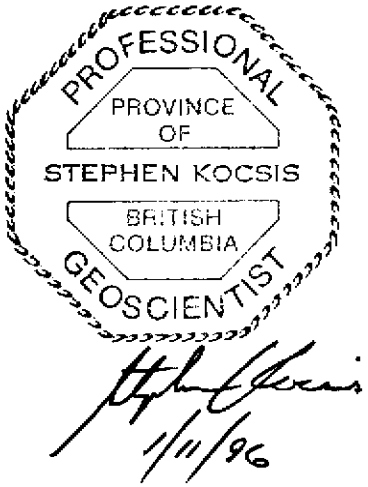

BRITISH COLUMBIA
PROSPECTORS ASSISTANCE PROGRAM
PROSPECTING REPORT FORM (continued)

B. TECHNICAL REPORT

- One technical report to be completed for each project area.
- **Refer to Program Requirements/Regulations, section 15, 16 and 17.**
- If work was performed on claims a copy of the applicable assessment report may be submitted in lieu of the supporting data (*see* section 16) required with this TECHNICAL REPORT.

Name Stephen Kocsis Reference Number 96/97-P~~1~~2

LOCATION/COMMODITIES

Project Area (as listed in Part A) Nugget Mountain MINFILE No. if applicable _____

Location of Project Area NTS 93A14W Lat 52°, 58' Long 121°, 25'

Description of Location and Access Nugget Mountain on east side of upper Antler Creek. Drive 5 km E from Wells along Hwy 26, 13.5 km E along 3100 Road, and 5 km N along upper Antler Creek Road.

Main Commodities Searched For Lode gold.

Known Mineral Occurrences in Project Area 1.2 million oz produced from pyritized dolomitic siltstone/quartzite called replacement ore, and from pyritic quartz-filled fissures along NE trending Miocene faults.

WORK PERFORMED

1. Conventional Prospecting (area) 12 square km
2. Geological Mapping (hectares/scale) 300 Ha, 1:5,000
3. Geochemical (type and no. of samples) 49 rock, 129 soil
4. Geophysical (type and line km) _____
5. Physical Work (type and amount) 200 square m trenching, 2100 m grid lines.
6. Drilling (no,. holes, size, depth in m, total m) _____
7. Other (specify) Panning overburden - concentrate analyses.

SIGNIFICANT RESULTS

Commodities Gold Claim Name 341231

Location (show on map) Lat 53°, 58.4' Long 121°, 24.5' Elevation 4500 ft asl

Best assay/sample type 27 linear m soil 73 to 599 ppb Au. 40 linear m soil 13 to 327 ppb Au. Rock-4.77 g/t Au.

Description of mineralization, host rocks, anomalies Quartz float with 80% massive pyrite containing 4.77 g/t Au found near two Au soil geochem anomalies with soils reaching 599 ppb Au, 616 ppm As, and high base metals. Host rock is chloritic/sericitic phyllite, dolomitic quartzite, and thin layers of fine-crystalline limestone.

Supporting data must be submitted with this TECHNICAL REPORT

Information on this form is confidential for one year from the date of receipt subject to the provisions of the *Freedom of Information Act.*

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Figures

Summary

About 3 km^2 of bedrock across the western portion of the Nugget Mountain Mineral Property was mapped on a 1:5,000 scale. A total of 129 soil samples along 7 geochem lines, and 49 rock samples were collected. All samples were submitted to Acme Analytical Laboratories Ltd. for analyses. Various elements plus Au concentrations were determined by a multi-element ICP package for soils, and Au in rocks were determined by fire assays.

Bedrock across the western portion of the Property is made up of mid to late Paleozoic metasediments of the Downey succession. The carbonate-bearing and metabasaltic components of this succession are important host rocks for gold mineralization in different parts of the Wells/Barkerville area. Past lode gold production in the Wells Gold Camp totals about 1.2 million oz. Gold was produced from pyritic dolomitic siltstone layers called replacement ore, and from fault controlled quartz/sulfide-filled fissures.

Two neighbouring arsenic/gold geochem anomalies were identified on the Property in soils at a location 600 m northeast of the confluence of Nugget Gulch and Antler Creek. Bedrock in the survey area is less than 2 m deep in most places, but exposures are sparse. The west anomaly consists of 5 soil samples collected over 40 linear meters where arsenic and gold concentrations reach 107 ppm As and 327 ppb Au. Two quartz floats collected from the west anomaly-site contained 0.93 and 0.28 g/t Au. The east anomaly is represented by 5 soil samples collected over 27 linear meters where arsenic and gold values reach 616 ppm As and 599 ppb Au. Dolomitic finely-granular quartzite layers were mapped 500 m along strike to the northwest from the east anomaly-site. Replacement-type gold mineralization along these layers could be responsible for high concentrations of arsenic and gold at the east anomaly-site. A small bedrock-incised drainage pattern was traced up the slope of Nugget Mountain to the east anomaly-site from the point where it drains into Antler Creek. One massive pyrite cobble that was collected at the base of this drainage cut contained 4.77 g/t Au.

An estimated 300,000 oz of placer gold was produced along Antler Creek at locations distributed across a 3 km section that starts near the confluence of Victorian Creek and continues downstream. At the Wells Gold Camp, Mosquito Creek and Lowhee Creek placer gold production totals 200,000 oz and 74,000 oz respectably. The similarity between placer gold production in both areas suggests that the Nugget Mountain Mineral Property has potential for significant lode gold occurrences.

Property Description

The Nugget Mountain Mineral Property consists 46 two-post mineral claims and 2 placer claims (see below and figure 9). The Property is situated along upper Antler Creek and can be located on NTS map number 93A14W (latitude 52° 58′, longitude 121° 25′). To reach the Property, drive 5 km east from Wells along Highway 26, 0.5 km north along the Bowron Lake Road, 13.5 km east along the 3100 Road, and 5 km south along the upper Antler Creek Road (see figure 1):

Tenure Number	Claim Name	Anniversary Date
Mineral Claims		
341226	Nugget Mountain 1	Oct 12, 1998
341227	Nugget Mountain 2	Oct 12, 1998
341228	Nugget Mountain 3	Oct 12, 1998
341229	Nugget Mountain 4	Oct 12, 1998
341230	Nugget Mountain 5	Oct 12, 1998
341231	Nugget Mountain 6	Oct 12, 1998
341232	Nugget Mountain 7	Oct 12, 1998
341233	Nugget Mountain 8	Oct 12, 1998
341234	Nugget Mountain 9	Oct 12, 1998
341235	Nugget Mountain 10	Oct 12, 1998
341236	Nugget Mountain 11	Oct 22, 1998
341237	Nugget Mountain 12	Oct 22, 1998
341238	Nugget Mountain 13	Oct 22, 1998
341239	Nugget Mountain 14	Oct 22, 1998
344943	Nugget Mtn 25A	Apr 09, 1999
344944	Nugget Mtn 26A	Apr 09, 1999
344945	Nugget Mtn 27A	Apr 09, 1999
344946	Nugget Mtn 28A	Apr 09, 1999
344947	Nugget Mtn 29A	Apr 09, 1999
344948	Nugget Mtn 30A	Apr 09, 1999
344949	Nugget Mtn 31A	Apr 09, 1999
344950	Nugget Mtn 32A	Apr 09, 1999
344951	Nugget Mtn 33A	Apr 09, 1999
344952	Nugget Mtn 34A	Apr 09, 1999
344953	Nugget Mtn 35A	Apr 09, 1999
344954	Nugget Mtn 36A	Apr 09, 1999
344955	Nugget Mtn 37A	Apr 09, 1999
344956	Nugget Mtn 38A	Apr 09, 1999
344957	Nugget Mtn 39A	Apr 09, 1999
344958	Nugget Mtn 40A	Apr 09, 1999
344959	Nugget Mtn 41A	Apr 09, 1999
344960	Nugget Mtn 42A	Apr 09, 1999
344961	Nugget Mtn 43	Apr 09, 1999
344962	Nugget Mtn 44	Apr 09, 1999
344963	Nugget Mtn 45	Apr 09, 1999

Tenure Number	Claim Name	Anniversary Date
Mineral Claims		
344964	Nugget Mtn 46	Apr 09, 1999
344965	Nugget Mtn 47	Apr 11, 1999
344966	Nugget Mtn 48	Apr 11, 1999
344967	Nugget Mtn 49	Apr 11, 1999
344968	Nugget Mtn 50	Apr 11, 1999
344969	Nugget Mtn 51	Apr 11, 1999
344970	Nugget Mtn 52	Apr 11, 1999
344971	Nugget Mtn 53	Apr 11, 1999
344972	Nugget Mtn 54	Apr 11, 1999
344973	Nugget Mtn 55	Apr 11, 1999
344974	Nugget Mtn 56	Apr 11, 1999
Placer Claims		
307011	Highgrade	Jan 11, 1997
318158	Bigtime	Jun 16, 1996

Regional Bedrock Geology

In the Barkerville area lode gold is hosted by middle Paleozoic carbonate-bearing and metabasaltic rocks of the Downey Succession (see figure 2). The Downey is one of the carbonate-rich successions in the Barkerville Terrane. The terrane is dominated by continental shelf and slope clastics, carbonates and fine-grained pyroclastic rocks.

Gold mineralization in the Barkerville area is known to have three controls; **1)** *Stratigraphic controls* - placer and lode gold deposits are primarily associated with bedrock belonging to the Downey Succession; **2)** *Structural controls* - auriferous replacement pyrite in dolomitic siltstone layers are located along hinge zones and less frequently along the limbs of regional and minor folds, and gold-bearing quartz veins are most commonly associated with stress fields around Miocene northerly striking faults; **3)** *Metamorphic controls* - lode gold concentrations are mainly confined to rocks exhibiting a chlorite grade of metamorphism.

Lode gold was mined from the Downey succession at locations 18 km northwest of the Property near Wells on Cow Mountain and Island Mountain. About 1.2 million ounces was produced from the Wells mining camp. The gold was hosted in pyritic dolomitic siltstone layers and in fault controlled quartz-filled fissures. About 300,000 oz of placer gold was produced along Antler Creek on the Nugget Mountain Property from 1859 to 1861.

Property Bedrock Geology

The western half of the Nugget Mountain Property consists of bedrock belonging to the Downey succession. The eastern portion is made up of bedrock belonging to the Hardscrabble Mountain succession. The contact between the two successions is located unconformably along a strike-slip fault that trends north to northwest across the central portion of the Property. Rocks of the Hardscrabble Mountain succession on the Property have been mapped mainly as dark grey to black graphitic phyllite, and less dark-colored siltite and micaceous quartzite. Exploration work is focussed on bedrock belonging to the Downey succession in locations along the western slope of Nugget Mountain.

In decreasing order of abundance, Downey rocks across the Property consists of olive and grey phyllite, grey micaceous quartzite, dark grey to black graphitic phyllite, light grey to black limestone, micaceous and non micaceous quartz carbonate, and green schist or meta-basaltic tuff.

The Downey rocks across the Property were mapped as five distinct units and one sub-unit (see figure 2). Units 1 to 4 progressively represents the succession from top to bottom, or younger to older rocks. **Unit 1** is characterized by the abundance of light olive-colored fissile phyllite. These phyllites lack the textures seen in Unit 2. Layers of olive-colored phyllites in **Unit 2** are more commonly quartzitic and/or carbonate-bearing. The main carbonate component consists of ankerite phenocrysts that reach up to 3 mm in diameter. Layers of micaceous quartzite and less pure quartzite, minor green schist, and rare thin layers of limestone all occur in this Unit 2.

Unit 3 differs from Unit 2 by the abundance of light grey-colored phyllites, otherwise both units contain the same rock-types. A 3 m layer of brown finely-granular dolomitic quartzite (see dq, figure 2) was mapped in the central part of Unit 3 along Antler Creek. The quartzite resembles layers of dolomitic siltstone found at the Cariboo Gold Quartz Mine where they host lenticular-shaped gold-bearing pyritic ore bodies.

Unit 4 contains a large number of finely-crystalline limestone layers, otherwise this unit is similar to Unit 2. The limestone colors vary with shades of grey and are black where rich in organo-pelitic material. In places the limestone is partly silicified and bleached to a light grey, tan or white color. On the east side of Antler Creek, the northern-most limestone layer is sheared and exhibits a strong brown-colored gossan. The discoloration is mostly due to weathered siderite. This exposure contains up to 20% narrow quartz and calc-silica vein stockwork. Occasional veins contain patches of semi-massive galena and pyrite. Rock samples 21404 and 21405 from this outcrop did not

return significant gold values. Soil samples A00098S to A00101S were taken directly above the buried portion of the limestone gossan for comparison reference purposes. Another rock type identified in Unit 4 is a highly weathered red micaceous quartz carbonate (see qc, figure 2). This layer was exposed in a trench along the Nugget Gulch Road near the central part of unit 4.

