

A GEOLOGICAL AND GEOCHEMICAL
REPORT ON
THE YANKS PEAK PROJECT
CARIBOO LAKE ARFA B.C.
SEPT. 24, 1981
SUNCOR REPORT 9051
BY: PAUL HAWKINS
81-972-10269

Suncor inc.
Resources Group



A GEOLOGICAL AND GEOCHEMICAL REPORT ON
YANKS PEAK PROJECT

CARIBOO LAKE AREA B.C.

JUNE - AUGUST 1981

This report covers the following Minerals Claims held by
Suncor Inc.;

282	Old Timer	565	Yanks Peak #2	656	Old Faithful
283	Jane	568	Bertha	1612	Cone
510	Junior	574	Yanks Peak	1611	Rose
511	Little Robert	580	East Yanks Peak #2	2003	Astride
512	Indian Broom	602	Betty	3179	YPE Fraction
513	Bella Coola	602	Betty Fraction	3180	YP Fraction
513	Frill Fraction	603	Janes Extension #1	3181	Yanks Peak #3
513	Tri Fraction	654	Janes Extension #2	3182	Yanks Peak East
513	Junior Extension	655	Junior Fraction		

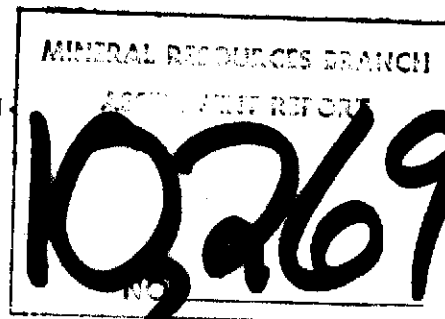
on N.T.S. Sheet 93A/14

Centered on 52° 51' 30"N 121°25'30" W

in the Cariboo Mining Division

By: Paul A. Hawkins, P. Eng.
Calgary, Alberta
Sept. 24, 1981

Suncor Report #9051



PART
1 of 3

TABLE OF CONTENTS

LIST OF MAPS	ii
Preface	iv
1.0 Introduction	1
1.1 Property History	2
1.2 Physiography	3
1.3 1981 Program	4
2.0 General Geology	5
2.1 Property Geology	6
2.2 Economic Geology	8
2.3 Geological Mapping and Prospecting	9
3.0 Geochemistry	10
3.1 Sample and Data Handling	11
3.2 Analytical Methods	12
3.3 Soil Geochemistry	14
3.4 Stream Sediment Geochemistry	18
3.5 Rock Geochemistry	22
3.6 Summary	26
4.0 Conclusions	27
4.1 Recommended 1982 Program	28
References	29
Appendix	30

LIST OF MAPS

Yanks Peak Prospect Index Map	81-067F
Cariboo Gold Projects Property Location	82-044
Yanks Peak Claim Map	81-0570
Little Snowshoe Group Geology - Yanks Peak Property	82-139
French Snowshoe Group Geology - Yanks Peak Property	82-138
Geochemistry Yanks Peak Cone and Rose Claims	
Sample Locations	81-058D
Copper	82-030D
Lead	82-030I
Zinc	82-030J
Nickel	82-030G
Cadium	82-030B
Molybdenum	82-030C
Iron	82-030H
Gold	82-030K
Silver	82-030L
Arsenic	82-030E
Tungsten	82-030F
Rock and Stream Sediment Geochemistry	
Yanks Peak - French Snowshoe Creek	
Sample Locations	81-058B
Copper	82-028B
Lead	82-028J
Zinc	82-028D
Nickel	82-028E
Cadium	82-028H
Molybdenum	82-028G
Iron	82-028F
Gold	82-028L
Silver	82-028K
Arsenic	82-028I
Tungsten	82-028C
Soil and Rock Geochemistry	
Yanks Peak	
Sample Location	81-058E
Copper	82-027B
Lead	82-027J
Zinc	82-027D
Nickel	82-027E
Cadium	82-027H
Molybdenum	82-027G
Iron	82-027F
Gold	82-027L
Silver	82-027K
Arsenic	82-027I
Tungsten	82-027C

LIST OF MAPS (Continued)

Stream Sediments Geochemistry Luce Creek Area	
Sample Locations	81-058C
Copper	82-022D
Lead	82-022F
Zinc	82-022C
Nickel	82-022E
Cadium and Molybdenum	82-022B
Iron	82-022G
Gold	82-022I
Silver	82-022J
Arsenic and Tungsten	82-022H
Soil Geochemistry - Yanks Peak Luce Creek	
Sample Locations	81-058A
Copper	82-023E
Lead	82-023D
Zinc	82-023G
Nickel	82-023C
Cadium	82-023B
Molybdenum	82-023H
Gold	82-023K
Silver	82-023L
Iron	82-023I
Arsenic	82-023J
Tungsten	82-023F
Rock Geochemistry - Corban Vein Adit and Tailing	
Copper and Lead	82-086E
Zinc and Nickel	82-086D
Cadium and Molybdenum and Iron	82-086C
Arsenic and Tungsten	82-086B
Gold and Silver	82-086F

PREFACE

This report covers the field work conducted by Suncor on the Yanks Peak of claims in the Cariboo Lake Area of the Cariboo Mining Division during late June and July of the 1981 field season. This report presents the field work on the property and data analysis of results from the 1981 field season. For statistical purposes, additional data was sometimes used to determine statistical parameters and background levels for some elements. This additional data does not form part of the work submission.

P. Hawkins

May 12, 1982

1.0 INTRODUCTION

The claim group making up Suncor Inc. Yanks Peak project is located 15 km north of Keithly Creek, which can be reached from Williams Lake via the town of Likely by good all weather road. Several bush roads give access into the various claims in area, built largely by the previous operators. The examinations of the claim block was based out of Keithly Creek using 4 wheel drive trucks. Supplies and limited helicopter support was obtained out of Williams Lake, British Columbia.

The Yanks Peak project is one of three projects operated by Suncor in the area as shown on Cariboo Gold Projects Property Locations Map 81-044. The other two projects are covered under a separate work submission. Work was carried out on all three properties by the same crew. Exploration costs were therefore grouped and then broken down between projects on a prorated per manday basis allocation system. Details of these calculations are provided in the Appendix.

The claims making up the Yanks Peak property are shown on Map 81-057D.

1.1 PROPERTY HISTORY

Suncor Inc. acquired the property from Zelon Enterprises Ltd. under an option agreement early in 1981. The original block of reverted crown grants was added to by further staking in early 1981. These new claims bring the total area to 1181.50 hectares. During the 1981 field season, Suncor personnel carried out a geo-chemical and geological exploration program on the property.

The Cariboo District has hosted numerous placer and lode gold mining operations. The placer operations have varied greatly in size and type of operation. The Cariboo area's production of placer gold has been the highest of any placer area in B.C. over the years. Several small scale operations are currently underway by individuals or small companies in the area.

In the area several small high grade underground mines have operated in the past. The closest one of merit to Yanks Peak is the Cariboo Hudson Mine near Roundtop. During 1937-1939 a total of 11,737 tons were mined at a grade of 0.44 oz/ton gold.

In the immediate area however, the most notable occurrence is the Snowshoe Gold Mines Ltd. located near the head of Luce Creek. Extensive underground exploration has taken place and several good gold values have been reported. Several other gold occurrences have been compiled by Stuart S. Holland (Holland, S.S., 1954).

1.2 PHYSIOGRAPHY

The project area lies around Yanks Peak, which reaches an elevation of 1900 metres. French Snowshoe and Little Snowshoe Creeks have their head waters located within the claim block area. Several adjacent areas are currently being logged, and the development of new access roads is a direct result of this activity. The tree line in the area is usually about the 1800 metre elevation. The upper meadows between Yanks Peak and Roundtop are treeless and are quite sensitive to terrain disturbance.

Topography in the area is moderately rugged. The property is almost completely forested with many of the old workings now completely overgrown. The area was originally well accessed by a network of trails and roads, however erosion and disuse has resulted in most trails and some roads becoming impassible even to 4 wheel drive vehicles. The area generally till covered. Where the till cover is thin the area is dotted with numerous trench and pits to expose bedrock or test quartz veins.

The climate is humid continental with cool, short summers. Snow does not leave most peaks until late June. The area receives between 75-150 centimetres of precipitation of which the greater amount occurs as snow. Snowfalls in the past have varied greatly. During the spring of 1981 snow cover in the upper meadows near Roundtop remained until mid July. Most of the area is covered with dense coniferous forest. Most areas also have dense undergrowth.

The most recent glaciation was in the pleistocene when the ice sheet covered the area to about the highest peak. Ice movement was in several diverse directions and represents a complex glacial history. This complexity has prevented the location of the bedrock source for a few of the more important gold placer deposits in some creeks of the area.

1.3 1981 PROGRAM

A limited program of reconnaissance geological examinations, rocks, stream, tailings and soil sampling was undertaken. A total of 67 rock samples, 122 stream samples and 101 soil samples were collected for a total of 290 geochemical samples taken on the property. Another 158 were taken off the property and do not form part of this submission.

The geological reconnaissance consisted of a field geologist supervising two field assistants collecting the geochemical samples. The limited mapping undertaken confirmed previous government mapping and is not repeated here.

One of the first objectives of the program was to establish good primary location control for sampling. Initially all roads on the property were surveyed using pace and compass methods. Soil samples were taken along the road side and in addition, several soil sampling traverse were taken to further expand coverage.

2.0 GENERAL GEOLOGY

The Cariboo Gold Properties of Suncor occur within the Lighting Creek Anticlinorium in the Cariboo Mountains of south central British Columbia. The Lighting Creek Anticlinorium is made up of a belt of Proterozoic to Cambrian Kaza and Cariboo group rocks which are overlain by a sequence of unmetamorphosed volcanic and sedimentary rocks of the Slide Mountain group. The belt trends NE-SW and is 25 km wide and 150 km long.

Lithologically the Kaza group rocks are schistose clastic sediments to a gritty feldspathic micaceous quartzite which have been regional metamorphosed into the green schist facies (Brown A.S., 1963). To the northeast, the Kaza group rocks are overlain by the Cariboo group rocks which consists of metasediments, principally phyllites, micaceous quartzites, marble and some limestones. The formations are intensively folded and locally on occasion highly altered due to hydrothermal activity.

To the north, the Cariboo group is overlain by the Slide Mountain group which consists of unmetamorphosed rocks of Carboniferous age. No rocks of this group occur within the property area.

2.1 PROPERTY GEOLOGY

The Yanks Peak-Roundtop area was mapped at a scale of near 1" = 1200' (Holland, 1954). The regional strike of the rocks is about 330°. The area has a very complex structural history and is not yet fully understood.

The property is underlain by Cariboo group rocks. All the five formations are well exposed. The Cunningham Formation which occurs as a grey limestone and marble. The Yankee Belle Formations varies from a quartzite to a phyllite to a chlorite schist. The Yanks Peak Formation is a grey to white quartzite. The Midas Formation is a black silty quartzite to an argillaceous schist to a carbonaceous or graphitic limestone. The Snowshoe Formation which is a quartzite or conglomerate with a upper unit that is more of a limestone to a chlorite schist. A few outcrops of intrusive rocks occur in the area also. The most striking feature of the area is repetitive complex isoclinal folding of the Midas Formations. A modified version of the property geology is provided in the Appendix (Drawings 82-138 and 82-139).

TABLE OF FORMATIONS
CARIBOO LAKE AREA

ERA	GROUP	FORMATION	LITHOLOGY	THICKNESS	
Mesozoic	?	Little River Stock	Porphyritic granoldiorite to quartz monzonite	--	
		Slide Mountain Group	Antler Formation	Pillow basalt, breccia, chert argillite, diabase and gabbro sills	3600+
			Greenberry Formation	Limestone	
			Guyet Formation	Grey to brown conglomerate, limestone, basic volcanic rocks	1125-1500
PALEOZOIC	Cariboo Group	PROSERDINE DIKES	FELSITE DIKES		
		Dome Creek Formation	Shale, siltstone argillite?		
		Mural Formation	Limestone dolomite	1000+	
		Snowshoe Formation	Grey to brown micaceous quartzite phyllite, impure limestone	1000+	
		Midas Formation	Grey to black quartzite siltstone argillaceous schist and slate black fine grained quartzite, gritty to pebble conglomerate, rare limestone	0-1200	
		Yanks Peak Formation	Grey to white, dense, fine grained silicified quartzite, gritty to pebble conglomerate, rare limestone	1000-1500	
		Yankee Belle Formation	Light grey to brown phyllite with interbedded quartzite chlorite schist, metasiltstone	1500-3000	
		Cunningham Formation	Fine grained grey to black limestone	1000-2000	
		Issac Formation	Grey phyllite and calcareous phyllite and limestone	+12,000	
		PROTEROZOIC	Kaza Group		Gritty feldspathic micaceous quartzites and green schists
?			Augen gneiss, gneissic granodiorite diorite		

2.2 ECONOMIC GEOLOGY

The Yanks Peak-Roundtop area has cyclically attracted attention as a gold camp, with renewed interest every time the price of gold increased. The area has a recorded production of 5204 five ounces of gold from lode producers, most of this was from the Cariboo Hudson Mine near Roundtop Mountain (Holland, S.S., 1954). In comparison, between 1874 and 1950 69,237 ounces of crude gold was recovered from the district's placer operations (Holland S.S., 1954). Recent placer activity has likely increased the placer total.

Early lode work in the Yanks Peak area was as a result of the discovery of placer gold near the mouth of Keithly Creek in 1860. In 1862 the first claim was recorded on the right bank of Little Snowshoe Creek. Further activity was centered in the Yanks Peak area. No significant production resulted from any of the underground exploration in the area.

2.3 GEOLOGICAL MAPPING AND PROSPECTING

A total of 26 mandays were spent geological mapping and prospecting. A greater portion of this time was spent locating old showings and workings. More detailed work is required to remap showings and the extent of alternation. A revised property geology map is presented in the Appendix (Drawing 82-138 and 82-139).

3.0 GEOCHEMISTRY

As part of a regional assessment of the Yanks Peak property, a program of limited high density geochemical sampling was undertaken. Several mineral showings are known to occur on the property and their influence on the secondary geochemical environment was considered important to define for assessing the whole property.

A total of 67 rock samples, 122 stream sediments and 101 soil samples were collected on the property. Most of the sampling of soils was conducted using existing base roads and trails as control. Several other lines were run by pace and compass methods with samples every 25 to 50 metres apart. Samples taken along the roads were actually taken just off the road in the undisturbed areas. The "B" soil horizon was taken at a shallow depth of 4-10 cm.

Stream sediment samples were collected from French Snowshoe and Luce Creeks along their length in the property. Sediment were collected every 25-50 metres along the length of the creek.

During prospecting or geochemical sampling when an outcrop was found it was sampled.

3.1 SAMPLE AND DATA HANDLING

Soil and stream sediment samples were collected in 4" X 10" kraft waterproof paper sample bags and air dried before shipment. Rocks were collected in 8" X 12" plastic bags.

All samples from the Cariboo Gold projects were sent to Terra Min Research Labs Ltd., 14, 2235 - 30th Avenue N.E., Calgary, Alberta, for geochemical analysis. In the case of soil, samples were analysed for Cu, Pb, Zn, Ni, Cd, Mo, W As, Au, Ag, Fe%. Stream sediments were analysed for Cu, Pb, Zn, Ni, Cd, Mo, W As, Fe%, Au, Ag. Rocks were analysed for Cu, Pb, Au, Ag and in some cases Zn, Ni, Cd, Mo, Fe%, SiO₂, Al₂O₃, TiO₂, and MnO₂, CaO, K₂O, Na₂O, Fe₂O₃.

Field data was recorded on Suncor's field "Geochemical Sample Record" forms. Terra Min. Research Labs. reported their results on Suncor's "Geochemical Laboratory Report" forms. Both forms were then keypunched and the project data was processed using Suncor's inhouse computer software on a Univac Model 1100 computer. The summary statistics and data listing for each sample type is provided. A complete sample listing occurs in the Appendix.

All geochemical analysis was not completed until early March 1982; this resulted in a major delay in complete data evaluation.

3.2 ANALYTICAL METHODS

Soil and stream sediment samples were dried and then sieved to -80 mesh (-200 micron) and the oversize retained for possible further study. In the case of rock samples, the entire sample was crushed to approximately -1/8" size, and representative split was taken and pulverised to -200 mesh (-90 micron).