Unit 5 has been assigned to sequences of darker colored phyllite and quartzite. The rocks are predominantly medium to dark grey. Sub-unit 5b consists of black graphitic phyllite. The southern-most 5b sub-unit contains up to 10% disseminated pyrite.

Geochem Soil Survey

Grid Procedure

A 2,500 m long baseline was constructed over the Nugget Mountain Property. The baseline runs along the lower eastern slope of Nugget Mountain along a 360° azimuth. Sample stations have been assigned northing and easting grid coordinate numbers. The south end of the baseline lies on the south claim boundary and has been assigned the reference station coordinate number 10000N/10000E. Distances measured in meters north and east of the reference station are added to the respective 10000N/10000E coordinate number, and distances south and west are subtracted. For example; coordinate 12000N/10200E represents a position on the grid 2000 m north and 200 m east of the reference station.

Sample lines are aligned in east-west directions and are spaced about 100 m apart. The normal sample interval along each line is 20 m.

Sampling Procedure

A soil tube auger capable of retrieving material up to 120 cm deep was used to collect soil samples. Samples were selected from the base of the B horizon where material preferably consisted of a mixture of local fragmented bedrock and clay/silt derivatives. The typical soil profile in the coniferous-forested survey area comprises of distinct Podzolic horizons forming a decompose of parental bedrock usually not more than 2 m thick.

Geochemical Results

Sample numbers, coordinate numbers along 7 east-west lines (see figures 4 and 7), and respective Au ppb geochem results (see figures 5 and 7) are given below. Normal station intervals are

20 m, but some intervals are smaller. Soil horizon descriptive definitions are; BT - brown, clay-rich horizon; BF - red brown, iron-rich horizon; and C1 - weathered bedrock. The base of horizons sampled are given in centimeters for lines 12000N and 11230N. See Geochemical Analyses Certificate (Acme Analytical Laboratories Ltd. - Appendix 1) for 30 element plus Au ppb results and procedures:

Geochem Line 12000N

Sample	Easting	Northing	Soil Horizon	Base (cm) Horizon	Au ppb
A00001S	10000	12000	BT	60	6
A00002S	10020	12000	BT	50	10
A00003S	10040	12000	BT	70	9
A00004S	10060	12000	BT	50	4
A00005S	10080	12000	BT	40	5
A00006S	10100	12000	BT	35	9
A00007S	10120	12000	BT	50	14
A00008S	10140	12000	BT	50	10
A00009S	10160	12000	BT	40	20
A00010S	10180	12000	BT	60	11
A00011S	10200	12000	BT	40	2
A00012S	-9980	12000	BT	55	6
A00013S	-9960	12000	BT	40	45
A00014S	-9940	12000	BT	45	5
A00015S	-9920	12000	BT	25	1
A00016S	-9900	12000	BT	20	<1
A00017S	-9880	12000	BT	25	7
A00018S	-9860	12000	BT	45	1
A00019S	-9840	12000	C1	20	<1

Geochem Line 11330

Sample	Easting	Northing	Au ppb
A00103S	10000	11330	6
A00104S	-9980	11330	7
A00105S	-9960	11330	7
A00106S	-9940	11330	10
A00107S	-9920	11330	22
A00108S	-9900	11330	5
A00109S	-9880	11330	5
A00110S	-9860	11330	11
A00111S	-9840	11330	7
A00112S	-9820	11330	48
A00113S	-9800	11330	1
A00114S	-9780	11330	1
A00115S	-9760	11330	3
A00116S	-9740	11330	<1
A00117S	-9720	11330	1
A00118S	-9700	11330	20
A00119S	-9680	11330	18
A00120S	-9660	11330	23
A00121S	-9648	11330	6

Geochem Line 11230

Sample	Easting	Northing	Soil Horizon	Base (cm) Horizon	Au ppb
A00020S	10000	11230	BT	60	3
A00021S	-9980	11230	BT	55	11
A00022S	-9960	11230	BT	30	4
A00023S	-9940	11230	BT	60	4
A00024S	-9920	11230	BF	60	11
A00042S	-9916	11230	BT	50	8
A00043S	-9912	11230	BT	40	12
A00044S	-9908	11230	BT	65	7
A00045S	-9904	11230	BT	80	8
A00025S	-9900	11230	BT	45	103
A00046S	-9895	11230	BT	110	599
A00047S	-9890	11230	BT	45	293
A00026S	-9880	11230	BT	35	80
A00102S	-9873	11230	BF	95	73
A00027S	-9860	11230	BT	100	9
A00028S	-9840	11230	BT	40	6
A00029S	-9820	11230	C1	30	4
A00030S	-9800	11230	BT	60	5
A00031S	-9780	11230	BT	25	3
A00032S	-9760	11230	C1	20	1
A00033S	-9740	11230	BT	50	4
A00034S	-9720	11230	BT	75	2
A00035S	-9700	11230	BT	120	4
A00036S	-9690	11230	C1	25	23
A00037S	-9680	11230	C1	20	327
A00038S	-9670	11230	C1	25	292
A00039S	-9860	11230	C1	25	13
A00040S	-9650	11230	C1	25	55
A00041S	-9640	11240	C1	30	3

Geochem Line 11130

Sample	Easting	Northing	Au ppb
A00055S	10140	11130	4
A00054S	10120	11130	9
A00053S	10100	11130	4
A00052S	10080	11130	7
A00051S	10060	11130	3
A00050S	10040	11130	6
A00049S	10020	11130	2
A00048S	10000	11130	11
A00056S	-9980	11130	4
A00057S	-9960	11130	7
A00058S	-9940	11130	14
A00059S	-9920	11130	6
A00060S	-9900	11130	16
A00061S	-9880	11130	9
A00062S	-9860	11130	11
A00063S	-9840	11130	12
A00064S	-9820	11130	9
A00065S	-9800	11130	20
A00066S	-9780	11130	15
A00067S	-9760	11130	21
A00068S	-9740	11130	7
A00069S	-9720	11130	7
A00070S	-9707	11130	22
A00071S	-9695	11130	1
A00072S	-9680	11130	<1
A00073S	-9670	11130	<1
A00074S	-9660	11130	1
A00075S	-9640	11130	5

Geochem Line 11060

Sample	Easting	Northing	Au ppb
A00122S	10220	11060	4
A00123S	10240	11060	1
A00124S	10260	11060	3

Geochem Line 11030

Sample	Easting	Northing	Au ppb
A00076S	10000	11030	6
A00077S	-9980	11030	298
A00078S	-9960	11030	17
A00079S	-9940	11030	7
A00080S	-9920	11030	9
A00081S	-9900	11030	5
A00082S	-9880	11030	11
A00083S	-9860	11030	4
A00084S	-9840	11030	35
A00085S	-9820	11030	4
A00086S	-9800	11030	4
A00087S	-9780	11030	4
A00088S	-9760	11030	4
A00089S	-9740	11030	1
A00090S	-9730	11030	32
A00091S	-9720	11030	9
A00092S	-9690	11030	3
A00093S	-9675	11030	8
A00094S	-9660	11030	4
A00095S	-9650	11030	15
A00096S	-9630	11030	25
A00097S	-9615	11030	8

Geochem Line 10980

Sample	Easting	Northing	Au ppb
A00125S	10190	10980	3
A00126S	10210	10980	9
A00127S	10230	10980	3
A00128S	10250	10980	<1
A00129S	10270	10980	1

Limestone Gossan Location

Sample	Easting	Northing	Au ppb
A00098S	-9640	11070	5
A00099S	-9640	11050	44
A00100S	-9650	11050	18
A00101S	-9647	11073	10

All samples collected from the survey site appear to be soils that formed by various degrees of bedrock weathering, and not from the weathering of sediments such as alluvium or till. For

this reason, soil samples containing high gold and related path-finder element values most likely resulted from the weathering of very local mineralized bedrock. All soil horizons sampled contained various amounts of angular local bedrock fragments (5 to 80%). Bedrock depths will probably not exceed 2 m. Slope azimuth and steepness have been catalogued in field notes for lines 12000N and 11230N. This information can be used at a later time for determining trends of soil solifluction and element dispersion.

Two gold-arsenic soil anomalies were identified along line 11230N (see figure 5). The east anomaly consists of values ranging from 73 to 599 ppb Au and 138 to 616 ppm As across 27 m. The west anomaly has a range of values from 13 to 327 ppb Au and 3 to 107 ppm As across 40 m. A single-station gold anomaly (298 ppb Au) was recorded on the east end of line 11030N.

Four soil samples were collected from an area above a buried portion of the sheared limestone gossan to determine the degree of chemical mobilization of gold and lead from this weakly-mineralized structure. Gold values in the soils ranged from 5 to 48 ppb and lead values ranged from 142 to 409 ppm. The limestone gossan outcrop contained rare patches of galena and pyrite, and both rock samples collected (21404 and 21405) returned values of 0.03 g/t Au.

Conclusion

The east gold anomaly on line 11230N has a strong arsenic/base metal association and suggests the presence of a local auriferous sulfide-rich quartz-filled fissure or possibly replacement-type gold mineralization in layered pyritic dolomitic siltstone. This anomaly does not clearly extend into neighbouring sample lines, but may be related to gold values found at two other stations. If gold values found at stations A00076S (line 11030N, 298 ppb Au) and A00112S (line 11330N, 48 ppb Au) are related to the east anomaly, then gold mineralization could be occurring along some type of structure closely following the regional strike of bedrock; or striking 333°. Dolomitic finely-granular quartzite was mapped along the extension of this strike where it crosses Antler Creek (see dq in Unit 3, figure 2). Five barren quartz samples from veins and floats were sampled near station A00112S (see figure 4) where bedrock was scarcely exposed, but no significant gold values were recorded.

Six quartz samples were taken from veins and floats near the west gold soil anomaly (see figure 6). Two of the quartz float samples (21217 and 21214) returned values of 0.28 and 0.93 g/t Au. These floats were arranged with a numerous amount of other quartz floats along a 20° lineament, and probably derived from a cross-cut fault-controlled vein. Since line 11230N intersects

the cross-cut vein at a high oblique angle, it is unlikely that this structure is alone responsible for the 40 m long west Au anomaly.

Geochem Rock Survey

A total of 49 rock samples collected over the Antler Property were sent to Acme Analytical Laboratories Ltd. Samples 21001 to 21005, and 21201 to 21227 were pulverized and sieved into -100 and +100 mesh portions. Au was determined by partial (10 g) fire assay from 1 A.T. for the -100 mesh portion, and total sample fire assay for the +100 mesh portion. The remaining samples were only assayed from a -100 fraction. The certified assay results (total Au opt or Au ppb) are given in Appendix 1. Listed below are sample descriptions and respective total Au values converted to g/t. See figures 3 and 6 for rock sample locations. Samples 21001 to 21005 were taken from Trench 1; trench strikes west-east and 00m is the west end of trench:

Sample Number	Description	Au g/t
21001	1 m channel sample across strike at 00 + 0 m east, olive chloritic sericite quartzite, trace f gr disseminated py, S1-300°/77°N.	0.06
21002	0.5 m channel sample across strike at 00 + 3 m east, as above, <1% py.	0.03
21003	1 m channel sample across strike at 00 + 5 m east, olive talc chloritic sericite phyllite with 60% quartz breccia, up to 2% py.	0.12
21004	00 + 5 m east, 25 cm wide cross-cut quartz vein striking 30°, light yellow brown stained, vuggy and moderately fractured.	<0.03
21005	1 m channel sample at 00 + 5 m east, black arg limestone, 15% quartz stringers, <1% f gr dis py.	0.03
21201	1 m wide discontinuous cross-cut quartz vein with 3% patches of massive f-c gr py.	0.25
21202	Scattered brown-stained broken quartz along old cat trail.	0.03
21203	Scattered white quartz fragments along old cat trail.	<0.03
21204	Broken brown-stained quartz vein fragments along old cat trail.	0.03
21205	50 cm wide quartz vein parallel to S1-318°/78°N, grid location 10000E/12195N.	0.03
21206	30 cm wide quartz vein parallel to S1, grid location 10000E/12196E.	<0.03
21207	25 to 40 cm wide cross-cut quartz vein, strike 3°.	0.03

Sample Number	Description	Au g/t
21208	10 cm wide quartz vein parallel to S1.	0.03
21209	50% quartz veins parallel to S1.	0.06
21210	40 cm wide quartz vein parallel to S1.	<0.03
21211	3 narrow cross-cut quartz veins striking 37°, totalling 30 cm across 40 cm zone.	0.03
21212	20 cm quartz vein parallel to S1, faint yellow brown stain along fractures, 10% siderite, 3% c gr sericite.	0.16
21213	25 cm wide ductile-displaced broken quartz vein 20% c gr siderite.	<0.03
21214	45 cm dia quartz boulder from historical trench, grid location -9680E/11230N.	0.93
21215	20 cm dia quartz boulder, grid location -9680E/ 11225N.	0.03
21216	4 parallel quartz veins 5 to 10 cm wide across 2 m wide zone of pyritic sericite phyllite, veins parallel to S1-290°/80°N, grid location -9680E/11202N.	0.03
21217	30 cm diameter quartz float, 5% streaky semi massive m-gr py, grid location -9680E/11200N.	0.28
21218	30 cm wide quartz vein, strike 310°/70°N, grid location -9675E/11195N.	0.03
21219	20 cm wide cross-cut quartz vein, strike 20°/vertical, grid location -9675E/11215N.	<0.03
21220	1 m wide quartz vein in historical trench, parallel to S1-320°/75°S, adit located 100 m NW along strike from trench.	0.06
21221	Chips from quartz boulder dump near historical trench described above.	0.03
21222	25 cm dia quartz float.	0.03
21223	20 cm wide quartz vein parallel to S1-320°.	<0.03
21224	35 cm dia quartz boulder.	0.03
21225	25 cm wide quartz vein in fault gouge striking 270° plunge vertical, black graphitic phyllite S1-320°/80°N.	0.03
21226	multiple parallel quartz veins 10 to 20 cm wide, 40 cm dia brecciated quartz fragments adjacent to fault gouge.	0.22
21227	35 cm wide quartz vein in historical trench, strike obscured.	0.28
21228	45 cm dia quartz boulder, stained brown.	<0.03
21229	35 cm wide quartz vein parallel to S1-322°/vertical.	<0.03
21230	45 cm wide cross-cut quartz vein striking 32°, 15% brown Fe-oxide, 1% galena, 5% vug/qtz xls.	<0.03
21231	1 m wide quartz vein, 5% brown Fe-oxide, strike 304°/50°N.	<0.03
21232	10 to 15 cm wide quartz vein stocking in micaceous quartzite S1-297°/75°N.	<0.03

Sample Number	Description	Au g/t
21233	30 cm dia quartz boulder, 5% qtz xl-lined vugs, 5% brown Fe-oxide.	<0.03
21244	1 m wide silicified sericite phyllite with 35 cm wide quartz vein.	<0.03
21245	30 cm wide stocking quartz vein, located 5 m south of 21244.	<0.03
21246	25 cm wide cross-cut quartz vein, strike 257°/65°W, hostrock strike 305°/74°N.	<0.03
21247	90 X 60 cm quartz boulder with 15% patches of Fe-oxide.	<0.03
21248	1.3 m wide silicified phyllite layer with 20% quartz stockwork.	<0.03
21249	1 m wide quartz vein parallel to S1-310°/85°S.	<0.03
21250	same vein as above, located 15 m south along strike from 21249.	<0.03
21402	Dolomitic siltstone cobble with 20% banded massive f gr py.	0.07
21403	Quartz cobble with 80% massive f-c gr py.	4.77
21404	Limestone-quartz gossan with traces of galena in narrow calc-silica vein stockwork.	0.01
21405	20 cm wide calc-silica vein in above with 7% galena and 3% py.	0.03

Conclusion

From the 49 rock samples collected (mainly quartz veins), 7 quartz samples came back with values between 0.12 to 0.93 gpt. Gold grades along economic quartz veins at different mining camps are generally known to be erratic. For example; at the Idaho-Maryland property in California, Emperor Gold (VSE) reports that gold values within economic veins can be extremely erratic, with values varying from 0.05 to 89.4 opt over horizontal distances less than 3 m (The Northern Miner, 11/12/95, Vol. 81, No. 41). Higher gold values along some of the 7 weakly gold-mineralized quartz veins on the Nugget Mountain Property may appear at various strike locations.

From the 7 weakly gold-mineralized quartz samples, sample 21214 contained the most significant gold value (0.09 opt or 0.93 gpt). The sample was taken from a quartz boulder adjacent a historical hand-excavated trench near the site of Old Antler Town (see figure 6). The gold-bearing vein is accompanied by consecutive high Au soil values (23,327,292,13,55 ppb - 10 m spacing along geochem line 11230N). The vein is also centrally located along a 3 km section of Antler Creek where an estimated 300,000 oz of placer gold was mined.

One quartz cobble (sample 21403) containing 80% massive pyrite and 4.77 g/t Au was found at the base of Nugget Mountain; near the west end of geochem line 11330N (figure 6). This cobble and surrounding clasts appear to have been transported down slope along a postglacial fluvial-cut bedrock incision that originates at the east Au soil anomaly-site (figure 5, line 11230N).

Recommendation

The geochem soil survey should be expanded to the north and south with particular attention focussed on the strike extension of dolomitic finely-granular quartzite layers found in Downey Unit 3. Auriferous replacement-type mineralization along these layers may be responsible for anomalous gold, arsenic and base metal values found at the east Au soil anomaly-site on line 11230N.

The east and west Au soil anomaly-sites along line 11230N should be trenched to determine the nature of gold mineralization in bedrock.

Known layers of dolomitic quartzite should be studied by searching along strike for new exposures. Additional widespread detailed mapping may lead to the discovery of other mineralized layers.

Additional sampling along strike extensions of the 7 weakly gold-mineralized quartz veins found on the Property is recommended.

Qualifications of the Author

I, Stephen Peter Kocsis, studied the Earth Sciences at the University of Waterloo and was issued a B.Sc. degree in 1983.

From February of 1980 to March of 1986 I was employed as a Petroleum Exploration Consultant; based out of Calgary, Alberta. I performed geological supervision at exploration and development wellsite locations throughout the Western Canadian Sedimentary Basin.

From 1982 to 1986 I worked on several Placer and Mineral Gold Exploration Projects in the B.C. Cariboo Mining District. I conducted this work during summer lay-off periods while employed with the Petroleum Exploration Industry - periods lasting up to 5 months each year.

From February 1987 to December of 1988 I was employed by the University of Toronto - Glaciated Basin Research Center. I was a Research Associate for Professor Nick Eyles and was a co-author on four published geological papers. Our work consisted of Glacial Geology research programs in the provinces of Ontario and British Columbia, and in the State of Alaska. My work primarily focused on the study of Pleistocene Placer Gold Deposits in the B.C. Cariboo Mining District.

From January of 1990 to present I have been residing in British Columbia and have been self employed as a Mining and Geological Consultant - specialized in Placer and Mineral Exploration in the Cariboo district. I have worked throughout the B.C. Cariboo Mining District, and in parts of the Yukon Territory.

For the period extending from June of 1995 to February of 1996, I was retained as a geologist by Gold City Mining Corp. and International Wayside Gold Mining Ltd. for an intensive gold exploration program along the Wells/Barkerville gold belt, central British Columbia.

Other work includes 40 days (1996) of reconnaissance mineral exploration in the Tilaran-Aguacate Gold Province, and placer gold exploration in the Golfo Dulce Gold Province of Costa Rica.

I belong to the B.C. Association of Professional Engineers and Geoscientists - P.Geo. certification issued July 6, 1993 (Registration Number 20451).

Per. _____

Stephen Kocsis, October 31, 1996

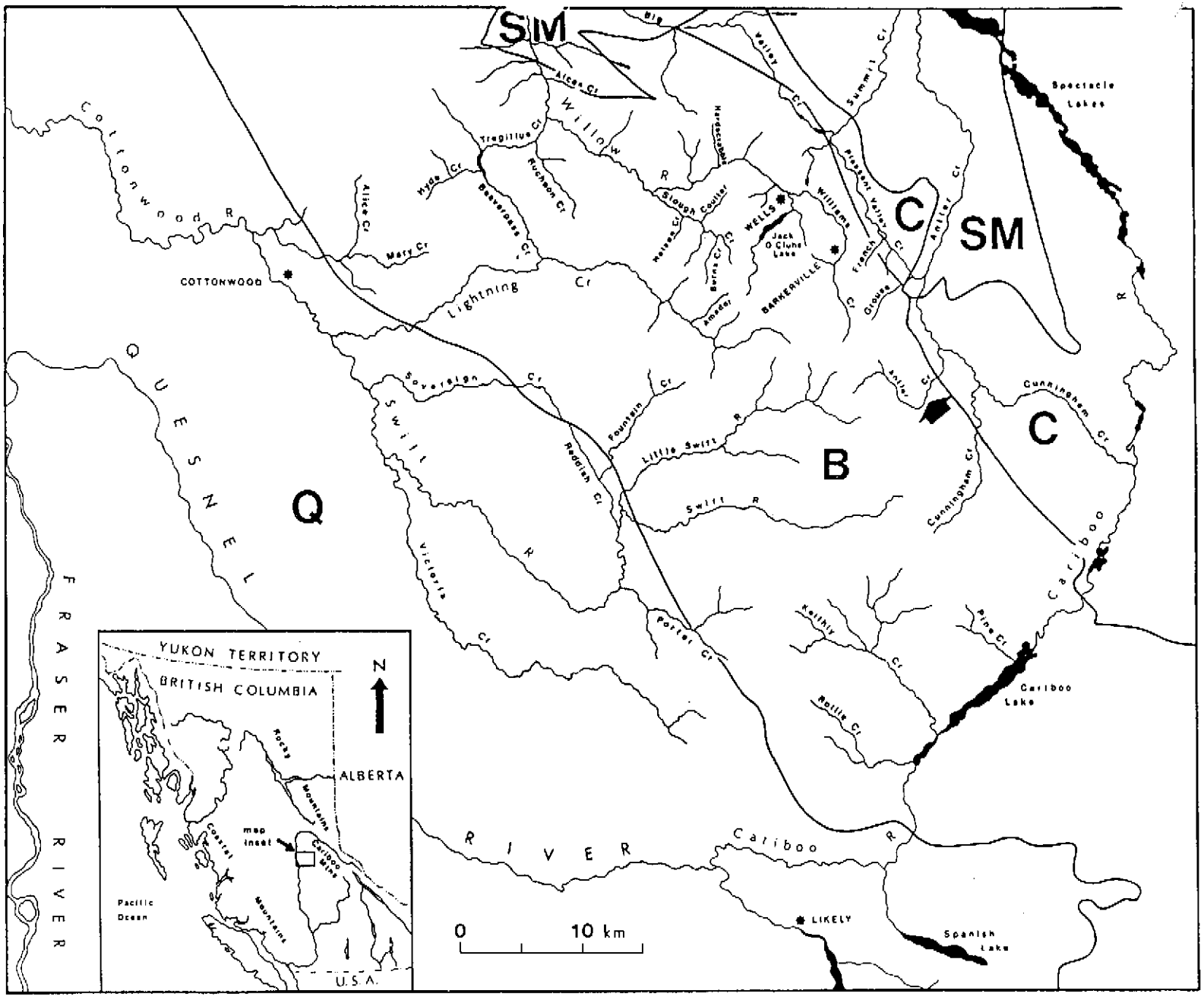


Figure 1. Location map showing 4 Geological Terranes; Q - Quesnel, B - Barkerville, C - Cariboo, SM - Slide Mountain.