ANALYTICAL METHODS FOR BASE METALS

Cd, Cr, Co, Cu, Fe, Pb, Mn, Mo, Ni, Ag, Zn.

A portion of the prepared sample is digested in perchloric/nitric acid mixture.

Samples are analyzed by atomic absorption spectroscopy.

ANALYTICAL METHOD FOR ARSENIC

A portion of the prepared sample is digested in 6 N hydrochloric acid at 95° C. Arsenic is determined colorimetrically by generation of the hydride (arsine) and complexing with silver diethyldithiocarbamate.

ANALYTICAL METHOD FOR FLUORIDE

A portion of the prepared sample is fused with a flux, cooled and dissolved. The resulting solution is buffered, and fluoride is determined potentiometrically by means of a fluoride ion electrode.

SOIL pH METHOD

A 2:1 vol/vol slurry of water and soil is made. After 1/2 hour the pH is measured.

ANALYTICAL METHOD FOR GOLD AND SILVER

Approximately 1 assay tone of prepared sample is fused with a litharge/flux charge to obtain a lead button. The lead button is cupelled to obtain a prill. The prill is dissolved in nitric/hydrochloric acids (acqua regia), and the resulting solution is analyzed by atomic absorption spectroscopy.

ANALYTIC METHOD FOR MAJOR ELEMENTS

(SiO_2 , Al_2O_3 , CaO , MgO , Na_2O , K_2O , Fe_2O_3 , MnO , TiO_2)

A portion of the prepared sample is mixed with a flux and fused. The resulting melt is poured into an acid matrix and completely dissolved. The solution is analyzed by AA for the above, as elements, and calculated as oxides of these elements.

3.3 SOIL GEOCHEMISTRY (Continued)

NICKEL

The background range for nickel appears to be within 1 and 94 ppm Ni for soils in the Yanks Peak area. In the East Yanks Peak #2 (580) area, several nickel high occurs with zinc highs. Several highs also occur in the Junior Fraction (655) in values up to 185 ppm Ni.

CADIUM

The background range for cadium varies from 0 to 3.4 ppm. On East Yanks Peak #2 (580) several high values occur. One high of 6.5 ppm occurs on the Junior Fraction (655) where otherwise most values are zero or near zero.

MOLYBDENUM

The background values for molybdenum vary from 0 to 5 ppm. Several high soil samples occur in East Yanks Peak #2 (580) and Yanks Peak East (3182) where values are consistently in the high background ranges. A trend of high values also exists on the Junior Fraction where values reach up to 7 ppm.

IRON

Background values of iron in soil vary from 0.16% to 5.4%. Most samples are within normal expected background values.

ARSENIC

Arsenic in soils varies from a low of 1.0 to and high background range limit of 27 ppm As. On the East Yanks Peak claim reached up to 90 ppm. Another high occurs on the Junior Fraction where it reaches 35 ppm As. Other highs also occur in the south east corner of the Cone claim (1612).

GOLD

The normal background range for gold in soils range from 2 ppb up to 62 ppb. In several samples which were anomalous in Pb, Zn, As, there was insufficient samples for a gold determination and this may have reduced the number of anomalous samples. One area of apparently anomalous group of samples is in the south east corner of the Rose claim (1611) where values appear irregular in nature and a lab error is strongly suspected. Resampling will have to be undertaken.

SILVER

Background values for silver range from 20 ppb to 1200 ppb and it appears to be log normally distributed. One high value of 1240 ppb occurs on Yanks Peak East (3102) with further highs just east of East Yanks Peak #2 (580).

Highs also occur in the Junior Fraction (655) and at Little Robert (511) and in the south east corner of the Rose (1611).

TUNGSTEN

Background values for tungsten range from 1 to 11 ppm W. In the south east corner of the Rose (1611), values reach up to 25 ppm W.

YANKS PEAK SOIL GEOCHEMISTRY

26-06-82

SUMMARY STATISTICS

SUBSET	VARIABLE	UNITS	N	APITH MEAN	STD DEV	CV %	SKEW	EXCESS KURT	95% LIMITS ON MEAN	GEOM MEAN	LOG 10 MEAN	STD DEV	95% LIMITS ON MEAN		
TOTAL	CU AA	PPM	290	33.5	26.7	79.7	2.44	10.26	30.4	36.5	25.0	1.3978	.3525	22.8	27.4
TOTAL	PR AA	PPM	286	29.9	56.5	188.9	13.16	196.62	23.3	36.5	21.5	1.3332	.3151	19.8	23.4
TOTAL	ZN AA	PPM	290	116.	209.	180.0	11.50	162.71	91.9	140.	77.5	1.8894	.3587	70.5	85.3
TOTAL	NI AA	PPM	289	34.3	32.3	94.2	2.48	9.17	30.6	38.1	22.8	1.3580	.4254	20.4	25.5
TOTAL	CD AA	PPM	123	1.03	2.81	272.1	8.93	87.98	.531	1.53	.444	-.3521	.5032	.361	.547
TOTAL	MO AA	PPM	182	2.43	4.17	171.7	8.76	88.74	1.82	3.04	1.76	.2466	.2790	1.61	1.94
TOTAL	FE AA	PCT	290	2.97	1.96	65.8	4.42	44.72	2.74	3.20	2.40	.3798	.3187	2.20	2.61
TOTAL	AS AA	PPM	289	11.8	9.25	78.6	3.15	19.65	10.7	12.8	9.04	.9563	.3322	8.28	9.88
TOTAL	AU AA	PPB	181	19.5	44.6	228.8	7.61	67.05	12.9	26.0	10.3	1.0137	.4120	8.98	11.9
TOTAL	AG AA	PPB	262	417.	418.	100.3	2.49	7.56	366.	468.	279.	2.4453	.4036	249.	312.
TOTAL	W AA	PPM	239	4.05	5.21	128.7	5.71	42.75	3.38	4.72	2.85	.4551	.3336	2.59	3.15
TOTAL	PH AA		260	4.84	.729	15.1	.63	.50	4.75	4.93	4.79	.6800	.0641	4.70	4.87

SUBSET	VARIABLE	UNITS	N	MIN VALUE	PERCENTILE								MAX VALUE
					25TH	50TH	75TH	80TH	90TH	95TH	98TH	99TH	
TOTAL	CU AA	PPM	290	2.000	15.000	28.000	45.000	50.000	61.000	77.000	102.000	177.000	200.000
TOTAL	PB AA	PPM	286	1.000	14.000	22.000	33.000	36.000	50.000	57.000	86.000	143.000	900.000
TOTAL	ZN AA	PPM	290	7.000	46.000	85.000	123.000	138.000	175.000	350.000	470.000	690.000	3200.000
TOTAL	NI AA	PPM	289	1.000	12.000	26.000	44.000	50.000	68.000	94.000	137.000	178.000	240.000
TOTAL	CD AA	PPM	123	.100	.200	.400	.900	1.200	2.300	3.400	6.500	29.800	29.800
TOTAL	MO AA	PPM	182	1.000	1.000	2.000	2.000	3.000	4.000	5.000	7.000	25.000	49.000
TOTAL	FE AA	PCT	290	.160	1.680	3.070	3.900	4.010	4.600	5.400	6.500	8.000	24.000
TOTAL	AS AA	PPM	289	1.000	6.000	9.000	16.000	18.000	22.000	27.000	35.000	40.000	90.000
TOTAL	AU AA	PPB	181	2.000	6.000	10.000	16.000	20.000	40.000	62.000	94.000	312.000	472.000
TOTAL	AG AA	PPB	262	20.000	160.000	300.000	500.000	560.000	900.000	1280.000	2120.000	2400.000	2490.000
TOTAL	W AA	PPM	239	1.000	2.000	3.000	4.000	5.000	8.000	11.000	18.000	43.000	52.000
TOTAL	PH AA		260	3.630	4.290	4.790	5.300	5.480	5.810	6.040	6.670	6.840	7.800

3.4 STREAM SEDIMENT GEOCHEMISTRY

Stream sediment samples were collected on three streams in the Yanks Peak Project area.

Fine stream sediments were collected every 25 metres along Luce Creek, Little Snowshoe and upper reaches of French Snowshoe Creeks. The main objective of this sampling was to determine the secondary geochemical environment as it exists in the streams of the Yanks Peak area. A complete data listing is provided in the Appendix.

COPPER

The normal background values for copper in stream sediments ran from 3 ppm to 31 ppm. Values in Luce Creek remained largely in the teens. Only one high of 134 ppm Cu occurred in the upper reaches of Luce Creek. On Little Snowshoe, values range in the 20-30 range. Several highs in the 40's occur near outcrops in French Snowshoe Creek.

LEAD

Normal background ranges from 1 ppm to 41 ppm Pb in the Yanks Peak area. A high value of 65 occurs on the upper portion of Little Snowshoe Creek on the southern claim boundary of the Cone claim (1602). An anomaly with a value of 510 ppm Pb occurs on French Snowshoe Creek in Astride (2003) with several other high anomalous samples adjacent to it and also down stream.

ZINC

Normal background for zinc varies from 31 ppm to 152 ppm Zn. Several high background values occur on the Jane claim (283) of 170 ppm Zn on Luce Creek. On Little Snowshoe Creek several highs up to 400 ppm occur on the Cone claim (1612). An anomaly of 510 ppm Zn occurs on French Snowshoe Creek in Astride claim (2003) with several adjacent highs.

3.3 SOIL GEOCHEMISTRY

Soil sampling has identified four areas with anomalous trace levels of elements. The Junior Fraction (655), shows anomalous values in Cu, Zn, Ni, Mo, Cd, As, Au and Ag.

On East Yanks Peak #2, anomalous values in Zn, Ni, Cd, Mo, As and Ag occur. In the Little Robert (511) claim area a Ag anomaly occurred. In the south east corner of the Rose (1611) claim, Au and Ag are anomalous.

Since the soil samples were largely taken off roads, anomaly definition is not very good. Further sampling will be required to define the above anomalies. The following is a discussion of each element's population. A table of summary statistics is also provided.

COPPER

The background range for copper varies from 2 to 77 ppm. A few highs occur over 100 ppm generally but values do reach 180 ppm on the Junior Fraction (655). The population is log normally distributed with a geometric mean of 25 ppm.

LEAD

Lead values in soil range is normal background from 1 ppm to 57 ppm. Several high background values occur near other anomalous samples in the Junior Fractions. Values high reach 99 ppm Pb.

ZINC

Background values for Zinc run between 7 ppm up to 350 ppm. In the French Snowshoe Group several highs occur on the road as it crossed the East Yanks Peak #2 (580) where values of 3200 ppm Zn occur. Further to the north on the Junior Fraction (655), values up to 760 ppm Zn occur. Zinc appears to be log normally distributed with a geometric mean of 77.5 ppm.

NICKEL

The normal background range for nickel varies from 7 to 63 ppm Ni. One anomalous sample occurs on the northern tributary of Little Snowshoe Creek of 107 ppm Ni. On French Snowshoe values range in the 20-40 ppm range usually.

CADIUM

Values in stream sediments samples range from 0.0 ppm Cd to 1.1 ppm Cd. On Luce Creek values range between 0 and 0.1 normally. A high of 5.4 ppm occurs on Little Snowshoe at the southern edge of the Cone claims. A isolated high of 5.4 ppm Cd occurs on French Snowshoe in the Astride claim.

MOLYBDENUM

Molybdenum normal background range varies from 1.0 ppm up to 4.0 ppm. Several high background samples occur together on Luce Creek just below the Snowshoe Gold mines area of 3-4 ppm Mo. Further down stream values reduce to 1-2 ppm. A high of 9 ppm Mo occurs on Little Snowshoe Creek near the Cone claim line. Several slightly high values of 6-7 ppm occur on the Astride claim (2003).

IRON

Normal background values from 1.08% to 3.64% for the Yanks Peak area. Values appear to be slightly higher below the dam at Snowshoe Gold mines in Luce Creek. Values range between 2 and 3% in Little Snowshoe while in French Snowshoe they range from 1.5 - 3.5. This may reflect differences in bedrock composition between the creeks.

GOLD

The normal background for gold in stream sediment samples in the Yanks Peak area ranges from 2 ppb Au up to 302. A peak of 1924 ppb occurs near the east boundary of Bella Colla (513) and another anomaly of 340 ppb just below the dam at Snowshoe Gold Mines. A high sample of 302 ppb which is within expected normal background occurs with other anomalous values of Ag and As at the southern claim boundary of Astride (2003). Another slight high value occurs on French Snowshoe Creek.

SILVER

Normal background for silver appears to range from 10 ppb up to 220 ppb Ag. A minor high occurs just east of Bella Colla (513). Another high of 220 occurs on Betty (602) on Luce Creek. Two highs of 430 and 390 occur on French Snowshoe Creek on Astride (2003). There does not appear to be a direct relationship between Au and Ag in the results from stream sediments samples.

ARSENIC

The normal background for arsenic range from 2 to 38 ppm. High arsenic values occur with an Au and Ag anomaly just east of Bella Colla (513) on Luce Creek. A similar high occurs below the dam at Snowshoe Gold Mines. A slight high of 33 ppm occurs on Little Snowshoe Creek on the Cone (1611).

TUNGSTEN

Normal background ranges from 1 up to 13 ppm W. A high of 56 ppm exists just down stream from the east boundary of Bella Colla (513). High values also exist just below the dam on Luce Creek. A value of 12 ppm was also obtained on the northern tributary of the Little Snow Creek. On French Snowshoe Creek in Astride (2003) an anomaly of 109 ppm W occurs with several other adjacent highs in areas whjch the stream bed was mapped as cutting down to bedrock.

YANKS PEAK STREAM SEDIMENT GEOCHEMISTRY

PAUL H RUN 10

SUMMARY STATISTICS

SUBSET	VARIABLE	UNITS	N	ARITH MEAN	STD DEV	CV %	SKEW	EXCESS KURT	95% LIMITS ON MEAN	GEOM MEAN	LOG 10 MEAN	STD DEV	95% LIMITS ON MEAN		
TOTAL	CU AA	PPM	140	18.5	11.8	63.8	6.83	63.32	16.6	20.5	16.8	1.2240	.1848	15.6	18.0
TOTAL	PB AA	PPM	140	20.6	43.5	210.9	10.34	113.16	13.4	27.9	14.7	1.1662	.2912	13.1	16.4
TOTAL	ZN AA	PPM	140	104.	45.6	44.0	5.06	43.06	96.0	111.	97.1	1.9874	.1525	91.6	103.
TOTAL	NI AA	PPM	140	31.0	14.5	46.8	2.43	7.83	28.6	33.5	28.6	1.4569	.1679	26.8	30.5
TOTAL	CD AA	PPM	103	.388	.575	148.1	6.23	49.90	.276	.501	.238	-.6242	.4047	.198	.285
TOTAL	MO AA	PPM	126	2.18	1.24	56.9	1.41	2.56	1.96	2.40	1.89	.2765	.2320	1.72	2.08
TOTAL	FE AA	PCT	140	2.50	.705	28.2	.76	1.55	2.38	2.62	2.41	.3812	.1233	2.29	2.52
TOTAL	AU AA	PPB	60	45.3	174.	385.4	6.39	42.42	.218	90.3	8.68	.9387	.6108	6.04	12.5
TOTAL	AG AA	PPB	139	100.	83.5	83.2	4.28	22.92	86.4	114.	83.4	1.9210	.2520	75.6	91.9
TOTAL	AS AA	PPM	140	21.7	84.0	387.9	11.41	130.34	7.62	35.7	12.4	1.0919	.3180	10.9	14.0
TOTAL	W AA	PPM	131	5.30	11.8	223.7	6.55	48.43	3.25	7.35	3.02	.4794	.3551	2.62	3.47
TOTAL	PH AA	PPM	140	6.95	.416	6.0	-1.97	13.75	6.88	7.02	6.93	.8408	.0285	6.86	7.01

SUBSET	VARIABLE	UNITS	N	MIN VALUE	PERCENTILE									MAX VALUE
					25TH	50TH	75TH	80TH	90TH	95TH	98TH	99TH		
TOTAL	CU AA	PPM	140	3.000	13.000	17.000	21.000	23.000	26.000	31.000	39.000	134.000	134.000	
TOTAL	PB AA	PPM	140	1.000	10.000	15.000	20.000	21.000	26.000	41.000	86.000	510.000	510.000	
TOTAL	ZN AA	PPM	140	31.000	77.000	101.000	121.000	126.000	140.000	152.000	170.000	510.000	510.000	
TOTAL	NI AA	PPM	140	7.000	23.000	28.000	34.000	36.000	46.000	63.000	79.000	107.000	107.000	
TOTAL	CD AA	PPM	103	.100	.100	.200	.500	.600	.900	1.100	1.100	5.300	5.300	
TOTAL	MO AA	PPM	126	1.000	1.000	2.000	3.000	3.000	4.000	4.000	6.000	7.000	7.000	
TOTAL	FE AA	PCT	140	1.080	2.050	2.460	2.960	3.020	3.300	3.640	4.400	5.300	5.300	
TOTAL	AU AA	PPB	60	2.000	4.000	6.000	18.000	18.000	62.000	302.000	1294.000	1294.000	1294.000	
TOTAL	AG AA	PPB	139	10.000	60.000	80.000	110.000	120.000	150.000	220.000	430.000	690.000	690.000	
TOTAL	AS AA	PPM	140	2.000	9.000	12.000	17.000	19.000	27.000	38.000	72.000	1000.000	1000.000	
TOTAL	W AA	PPM	131	1.000	2.000	2.000	4.000	5.000	8.000	13.000	56.000	109.000	109.000	
TOTAL	PH AA	PPM	140	4.140	6.800	6.940	7.140	7.190	7.430	7.660	7.840	7.950	7.950	

3.5 ROCK GEOCHEMISTRY

Analysis of rock samples collected during the 1981 field season yielded no new mineral occurrences but did confirm the existence of the several showings which were resampled. Problems in obtaining unweathered samples has likely caused the grades to be reduced in most samples.