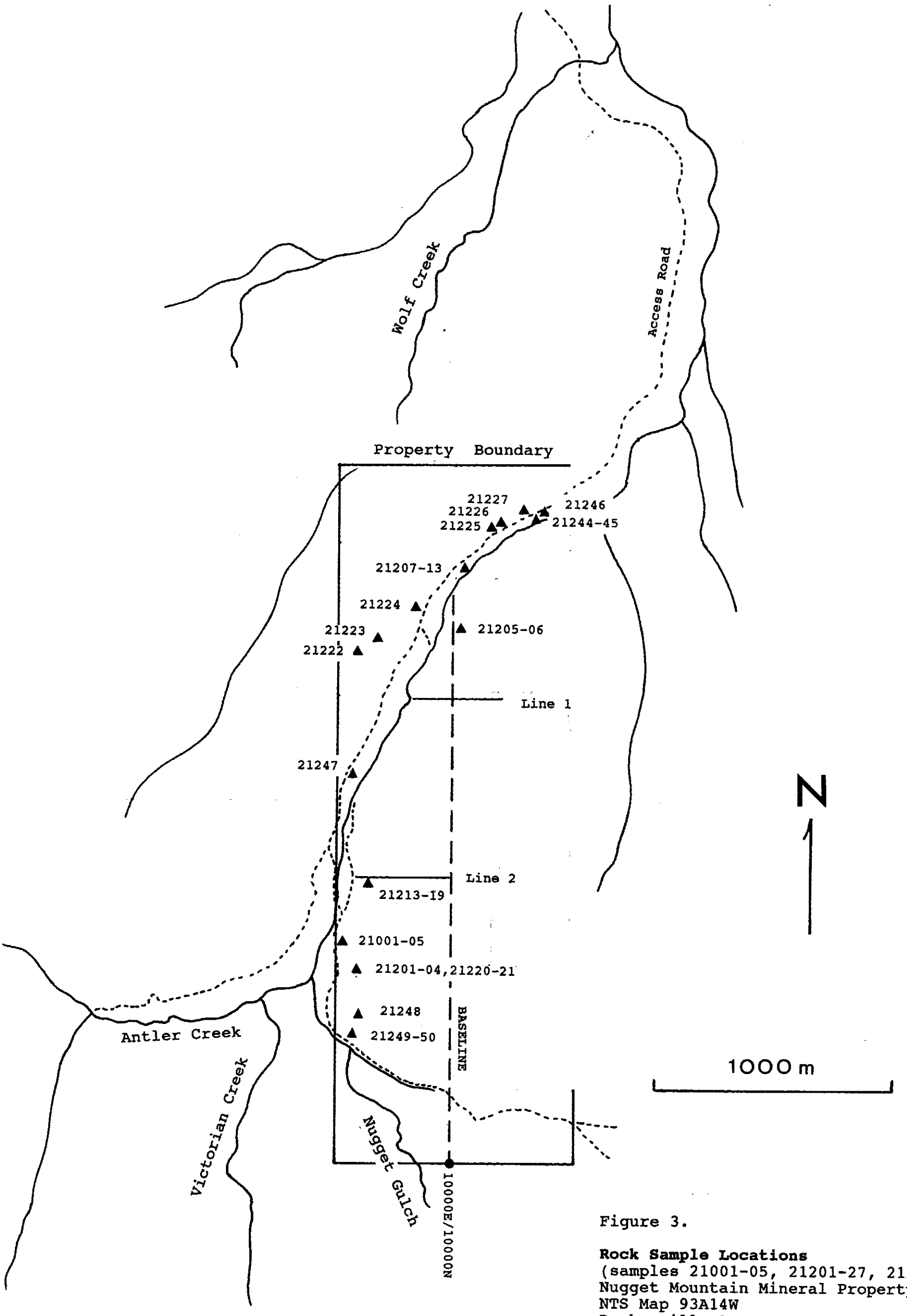


Figure 3.

Rock Sample Locations
(samples 21001-05, 21201-27, 21244-50)
Nugget Mountain Mineral Property
NTS Map 93A14W
Barkerville Area
Cariboo Mining District, B.C.

Scale. 1:16,000

Geochem Soil Lines:
Line 1. 12000N (10200E to -9840E)
Line 2. 11230N (10000E to -9640E)

Figure 4.

Geochem Soil Sample Locations
(lines 10980N, 11030N, 11060N,
11130N, 11230N, 11330N)
Nugget Mountain Mineral Property
NTS Map 93A14W
Barkerville Area
Cariboo Mining District, B.C.

Scale. 1:2,000

40 m

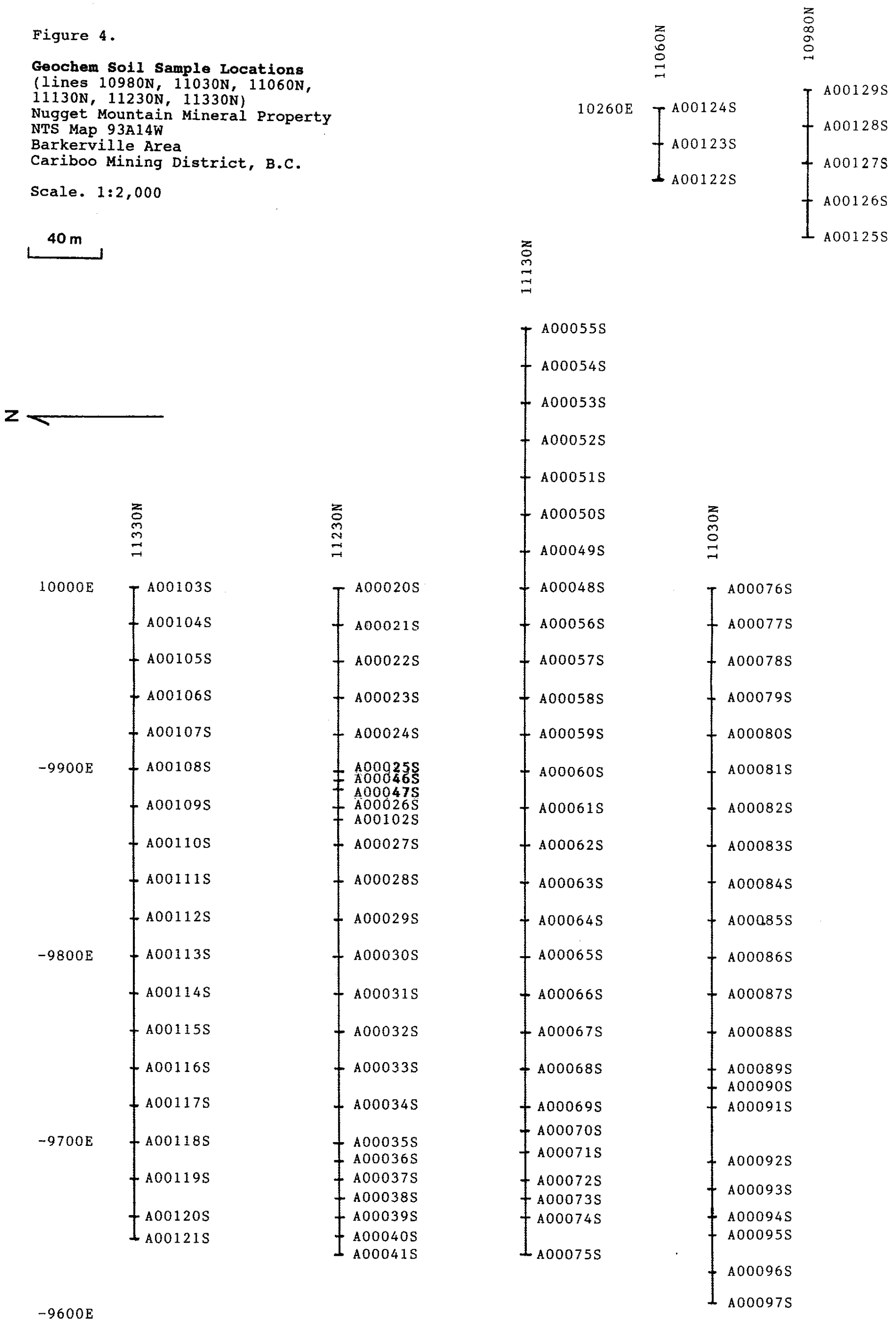


Figure 5.

Arsenic and Gold in Soils
(lines 10980N, 11030N, 11060N,
11130N, 11230N, 11330N)
Nugget Mountain Mineral Property
NTS Map 93A14W
Barkerville Area
Cariboo Mining District, B.C.

Scale. 1:2,000

As - ppm
Au - ppb

N

40 m

	11330N		11230N		11130N		11060N		10980N	
	As	Au	As	Au	As	Au	As	Au	As	Au
10000E	17	6	26	3	19	4				
	16	7	23	11	22	9				
	20	7	30	4	31	4				
	15	10	24	4	24	7				
	22	22	30	11	32	3				
-9900E	19	5	304	103	43	6				
			616	599						
	12	5	194	293	27	2				
			138	80						
	16	11	151	73	73	11				
			36	9						
	18	7	18	6	24	4				
	11	48	75	4	24	7				
-9800E	5	1	20	5	26	14				
	<2	1	26	3	22	6				
	15	3	8	1	21	16				
	6	<1	30	4	28	9				
	13	1	13	2	33	11				
-9700E	24	20	23	4	31	12				
			36	23						
	4	18	107	327	26	9				
			3	292						
	15	12	4	13	27	20				
	26	6	55	55						
			12	3	35	15				
					76	21				
-9600E					48	7				
					33	7				
					73	22				
					5	1				
					24	<1				
					<2	<1				
					16	1				
					15	5				

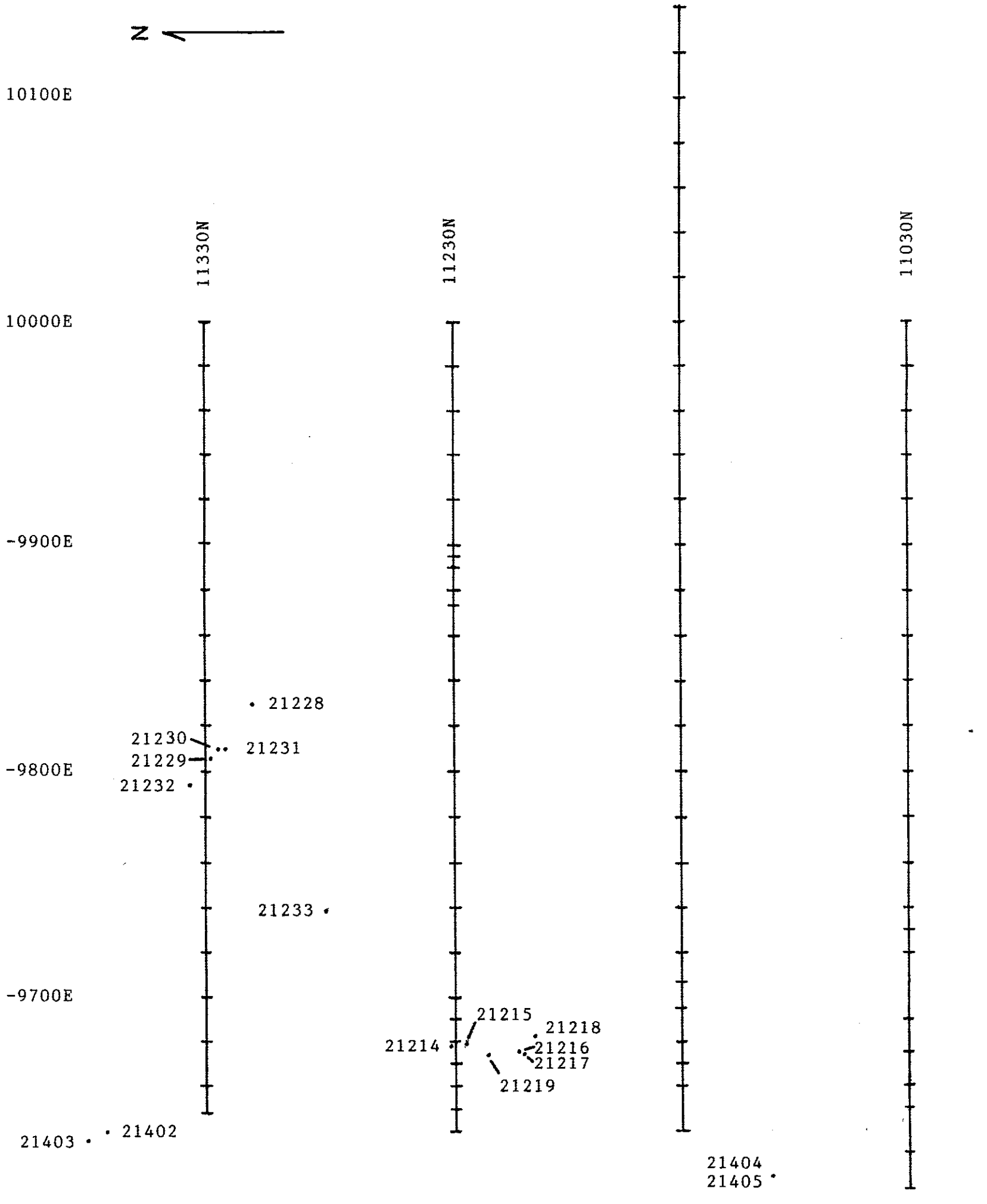
11030N	
As	Au
23	6
33	298
28	17
24	7
31	9
26	5
22	11
19	4
18	35
12	4
17	3
<2	4
15	4
3	1
5	32
9	9
41	3
<2	8
32	4
25	15
26	25
16	8

Figure 6.

Geochem Rock Sample Locations
(samples 21214-19, 21228-33, 21402-05)
Nugget Mountain Mineral Property
NTS Map 93A14W
Barkerville Area
Cariboo Mining District, B.C.

Scale. 1:2,000

40 m



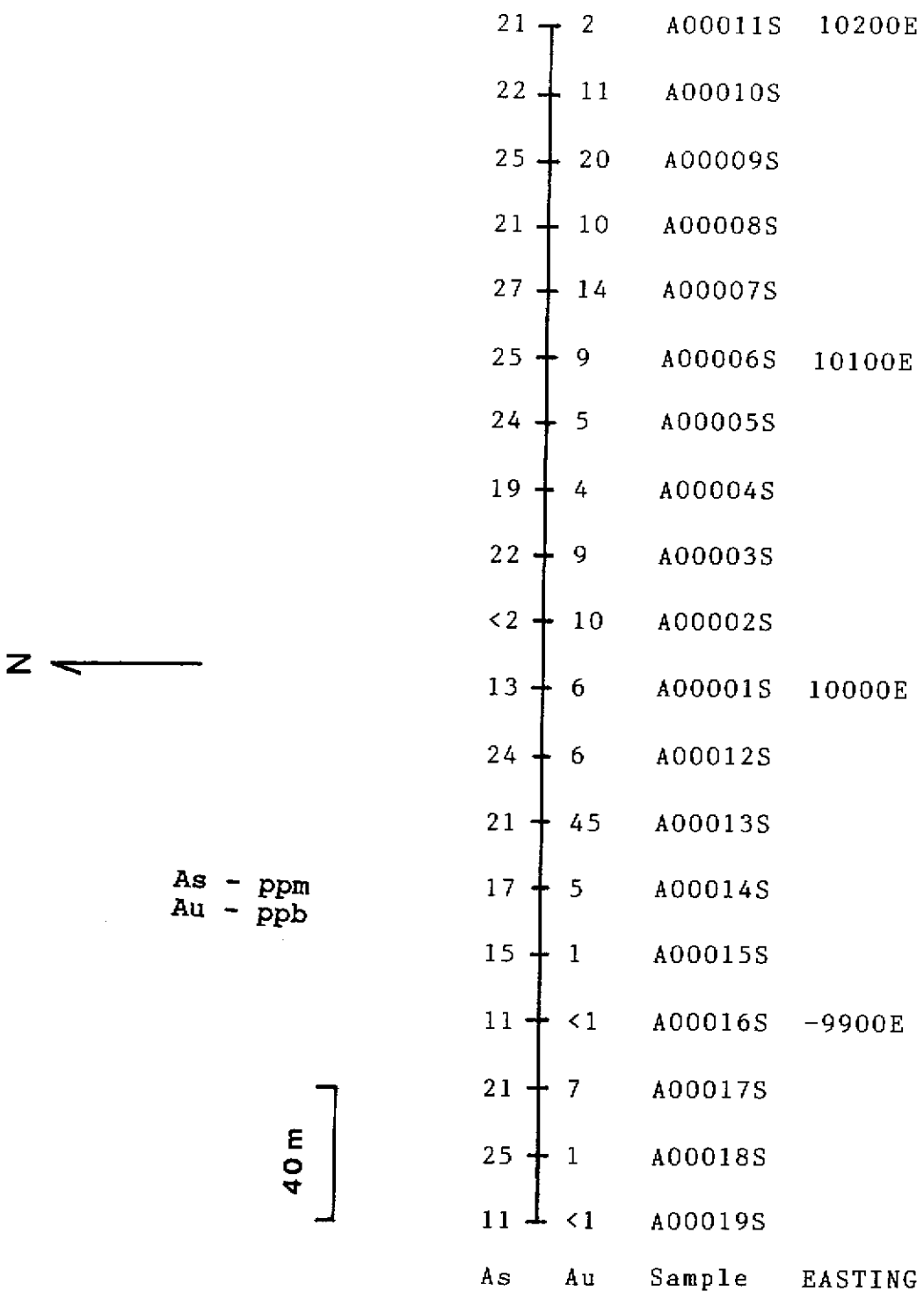


Figure 7.

Arsenic and Gold in Soils
(line 12000N)
Nugget Mountain Mineral Property
NTS Map 93A14W
Barkerville Area
Cariboo Mining District, B.C.

Scale. 1:2,000

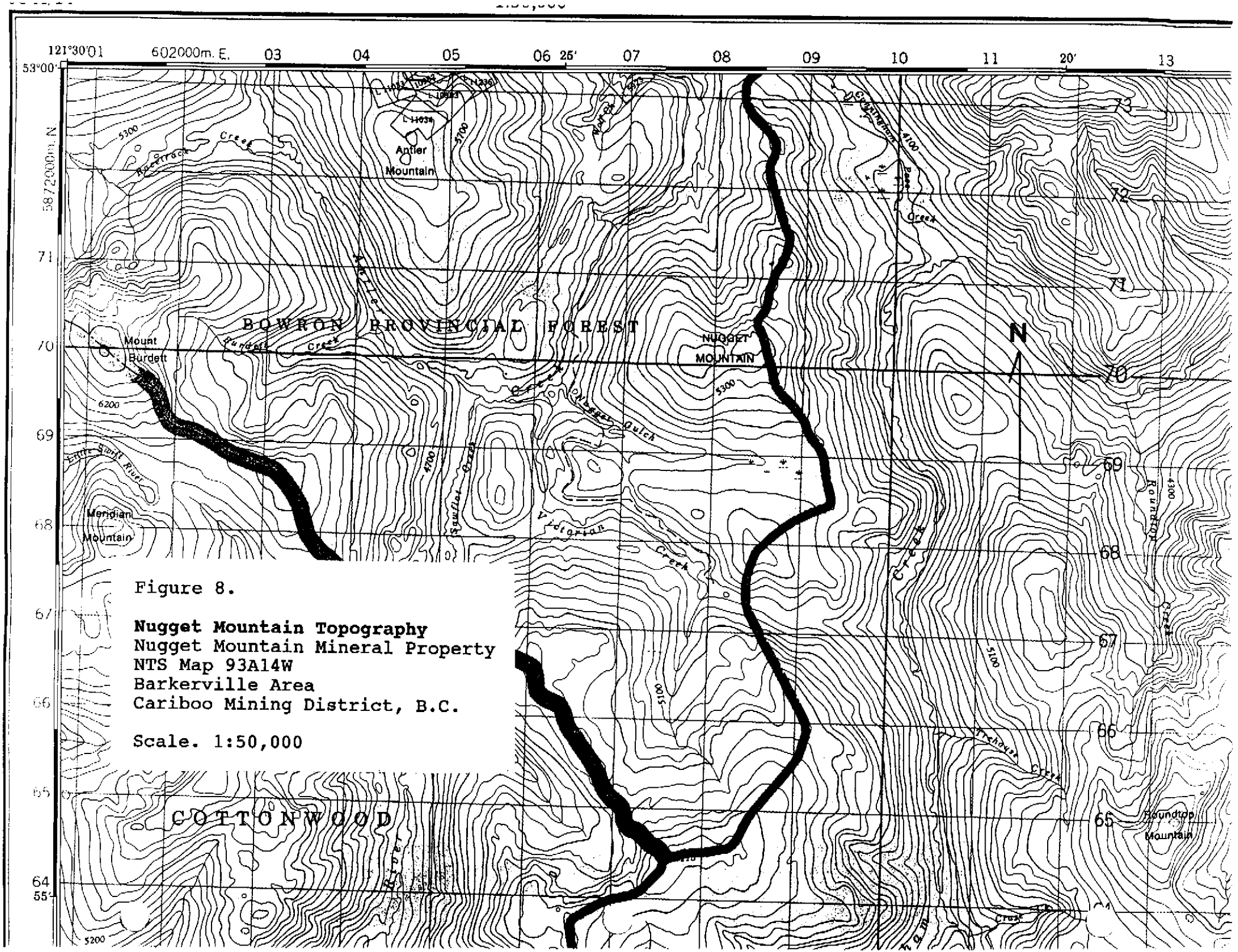


Figure 8.

Nugget Mountain Topography
Nugget Mountain Mineral Property
NTS Map 93A14W
Barkerville Area
Cariboo Mining District, B.C.

Scale. 1:50,000

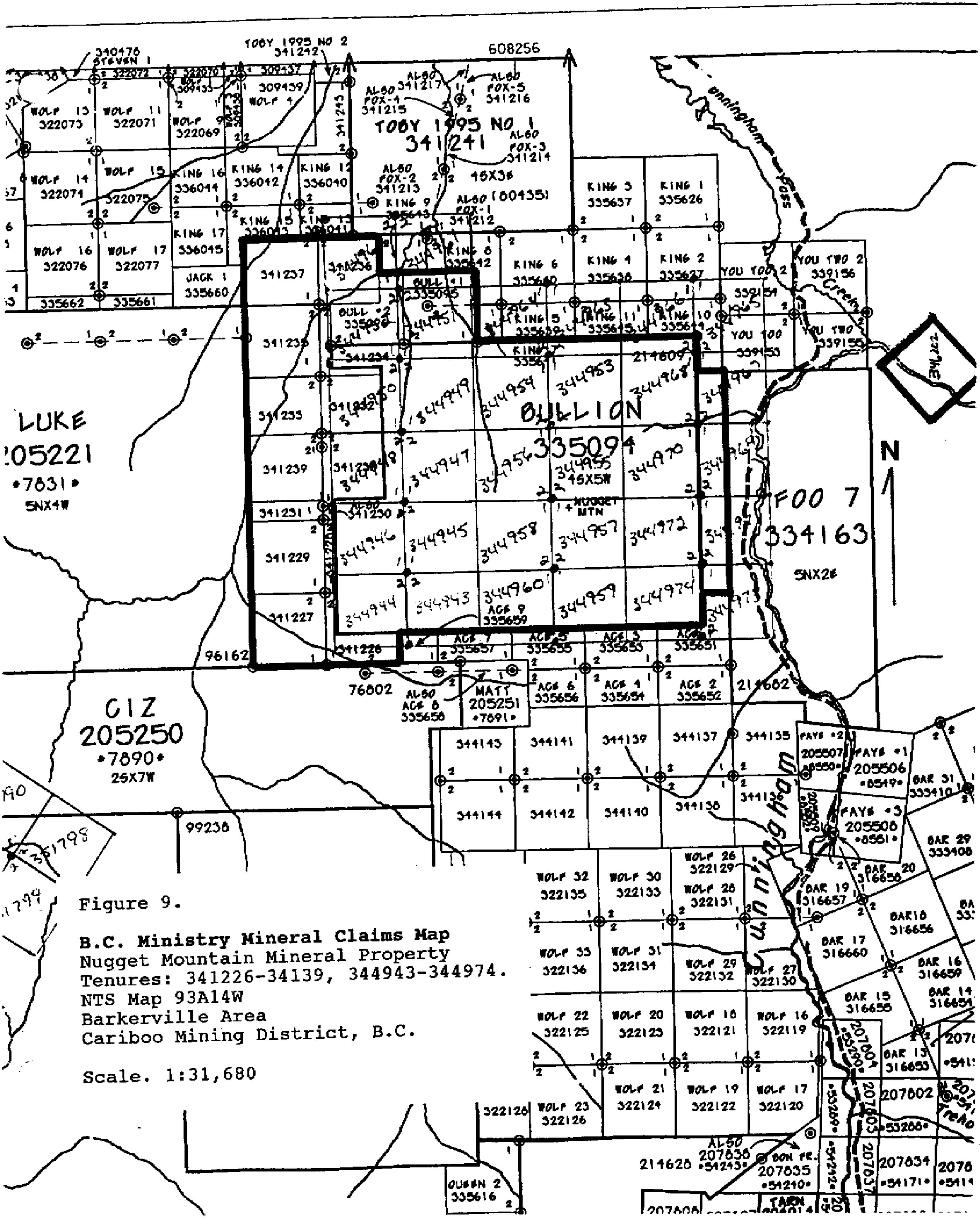


Figure 9.

B.C. Ministry Mineral Claims Map

Nugget Mountain Mineral Property

Tenures: 341226-34139, 344943-344974.

NTS Map 93A14W

Barkerville Area

Cariboo Mining District, B.C.