During prospecting and reconnaissance geological mapping outcrops were sampled.

In areas of old workings, samples were taken of any outcrops and in the case of old tailings a representative sample was collected.

A complete list of rock samples numbers and analysis is provided in the Appendix. Samples were numbered using either an alpha numeric (ie CON 001) or a six digit number starting with a double zero (ie 006439).

COPPER

The levels of copper in the Yanks Peak area vary from 33 ppm up to 31 with no real exceptional high values.

LEAD

Normal background values for lead ranged from 1 ppm up to 1630 ppm but were generally under 100 ppm. Several very high values were obtained at the Taylor Tungsten showing in the Cone claim (1612) where values reached 5900 and 2700 ppm Pb.

ZINC

Background values for zinc ranged between 1 and 910 ppm Zn. At the Taylor Tungsten showing zinc reaches 420 ppm, while at the Imoerial vein showing zinc reached up to 220 ppm.

NICKEL

Background values for nickel range from 1 ppm up to 126 ppm Ni. Values are generally below 40 ppm with no real high value present.

CADIUM

Background values for cadium vary from 0 to 43.6 ppm, with a geometric mean of 17.3 ppm Cd. No exceptional high values occur.

IRON

Background values vary from 0.18% to 13.00% Fe. Most values are between 3% and 6%. At the Taylor Tungsten showing iron values reach up to 16.5% in high sulphide bearing rock samples.

MOLYBDENUM

Molybdenum values in rocks vary from 1 ppm up to 13 ppm Mo. One high of 13 ppm occurs at the Imperial vein in the Cone claim (1612) no other high values were obtained in the claim block.

GOLD

Gold normal background values in rock samples vary 2 ppb up to 2320 ppb. One sample from the tailings from the Yankee Bell area ran 3920 ppb Au. Another sample from the Little Snowshoe Gold Mine area ran 1034 ppb Au. Just below the Little Snow Gold Mine area one sample from tailings closer to the creek ran 1172 ppb Au. Other adjacent tailing piles were lower.

SILVER

Silver values in rocks from the Yanks Peak area vary from 10 ppb to 4800 ppb.

ARSENIC

Arsenic varies from 1 ppm to 53 ppm in rocks with only a few samples above 20.

TUNGSTEN

Tungsten values range from 1 to 9 ppm with no high samples even at the reported Taylor Tungsten showing.

YANKS PEAK ROCK GEOCHEMISTRY

RUN 21

SUMMARY STATISTICS

SUBSET	VARIABLE	UNITS	N	ARITH MEAN	STD DEV	CV %	SKEW	EXCESS KURT	95% LIMITS ON MEAN	GEOM MEAN	LOG 10 MEAN	STD DEV	95% LIMITS ON MEAN		
TOTAL	CU AA	PPM	122	33.1	75.0	226.5	6.34	44.95	19.7	46.6	15.4	1.1880	.5012	12.5	19.0
TOTAL	PB AA	PPM	101	206.	805.	390.1	5.22	28.71	47.5	365.	24.0	1.3805	.7104	17.4	33.2
TOTAL	ZN AA	PPM	117	.103*004	.924*004	899.2	10.64	111.40	-664.	.272*004	61.4	1.7881	.7124	45.5	82.9
TOTAL	NI AA	PPM	118	33.1	45.1	136.2	3.11	11.10	24.9	41.3	17.3	1.2380	.5150	13.9	21.5
TOTAL	CD AA	PPM	39	5.36	18.0	336.3	4.89	23.87	-.479	11.2	.786	-.1046	.7489	.450	1.37
TOTAL	FE AA	PCT	119	3.02	2.89	95.9	2.42	7.49	2.49	3.54	1.96	.2916	.4449	1.63	2.36
TOTAL	MO AA	PPM	76	3.07	3.56	116.1	2.86	9.07	2.25	3.88	2.08	.3186	.3480	1.73	2.50
TOTAL	AS AA	PPM	71	17.7	24.4	137.5	4.01	20.28	12.0	23.5	9.90	.9957	.4853	7.60	12.9
TOTAL	AU AA	PPB	76	814.	.349*004	428.8	6.00	36.34	16.5	.161*004	37.8	1.5776	1.0216	22.1	64.7
TOTAL	AG AA	PPB	120	.146*004	.795*004	454.4	8.34	75.30	20.6	.289*004	122.	2.0868	.6966	91.4	163.
TOTAL	W AA	PPM	69	3.22	2.86	88.9	3.00	12.32	2.53	3.90	2.49	.3960	.2982	2.11	2.93
TOTAL	PH AA	PPM	90	6.10	1.07	17.6	.63	-.49	5.88	6.32	6.01	.7790	.0741	5.80	6.23

SUBSET	VARIABLE	UNITS	N	PERCENTILE										MAX VALUE
				MIN VALUE	25TH	50TH	75TH	80TH	90TH	95TH	98TH	99TH		
TOTAL	CU AA	PPM	122	1.000	7.000	18.000	31.000	35.000	62.000	83.000	430.000	660.000	660.000	
TOTAL	PB AA	PPM	101	1.000	9.600	20.000	51.000	86.000	147.000	1630.000	3600.000	5900.000	5900.000	
TOTAL	ZN AA	PPM	117	1.000	25.000	61.000	150.000	175.000	400.000	910.000	4700.000	99999.000	99999.000	
TOTAL	NI AA	PPM	118	1.000	7.000	20.000	34.000	40.000	76.000	126.000	250.000	270.000	270.000	
TOTAL	CD AA	PPM	39	.100	.200	.600	2.300	2.600	8.600	43.600	106.000	106.000	106.000	
TOTAL	FE AA	PCT	119	.180	1.140	2.490	3.900	4.300	6.000	7.500	15.600	16.500	16.500	
TOTAL	MO AA	PPM	76	1.000	1.000	2.000	3.000	4.000	6.000	13.000	14.000	21.000	21.000	
TOTAL	AS AA	PPM	71	1.000	5.000	10.000	21.000	26.000	35.000	53.000	169.000	169.000	169.000	
TOTAL	AU AA	PPB	76	2.000	6.000	16.000	244.000	366.000	1034.000	2320.000	16900.000	25400.000	25400.000	
TOTAL	AG AA	PPB	120	10.000	50.000	90.000	240.000	280.000	800.000	4800.000	27000.000	79000.000	79000.000	
TOTAL	W AA	PPM	69	1.000	2.000	2.000	4.000	5.000	7.000	9.000	19.000	19.000	19.000	
TOTAL	PH AA	PPM	90	4.600	5.250	5.790	6.960	7.040	7.740	8.270	8.360	9.110	9.110	

3.6 SUMMARY

The results of the geochemical program indicated 4 anomalous areas where follow-up is required to define and assess the anomalies detected. The four areas are:

1. East Yanks Peak #2
2. Junior Fraction - Little Robert - SE corner of Rose
3. Area around Snowshoe Gold Mine
4. Cone

4.0 CONCLUSIONS

The 1981 Exploration program has defined four areas of anomalous geochemistry which warrant additional follow-up. The Yanks Peak area in the past has been a centre of much exploration activity. Care must be taken to assess these anomalies and to determine if they are related to bedrock geochemistry or recent exploration activity which has distributed the environment or created false anomalies.

The structural complexity of the area requires a much more detailed approach. The property approach to mapping did not significantly improve the geological undertaking of the area. Much more careful attention to the collection of structural data must be made in the future.

In conclusion, the program in 1981 confirmed the presence of gold and silver anomalies in the secondary geochemical environment and indicated areas where follow-up is required. The existence of a high degree of structure complexity on the property is very favourable for the occurrence of gold and silver mineralization. This complexity requires extensive additional mapping to gain a understanding of structural parameters which may be controlling mineralization.

4.1 1982 PROGRAM

The 1982 program should consist of follow-up geochemistry to define anomalous area combined with detailed mapping. The detailed mapping should include all evidence of old workings or previous exploration activities. Data should be compiled to enable the complete picture to be accessed since many old workings are no longer accessible.

The application of ground geophysics should be tested to see if any structural information can be gained from such surveys as proton magnetometer and VLF-EM or other systems. Structural data should be collected from all outcrops to assess the role that deformation has had in the creation of open space. The structure data should be collected on the regional scale, outcrop scale and even the sample scale to develop an understanding of the structure history of the area.

Paul A. Hawkins

REFERENCES

1. Brown, A.S. 1957
Geology Of The Antler Creek Area
Cariboo District B.C.
B.C. Dept. of Mines
Bulletin #38
2. Brown, A.S. 1963
Geology Of The Cariboo River Area, British Columbia
B.C. Dept. of Mines
Bulletin #47
3. Campbell, R.B., Mountjoy, E.W., Young F.G.
1973 Geology Of McBride - Area
British Columbia GSC Paper
72-35
4. Holland, S.S. 1954
Yanks Peak - Roundtop Mountain Area British Columbia
B.C. Dept. of Mines
Bulletin #34
5. Tipper, H.W., Campbell, R.B.
Taylor, G.C. and Stott, D.F.
Parsnip River Sheet 93
1:1000 000 Geological Atlas
GSC Map 1424A

APPENDIX

- 1) Author's Qualifications and Other Personnel
- 2) Prorated Salary Calculation
- 3) Yanks Peak Manday Break Down
- 4) Cariboo Lake Properties Interproject Man Break Down
- 5) Yanks Peak Property Expenditure and Field Program Break Down
- 6) Yanks Peak Property 1981 Claim Block Work Break Down
- 7) Yanks Peak Project Geochemical Data Listing
- 8) Analytical Costs
- 9) Yanks Peak Claim Listing
- 10) Statements of Exploration and Development
- 11) Grouping Notices and Supplementary Property Expenditures
Spring 1982
- 12) Report Maps

Author's Qualifications

Paul Alan Hawkins, P. Eng. B.Sc. (Eng)
2105, 920 - 9th Avenue S.W.
Calgary, Alberta
T2P 2T9

Registered Professional Engineer, Province of Alberta

B.Sc (Eng) Queen's University 1977
Geological Engineering (Mineral Resources)

Work History

May 1981 - Present	Suncor Inc.	Project Geologist
May 1978 - March 1981	Pan Ocean Oil Ltd.	Project Geologist
Feb. 1978 - April 1978	Gulf Minerals	Drill Geologist
May 1977 - Jan. 1978	Asamera Oil	Junior Geologist
July 1976 - Dec. 1976	Urangessellschaft	Senior Assistant
May 1976 - July 1976	Hollinger Mines	Drill Geologist
May 1975 - Sept. 1975	HBOG Mining	Field Assistant
May 1974 - Sept. 1974	Duval Corp.	Field Assistant

OTHER PERSONNEL

Linda K. Bertrand
Third Year Geology Student
University of Ottawa

Kim Russell
First Year Geological Technician
Sir Sandford Fleming College

Lloyd Kuzmyn
Third Year Geology Student
University of Calgary

Steve Brierly
Second Year Geology Student
University of Waterloo

David Safton
First Year Geology Student
University of Calgary

PRORATED SALARY CALCULATION

YANK'S PEAK

		Daily Rate	Man Days	Total Salary
Steven Brierly	Field Assistant	53.09	30	1592.70
Paul Hawkins	Project Geologist	158.71	1	158.71
Lloyd Kuzmyn	Field Geologist	71.89	30	2156.70
Kim Russell	Field Assistant	53.09	22	1167.98
David Safton	Field Assistant	61.96	1	61.96
			<hr/>	
			84	5138.05

Prorated Per Man Day Salary \$61.16

YANK'S PEAK
MAN DAY BREAK DOWN

050 Yank's Peak	LKR	SB	PH	LK	KR	DS	TOTAL
Mob - Demob		2	1	2		2	7
Camp Support		2		2		1	5
Office Compilation		4		4	1	4	13
Field Time							
Geochem		13		13		7	33
Recon		9		9		8	26
TOTAL		30	1	30	1	22	84

CARIBOO LAKE PROPERTIES
INTERPROJECT MANDAY BREAKDOWN

Project Code	Name	Field Support	Field Time		Total Field	Total Project	% Field Day per Project
			Geological	Geochem			
050	Yank's Peak	25	26	33	59	84	37.1%
051	Round Top	36	3	63	66	102	41.5%
053	Carihoo Mtn.	16	15	19	34	50	21.4%
		—	—	—	—	—	—
		77	44	115	159	236	100.0%

YANK ' S P E A K

Property Expenditures

Field Support Costs FSC

All Cariboo Projects	\$45,892.79	
% breakdown this project	37.1%	
Yank's Peak FSC	<u>\$17,026.22</u>	17,026.22

Salaries for Support Days

25 days X \$61.16	\$ 1,529.00	<u>1,529.00</u>
-------------------	-------------	-----------------

TOTAL FIELD EXPENSES

18,555.22

Office Overhead 10%

1,855.52

20,410.74

Report Preparation

Salaries 25 days @ 158.71	3,967.75	
Draft and Reproduction	<u>2,000.00</u>	
	5,967.75	<u>5,967.75</u>

TOTAL PROPERTY EXPENDITURES

26,378.49

FIELD PROGRAM BREAKDOWN

	<u>Mandays</u>	<u>%</u>
Geochemical	33	55.9
Geological Reconnaissance	26	44.1
	59	

Geochemistry

Total cost for Property	\$26,378.49
55.9% for Geochemistry	14,745.57
Total number of samples taken	448
per sample cost	32.91

Geological Reconnaissance

Total for Property	26,378.49
44.1% for Geological	11,632.91
Total number of Mandays	26
Prorated per manday cost	447.42

YANK'S PEAK PROPERTY

1981 Claim Block Work Breakdown

Record #	Name	Soil	Stream	Rock	#	\$	Geology		Total
							Day	\$	
282	Old Timer	3	0	3	6	197.46	.5	223.71	421.17
283	Jane	0	19	2	21	691.11	.5	223.71	914.82
510	Junior	0	0	0	0	0	0	0	0
511	Little Robert	19	0	0	19	625.29	0	0	625.29
512	Indian Broom	0	0	0	0	0	0	0	0
513	Bella Coole	0	28	0	28	921.48	1	447.42	1,368.90
513	Frill Fraction				0	0			0
513	Tri Fraction				0	0			0
513	Junior Extension				0	0			0
565	Yank's Peak #2				0	0			0
568	Bertha				0	0			0
574	Yank's Peak	0	0	0	0	0			0
580	East Yank's Peak #2	0	12	0	12	394.92	1	447.42	842.34
653	Betty	0	18	0	18	592.38	.5	223.71	816.09
602	Betty Fraction	0	4	0	4	131.64			131.64