Scale. 1:31,680

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

ASSAY CERTIFICATE

Cariboo Mining Services File # 95-4367 Page 1

301 - 776 Vaughan St., Quesnel BC V2J 2T5 Submitted by: Stephen Kocsis

SAMPLE#	-100 gm	+100 gm	-100Au opt	+100Au opt	TotAu opt	DupAu opt
A 21001	632	14.4	.002	.010	.002	-
A 21002	584	10.1	<.001	.023	.001	-
A 21003	556	10.4	.004	<.001	.004	-
A 21004	551	6.3	<.001	<.001	<.001	-
A 21005	600	15.5	.001	.001	.001	-
A 21201	565	12.4	.003	.207	.008	-
A 21202	532	20.8	.001	.001	.001	-
A 21203	570	12.0	<.001	.002	<.001	-
A 21204	562	17.7	.001	<.001	.001	-
A 21205	556	9.7	<.001	.015	<.001	<.001
RRE A 21205	642	3.7	.001	.087	.001	-
A 21206	558	12.8	<.001	.001	<.001	-
A 21207	557	12.7	<.001	.046	.001	-
A 21208	589	9.6	.001	<.001	.001	-
A 21209	619	6.7	<.001	.140	.002	-
A 21210	615	13.7	<.001	.002	<.001	-
A 21211	585	5.4	.001	.003	.001	-
A 21212	615	12.9	.005	.011	.005	-
A 21213	554	4.0	<.001	.007	<.001	-
A 21214	588	15.8	.028	.075	.030	-
A 21215	611	10.0	.001	.001	.001	-
A 21216	599	6.5	.001	.004	.001	-
A 21217	514	18.1	.009	.002	.009	-
A 21218	592	18.1	.001	.001	.001	-
A 21219	503	32.0	<.001	<.001	<.001	-
A 21220	548	6.7	.002	.012	.002	<.001
RRE A 21220	596	35.8	<.001	<.001	<.001	-
A 21221	595	13.7	.001	<.001	.001	-
A 21222	508	24.0	.001	.001	.001	-
A 21223	502	.7	<.001	<.001	<.001	-
A 21224	562	14.1	.001	.002	.001	-
A 21225	585	2.8	.001	.002	.001	-
A 21226	542	5.6	.007	<.001	.007	-
A 21227	540	1.9	.009	.006	.009	-

-100 AU BY FIRE ASSAY FROM 1 A.T. SAMPLE. DUPAU: AU DUPLICATED FROM -100 MESH. +100 AU - TOTAL SAMPLE FIRE ASSAY.
- SAMPLE TYPE: P1 ROCK P2 TO P3 SOIL

DATE RECEIVED: OCT 25 1995 **DATE REPORT MAILED:** Nov 14/95 **SIGNED BY.....** D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Cariboo Mining Services PROJECT BARKERVILLE File # 96-1928 Page 1

301 - 776 Vaughan St., Quesnel BC V2J 2T5 Submitted by: Stephen Kocsis

SAMPLE#	Au** ppb
A 21228	2
A 21229	<1
A 21230	6
A 21231	<1
A 21232	<1
A 21233	<1
A 21234	237
A 21235	4
A 21236	4
A 21237	82
A 21238	<1
RE A 21238	<1
A 21239	<1
A 21240	15
A 21241	152
A 21242	3
A 21243	<1
STANDARD AU-R	471

- SAMPLE TYPE: P1 ROCK P2 SOIL AU** BY FIRE ASSAY AND ANALYSIS BY ICP/GRAPHITE FURNACE. (30gm)

Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: MAY 28 1996 DATE REPORT MAILED: June 6/96 SIGNED BY. C. Leong D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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

GEOCHEM PRECIOUS METALS ANALYSIS

Cariboo Mining Services PROJECT BARKERVILLE File # 96-2236

301 - 776 Vaughan St., Quesnel BC V2J 2T5 Submitted by: Stephen Kocsis

SAMPLE#	Au** ppb
A 21244	<2
A 21245	<2
A 21246	5
A 21247	3
A 21248	<2
A 21249	2
RE A 21249	<2
A 21250	2
A 21401	2

30 GRAM SAMPLE FIRE ASSAY AND ANALYSIS BY ICP/AA.
- SAMPLE TYPE: ROCK
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUN 14 1996 **DATE REPORT MAILED:** Jun 25/96 **SIGNED BY** ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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

ASSAY CERTIFICATE

Cariboo Mining Services PROJECT ANTLER File # 96-4807 Page 1

301 - 776 Vaughan St., Quesnel BC V2J 2T5 Submitted by: Stephen Kocsis

SAMPLE#	Au** gm/t
A 21402	.07
A 21403	4.77
A 21404	.01
A 21405	.03
RE A 21405	.03

AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
- SAMPLE TYPE: P1 ROCK P2 TO P4 SOIL
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: SEP 26 1996 DATE REPORT MAILED: Oct 7/96 SIGNED BY. C. Leong, D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Cariboo Mining Services File # 95-4367 Page 2

301 - 776 Vaughan St., Quesnel BC V2J 2T5 Submitted by: Stephen Kocsis

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	Au* ppb
A00001S	1	51	19	83	<.3	39	17	701	4.76	13	<5	<2	14	16	<.2	<2	<2	15	.23	.065	41	18	.51	33	.01	<3	1.14	.01	.03	<2	6
A00002S	<1	28	20	59	<.3	24	12	453	3.94	<2	<5	<2	<2	7	<.2	<2	<2	8	.09	.039	17	10	.28	22	<.01	<3	1.00	<.01	<.01	<2	10
A00003S	1	40	27	89	<.3	39	21	890	5.31	22	<5	<2	4	18	<.2	3	<2	15	.33	.081	25	23	.44	39	<.01	<3	1.47	<.01	.02	<2	9
A00004S	1	51	37	91	<.3	38	20	860	5.26	19	<5	<2	11	12	<.2	<2	<2	15	.19	.033	40	18	.49	33	<.01	<3	1.11	<.01	.02	<2	4
A00005S	1	56	28	85	.5	51	18	580	5.30	24	<5	<2	8	17	<.2	<2	<2	15	.23	.071	34	23	.51	33	<.01	<3	1.87	<.01	.01	<2	5
A00006S	1	42	21	98	<.3	44	20	618	4.78	25	<5	<2	10	6	<.2	<2	<2	16	.06	.045	41	24	.58	33	<.01	<3	1.34	<.01	.02	<2	9
A00007S	1	48	34	114	<.3	44	24	1009	5.57	27	<5	<2	11	21	<.2	<2	<2	18	.36	.080	41	25	.57	43	.01	<3	1.22	.01	.03	<2	14
A00008S	1	55	30	117	.6	55	25	1358	5.40	21	<5	<2	9	16	.3	<2	<2	16	.28	.077	32	24	.50	48	<.01	<3	1.97	<.01	.02	<2	10
A00009S	1	56	36	97	<.3	51	27	974	5.49	22	<5	<2	8	9	.3	<2	<2	16	.10	.048	30	28	.50	31	<.01	<3	1.65	.01	.01	<2	12
RE A00009S	1	56	39	104	.3	53	28	1018	5.77	25	<5	<2	8	9	.3	2	<2	16	.11	.050	31	29	.52	33	<.01	<3	1.74	.01	.02	2	20
A00010S	1	35	26	122	.4	45	19	594	5.28	22	<5	<2	9	13	.2	<2	<2	19	.20	.056	37	29	.59	38	.01	<3	1.49	<.01	.02	<2	11
A00011S	1	56	37	105	<.3	52	21	959	6.01	21	<5	<2	7	13	<.2	<2	<2	18	.18	.049	31	29	.56	44	<.01	<3	1.43	<.01	.01	<2	2
A00012S	1	64	47	93	.7	46	24	841	6.31	24	<5	<2	6	21	.3	2	<2	15	.34	.106	27	25	.49	37	<.01	<3	1.50	<.01	.02	<2	6
A00013S	1	65	26	91	<.3	39	19	760	5.05	21	<5	<2	11	5	<.2	2	<2	11	.05	.030	45	15	.35	30	<.01	<3	.94	<.01	<.01	2	45
A00014S	1	55	12	77	.3	20	16	539	6.64	17	<5	<2	4	6	.4	<2	<2	32	.07	.063	23	24	.36	34	.01	<3	2.14	<.01	.01	5	5
A00015S	1	24	12	77	<.3	32	14	621	6.03	15	<5	<2	8	5	<.2	<2	<2	18	.06	.067	19	32	.51	39	<.01	<3	1.91	<.01	.02	<2	1
A00016S	1	22	16	58	<.3	19	7	215	4.43	11	<5	<2	4	5	.2	3	<2	21	.02	.039	25	20	.22	35	.01	<3	1.20	<.01	.01	<2	<1
A00017S	1	31	42	82	.3	22	12	440	7.46	21	<5	<2	9	5	<.2	<2	2	27	.02	.049	32	24	.26	54	.01	<3	1.41	<.01	.01	<2	7
A00018S	1	42	11	76	<.3	31	12	383	8.10	25	<5	<2	7	4	<.2	<2	<2	16	.03	.035	26	22	.22	37	.01	<3	1.24	<.01	.01	<2	1
A00020S	2	82	88	280	1.1	86	31	1631	7.14	26	<5	<2	7	32	.4	<2	<2	31	.41	.105	29	63	.66	130	<.01	<3	2.49	.01	.08	<2	3
A00021S	1	56	55	169	.4	49	23	1370	6.36	23	<5	<2	5	33	.6	<2	<2	30	.43	.131	22	40	.64	91	<.01	<3	1.66	.01	.05	<2	11
A00022S	1	82	78	177	.6	62	28	1548	6.90	30	<5	<2	5	52	<.2	<2	<2	32	.79	.117	23	47	.71	86	<.01	<3	1.73	.01	.06	<2	4
A00023S	2	74	32	163	<.3	63	26	893	6.07	24	<5	<2	12	13	.2	<2	<2	28	.08	.040	47	44	.86	96	<.01	<3	2.08	.01	.08	<2	4
A00024S	1	83	65	140	.3	63	30	1569	7.37	30	<5	<2	7	19	<.2	<2	<2	25	.23	.104	35	35	.52	69	<.01	<3	1.75	<.01	.03	<2	11
A00025S	1	71	57	134	.6	35	19	906	7.30	304	<5	<2	4	12	<.2	<2	<2	26	.12	.079	26	31	.36	92	.01	<3	1.51	.01	.02	<2	103
A00026S	2	101	241	168	.5	36	21	1061	7.38	138	<5	<2	3	12	.5	<2	<2	32	.16	.136	23	37	.43	66	.01	<3	1.48	.01	.04	<2	80
A00027S	2	103	67	190	.9	71	29	1805	7.06	36	<5	<2	5	29	.2	<2	<2	29	.37	.115	25	40	.64	86	.01	<3	1.59	.01	.04	<2	9
A00028S	1	35	15	60	<.3	26	11	369	4.30	18	<5	<2	6	7	.3	2	2	16	.03	.064	40	19	.30	67	<.01	<3	1.26	<.01	.03	<2	6
A00030S	1	39	29	82	.7	38	17	932	6.32	20	<5	<2	4	40	.2	<2	<2	19	.49	.084	33	24	.33	56	.01	<3	1.58	.01	.03	<2	5
A00031S	1	116	23	107	.8	18	22	1889	9.43	26	<5	<2	4	48	<.2	<2	<2	82	.68	.097	12	13	.64	66	<.01	<3	2.34	<.01	.01	<2	3
A00032S	1	15	10	46	<.3	13	6	228	2.53	8	<5	<2	3	10	.2	<2	<2	26	.06	.044	78	10	.07	59	<.01	<3	.82	.01	.04	<2	1
A00033S	1	60	57	110	.5	45	21	1161	5.69	30	<5	<2	4	31	.2	<2	<2	31	.44	.075	29	36	.38	89	<.01	<3	1.64	.01	.04	<2	4
A00034S	<1	22	12	58	<.3	27	11	541	4.36	13	<5	<2	10	20	<.2	2	<2	13	.29	.059	49	24	.58	56	<.01	<3	1.89	<.01	.04	<2	2
A00035S	1	56	42	121	.4	45	21	1512	5.10	23	<5	<2	6	23	<.2	<2	<2	20	.28	.093	33	30	.48	74	<.01	<3	1.56	.01	.05	<2	4
STANDARD C/AU-S	21	64	36	132	6.9	69	33	1063	4.03	42	17	8	41	55	19.9	17	21	57	.51	.095	40	67	.93	187	.09	26	1.94	.06	.15	10	47