Record #	Name	Soil	Stream	Rock	#	\$	Geology		Total
							Day	\$	
603	Janes Extension #1				0	0			
654	Janes Extension #2				0	0			
655	Junior Fraction	11		1	12	394.92	.5	223.71	618.63
656	Old Faithful	0	3	2	5	164.55		0	164.55
1612	Cone	0	15	22	37	1,217.67	6	2,684.52	3,902.10
1611	Rose	21	0	25	46	1,513.86	3	1,342.26	2,856.12
2003	Astride	27	23	5	55	1,810.05	1.5	671.13	2,481.18
3179	YPE Fraction				0	0	.5	223.71	223.71
3180	YP Fraction	1	0	0	1	32.91	.5	223.71	256.62
3181	Yank's Peak #3	14		6	20	658.20	3	1,342.26	2,000.46
3182	East Yank's Peak	5		1	6	197.46	1.5	671.13	868.59
	SUB TOTAL					9,543.90		8,948.40	18,492.30
OPEN		117	38	3	158	5,199.78	6	2,684.52	7,884.30
		218	160	70	448	14,743.68	26	11,632.92	26,376.60

YANKS PEAK PROJECT

GEOCHEMICAL DATA LISTING

<u>ELEMENT</u>	<u>UNITS</u>
Cu	ppm
Pb	ppm
Zn	ppm
Ni	ppm
Cd	ppm
Mo	ppm
Fe	%
Au	ppb
Ag	ppb
As	ppm
W	ppm
pH	none

YANKS PEAK
SOIL SAMPLING DATA LISTING
1981 FIELD PROGRAM

*** MAPPER SYSTEM *** SUNCOR INC

DATE 062362

PAGE 1

.DATE	10:40:33	PID	23	23 JUN 82	MINERL	.MO	.FE	.AS	.AU	.AG	.W	.PH						
*PPJYR	.SAMPLE	.ROCK	.RS	.CU	.PB	.ZN	.NI	.CD	.MO	.FE	.AS	.AU	.AG	.W	.PH			
* .NUMBER	.TYPE	.AA	(PPM)	.AA	(PPM)	.AA	(PPM)	.AA	(PPM)	.AA	(PPM)	.AA	(PPB)	.AA	(PPB)	.AA	(PPH)	.AA
C5081	104136	8	6	28	10	0.0	0	6.90	1	0	480	0	4.69					
C5081	104137	30	20	112	42	0.0	0	3.70	7	0	120	1	5.10					
C5081	104138	54	25	95	58	0.0	0	3.80	8	40	920	0	4.95					
C5081	104139	17	12	81	23	0.0	0	3.60	9	4	560	1	4.93					
C5081	104140	40	22	101	42	0.0	0	3.10	13	12	30	0	4.82					
C5081	104141	2	21	121	48	0.0	1	4.00	14	6	60	0	4.72					
C5081	104142	20	20	78	25	0.4	0	24.00	8			0	4.53					
C5081	104143	7	5	18	4	0.0	0	0.58	3	10	150	1	4.50					
C5081	104144	28	17	75	34	0.0	0	3.10	10	6	60	1	4.72					
C5081	104145	28	16	77	33	0.0	0	3.70	11	6	180	4	4.80					
C5081	104146	32	22	78	45	0.1	0	3.40	11			2	4.75					
C5081	104147	19	16	56	26	0.0	0	2.80	8	10	200	1	4.66					
C5081	104148	20	14	60	26	0.0	0	3.10	8	10	300	1	4.65					
C5081	104149	17	18	50	20	0.0	2	2.10	6			1	4.75					
C5081	104150	20	15	71	27	0.0	2	3.30	6	0	210	4	4.62					
C5081	104151	25	15	78	30	0.0	1	3.50	10	0	300	1	4.73					
C5081	104152	18	20	82	31	0.0	0	3.70	9	12	240	1	4.80					
C5081	104153	19	16	87	27	0.0	1	3.60	6	4	200	1	4.83					
C5081	104154	9	8	48	10	0.0	1	1.48	5	0	140	2	4.66					
C5081	104155	9	6	28	7	0.0	1	0.78	2	12	690	3						
C5081	104156	13	16	42	14	1.4	0	1.11	2			0	4.91					
C5081	104157	17	13	69	22	0.0	0	2.60	6	4	260	1	4.47					
C5081	104158	22	12	93	23	0.0	0	2.80	6	4	180	4	4.83					
C5081	104159	31	15	89	36	0.0	1	3.50	9	4	250	3	4.76					
C5081	104160	26	13	72	30	0.0	0	3.20	8	12	140	0	5.24					
C5081	104161	5	4	18	5	0.0	0	0.70	3	0	240	2	4.78					
C5081	104162	66	43	128	44	0.2	0	4.50	13	4	300	3	4.99					
C5081	104163	44	24	123	46	0.0	0	3.70	8	0	150	3	4.89					
C5081	104164	17	13	150	23	2.0	0	2.00	6			0	4.97					
C5081	104165	20	13	83	26	0.0	0	3.30	10	0	100	1	4.96					
C5081	104166																	
C5081	104167	27	13	71	23	0.0	0	2.80	12	12	150	3	5.01					
C5081	104168	52	21	95	43	0.1	1	4.00	14	0	500	3	5.44					
C5081	104169	48	29	112	34	0.0	2	3.90	17	4	120	43	5.43					
C5081	104170	36	16	107	40	0.0	0	4.20	10	0	90	52	4.96					
C5081	104171	33	18	85	36	0.0	1	3.50	8	6	60	3						
C5081	104172	36	21	84	37	0.0	1	3.70	2			1	4.94					
C5081	104173	18	18	42	20	0.0	0	2.10	5			3	5.00					
C5081	104174	21	31	69	26	0.4	0	2.60	7			2	5.32					
C5081	104175	33	20	79	37	0.7	0	3.50	8	20	350	2	5.76					
C5081	104176	21	16	73	26	0.3	0	3.40	5	0	250	1	5.26					
C5081	104177	46	28	90	68	0.2	0	4.50		10	390	1						
C5081	104178	59	22	95	71	1.3	0	3.50	9			1	5.84					
C5081	104179	12	13	35	16	0.9	0	1.18	3			1	4.78					
C5081	104180	49	20	86	84	0.0	1	4.10	30	0	350	1	5.59					
C5081	104181	25	17	88	41	0.3	1	3.60	12	12	510	1	5.56					
C5081	104182	27	19	104	45	0.0	0	4.20	12	10	250	2	5.28					
C5081	104183	34	15	161	73	0.0	0	5.00		8	520	1						
C5081	104184	50	15	108	110	0.0	0	4.50	21	0	110	1	4.87					
C5081	104185	33	14	87	54	0.0	1	4.20	5	12	160	1	5.03					
C5081	104186	35	14	133	73	0.0	0	4.50	16	10	350	1	5.16					
C5081	104187	39	11	112	63	0.0	1	4.40	15	0	390	1	4.97					
C5081	104188	200	19	120	176	0.2	2	4.60	29	80	850	3	5.68					
C5081	104189	102	23	100	83	0.0	2	5.10	26	8	180	1	5.13					
C5081	104190	66	17	81	114	0.0	1	4.00	8	6	270	1	5.34					

DATE 06/22

.LATE		10:40:33		RID	23	23 JUN 82	MINERL															
.PRJYR	.SAMPLE	.ROCK	.RS	.CU	.PB	.ZN	.NI	.CO	.MO	.FE	.AS	.AU	.AG	.W	.PH							
.NUMBER	.TYPE	.AA	(PPM)	.AA	(PPM)	.AA	(PPM)	.AA	(PPM)	.AA	(PPM)	.AA	(PCT)	.AA	(PPM)	.AA	(PPB)	.AA	(PPB)	.AA	(PPM)	.AA
C5081	104191	22	21	127	33	0.8	0	0.99	4					2	5.78							
C5081	104192	63	25	98	88	0.0	2	4.50	18	10	400			1								
C5081	104193	60	12	86	67	0.0	1	4.30	17	6	120			0								
C5081	104194	73	31	199	73	0.2	2	5.00	21	10	660			2	6.75							
C5081	104195	43	78	69	55	0.1	1	3.10	11	20	400			2	6.99							
C5081	104196	71	21	87	120	0.1	1	4.00	13					1	6.62							
C5081	104197	67	23	84	76	0.3	2	4.01	15					5	5.58							
C5081	104198									0	1050			5								
C5081	104199	62	39	152	54	0.4	2	5.20	35	8	240			1	6.22							
C5081	104200	12	10	63	11	3.0	0	0.80	4					3	4.52							
C5081	104201	52	22	103	56	0.1	0	3.76	14	6	0			2	5.89							
C5081	104202	64	19	115	24	0.1	0	5.30	10	4	250			3	5.42							
C5081	104203	52	22	99	39	0.1	0	5.40	16	2	110			8	5.44							
C5081	104204	28	17	73	38	0.0	0	3.08	5	4	40			18	5.93							
C5081	104205	17	12	33	10	0.0	0	1.31	9	8	460			2	4.48							
C5081	104206	32	18	75	42	0.3	0	3.50	10	6	290			4	5.44							
C5081	104207	35	31	89	49	0.5	0	1.33	5	8	1120			0	5.79							
C5081	104208	49	28	470	62	0.6	0	5.78	8	46	370			0	5.34							
C5081	104209	16	9	88	9	0.7	0	1.10	6	12	270			0	4.08							
C5081	104210	13	11	38	11	0.0	0	2.00	8	4	370			0	4.40							
C5081	104211	25	21	72	22	0.0	0	3.73	15	20	80			2	4.95							
C5081	104212	18	15	73	20	0.1	1	3.58	12	12	160			3	4.83							
C5081	104213	39	19	105	36	0.2	0	3.79	15	14	20			7	4.70							
C5081	104214	36	18	47	12	0.2	0	3.26	8	4	90			0	4.58							
C5081	104215	26	18	79	23	0.1	0	5.00	8	10	320			1								
C5081	104216	31	19	87	33	0.0	0	4.40	10	6	70			0	4.81							
C5081	104217	29	18	75	22	0.0	0	3.59	8	8	340			0	4.23							
C5081	104218	30	17	85	29	0.0	0	3.46	7	4	20			0	5.35							
C5081	104219	43	21	115	49	0.4	0	4.40	11					7	5.64							
C5081	104220	30	27	125	45	0.4	0	4.10	8	12	390			0	5.02							
C5081	104221	37	20	95	37	0.1	0	3.70	9	4	220			1	5.78							
C5081	104222	58	28	115	63	0.2	0	4.60	15	24	240			0	5.91							
C5081	104223	35	23	114	44	0.2	0	4.50	11	12	180			5	5.18							
C5081	104224	47	22	97	58	0.0	0	3.65	9	0	600			0	6.19							
C5081	104225	38	15	89	43	0.1	0	3.84	7	12	160			0	6.04							
C5081	104226									6	180			0								
C5081	104227	45	21	140	41	0.2	1	3.95	12	4	180			5	6.21							
C5081	104228	45	23	110	43	0.3	1	3.90	12	4	480			0	5.35							
C5081	104229	43	24	139	60	0.9	2	4.50	3	8	400			0	5.97							
C5081	104230	32	33	115	29	0.4	1	6.00	16	4	200			0	5.87							
C5081	104231	40	25	118	32	0.2	2	3.65	8	4	140			3	5.81							
C5081	104232	53	29	300	68	0.4	1	4.70	8	16	540			0	6.84							
C5081	104233	76	29	163	74	0.4	2	5.50	12	8	1240			5	6.67							
C5081	104234	45	36	176	34	0.4	4	4.30	20	4	340			0	5.85							
C5081	104235	30	30	94	22	0.4	2	3.33	13	4	460			0	5.16							
C5081	104236	47	30	129	36	0.3	3	3.05	16	20	120			3	4.92							
C5081	104237	35	52	125	32	0.3	3	4.60	21	10	390			1	4.83							
C5081	104238	56	50	127	41	0.3	3	5.40	24	12	520			0	4.29							
C5081	104239	47	41	172	43	0.7	2	3.91	18	2	280			0	5.59							
C5081	104240	83	36	199	44	0.1	4	3.92	26	14	180			3	5.30							
C5081	104241	27	36	101	25	0.9	1	1.15	6					0	5.83							
C5081	104242	24	47	80	27	0.1	1	3.11	20	4	350			3	4.63							
C5081	104243	43	99	109	33	0.0	2	3.60	21	6	110			3	5.11							
C5081	104244	101	21	192	67	0.8	3	6.70	28	12	630			0	4.75							
C5081	104245	33	56	137	24	2.1	6	1.38	4					0	5.50							
C5081	104246	83	54	350	70	3.4	15	1.96	20	0	600			0	5.61							
C5081	104247	177	58	3200	240	29.9	25	4.70	37					6	6.31							
C5081	104248	77	48	580	137	2.4	49	4.50	90	20	480			4	5.01							
C5081	104249	85	32	240	62	0.7	5	3.70	23	6	220			0	5.69							

.DATE		10:40:33		PID 23		23 JUN 82		MINERL											
.PRJYR	.SAMPLE	.ROCK	.RS	.CU	.PB	.ZN	.NI	.CD	.MO	.FE	.AS	.AU	.AG	.W	.PH				
	.NUMBER	.TYPE	.AA	(PPM)	.AA	(PPM)	.AA	(PPM)	.AA	(PPM)	.AA	(PCT)	.AA	(PPM)	.AA	(PPM)	.AA	(PPM)	.AA
C5081	104250		38	34	134	45	0.6	2	2.34	15	8	460	0	5.99					
C5081	104251		54	78	360	50	3.7	6	2.62	17	8	760	4						
C5081	104252		40	45	98	30	0.1	2	3.26	20	2	60	1	5.14					
C5081	104253		50	55	380	63	2.8	5	2.09	20	8	1580	1	5.40					
C5081	104254		68	39	350	67	3.2	4	3.58	22	4	1300	1	5.14					
C5081	104255										2	1190	1						
C5031	104256		61	32	145	44	0.4	2	3.68	16	52	140	0	5.16					
C5031	104257		41	33	146	32	0.3	2	5.10	18	6	290	3	5.60					
C5081	104258		61	32	149	43	0.5	0	5.30	15	16	180	1	5.52					
C5081	104259		23	20	60	14	0.0	0	2.43	7	4	160	3	5.00					
C5081	104260		69	32	126	48	0.6	1	2.93	9	0	1500	0	6.01					
C5081	104261		21	25	48	13	0.0	0	2.56	6	6	40	0	4.49					
C5081	104262		31	50	167	28	1.1	1	2.18	6	24	270	1						
C5081	104263		41	38	126	41	0.7	1	3.41	4	0	410	1	5.26					
C5081	104264		45	46	230	40	2.1	2	3.13	14	8	840	2	4.99					
C5081	104265		53	32	142	52	0.6	0	3.63	10	2	160	5						
C5031	104266										21	16	500	0					
C5081	104267		76	65	350	94	4.0	2	3.68	11	4	720	2	5.28					
C5081	104268		52	45	144	68	0.8	1	4.50	11	4	340	8	5.78					
C5081	104269		58	136	154	108	0.8	1	5.50	19			1						
C5081	104270		39	49	113	41	0.3	1	3.01	20	0	180	2	5.49					
C5081	104271		43	50	79	28	0.0	0	2.92	19	0	50	2	5.08					
C5081	104272		56	51	250	55	1.0	2	3.17	20	0	90	0	5.13					
C5081	104273		42	40	143	53	0.4	1	3.33	22	0	200	8	5.48					
C5081	104274		21	25	64	17	0.0	1	2.28	10	4	340	0	4.31					
C5081	104275		29	23	94	30	0.0	0	2.68	12	0	100	11	4.81					
C5081	104276		27	21	73	25	0.0	0	2.39	16	0	240	0	4.77					
C5081	104277		42	28	104	34	0.1	0	2.93	12	4	60	2	4.72					
C5081	104278		77	53	175	58	0.5	2	2.48	22	4	120	0	4.93					
C5081	104279		57	33	152	55	0.3	1	3.59	16	20	200	0						
C5081	104280		41	25	104	37	0.3	0	4.50	22	0	340	3	5.05					
C5081	104281		47	38	149	48	0.4	0	4.30	20	24	330	0						
C5081	104282		44	143	230	55	1.2	2	3.04	20	0	560	0	5.00					
C5081	104283		52	51	360	107	2.2	2	5.50	24	0	330	2	5.10					
C5031	104284		58	50	149	80	0.4	3	4.01	40	12	360	2	4.48					
C5081	104285		36	58	138	37	0.2	2	4.02	24	0	600	0						
C5081	104286		46	34	110	35	0.1	3	3.66	25	8	440	0	5.11					
C5081	104287		27	20	82	23	0.0	2	2.53	12	12	900	3						
C5081	104288										40	360	0						
C5081	104289		50	35	158	47	0.4	0	2.92	18	14	150	1	5.07					
C5031	104290		44	25	117	35	0.6	1	3.39	18			0	5.10					
C5081	104291		45	33	115	32	0.2	2	3.80	19	0	480	2	4.67					
C5081	104292		43	46	340	63	1.0	4	5.40	27	0	250	1						
C5081	104293		60	36	380	52	1.2	2	3.33	19	0	600	2						
C5031	104294		30	30	91	26	0.0	1	3.54	14	0	600	0	4.42					
C5081	104295		52	32	650	85	2.3	1	3.68	26	0	280	2	5.25					
C5031	104296		49	49	165	25	2.1	3	3.08	20	0	600	1						
C5081	104297		29	40	159	25	0.7	0	2.76	13	0	400	0						
C5081	104298		27	34	85	25	0.0	1	3.97	19	12	930	1						
C5031	104299		27	33	102	36	0.0	0	3.83	15	0	250	1	4.35					
C5081	104300		35	44	101	35	0.0	0	3.97	17	0	180	0	4.82					
C5081	104301		29	36	400	39	0.3	0	3.74	9	4	140	20						
C5081	104302		27	33	370	27	0.1	0	2.85	12	10	120	1	5.07					
C5081	104303		62	54	182	39	0.1	1	3.94	12	6	540	11						
C5081	104304										0	1160	10						
C5031	104305		41	35	100	43	0.0	1	3.11	14	4	110	4	5.67					
C5081	104306		33	47	93	32	0.0	1	3.70	12	12	60	5	4.60					
C5081	104307		13	21	42	12	0.0	1	2.24	7	0	270	5	4.20					
C5031	104308		9	19	30	8	0.0	0	1.19	6	0	270	4	4.37					

DATE		10:40:33		RID		23		23 JUN 82		MINEPL											
PPJYR	SAMPLE	ROCK	RS	CU	PB	ZN	NI	CO	MO	FE	AS	AU	AG	V	PH						
NUMBER	TYPE	AA(PPM)	AA(PPM)	AA(PPM)	AA(PPM)	AA(PPM)	AA(PPM)	AA(PPM)	AA(PCT)	AA(PPM)	AA(PPM)	AA(PPB)	AA(PPB)	AA(PPM)	AA						
05081	104309	9	9	33	8	0.0	0	0.86	5	10	2200	4	3.70								
05081	104310	3	10	12	4	0.0	0	0.31	5	0	140	8	3.76								
05081	104311	76	49	99	60	0.0	0	6.50	15	2	150	3	4.46								
05081	104312	14	8	39	16	0.0	0	2.26	7	4	280	4	4.24								
05081	104313	18	16	55	16	0.0	0	2.17	8	0	2400	3	3.78								
05081	104314	15	18	52	13	0.0	0	2.61	7	0	480	6									
05081	104315	38	17	101	30	0.0	1	4.10	8	0	450	7	3.93								
05081	104316	13	18	32	7	0.0	0	1.64	5	0	360	8	4.05								
05081	104317	13	11	36	9	0.0	1	1.83	7	16	620	0	4.02								
05081	104318	8	8	24	5	0.0	0	0.71	6	15	870	4									
05081	104319	36	22	124	33	0.0	2	2.81	14	4	1800	5	4.78								
05081	104320	51	17	133	47	0.0	0	3.45	17	8	360	7	4.71								
05081	104321	11	10	43	12	0.0	0	1.47	8	0	800	4									
05081	104322	18	13	53	17	0.0	0	4.20	12	15	420	4									
05081	104323	18	23	60	16	0.0	0	3.50	4	6	510	4	4.35								
05081	104324	31	20	34	6	0.4	0	1.13	2	0	1650	6	3.96								
05081	104325	12	11	49	5	0.0	1	0.97	3	0	1230	13	3.92								
05081	104326	31	900	28	15	0.2	0	0.69	3	10	350	4	3.81								
05081	104327	27	13	41	10	0.0	0	1.68	3	6	420	9	4.31								
05081	104328	43	27	79	20	0.0	2	5.00	4	4	340	4	4.54								
05081	104329	56	30	70	19	0.3	1	3.88	4	0	540	3	4.69								
05081	104330	43	28	60	15	0.1	3	3.23	4	0	1400	5	4.51								
05081	104331	14	32	38	7	0.0	2	1.21	2			3	4.20								
05081	104332	24	22	46	11	0.0	2	2.53	4	0	870	11	4.16								
05081	104333	30	18	91	19	1.2	4	1.71	4	12	990	6	4.08								
05081	104334	4	8	34	4	0.1	0	0.26	1	6	450	0									
05081	104335	8	13	28	6	0.0	1	1.59	2	6	2490	4	3.92								
05081	104336	45	17	59	12	0.3	1	1.95	0	10	2400	5	4.11								
05081	104337	9	12	65	18	0.0	2	1.63	1			3	4.79								
05081	104338	7	12	20	4	0.0	0	0.87	1	10	400	5									
05081	104339	19	18	49	13	0.0	0	3.57	5	20	220	5	4.27								
05081	104340	18	16	46	10	0.0	1	4.30	1	10	300	2	4.23								
05081	104341	15	21	55	11	0.0	3	2.77	5			3	3.91								
05081	104342									0	300	5									
05081	104343	4	11	13	3	0.0	1	2.12	2	20	700	2									
05081	104344	7		17	3	0.0	1	0.32	2			2	3.95								
05081	104345	2	9	8	1	0.0	0	0.16	2	16	880	0	3.92								
05081	104346	9	15	32	7	0.0	1	1.58	4	60	1360	2	4.00								
05081	104347	14	12	36	10	0.0	1	3.43	7	36	1110	2	4.13								
05081	104348	18	16	70	16	0.0	0	3.06	4	0	200	2	4.54								
05081	104349	3	9	7	1	0.0	0	0.28	3	4	200	7	4.03								
05081	104350								3	0	330	5									
05081	104351	6	8	15	5	0.0	0	0.85	7	0	250	2									
05081	104352	24	25	118	17	0.0	1	4.90	7	2	340	0	4.16								
05081	104353	10	13	41	8	0.0	1	2.01	9	12	360	2	4.15								
05081	104354	31	11	50	11	0.0	1	2.44	9	4	400	2	4.16								
05081	104355	8	9	25	6	0.0	1	3.07	9	6	450	2	4.43								
05081	104356	16	14	64	14	0.0	0	4.30	6	8	370	5	4.88								
05081	104357	15	25	106	25	0.0	1	4.00	12	8	210	3	4.93								
05081	104358	18	21	55	19	0.0	1	3.93	10	36	270	2	7.80								
05081	104359	17	22	56	14	0.1	2	1.64	6			2	4.27								
05081	104360	54	53	65	63	0.1	2	3.70	31			16	4.28								
05081	104361	14	22	31	16	0.0	1	1.82	19	24	200	16	4.20								
05081	104362	8	10	18	6	0.0	1	0.91	7	8	40	10	3.84								
05081	104363	10	13	24	8	0.0	1	1.15	5	0	40	5	3.87								
05081	104364	19	29	43	13	0.0	2	2.30	5	12	60	5	3.95								
05081	104365	7	12	15	4	0.0	2	9.40	6	0	120	5	3.88								
05081	104366	6	2	22	5	0.0	1	8.00	4	8	80	5	3.80								
05081	104367	6	11	19	4	0.0	2	1.19	7	0	280	4	3.90								

DATE 10:40:33		PID 23		23 JUN 82		MINERL									
PRJYR	SAMPLE, ROCK, RS, CU	PB	ZN	NI	CD	MO	FE	AS	AU	AG	W	PH			
NUMBER	TYPE	AA (PPM)	AA (PPM)	AA (PPM)	AA (PPM)	AA (PPM)	AA (PCT)	AA (PPM)	AA (PPB)	AA (PPB)	AA (PPM)	AA			
C5081	104368	11	7	30	10	0.0	2	1.30	10	8	160	3	3.84		
C5081	104369	10	6	30	8	0.0	1	1.37	8	0	100	5	3.85		
C5081	104370	6	6	20	3	0.0	1	0.41	3	0	560	3	3.63		
C5081	104371	9	1	29	5	0.0	2	0.78	2	0	40	3	3.75		
C5081	104372	21	57	46	112	0.0	2	1.44	10	0	400	4	4.10		
C5081	104373	9	8	29	8	0.0	2	0.63	4			2	3.69		
C5081	104374	15	25	45	13	0.0	2	2.05	25	4	120	4	3.92		
C5081	104375	6	7	26	5	0.0	1	0.39	9	0	80	7	4.21		
C5081	104376	5	5	46	5	0.0	0	0.39	4	0	80	0	4.36		
C5081	104377	6	8	22	5	0.0	1	0.56	10	4	40	3	4.44		
C5081	104378	4	0	17	3	0.0	1	0.36	2	0	40	4	3.75		
C5081	104379	5	0	15	1	0.0	1	0.40	5	36	60	3	3.68		
C5081	104380	6	0	24	5	0.0	1	0.54	5	0	40	3	3.90		
C5081	104381	5	4	19	3	0.0	1	0.47	2	0	320	2	3.74		
C5081	104382	5	6	19	3	0.0	1	0.43	6	152	180	2	3.93		
C5081	104383	33	260	83	26	0.1	1	3.00	20	8	520	1	4.33		
C5081	104384	14	36	44	11	0.0	1	1.88	19	36	120	4	4.60		
C5081	104385	13	31	26	5	0.0	1	0.69	5	312	560	2	4.06		
C5081	104386	32	52	82	27	0.0	2	2.14	23	56	120	3	4.49		
C5081	104387	17	19	47	13	0.0	2	1.40	20	40	240	4	4.36		
C5081	104388	13	10	38	10	0.0	2	0.37	24	40	80	5	4.15		
C5081	104389	7	2	22	4	0.0	1	0.63	4	0	200	2	3.75		
C5081	104390	24	24	70	20	0.0	2	2.34	18	34	160	3	4.60		
C5081	104391	10	11	24	5	0.0	1	0.45	5			1	3.92		
C5081	104392	13	14	47	10	0.0	2	1.62	14	16	80	3	4.22		
C5081	104393	22	19	94	24	0.0	2	1.40	8	18	80	2	5.02		
C5081	104394	19	27	68	17	0.1	2	1.86	7	8	240	3	4.57		
C5081	104395	11	10	38	9	0.0	2	1.25	11	4	200	3	3.98		
C5081	104396	31	31	158	20	1.6	4	0.32	9	20	200	4	5.01		
C5081	104397	39	41	154	34	2.7	5	1.69	11	0	960	2	5.17		
C5081	104398	14	13	45	12	0.0	4	1.90	11	8	320	2	4.92		
C5081	104399	58	54	98		0.1	3	2.02	11	0	2120	2	5.75		
C5081	104400	22	43	95	22	0.5	4	1.94	8	0	520	3	5.15		
C5081	104401	10	16	47	8	0.0	2	1.08	8	0	500	1	6.41		
C5081	104402	16	24	65	9	0.0	3	0.73	3			0	5.30		
C5081	104403	17	26	350	40	4.0	5	1.59	7	0	240	2	5.94		
C5081	104404	42	29	101	74	0.0	4	3.80	14	40	920	3	5.78		
C5081	104405	87	38	690	81	0.1	4	2.70	32	0	240	7	5.53		
C5081	104406	36	25	125	46	0.0	3	2.57	1	94	450	5	5.50		
C5081	104407	55	32	146	53	0.0	7	2.90	20	62	730	6	4.69		
C5081	104408	27	23	90	27	0.0	3	3.00	8	0	700	2	4.53		
C5081	104409	111	41	146	125	0.0	5	3.70	20	16	360	2	4.65		
C5081	104411	14	43	38	10	0.0	2	1.69	15	16	390	14	4.65		
C5081	104412	10	23	30	7	0.0	2	1.69	11	74	350	10	4.34		
C5081	104413	32	38	79	23	0.0	0	3.77	23	78	310	4	4.46		
C5081	104414	5	7	13	4	0.0	0	0.54	3	34	240	3	3.72		
C5081	104415	9	8	27	5	0.0	0	1.00	3	68	480	3	3.64		
C5081	104416	15	15	46	10	0.0	3	1.93	7	0	840	2	3.69		
C5081	104417	12	15	28	6	0.0	0	1.50	5	16	800	10	3.89		
C5081	104418	13	36	33	8	0.0	0	1.48	2	40	1280	25	3.82		
C5081	104419	16	81	91	27	1.3	0	2.49	30			2	5.69		
C5081	104420	9	10	23	4	0.0	1	1.23	6	472	200	3	4.42		
C5081	104421	10	8	27	6	0.0	2	1.67	9	2	80	4	3.79		
C5081	104422	8	6	26	5	0.0	1	1.07	5	16	40	4	4.11		
C5081	104423	21	21	153	17	1.2	3	2.50	9			3	4.20		
C5081	104424	21	15	70	23	0.0	1	1.57	15	0	200	3	4.32		
C5081	104425	50	67	85	34	0.3	2	2.39	13	8	800	2	5.61		
C5081	104426	24	31	68	20	0.0	1	2.28	7			1	4.36		
C5081	104427	23	32	68	20	0.0	2	1.84	9	0	120	2	4.46		

```

( .DATE      10:40:33 RID      23      23 JUN 82 MINERL
*PRJYR .SAMPLE.ROCK.RS.CU .PB .ZN .NI .CD .MO .FE .AS .AU .AG .W .PH
* .NUMBER.TYPE. .AA(PPM).AA(PPM).AA(PPM).AA(PPM).AA(PPM).AA(PPM).AA(PCT).AA(PPM).AA(PPB).AA(PPB).AA(PPM).AA
-----
( 05081 104428      23      32      107      27      1.8      3      2.02      8      0      480      2      5.92
05081 104429      22      33      83      22      0.0      2      2.08      12      12      60      2      6.26
05081 104430      21      28      113      23      1.9      4      1.65      11      0      0      3      4.84
05081 104431      128      34      760      170      6.5      7      2.92      14      0      0      9      5.53
05081 104432      25      16      70      23      0.0      2      2.22      7      48      320      4      4.76
05081 104433      160      9      470      154      0.0      4      5.90      63      0      560      3      4.90
05081 104434      36      26      151      33      0.0      3      3.93      8      0      640      8      4.52
05081 104435      97      86      160      185      0.0      3      0.34      35      0      0      4      4.63
..... END REPORT .....