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: P1 ROCK P2 TO P3 SOIL AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 25 1995 **DATE REPORT MAILED:** Nov 14/95 **SIGNED BY** .....D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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	Au* ppb
A00019S	<1	17	9	22	<.3	20	8	416	2.96	11	5	<2	3	4	<.2	<2	<2	8	.07	.043	21	4	.06	25	<.01	<3	.43	<.01	.05	<2	<1
A00029S	1	51	46	104	<.3	42	27	2129	8.93	75	<5	<2	3	9	<.2	<2	5	8	.02	.111	29	6	.04	43	<.01	<3	.51	<.01	.04	<2	4
A00036S	1	51	40	110	<.3	41	21	1157	4.90	36	5	<2	4	19	.2	<2	<2	24	.26	.089	33	25	.38	72	.01	<3	1.22	.01	.05	<2	23
A00037S	2	15	9	39	.6	11	4	185	2.08	107	<5	<2	5	7	<.2	<2	<2	24	.03	.035	46	6	.03	25	.01	<3	.53	<.01	.03	2	327
A00038S	<1	2	7	8	<.3	2	1	37	.54	3	7	<2	5	5	<.2	<2	<2	7	.02	.021	42	3	.01	40	<.01	<3	.65	<.01	.02	<2	292
A00039S	<1	3	<3	16	<.3	5	2	71	1.01	4	6	<2	6	9	<.2	<2	<2	7	.01	.021	46	4	.02	33	<.01	<3	.60	<.01	.02	<2	13
RE A00037S	1	14	8	37	.6	10	4	167	1.97	100	5	<2	5	6	<.2	<2	2	22	.02	.033	41	5	.03	23	.01	<3	.50	<.01	.02	<2	218
A00040S	1	20	12	31	<.3	18	7	157	3.48	55	<5	<2	7	6	<.2	<2	<2	9	.02	.045	33	3	.03	33	<.01	<3	.56	<.01	.03	<2	55
A00041S	2	7	15	34	<.3	10	4	110	3.10	12	<5	<2	8	5	<.2	<2	2	19	.04	.028	31	15	.23	45	<.01	<3	1.37	<.01	.03	<2	3

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.
AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Cariboo Mining Services PROJECT BARKERVILLE File # 96-1928

301 - 776 Vaughan St., Quesnel BC V2J 2T5 Submitted by: Stephen Kocsis

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	Au* ppb
A00042S	<1	58	62	129	<.3	56	31	886	6.24	23	<5	<2	10	12	<.2	<2	<2	32	.16	.080	30	32	.61	82	.01	<3	1.60	.01	.04	<2	8
A00043S	1	55	74	139	<.3	43	33	1884	7.02	31	<5	<2	7	14	<.2	<2	2	36	.13	.080	25	29	.39	123	.01	<3	1.42	.01	.04	<2	12
A00044S	1	53	61	114	.4	48	32	1964	7.26	27	<5	<2	5	26	<.2	<2	<2	35	.39	.094	21	32	.38	55	.01	<3	1.72	.01	.04	<2	7
A00045S	1	56	95	139	<.3	49	36	1512	6.74	41	<5	<2	8	27	<.2	<2	<2	29	.45	.125	23	32	.47	71	.01	<3	1.85	.01	.04	<2	8
RE A00045S	1	58	106	143	.3	53	37	1523	6.85	38	<5	<2	7	27	<.2	<2	<2	29	.46	.126	24	33	.48	71	.01	<3	1.88	.01	.04	<2	6
A00046S	<1	174	370	320	1.3	39	33	2114	9.03	616	<5	<2	7	12	.4	<2	6	36	.19	.091	21	24	.39	66	.01	<3	1.39	.01	.04	<2	599
A00047S	<1	104	178	214	1.0	32	26	2442	7.02	194	5	<2	5	12	.4	<2	<2	35	.18	.109	20	23	.30	99	.01	<3	1.33	.01	.05	<2	293
STANDARD C2/AU-S	21	60	39	129	6.7	75	38	1200	4.03	39	20	8	38	53	21.3	16	20	71	.55	.096	40	66	1.06	211	.08	28	2.07	.06	.16	11	54

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: P1 ROCK P2 SOIL AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: MAY 28 1996 **DATE REPORT MAILED:** June 6/96 **SIGNED BY.....** D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Cariboo Mining Services PROJECT ANTLER File # 96-4807 Page 2

301 - 776 Vaughan St., Quesnel BC V2J 2T5 Submitted by: Stephen Kocsis

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	Au* ppb
A00048S	4	58	68	217	.3	140	40	2705	8.45	73	6	<2	6	38	.4	4	<2	44	.53	.100	27	59	.81	86	.01	<3	1.68	<.01	.02	<2	11
A00049S	2	55	62	154	.4	60	26	1487	5.45	27	<5	<2	6	41	<.2	<2	<2	37	.58	.112	27	38	.76	70	.01	<3	1.68	.01	.03	<2	2
A00050S	3	81	78	179	.3	95	38	2740	6.52	43	<5	<2	15	29	.4	<2	2	30	.41	.118	42	32	.69	97	.01	<3	1.31	.01	.03	<2	6
A00051S	2	59	97	158	.3	69	27	1121	5.54	32	<5	<2	9	30	.2	4	<2	33	.42	.107	40	37	.71	60	.01	<3	1.56	.01	.03	<2	3
A00052S	2	76	78	173	<.3	77	33	1108	5.90	24	<5	<2	12	14	<.2	<2	2	34	.14	.060	45	39	.79	69	.01	<3	2.15	.01	.02	<2	7
A00053S	3	101	77	193	<.3	85	41	2223	8.21	31	<5	<2	11	9	<.2	<2	2	38	.11	.071	39	54	.76	78	.01	<3	2.34	<.01	.02	<2	4
A00054S	2	84	54	171	<.3	56	27	927	5.97	22	<5	<2	10	7	<.2	4	<2	41	.07	.060	37	35	.82	68	<.01	<3	2.20	.01	.02	<2	9
A00055S	2	72	45	181	<.3	69	29	760	5.97	19	<5	<2	10	5	<.2	<2	2	29	.04	.063	40	38	.76	64	<.01	<3	2.10	<.01	.03	<2	4
A00056S	2	67	58	159	<.3	61	28	1196	5.79	24	<5	<2	6	36	<.2	<2	<2	35	.53	.100	28	34	.72	68	.01	<3	1.57	.01	.03	<2	4
A00057S	2	72	60	160	<.3	66	33	1277	6.35	24	<5	<2	10	22	<.2	<2	3	35	.26	.069	33	39	.84	76	<.01	<3	1.92	<.01	.03	<2	7
A00058S	2	76	70	169	.3	66	32	1421	6.61	26	<5	<2	11	24	.4	3	<2	31	.30	.099	40	34	.79	72	.01	<3	1.64	<.01	.02	2	14
A00059S	2	64	68	179	.3	50	34	1800	6.60	22	5	<2	6	32	.4	<2	<2	39	.47	.115	27	38	.60	72	.01	<3	2.05	.01	.03	<2	6
RE A00060S	2	65	57	181	.3	71	31	1282	5.97	21	<5	<2	8	27	.5	<2	2	33	.40	.075	36	37	.69	61	.01	<3	2.24	<.01	.02	<2	16
A00060S	2	63	54	175	<.3	69	30	1212	5.74	20	<5	<2	8	26	<.2	<2	<2	32	.39	.072	35	35	.67	58	.01	<3	2.17	.01	.02	<2	7
A00061S	2	71	73	195	.4	67	32	1322	6.38	28	<5	<2	7	34	.2	2	2	35	.50	.089	31	40	.78	84	.01	<3	1.83	.01	.04	<2	9
A00062S	2	91	149	187	<.3	56	54	2167	8.87	33	7	<2	8	28	.4	<2	2	54	.42	.093	25	38	.69	57	.01	<3	2.41	<.01	.02	<2	11
A00063S	3	108	97	173	.7	64	35	3631	8.21	31	8	<2	5	44	.2	<2	<2	46	.70	.126	23	34	.68	100	.01	<3	1.67	<.01	.03	<2	12
A00064S	1	61	57	110	.4	61	39	1097	6.35	26	<5	<2	7	31	.2	<2	2	26	.51	.097	21	36	.40	69	.01	<3	2.46	<.01	.01	<2	9
A00065S	1	63	64	142	.5	53	26	1700	5.81	27	<5	<2	4	42	.2	<2	2	31	.70	.094	22	29	.52	68	.01	<3	1.48	.01	.02	3	20
A00066S	2	68	68	155	.3	67	29	2436	7.69	35	<5	<2	6	32	<.2	<2	<2	35	.47	.118	25	28	.66	71	.01	<3	1.35	.01	.02	<2	15
A00067S	4	164	45	194	.6	89	52	1608	8.49	76	7	<2	4	19	.4	<2	<2	73	.34	.128	19	19	.41	105	<.01	<3	1.47	<.01	.01	<2	21
A00068S	2	107	46	174	.5	87	36	1388	7.10	48	<5	<2	5	18	.2	3	<2	45	.18	.103	31	45	.53	81	<.01	<3	1.97	.01	.02	<2	7
A00069S	2	96	52	222	.3	64	32	1876	7.12	33	<5	<2	4	17	.4	<2	<2	56	.29	.205	25	44	.61	114	.01	<3	2.17	<.01	.02	<2	7
A00070S	2	73	98	188	<.3	65	32	1637	6.80	73	<5	<2	7	18	.2	3	<2	30	.25	.121	30	30	.59	70	.01	<3	1.37	.01	.02	<2	22
A00071S	1	22	14	54	<.3	16	7	396	4.64	5	<5	<2	3	4	<.2	<2	<2	19	.02	.093	26	15	.24	36	.01	<3	1.34	<.01	<.01	2	1
A00072S	1	30	15	55	<.3	22	19	876	6.95	24	<5	<2	8	5	<.2	<2	2	14	.03	.182	34	11	.17	54	<.01	<3	1.05	<.01	.01	<2	<1
A00073S	1	7	9	11	<.3	3	1	69	1.81	<2	<5	<2	8	2	<.2	<2	<2	11	.01	.023	29	6	.02	29	.01	<3	.95	<.01	.01	<2	<1
A00074S	1	20	17	57	<.3	18	6	177	3.34	16	<5	<2	8	7	<.2	<2	<2	9	.01	.097	39	4	.03	26	<.01	<3	.45	<.01	.01	<2	1
A00075S	1	10	13	32	<.3	9	5	561	2.63	15	<5	<2	3	8	<.2	<2	<2	13	.03	.076	31	6	.03	35	<.01	<3	.54	<.01	.01	<2	5
A00076S	1	67	112	179	.6	67	30	1570	6.57	23	<5	<2	6	37	.3	<2	<2	32	.65	.092	25	33	.67	61	<.01	<3	1.53	.01	.03	<2	6
A00077S	1	84	68	172	.3	77	32	1277	6.52	33	<5	<2	16	25	<.2	<2	<2	33	.35	.105	42	37	.86	72	.01	<3	1.69	.01	.04	<2	298
A00078S	1	58	81	204	.4	68	31	1614	6.51	28	<5	<2	7	27	.4	4	<2	35	.45	.088	30	39	.77	84	.01	<3	2.05	.01	.03	<2	17
A00079S	2	80	54	190	<.3	73	34	1227	6.38	24	<5	<2	13	27	.2	<2	<2	33	.39	.112	38	37	.87	125	.01	<3	1.87	.01	.08	<2	7
A00080S	1	66	85	161	.3	71	35	1399	6.15	31	<5	<2	11	25	.2	<2	<2	31	.37	.098	38	39	.83	83	.01	<3	2.06	<.01	.05	<2	9
A00081S	1	54	49	139	<.3	67	27	903	5.72	26	<5	<2	10	16	<.2	3	<2	30	.21	.066	41	43	.80	63	<.01	<3	1.74	.01	.03	<2	5
STANDARD C2/AU-S	22	60	40	141	7.0	74	36	1154	3.92	39	20	8	37	51	19.4	17	17	71	.52	.109	39	63	.99	196	.08	29	1.97	.06	.12	11	48