```

104435 104434 104433 104432 104431 104430 104429 104428

YANKS PEAK
STREAM SEDIMENT DATA LISTING
1981 FIELD PROGRAM

*PRJYR	.SAMPLE	.ROCK	.RS	.CU	.PB	.ZN	.NI	.CD	.FE	.MO	.AU	.AG	.AS	.W	.PH	PAGE	1
*	.NUMBER	.TYPE	.AA	(PPM)	.AA	(PPM)	.AA	(PPM)	.AA	(PPM)	.AA	(PPM)	.AA	(PPM)	.AA	(PPM)	.AA
C5081	FS0001		22	13	144	32	0.7	0	2.46	0	50	9	2	7.05			
C5081	FS0002		18	17	111	25	0.8	1	2.21	24	60	11	2	6.94			
C5081	FS0003		29	13	125	31	0.2	0	3.54	0	60	10	2	6.98			
C5081	FS0004		23	29	120	30	0.5	0	3.40	0	100	9	7	7.09			
C5081	FS0005		17	14	107	29	0.9	0	2.22	12	40	9	4	7.02			
C5081	FS0006		18	17	98	23	0.3	0	2.37	4	30	7	8	7.02			
C5081	FS0007		13	19	151	24	0.4	7	1.92	4	10	7	2	7.16			
C5081	FS0008		27	86	133	36	0.7	0	2.76	2	160	19	1	6.59			
C5081	FS0009																
C5081	FS0010		13	22	107	27	0.4	1	2.66	4	50	9	10	7.30			
C5081	FS0011		26	21	140	36	0.9	1	3.03	4	90	9	20	7.30			
C5081	FS0012		39	26	109	32	0.3	0	2.59	0	240	15	1	7.22			
C5081	FS0013		33	40	143	47	0.3	0	4.80	6	390	10	109	7.43			
C5081	FS0014		21	19	129	35	0.3	1	2.71	0	50	19	12	7.09			
C5081	FS0015		22	20	116	34	0.4	2	2.80	8	60	13	1	6.98			
C5081	FS0016		14	31	101	28	0.3	3	1.83	0	30	12	0	7.10			
C5081	FS0017		26	34	121	39	0.4	3	3.04	2	110	27	5	6.36			
C5081	FS0018																
C5081	FS0019		21	21	113	31	0.3	2	2.55	0	50	38	2	6.76			
C5081	FS0020		47	58	167	33	0.5	5	2.96	12	160	18	2	6.97			
C5081	FS0021		26	510	510	26	5.3	3	2.45	184	430	32	2	6.98			
C5081	FS0022		16	16	101	27	0.4	1	2.30	0	60	8	2	7.19			
C5081	FS0023		13	14	53	21	0.3	1	1.70	0	30	13	5	7.01			
C5081	FS0024		12	22	93	22	0.1	1	1.75	0	30	9	2	7.09			
C5081	FS0025		21	20	100	26	0.1	2	2.53	14	160	14	5	7.41			
C5081	FS0026		23	25	135	37	0.7	4	3.30	302	130	14	2	7.11			
C5081	FS0027		13	16	101	22	0.6	6	1.82	0	20	7	2	7.19			
C5081	FS0028		19	23	116	25	0.5	3	2.05	0	60	7	2	7.03			
C5081	FS0029		21	91	152	34	0.7	3	3.26	0	160	9	2	7.25			
C5081	FS0030		18	23	132	32	1.1	2	2.28	0	50	14	2	7.16			
C5081	FS0031		21	21	124	33	0.9	4	2.64	0	40	6	2	7.19			
C5081	FS0032		19	18	120	32	1.0	3	2.09	2	60	29	2	6.97			
C5081	FS0033		21	25	140	36	1.1	4	3.21	0	40	10	1	7.13			
C5081	FS0034		26	17	146	34	1.0	2	2.97	2	80	29	2	6.99			
C5081	FS0035		17	22	121	27	0.6	7	2.39	0	90	25	2	6.98			
C5081	FS0036		18	20	117	30	0.8	3	2.18	0	90	21	5	7.11			
C5081	FS0037		18	17	103	28	0.7	3	2.08	6	70	4	2	7.05			
C5081	FS0038		23	24	120	31	0.9	4	2.22	2	20	11	2	6.92			
C5081	FS0039		21	19	149	34	1.1	3	2.82	2	100	18	2	6.90			
C5081	FS0040		20	20	104	28	0.5	4	2.27	6	130	14	2	6.95			
C5081	FS0041		19	16	99	25	0.3	3	2.71	0	690	4	0	6.86			
C5081	FS0042		21	20	126	33	0.6	2	3.22	10	70	27	0	6.93			
C5081	FS0043		17	19	100	29	1.1	4	2.18	4	20	7	2	6.95			
C5081	FS0044		16	13	84	23	0.4	2	1.82	6	50	4	1	6.89			
C5081	FS0045		20	23	103	30	0.5	3	2.64	6	90	12	4	6.90			
C5081	FS0046		11	12	49	17	0.2	3	1.50	8	90	2	2	7.06			
C5081	LS0001		24	26	111	45	0.5	2	3.64	0	110	14	2	6.95			
C5081	LS0002		22	41	105	35	0.2	4	1.58	0	80	10	5	7.54			
C5081	LS0003		24	19	107	38	0.5	3	2.06	0	80	12	12	7.74			
C5081	LS0004		26	20	122	107	0.4	3	3.43	0	70	16	2	7.66			
C5081	LS0005		23	19	112	40	0.4	3	2.13	0	60	9	2	7.95			
C5081	LS0006		31	18	162	79	1.0	4	2.88	0	70	13	2	7.46			
C5081	LS0007		33	29	135	71	0.6	3	2.71	0	100	16	2	7.66			
C5081	LS0008		24	57	131	55	0.7	4	2.64	0	120	10	2	7.87			
C5081	LS0009		28	14	119	40	0.2	3	2.90	0	90	9	2	7.84			
C5081	LS0010		26	17	118	39	0.5	4	2.78	0	90	12	2	7.50			
C5081	LS0011		24	7	123	63	0.8	3	2.46	2	80	10	2	7.15			
C5081	LS0012		32	15	140	61	0.3	3	2.20	0	80	20	3	7.29			

*FRJYR	.SAMPLE	.ROCK	.RS	.CU	.PB	.ZN	.NI	.CO	.FE	.MO	.AU	.AG	.AS	.W	.PH	PAGE			
*	NUMBER	TYPE	.AA	(PPM)	.AA	(PPM)	.AA	(PPM)	.AA	(PPM)	.AA	(PPB)	.AA	(PPB)	.AA	(PPM)	.AA	(PPM)	.AA
05081	LS0013		21	8	126	41	0.2	2	3.26	4	70	8	2	7.30					
05081	LS0014		19	13	124	59	0.3	2	3.52	0	110	12	4	7.80					
05081	LS0015		29	9	143	40	0.3	2	3.67	0	100	3	2	7.25					
05081	L00001		10	8	112	46	0.1	0	5.30	0	120	75	0	6.94					
05081	L00002		6	8	74	27	0.0	0	4.20	0	140	72	1	6.71					
05081	L00003		3	3	31	7	0.0	1	1.50	10	80	43	2	6.34					
05081	L00004		5	6	72	16	0.0	1	3.31	0	70	59	2	6.39					
05081	L00005		9	12	55	15	0.0	1	2.04	4	60	39	2	6.41					
05081	L00006		11	12	82	23	0.1	1	1.80	0	70	28	2	6.47					
05081	L00007		15	10	71	18	0.0	2	1.54	8	100	17	3	6.53					
05081	L00008		15	9	68	14	0.0	2	1.74	2	50	12	0	6.57					
05081	L00009		12	22	74	16	0.0	1	2.09	4	50	16	1	6.54					
05081	L00010		13	15	73	20	0.1	1	2.44	4	110	17	2	6.41					
05081	L00011		9	15	72	16	0.1	1	1.45	2	90	17	0	6.52					
05081	L00012		15	20	87	27	0.1	0	1.97	0	70	20	2	6.88					
05081	L00013		134	1	44	50	0.0	1	4.40	1294	520	1000		6.35					
05081	L00014		12	11	70	19	0.1	1	2.04	0	90	19	2	4.14					
05081	L00015		13	12	68	19	0.0	1	2.27	0	70	19	4	5.84					
05081	L00016		15	15	72	21	0.0	2	2.84	0	110	15	59	6.56					
05081	L00017		13	15	70	24	0.0	2	2.46	0	90	17	5	6.41					
05081	L00018		24	19	71	30	0.1	2	2.75	2	120	20	2	6.86					
05081	L00019		12	17	62	22	0.0	1	2.13	0	60	15	6	6.73					
05081	L00020		17	17	66	23	0.0	2	1.97	0	100	16	7	6.80					
05081	L00021		14	17	67	22	0.1	2	2.32	0	130	24	4	6.93					
05081	L00022		17	18	89	32	0.0	1	2.20	0	150	21	2	6.92					
05081	L00023		13	15	63	19	0.0	1	1.36	2	150	19	2	6.18					
05081	L00024		11	11	51	18	0.0	1	1.37	0	90	12	2	6.53					
05081	L00025		11	6	45	15	0.0	0	1.50	0	70	8	2	6.56					
05081	L00026		11	18	64	22	0.0	1	1.55	0	120	15	2	6.74					
05081	L00027		11	16	56	16	0.0	1	1.77	0	100	10	1	6.67					
05081	L00028		16	14	76	24	0.0	2	2.63	0	100	14	11	6.87					
05081	L00029		9	9	80	23	0.0	2	3.35	0	50	9	2	7.13					
05081	L00030		17	12	86	29	0.0	2	2.98	0	60	14	4	6.99					
05081	L00031		14	16	83	23	0.0	2	1.91	0	110	16	56	6.77					
05081	L00032		17	17	84	22	0.1	2	2.64	0	60	17	3	6.78					
05081	L00033		11	8	56	21	0.0	1	2.13	0	40	5	2	6.85					
05081	L00034		14	17	77	24	0.1	3	2.68	0	80	19	2	6.72					
05081	L00035		17	12	70	26	0.0	4	2.52	0	60	16	4	6.87					
05081	L00036		10	11	72	18	0.0	2	2.24	0	40	10	1	6.85					
05081	L00037		9	11	43	16	0.0	1	1.78	0	140	8	0	7.09					
05081	L00038		16	15	106	32	0.1	1	2.96	24	120	14	8	6.81					
05081	L00039		27	4	47	94	0.1	3	4.03	16	70	37	2	6.89					
05081	L00040		17	19	111	33	0.1	2	3.58	320	130	20	8	6.74					
05081	L00041		23	13	93	26	0.1	2	2.79	20	70	17	2	7.14					
05081	L00042		10	5	71	24	0.0	2	2.34	4	70	8	1	6.99					
05081	L00043		12	12	84	28	0.1	1	2.64	18	100	17	5	6.81					
05081	L00044		16	19	105	33	0.1	3	3.24	16	130	15	10	6.94					
05081	L00045		14	13	122	30	0.1	2	3.09	0	90	15	4	6.98					
05081	L00046		12	8	94	26	0.0	1	2.97	0	80	9	13	6.91					
05081	L00047		12	8	77	24	0.0	1	2.92	0	60	13	5	6.92					
05081	L00048		17	12	94	30	0.0	2	2.72	4	100	9	2	6.88					
05081	L00049		18	8	95	25	0.1	2	3.06	0	60	16	3	6.89					
05081	L00050		17	11	86	28	0.1	2	2.86	18	90	12	4	6.69					
05081	L00051		8	4	75	21	0.1	1	2.36	0	90	5	1	7.18					
05081	L00052		10	6	94	26	0.1	2	2.54	0	70	8	2	7.46					
05081	L00053		12	14	93	24	0.1	1	2.24	18	40	9	2	7.17					
05081	L00054		15	8	102	26	0.1	4	2.98	0	60	11	2	7.68					
05081	L00055		10	10	88	26	0.1	2	2.53	52	100	9	2	7.44					
05081	L00056		14	10	120	33	0.1	2	3.13	0	80	8	2	7.22					

*PRJYR	.SAMPLE	.ROCK	.RS	.CU	.PB	.ZN	.NI	.CD	.FE	.MO	.AU	.AG	.AS	.N	.PH	PAGE		
*	NUMBER	TYPE	.AA	(PPM)	.AA	(PPM)	.AA	(PPM)	.AA	(PPM)	.AA	(%)	.AA	(PPM)	.AA	(PPM)	.AA	
C5081	L00057		13		9		93		24		0.1	2	2.68	18	70	9	2	7.26
C5081	L00058		19		16		130		34		0.1	2	3.21	14	110	14	4	6.68
C5081	L00059		23		10		85		25		0.1	2	2.21	0	70	7	2	6.85
C5081	L00060		18		11		100		27		0.1	1	3.20	10	120	8	3	6.93
C5081	L00061		29		56		150		44		0.1	5	3.00	2	270	2	2	6.68
C5081	L00062		20		10		105		42		0.1	1	3.02	68	110	7	2	7.19
C5081	L00063		11		9		66		18		0.0	2	1.58	0	100	4	2	7.33
C5081	L00064		17		11		170		72		0.1	1	3.19	2	110	16	21	6.64
C5081	L00065		14		10		114		30		0.1	2	2.49	0	150	15	23	6.59
C5081	L00066		18		10		175		70		0.1	1	2.60	14	90	23	4	6.83
C5081	L00067		15		9		134		34		0.1	0	1.68	0	110	15	3	6.89
C5081	L00068		17		14		139		35		0.1	0	1.14	8	80	19	8	6.88
C5081	L00069		19		23		112		50		0.1	1	2.95	2	100	10	4	7.07
C5081	L00070		21		12		169		30		0.1	2	1.87	62	100	11	4	6.85
C5081	L00071		18		25		97		23		0.1	1	2.42	0	160	11	2	7.06
C5081	L00072		13		10		68		21		0.1	1	1.32	0	90	6	2	7.11
C5081	L00073		16		11		115		24		0.1	1	1.08	24	60	8	2	6.95
C5081	L00074		11		3		82		21		0.0	1	1.92	0	220	2	2	7.00
C5081	L00075		19		17		130		33		0.1	2	2.32	26	70	10	3	6.41
C5081	L00077		22		6		99		20		0.0	2	1.64	0	180	2	2	6.82
C5081	L00078		20		12		115		31		0.1	0	2.10	0	60	8	4	6.84
C5081	L00079		22		18		120		32		0.1	1	2.01	6	80	10	3	6.86
C5081	L00080		12		8		94		28		0.0	1	2.11	0	50	6	2	6.89
C5081	L00081		22		12		94		26		0.1	1	1.32	0	80	8	8	7.14
C5081	L00082		17		9		96		24		0.1	2	2.11	0	60	8	4	6.86
C5081	L00083		16		12		88		25		0.0	2	1.87	0	80	7	3	6.93
C5081	L00084		16		8		105		26		0.0	1	2.80	0	80	7	3	6.79
C5081	L00085		15		10		122		30		0.1	0	2.33	0	110	9	5	6.84

..... END REPORT

YANKS PEAK
ROCK GEOCHEMISTRY DATA LISTING
1981 FIELD SEASON

.DATE 14:43:34 RIO 22 21 JUN 82 MINERL
 .PRJYR .SAMPLE.ROCK.RS.CU .PB .ZN .NI .CD .FE .MO .AS .AU .AG .W .PH
 .NUMBER.TYPE .AA .AA .AA .AA .AA .AA .AA .AA .AA .AA .AA .AA .AA .AA .AA

.PRJYR	.SAMPLE	.ROCK	.RS	.CU	.PB	.ZN	.NI	.CD	.FE	.MO	.AS	.AU	.AG	.W	.PH
NUMBER	TYPE	AA	AA	AA	AA	AA	AA	AA	AA	AA	AA	AA	AA	AA	AA
05081	BTAL00	18	15	25	24	0.0	2.50	0	2	176	320	4	7.51		
05081	CON001	31	130	61	78	0.0	2.10	0	9	0	420	1	7.41		
05081	CON002	42	2	47	58	0.0	1.98	3	0	0	100	2	7.74		
05081	CON003	19	0	132	250	0.0	2.38	1	68	6	80	7	8.36		
05081	CON004	31	10	490	27	0.5	2.80	14	6	0	20	2	7.04		
05081	CTAL00	23	0	83	32	0.0	3.90	0	4	284	80	4	7.02		
05081	HEB001	21	18	24	9	0.1	2.34	3		124	80				
05081	HEB002	163	37	140	29	0.3	2.32	4		12	1160				
05081	HED004	13	2700	420	10	0.3	16.50	2		18	1930				
05081	HED004R	35	3600	340	7	0.0	5.60	0		4	2490				
05081	HED005	28	20	76	30	0.0	4.08	0		0	40				
05081	HED007	34	8	195	33	0.2	5.50	3		4	140				
05081	HEL000	13	14	96	10	0.7	6.07	6		0	60				
05081	HEL001	11	37	12	7	0.1	0.32	0		18	30				
05081	HEL002	35	6	98	31	0.0	3.85	1		0	20				
05081	HEL003	4	41	34	29	0.4	1.18	0		0	130				
05081	HEL004	3	122	98	16	1.8	1.06	1		86	25000				
05081	HEL005	9	173	52	12	0.2	1.61	0		10	80				
05081	HEL006	6	21	16	7	0.0	0.95	0		0	10				
05081	HEL007	23	11	140	32	0.1	3.76	1		8	60				
05081	HEL008	9	31	220	45	0.0	2.82	13		10	280				
05081	HEL009	13	34	118	12	0.2	1.38	4		10	140				
05081	HES001	62	127	1020	70	2.6	6.00	1	169	42	90	19	6.52		
05081	HES002	63	125	1030	65	2.5	6.00	0	43	2	100	4	6.67		
05081	JIMA00	21	8	49	25	0.0	2.18	0	0	0	50	1	6.77		
05081	JRSN00	3	0	185	99	0.0	7.30	0	0	0	40	0	6.97		
05081	LPO001	430	86	4700	27	43.6	4.19	3		122	79000				
05081	LPO002	660	1630	150	174	0.7	4.70	5		82	4800				
05081	LPO003	61	0	48	153	0.0	5.20	4		16	1150				
05081	LD053A	1	0	6	3	0.0	0.76	2	0	0	10	0	7.12		
05081	LD063A	6	4	92	10	0.0	2.20	1	5	2	180	4	6.92		
05081	LD069A									0	120				
05081	NBC001	9	3	5	4	1.1	0.42	2	11	0	10	0	6.34		
05081	NBC002	9	0	27	5	0.0	0.78	0	1	0	40	1	6.27		
05081	NBC003	6	103	96	11	0.0	1.22	0	0	4	10	0	5.57		
05081	NBC004	5	13	2	1	0.0	0.26	1	0	6	70	2	5.51		
05081	PH0990	11	13	14	27	0.1	0.90	2	21	122	210	2	5.81		
05081	PH0991	7	59	202	16	0.0	1.58	21	14	8	190	6	5.69		
05081	PH0992	31	5	41	20	0.0	2.80	2	2	0	130	2	5.79		
05081	PH0993	3	95	23	3	0.1	0.38	0	22	10	120	2	6.11		
05081	PH0994	13	27	120	11	0.6	1.20	2	11	710	600	3	4.70		
05081	PH0995	31	9	150	40	0.3	3.52	7	43	366	160	7	4.83		
05081	PH0996	21	24	62	20	0.0	2.94	1	30	6	250	1	4.90		
05081	PH0997	10	12	5	5	0.0	0.71	0	9	244	120	4	5.37		
05081	RA0001	2	0	7	4	0.0	0.33	1	1	0	0	1	9.11		
05081	RA0002	1	23	1	2	0.0	0.22	2	2	2	20	2	7.38		
05081	RA0003	5	2	35	8	0.0	1.32	0	9	0	10	1	6.33		
05081	RA0004	7	6	15	4	0.0	1.40	2	17	16	20	3	5.12		
05081	RA0005	1	0	0	2	0.0	0.22	1	0	0	0	0	5.82		
05081	RA0006	9	5	5	4	0.0	0.86	1	3	6	60	2	5.26		
05081	RA0007	10	19	17	11	0.0	1.75	1	0	2	0	2	5.75		
05081	RA0008	3	2	10	4	0.0	0.42	0	0	0	60	0	5.67		
05081	RA0009	6	9	20	6	0.0	1.01	1	0	0	80	0	5.70		
05081	RA0010	18	4	62	24	0.0	3.13	0	5	0	50	1	5.91		
05081	RA0011	8	4	45	12	0.0	1.86	0	12	0	60	1	5.80		

.DATE	14:43:34	RID	22	21 JUN 82	MINERL											
*PRJYR	.SAMPLE.ROCK.RS.CU	.PB	.ZN	.NI	.CD	.FE	.MO	.AS	.AU	.AG	.W	.PH				
*NUMBER	.TYPE	.AA	.AA	.AA	.AA	.AA	.AA	.AA	.AA	.AA	.AA	.AA				
C5081	RC0001	3	16	16	4	0.0	0.41	2	6	6	70	0	5.47			
C5081	RC0003	4	6	6	4	0.0	0.32	2	0	2	60	2	5.45			
C5081	RC0004	24	26	38	11	0.0	1.07	1	2	10	90	0	5.53			
C5081	RC0005	5	8	24	10	0.0	1.19	1	0	6	70	2	5.55			
C5081	RC0006	4	0	12	6	0.0	0.37	1	0	6	40	0	5.68			
C5081	RC0007	38	40	400	88	5.6	3.80	9	33	4	20	4	5.71			
C5081	RC0008	25	65	280	65	5.4	2.70	6	16	0	160	2	6.66			
C5081	RC0009	17	22	163	26	2.3	1.58	5	14	10	150	3	7.07			
C5081	RC0010	16	19	150	26	2.3	1.22	5	16	0	140	5	6.97			
C5081	RC0011	18	10	58	23	0.0	1.92	2	12	0	70	5	7.12			
C5081	RC0012	11	13	71	19	0.0	2.17	3	8	0	150	1	6.92			
C5081	RC0013	0	0	0	3	0.0	0.18	1	0	0	60	0	6.95			
C5081	RC0014	22	25	112	31	0.0	2.40	4	7	0	90	2	6.31			
C5081	RST001	67	9	340	187	0.6	7.50	2	9	0	80	0	4.68			
C5081	RST002	4	8								2	60				
C5081	RST003	74	28								0	50				
C5081	RST004	76	32	400	126	0.0	10.80	0	4	0	50	0	5.09			
C5081	RST005	117	165	1390	270	10.2	12.60	2	8	0	260	0	5.01			
C5081	RST006	6	55								0	90				
C5081	RST007	26	3	120	23	0	4.26	2	1	0	10	2	5.26			
C5081	RST008	15	0								0	40				
C5081	R10000	13	147	99999	121	1060	15.60	1		25400	27000					
C5081	TS0015	23	86	157	26	1.1	3.06	1	12	12	80	7	6.25			
C5081	YPAL00	25	33	42	25	0.0	3.28	0	9	582	160	2	6.89			
C5081	YPA000	5	0	2	1	0.0	0.19	0	0	0	40	0	5.23			
C5081	YPB000	3	0	3	3	0.0	0.40	1	6	0	20	0	5.25			
C5081	YPC000	26	0	50	37	0.0	3.40	1	22	0	80	2	5.52			
C5081	YPD000	260	0	260	87	0.0	13.70	0	53	30	60	2	5.73			
C5081	YPE000	8	65	19	9	0.0	1.14	1	4	0	50	1	5.42			
C5081	YPF000	14	2	19	17	0.0	2.08	1	7	0	30	3	5.94			
C5081	YPG000	2	0	6	6	0.0	0.78	0	1	10	30	0	5.46			
C5081	YPH000	5	0	1	5	0.0	0.37	1	0	0	20	1	5.48			
C5081	YPO001	4	0	88	0	0.0	0.38	2	5	0	20	1	5.53			
C5081	YPO002	2	0	14	1	0.0	0.23	0	0	0	30	0	5.21			
C5081	YPO003	3	0	8	2	0.0	0.27	1	1	26	50	0	4.88			
C5081	YPO004	12	0	85	5	0.0	2.88	0	4	4	30	1	5.59			
C5081	00HEL4	13	5900	156	11	1.6	6.30	3		8	7800					
C5081	00HEL5															
C5081	002992															
C5081	002993															
C5081	002994	12	51	79	42	0.8	3.94	6		120	320					
C5081	002995	31	1	60	36	0.0	3.08	2		4	480					
C5081	002996															
C5081	002997	11	29	61	19	0.1	2.49	3		4	490					
C5081	002998	83	460	910	66	8.6	3.21	4		2140	1130					
C5081	002999	35	6	77	49	0.1	5.30	2		26	50					
C5081	003000	8	3300	530	15	6.2	2.04	3		16900	8800					
C5081	004437	23	180	143	6	0.0	2.18	0	4	0	70	2	4.95			
C5081	004438	18	20	760	16	0.5	4.00	0	21	0	70	2	4.87			
C5081	004439	17	2	220	6	0.0	3.30	1	35	0	40	0	4.64			
C5081	004440	13	25	44	4	0.0	0.80	1	4	4	40	2	4.98			
C5081	006370	35	4	66	54	0.0	5.20	0	93	1034	200	8	6.96			
C5081	006371	39	0	92	38	0.0	3.40	0	4	6	80	3	7.57			
C5081	006372	29	3	175	31	0.0	2.70	0	10	306	120	5	7.30			
C5081	006373	35	8	57	28	0.0	4.80	0	21	14	100	5	7.89			
C5081	006374	21	15	58	29	0.0	3.23	2	9	2	160	0	8.10			
C5081	006375	23	10	55	32	0.0	4.40	0	0	0	70	0	8.10			
C5081	006376	22	94	44	34	0.0	3.76	0	26	194	100	9	8.30			
C5081	006377	23	25	58	33	0.2	6.00	11		3920	480	2	8.27			

YANKS PEAK PROJECT

ANALYTICAL COSTS

SOIL AND STREAM SEDIMENTS

Sample Bag	.07
Sample Preparation	.50
Acid Digestion	.80
Analysis for Cu, Pb, Zn, Ni, Cd, Mo, Fe	2.40
Analysis for As	2.80
Analysis for Au, Ag	5.00
Analysis for W	4.00
pH Determination	<u>.80</u>
Cost per Sample	\$16.37

ROCK SAMPLE

Plastic Sample Bag	.12
Rock Sample Preparation	2.50
Acid Digestion	.80
Analysis for Cu, Pb, Zn, Ni, Cd, Mo, Fe	2.40
Analysis for As	2.80
Analysis for Au, Ag	5.00
Analysis for W	<u>4.00</u>
Cost per Sample	\$17.62

YANKS PEAK PROJECT

CLAIM LISTING

CARIBOO LAKE AREA

Cariboo Mining Division

RECORD #	CLAIM NAME	LOT #	UNITS	ANNIVERSARY DATE	IN GOOD STANDING UNTIL	HECTARES
282	Old Timer	11337	1	Nov. 17/76	1984 (1986)	12.76
283	Jane	11338	1	Nov. 17/76	1984 (1989)	19.45
510	Junior	11341	1	Oct. 19/77	1984	20.83
511	Little Robert	11340	1	Oct. 19/77	1984 (1990)	16.69
512	Indian Broom	11333	1	Oct. 19/77	1984	18.07
513	Bella Coola	11342	1	Oct. 19/77	1984 (1990)	13.16
513	Frill	4676	—	—	—	—
	Fraction					
513	Tri Fraction	11346	—	—	—	—
513	Junior	11343	—	—	—	—
	Extension					
565	Yanks Peak #2	10663	1	Feb. 1/78	1983	20.29
568	Bertha	11332	1	Feb. 6/78	1983 (1987)	11.38
574	Yanks Peak	10662	1	Feb. 6/78	1983	20.50
580	East Yanks Peak No. 2	10668	1	Feb. 8/78	1983 (1988)	20.90
602	Betty	11335	1	Feb. 20/78	1985 (1991)	23.63
602	Betty	11334	—	—	—	—
	Fraction					
603	Janes Extension No. 1	11331	1	Feb. 20/78	1985	17.86
654	Janes Extension No. 2	11345	1	April 12/78	1985	51.65
655	Junior	11336	1	April 12/78	1984 (1988)	4.69
	Fraction					
656	Old Faithful	11339	1	April 12/78	1984 (1985)	18.73
1612	Cone	—	18	April 30/80	1983 (1985)	450.00
1611	Rose	—	10	April 30/80	1983 (1985)	250.00
2003	Astride	—	4	Sept. 22/80	1983	100.00
3179	YPE Fraction	10667	1	Feb. 18/81	1982 (1986)	5.97
3180	YP Fraction	10665	1	Feb. 18/81	1982 (1985)	1.34
3181	Yanks Peak #3	10664	1	Feb. 18/81	1982 (1992)	20.90
3182	East Yanks Peak	10666	1	Feb. 18/81	1982 (1989)	20.90
4049	Placer Lease	—	2	Dec. 9/80	1982	41.80
					TOTAL	1,181.50

C. DRILLING (Details in report submitted as per section 8 of regulations.)
 (The itemized cost statement must be part of the report.)

D. GEOLOGICAL, GEOPHYSICAL, GEOCHEMICAL
 (Details in report submitted as per section 5, 6, or 7 of regulations.)
 (The itemized cost statement must be part of the report.)
 (State type of work in space below.)

		COST
<i>Geochemical Program</i>		1546.77
<i>Geological Program</i>		447.42
TOTAL OF C AND D		1994.19

Who paid for the above-described work? Name: *Lincor Inc.*
 Address: *507 - 4th Avenue SW
 Calgary, Alberta*

Portable Assessment Credits (PAC) Withdrawal Request

Amount to be withdrawn from owner(s) account(s):

Name of Owner		AMOUNT
(May be no more than 30 per cent of value of the approved work submitted as assessment work in C and (or) D.)	1. <i>Lincor Inc.</i>	598.25
	2. _____	
	3. _____	
	4. _____	
TOTAL WITHDRAWAL		598.25
TOTAL OF C AND (OR) D PLUS PAC WITHDRAWAL		2592.44

I wish to apply \$ *1201.00* of this work to the claims listed below.

(State number of years to be applied to each claim and its month of record.)

Record No. *511(10)* - *WYAND* - *Little Robert*
 " " *513(10)* - *8* - *Leinhardt, Bill Jr.*
2nd Jr. + Junior Extension
 plus excess of *270.00* to *511(10)*
 " " " *1100* + *513(10)*

Value of work to be credited to portable assessment credit (PAC) account(s).

(May only be credited from the approved value of C and (or) D not applied to claims.)

Name		AMOUNT
In owner(s) name.	1. <i>Lincor Inc.</i>	92.44
	2. _____	
	3. _____	
In operator(s) name (person paying for the work).	1. _____	
	2. _____	
	3. _____	

Paul J. Jenkins
 (Signature of Applicant)

C. DRILLING (Details in report submitted as per section 8 of regulations.)
(The itemized cost statement must be part of the report.)

		COST
D. GEOLOGICAL, GEOPHYSICAL, GEOCHEMICAL (Details in report submitted as per section 5, 6, or 7 of regulations.) (The itemized cost statement must be part of the report.) (State type of work in space below.)		
Geochemical Program		2 566.98
Geological Program		1 342.26
TOTAL OF C AND D		3 909.24

Who paid for the above-described work? Name SUNCOR INC.
Address 500 - 4th Ave. S.W.
Calgary, Alta. T2P 2V5

Portable Assessment Credits (PAC) Withdrawal Request		AMOUNT
Amount to be withdrawn from owner(s) account(s):		
Name of Owner SUNCOR INC.		1 172.75
(May be no more than 30 per cent of value of the approved work submitted as assessment work in C and (or) D.)	1. _____	
	2. _____	
	3. _____	
	4. _____	
TOTAL WITHDRAWAL		1 172.75
TOTAL OF C AND (OR) D PLUS PAC WITHDRAWAL		5 081.99

I wish to apply \$ 4,800 of this work to the claims listed below.

(State number of years to be applied to each claim and its month of record.)

282 (11) Old Timer	2 yrs.	plus \$100.00 excess work	\$ 400
283 (11) Jane	5 yrs.	plus \$100.00 excess work	\$ 1000
580 (2) East Yanks Peak #2	5 yrs.		\$ 1000
602 (2) Betty & Betty Fraction	6 yrs.		\$ 1200
655 (4) Junior Fraction	4 yrs.		\$ 800
656 (4) Old Faithful	1 yr.		\$ 200

Value of work to be credited to portable assessment credit (PAC) account(s).

(May only be credited from the approved value of C and (or) D not applied to claims.)

		AMOUNT
In owner(s) name:	1. <u>SUNCOR INC.</u>	281.99
	2. _____	
	3. _____	
In operator(s) name (person paying for the work):	1. _____	
	2. _____	
	3. _____	


(Signature of Applicant)

Paul A. Hawkins
Project Geologist

C. DRILLING (Details in report submitted as per section 8 of regulations.)
(The itemized cost statement must be part of the report.)

D. GEOLOGICAL, GEOPHYSICAL, GEOCHEMICAL
(Details in report submitted as per section 5, 6, or 7 of regulations.)
(The itemized cost statement must be part of the report.)
(State type of work in space below.)