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: P1 ROCK P2 TO P4 SOIL AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: SEP 26 1996 DATE REPORT MAILED: Oct 7/96 SIGNED BY: D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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	Au* ppb
A00082S	2	58	86	153	.5	60	29	1555	6.00	22	<5	<2	8	23	.2	<2	<2	29	.36	.098	33	33	.63	66	.01	<3	1.46	.01	.03	<2	11
A00083S	1	54	63	158	<.3	51	24	1442	5.55	19	<5	<2	5	51	.2	<2	<2	30	1.00	.103	20	30	.71	71	.01	3	1.49	.01	.04	<2	4
A00084S	1	60	35	142	<.3	64	32	1214	5.79	18	<5	<2	11	12	.2	5	2	32	.16	.061	39	32	.70	93	.02	<3	1.75	.01	.03	<2	35
A00085S	1	57	31	132	<.3	54	22	607	5.96	12	<5	<2	10	7	<.2	<2	<2	32	.06	.058	38	35	.69	65	.01	<3	1.90	<.01	.03	<2	4
A00086S	1	47	40	113	<.3	42	20	1044	6.48	17	<5	<2	6	6	<.2	4	<2	34	.08	.116	32	37	.57	46	.01	<3	1.66	<.01	.02	<2	3
A00087S	1	59	21	100	<.3	77	27	1624	5.99	<2	<5	<2	12	7	.2	3	<2	24	.08	.062	41	40	.74	92	.01	<3	2.04	<.01	.04	<2	4
A00088S	1	62	18	102	.3	59	35	724	5.86	15	<5	<2	5	12	<.2	2	<2	18	.15	.084	25	20	.20	66	<.01	<3	1.14	.01	.02	<2	4
A00089S	1	78	25	128	<.3	27	31	3290	7.07	3	<5	<2	4	5	<.2	2	<2	17	.02	.167	26	17	.09	70	.01	<3	1.04	.01	.03	<2	1
A00090S	1	36	28	86	<.3	31	19	1120	5.47	5	<5	<2	3	5	<.2	2	<2	37	.03	.166	29	29	.34	50	.02	<3	1.43	<.01	.03	<2	32
A00091S	2	41	35	99	<.3	40	16	715	5.95	9	<5	<2	6	5	<.2	<2	<2	28	.05	.176	27	26	.51	41	.01	<3	1.45	<.01	.02	<2	9
A00092S	1	22	85	177	<.3	30	22	1382	8.84	41	<5	<2	2	7	<.2	<2	2	46	.06	.207	15	20	.08	34	.03	3	.93	.01	<.01	<2	3
A00093S	1	421	15	134	.3	26	46	2802	13.11	<2	5	<2	4	16	<.2	<2	<2	41	.29	.170	17	5	.15	43	<.01	<3	.56	.01	.01	<2	8
A00094S	<1	47	53	207	1.0	70	20	8579	18.16	32	8	<2	10	50	3.2	<2	<2	15	2.34	.137	25	18	1.20	197	<.01	<3	2.16	<.01	.01	2	4
RE A00095S	2	58	46	148	<.3	51	28	975	6.10	25	<5	<2	8	11	<.2	<2	<2	25	.12	.074	27	24	.46	45	.01	<3	1.58	<.01	.02	<2	15
A00095S	1	58	47	152	<.3	52	28	997	6.26	29	<5	<2	9	11	<.2	<2	<2	25	.12	.075	28	25	.46	45	.01	<3	1.61	<.01	.02	<2	9
A00096S	2	72	74	156	<.3	61	29	1165	6.02	26	<5	<2	12	19	.2	<2	<2	25	.28	.098	37	23	.56	57	.01	<3	1.20	<.01	.03	<2	25
A00097S	12	107	76	114	2.5	74	43	949	7.43	16	<5	3	10	9	.3	<2	2	19	.14	.070	21	28	.73	45	.01	<3	1.46	<.01	.02	<2	8
A00098S	2	27	61	77	.5	19	9	460	6.87	10	<5	<2	7	4	<.2	<2	<2	53	.03	.054	18	24	.20	45	.02	<3	1.29	<.01	.01	3	5
A00099S	2	90	213	186	.3	67	39	2617	8.58	49	<5	<2	13	11	.5	<2	2	17	.13	.097	39	16	.31	78	.01	<3	.86	.01	.02	<2	44
A00100S	1	40	142	163	.8	55	28	2458	4.57	11	<5	<2	6	11	.5	<2	<2	9	.34	.101	19	10	.06	46	.01	<3	1.29	<.01	<.01	<2	18
A00101S	3	85	409	482	1.3	65	30	9965	13.07	50	7	<2	11	26	4.9	<2	<2	16	.31	.098	29	13	.23	177	<.01	<3	.99	.01	<.01	<2	10
A00102S	3	157	164	262	1.7	39	34	2987	9.29	151	11	<2	3	40	2.0	<2	2	32	.79	.190	15	21	.22	77	.01	<3	1.11	.01	.03	<2	73
A00103S	3	75	50	180	<.3	72	32	1134	6.51	17	<5	<2	13	18	.4	<2	<2	36	.20	.060	37	42	.89	113	.01	<3	1.91	.01	.07	<2	6
A00104S	2	76	59	162	.4	66	32	1339	6.70	16	<5	<2	9	18	.4	<2	<2	39	.23	.054	36	38	.84	92	.01	<3	1.88	.01	.04	<2	7
A00105S	2	76	91	177	<.3	61	32	1389	6.63	20	<5	<2	10	21	.5	2	<2	33	.30	.094	34	30	.66	122	.01	<3	1.43	<.01	.02	<2	7
A00106S	2	101	43	124	<.3	46	30	1214	6.13	15	<5	<2	10	22	.4	<2	<2	28	.34	.100	32	23	.64	52	.01	<3	1.50	<.01	.02	<2	10
A00107S	2	77	58	141	<.3	61	33	1239	6.11	22	<5	<2	12	13	.3	<2	<2	26	.21	.113	43	27	.54	34	.01	<3	1.41	<.01	.01	<2	22
A00108S	3	73	81	171	<.3	59	36	1763	6.87	19	<5	<2	6	25	.7	2	<2	44	.41	.092	26	40	.78	65	.01	<3	1.86	.01	.02	<2	5
A00109S	2	83	87	233	.5	56	32	1523	6.50	12	<5	<2	6	41	.8	<2	<2	47	.80	.107	20	34	.76	65	.01	3	1.75	.01	.01	<2	5
A00110S	2	71	71	153	.4	56	34	1239	6.21	16	<5	<2	7	20	.4	<2	<2	29	.35	.071	25	32	.53	53	.01	<3	1.86	<.01	.01	<2	11
A00111S	3	70	71	182	.4	75	37	2104	7.72	18	<5	<2	7	22	.6	<2	<2	33	.34	.072	29	33	.63	83	.01	<3	1.50	<.01	.02	<2	7
A00112S	2	57	79	121	.6	53	29	1390	5.54	11	<5	<2	5	41	.6	2	<2	29	.84	.113	22	36	.65	68	.01	<3	2.09	<.01	.03	<2	48
A00113S	7	22	12	63	<.3	20	10	480	4.15	5	<5	<2	10	6	<.2	2	<2	16	.05	.032	31	13	.25	56	<.01	<3	1.20	<.01	.02	<2	1
A00114S	1	43	18	56	<.3	17	9	426	3.87	<2	<5	<2	10	3	<.2	2	<2	20	.02	.055	24	16	.30	49	<.01	<3	1.51	<.01	.01	<2	1
A00115S	2	57	49	156	.3	52	22	1979	5.76	15	<5	<2	4	30	.3	<2	<2	32	.49	.111	16	31	.51	84	.01	<3	1.28	<.01	.02	<2	3
STANDARD C2/AU-S	21	60	39	136	6.8	70	35	1135	3.86	33	21	7	36	48	18.4	16	17	69	.50	.105	38	59	.96	190	.07	26	1.88	.06	.12	12	41

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.
AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.

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	Au* ppb
A00116S	<1	12	17	63	<.3	11	3	269	1.35	6	<5	<2	24	12	<.2	2	3	3	.07	.025	74	2	.02	40	<.01	3	.27	<.01	.04	<2	<1
A00117S	<1	22	14	59	<.3	20	10	1021	5.47	13	<5	<2	13	13	<.2	2	3	13	.06	.054	45	4	.07	77	<.01	<3	.58	<.01	.03	<2	1
A00118S	1	59	59	117	.3	45	21	863	4.63	24	<5	<2	6	21	.2	<2	2	24	.26	.124	23	24	.43	71	.01	<3	1.23	<.01	.03	<2	12
A00119S	1	8	10	19	.4	6	2	126	.96	4	<5	<2	4	4	<.2	<2	<2	8	.04	.062	23	6	.07	26	<.01	<3	.50	<.01	.02	<2	18
RE A00118S	2	62	61	121	<.3	47	22	889	4.83	25	<5	<2	6	23	<.2	3	3	25	.28	.141	24	25	.44	81	.01	<3	1.30	<.01	.03	<2	20
A00120S	2	20	23	53	<.3	15	7	318	3.88	15	<5	<2	2	7	<.2	<2	2	33	.05	.059	23	15	.19	46	.02	<3	.91	<.01	.03	5	12
A00121S	1	57	38	96	<.3	49	21	560	4.60	26	<5	<2	8	9	<.2	6	2	21	.09	.048	31	22	.49	45	.01	<3	1.15	<.01	.03	3	6
A00122S	1	76	28	119	<.3	43	27	899	5.28	15	<5	<2	6	29	<.2	<2	2	45	.43	.053	19	29	.68	51	.01	<3	1.61	<.01	.03	<2	4
A00123S	6	80	48	225	<.3	136	68	3121	10.67	102	9	<2	2	26	.6	<2	3	41	.41	.057	7	54	.45	62	<.01	<3	.93	<.01	.02	<2	1
A00124S	7	149	51	167	<.3	44	48	3944	11.99	25	12	<2	5	30	.4	<2	2	48	.39	.078	20	17	.47	76	<.01	<3	.96	<.01	.03	<2	3
A00125S	2	106	48	267	<.3	131	75	211	9.22	67	5	<2	4	19	<.2	<2	<2	190	.34	.048	9	218	1.71	27	<.01	<3	3.31	.01	.01	<2	3
A00126S	2	70	45	180	.4	66	31	1175	5.77	32	<5	<2	10	28	.5	2	<2	29	.44	.084	37	33	.85	53	<.01	3	1.81	<.01	.05	<2	9
A00127S	4	101	54	177	.4	71	39	1040	8.95	18	<5	<2	14	28	.4	<2	4	20	.34	.046	32	25	.62	58	<.01	<3	1.23	.01	.05	<2	3
A00128S	1	84	59	245	<.3	93	55	1203	10.23	43	5	<2	5	5	.5	4	3	66	.06	.067	13	88	.54	52	.01	<3	2.36	<.01	.02	<2	<1
A00129S	1	60	27	158	<.3	46	23	786	5.99	18	<5	<2	6	4	<.2	<2	<2	41	.04	.076	29	34	.57	69	.01	<3	1.68	<.01	.04	<2	1
STANDARD C2/AU-S	21	63	45	143	7.7	72	36	1089	3.78	42	21	7	37	51	19.4	18	19	72	.52	.108	39	62	.98	195	.08	28	1.92	.06	.13	11	48

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.
AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.

Figure 2.

Bedrock Geology Map
Nugget Mountain Mineral Property
NTS Map 93A14W
Barkerville Area
Cariboo Mining District, B.C.

Legend

uPHM. Hardscrabble Mountain succession. Dark grey to black phyllite, dark grey micaceous quartzite and siltite.

PD. Downey succession. Olive and grey phyllite, grey micaceous quartzite, dark grey to black graphitic phyllite, light grey to black limestone, micaceous and non micaceous quartz carbonate, and green schist or meta-basaltic tuff.

Downey Units:

1. Light olive fissile phyllite.
2. Olive ankeritic phyllite and less micaceous quartzite, minor green schist and limestone.
3. Light grey to olive ankeritic phyllite and less micaceous quartzite, dolomitic quartzite, minor green schist and limestone.
4. Olive ankeritic phyllite and less micaceous quartzite, abundent limestone, minor green schist.
5. Grey phyllite and quartzite.

5b. Black graphitic phyllite, in part pyritic.

Quartzite.	Q
Limestone.	
Dolomitic quartzite.	dq
Green schist.	gs
Quartz carbonate.	qc
Geological unit boundary.	
Bedding.	
Cleavage.	
Fault (approximate).	

Scale 1:5,000

Drafted by: Stephen Kocsis, P.Geo.

PROFESSIONAL GEOSCIENTIST
PROVINCE OF BRITISH COLUMBIA
STEPHEN KOCSIS
1/11/96

N

0 200 m
100 300

UTM 5872000N
608000E

12000N
11330N
11230N
11130N
11060N
11030N
10980N
10000E

Pittman Creek
Antler Road
Antler Creek
Victorian Creek
Nugget Gulch
NUGGET MTN
CLAIM BOUNDARY

uPHM
PD

96-1 (1)