	COST
Geochemistry Program	5,430.15
Geological Program	7,158.72
TOTAL OF C AND D	12,588.87

Who paid for the above-described work? Name SUNCOR INC.
Address 500 - 4TH Ave. S.W.
Calgary, Alta., T2P 2V5

Portable Assessment Credits (PAC) Withdrawal Request		AMOUNT
Amount to be withdrawn from owner(s) account(s):		
Name of Owner		
(May be no more than 30 per cent of value of the approved work submitted as assessment work in C and (or) D.)	1. <u>SUNCOR INC.</u>	2,432.18
	2. _____	
	3. _____	
	4. _____	
TOTAL WITHDRAWAL		2,432.18
TOTAL OF C AND (OR) D PLUS PAC WITHDRAWAL		15,021.05

I wish to apply \$ 12,000. of this work to the claims listed below.

(State number of years to be applied to each claim and its month of record.)

1612 (4) Cone	1 yr.	plus \$1,400 excess work	<u>3600</u>
1614 (4) Rose	1 yr.	plus \$1,700 excess work	<u>2000</u>
2003 (9) Astride	All work to PAC		
3179 (2) YPE Fraction	2 yrs		<u>200</u>
3180 (2) YP Fraction	3 yrs.		<u>800</u>
3181 (2) Yanks Peak #3	10 yrs.		<u>1700</u>
3182 (2) East Yanks Peak	7 yrs.		<u>1100</u>
			<u>8700</u>

Value of work to be credited to portable assessment credit (PAC) account(s).

(May only be credited from the approved value of C and (or) D not applied to claims.)

	Name	AMOUNT
In owner(s) name:	1. <u>SUNCOR INC.</u>	3,021.05
	2. _____	
	3. _____	
In operator(s) name (person paying for the work):	1. _____	
	2. _____	
	3. _____	

Paul A. Hawkins
(Signature of applicant)

Paul A. Hawkins
Project Geologist

April 15, 1982



Province of British Columbia
Ministry of Energy, Mines and Petroleum Resources
MINERAL RESOURCES BRANCH-TITLES DIVISION

Sub Receiver
RECEIVED
APR 16 1982
M.R. # _____
VICTORIA

MINERAL ACT

FORM 1

NOTICE TO GROUP

Mining Division CARIBOO Location YANKS PEAK
Name of group LITTLE SNOWSHOE Map No. 93A/14W
We, the undersigned owners* of the following adjoining claims, desire to group them according to the provisions of the Mineral Act:-

NAME OF CLAIM	No. of Units	Record No.	Month of Record	SIGNATURE OF OWNER*	Free Miner Certificate No.
OLD TIMER	1	282	11	SUNCOR INC. per: <i>Paul A. H. [Signature]</i>	244770
JANE	1	283	11		"
JUNIOR	1	510	10	"	"
LITTLE ROBERT	1	511	10	"	"
INDIAN BROOM	1	512	10	"	"
BELLA COOLA	1	513	10	"	"
FRILL FRACTION		513	10	"	"
TRI FRACTION		513	10	"	"
JUNIOR EXTENSION	1	513	10	"	"
BERTHA		568	2	"	"
BETTY	1	602	2	"	"
BETTY FRACTION		602	2	"	"
JANES EXTENSION NO. 1	1	603	2	"	"
JANES EXTENSION NO. 2	1	654	4	"	"
JUNIOR FRACTION	1	655	4	"	"
OLD FAITHFUL	1	656	4	"	"
CONE	18	1612	4	"	"
ROSE	10	1611	4	"	"
ASTRIDE	4	2003	9	"	"

* May be signed by agent on behalf of owner.

C. DRILLING (Details in report submitted as per section 8 of regulations.)
(The itemized cost statement must be part of the report.)

COST	
------	--

D. GEOLOGICAL, GEOPHYSICAL, GEOCHEMICAL
(Details in report submitted as per section 5, 6, or 7 of regulations.)
(The itemized cost statement must be part of the report.)
(State type of work in space below.)

Laboratory and Office Work	4619.13
(See Schedule "A" attached)	
TOTAL OF C AND D	4619.13

Who was the operator (provided the financing)?

Name Suncor Inc.
Address P.O. Box 38
Calgary, Alberta T2P 2V5

Portable Assessment Credits (PAC) Withdrawal Request

Amount to be withdrawn from owner(s) account(s):

Name of Owner		AMOUNT
(May be no more than 30 per cent of value of the approved work submitted as assessment work in C and (or) D.)	1. Suncor, Inc.	1380.87
	2. P/C #7622	
	3.	
	4.	
	\$6000	TOTAL WITHDRAWAL
	TOTAL OF C AND (OR) D PLUS PAC WITHDRAWAL	6000.00

I wish to apply \$ 6000.00 of this work to the claims listed below.

(State number of years to be applied to each claim, its month of record, and identify each claim by name and record no.)

510	(10)	Junior 1 Unit	2 years	\$400
512	(10)	Indian Broom 1 Unit	2 years	400
603	(02)	Janes Extension #1 1 Unit	1 year	200
654	(04)	Janes Extension #2 1 Unit	1 year	200
1611	(04)	Rose	10 Units 1 year	2000
2003	(09)	Astride	4 Units 4 year	2800

Value of work to be credited to portable assessment credit (PAC) account(s).

(May only be credited from the approved value of C and (or) D not applied to claims.)

Name		AMOUNT
In owner(s) name.	1.	
	2.	
	3.	
In operator(s) name (party providing the financing).	1.	
	2.	
	3.	

Paul A. H. Jones
(Signature of Applicant)

(Schedule A)
Little Snowshoe Group
YANKS PEAK PROPERTY
Laboratory and Office Work
Supplementary Property Expenditures
Spring 1982

Laboratory Analysis Cost

Claim Record

	#		
	282	101.97	
	283	346.27	
	511	311.03	
	513	458.36	
	653	294.66	
	602	65.48	
	2003	<u>906.60</u>	
		2484.37	2484.37

Office Expenditures

Data Processing of Lab data	\$180.00	
Plotting and drafting	900.00	
Report Revision (4 day @ 158.71)	<u>634.84</u>	
	1714.84	<u>1714.84</u>
	Sub Total	4199.21
	+ 10% Operating Overhead	419.92
	TOTAL	4619.13

C. DRILLING

(Details in report submitted as per section 8 of regulations.)
(The itemized cost statement must be part of the report.)

COST

D. GEOLOGICAL, GEOPHYSICAL, GEOCHEMICAL

(Details in report submitted as per section 5, 6, or 7 of regulations.)
(The itemized cost statement must be part of the report.)
(State type of work in space below.)

Laboratory and Office Work (Schedule A attached)	1348.48
TOTAL OF C AND D	1348.48

Who was the operator (provided the financing)?

Name SUNCOR INC.
Address 500 - 4th Ave. S.W.
CALGARY, ALBERTA

Portable Assessment Credits (PAC) Withdrawal Request

Amount to be withdrawn from owner(s) account(s):

Name of Owner	AMOUNT
1. Suncor Inc. A/C #7622	51.52
2.	
3.	
4.	
TOTAL WITHDRAWAL	51.52
TOTAL OF C AND (OR) D PLUS PAC WITHDRAWAL	1400.00

(May be no more than 30 per cent of value of the approved work submitted as assessment work in C and (or) D.)

I wish to apply \$ 1400.00 of this work to the claims listed below.

(State number of years to be applied to each claim, its month of record, and identify each claim by name and record no.)

565 (02) Yanks Peak #2	1 unit	3 years	\$600.00
574 (02) Yanks Peak	1 unit	3 years	600.00
3180 (02) Y.P. Fraction	1 unit	1 year	200.00
			1400.00

Value of work to be credited to portable assessment credit (PAC) account(s).

(May only be credited from the approved value of C and (or) D not applied to claims.)

Name	AMOUNT
In owner(s) name:	
1.	
2.	
3.	
In operator(s) name (party providing the financing):	
1.	
2.	
3.	

Paul A. H. ...
(Signature of Applicant)

FRENCH SNOWSHOE GROUP

(Schedule A)

YANKS PEAK PROPERTY

Laboratory and Office Work

Supplementary Property Expenditures

Spring 1982

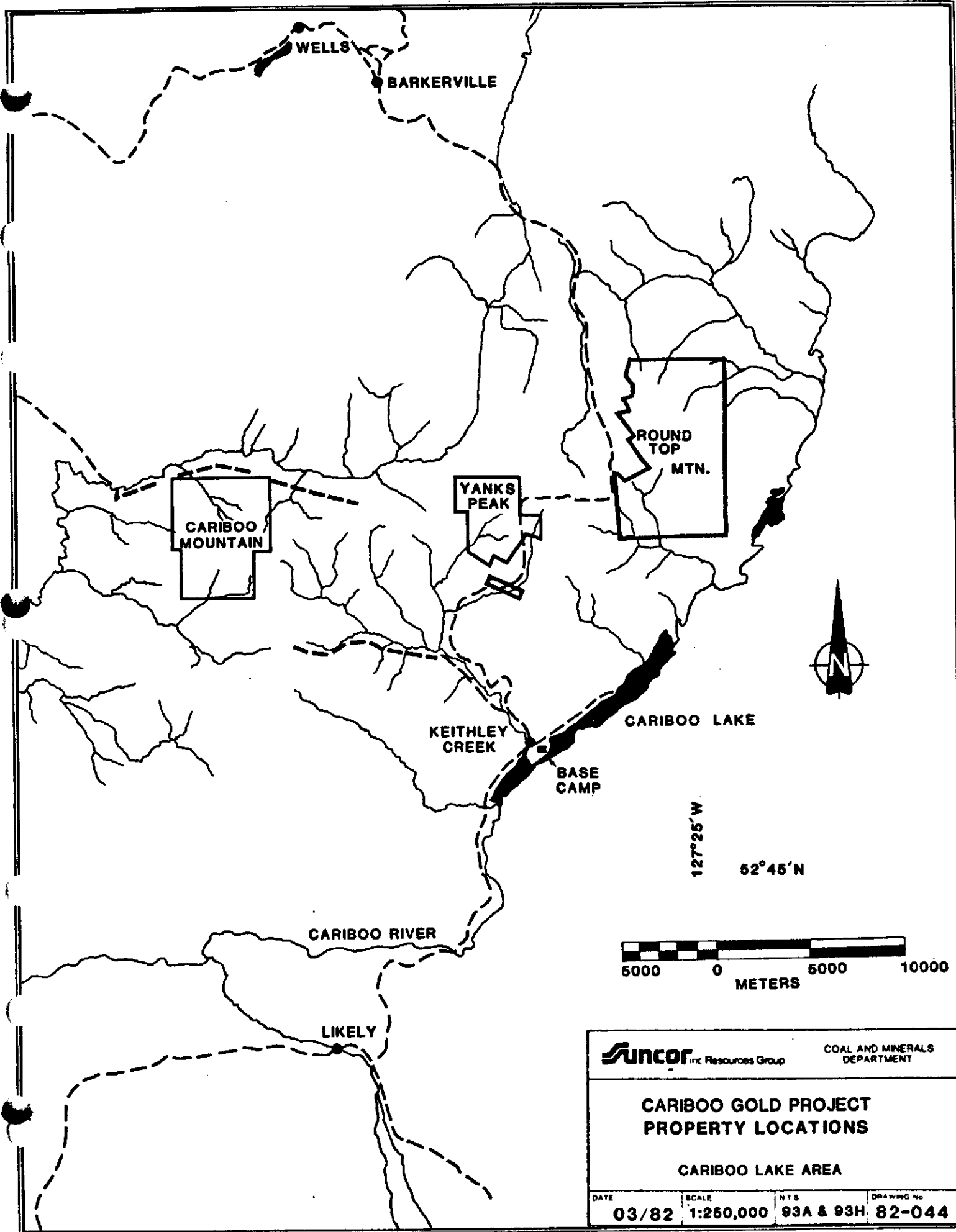
Laboratory Analysis Cost

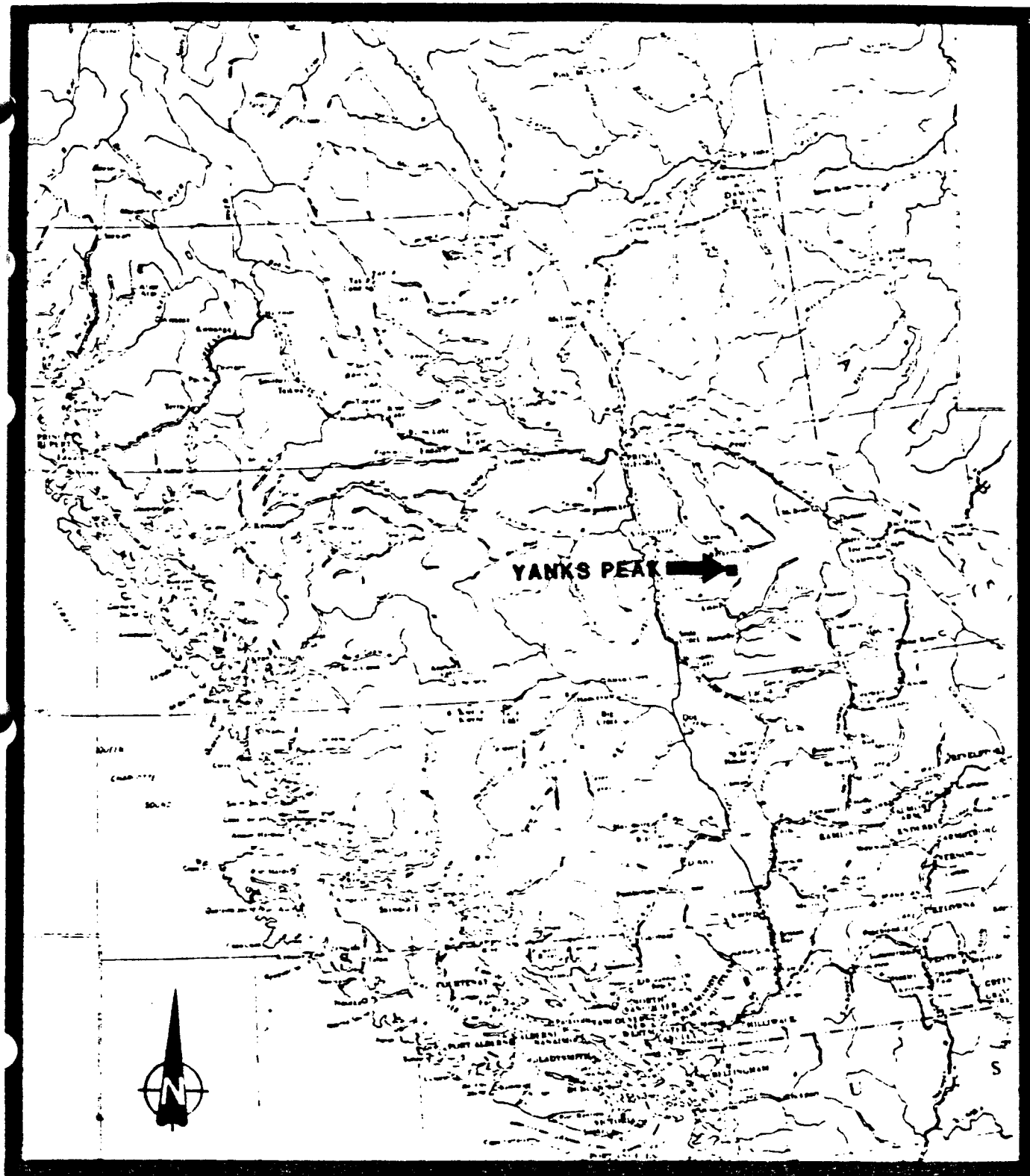
Claim Record

#			
580	196.44		
3180	16.37		
3181	334.90		
3182	<u>99.47</u>		
	647.18		647.18

Office Expenditures

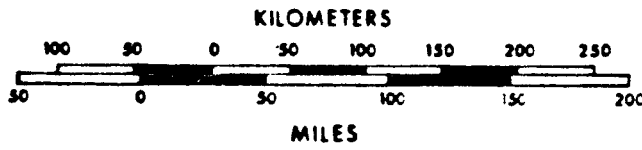
Data Processing of Lab data	\$120.00		
Plotting and drafting	300.00		
Report Revision (1day @ 158.71	<u>158.71</u>		
	578.71		578.71
Sub Total			1225.89
+ 10% Operating Overhead			<u>122.59</u>
			1348.48
		TOTAL	1348.48





130° 128° 126° 124° 122° 120°

56°
55°
54°
53°



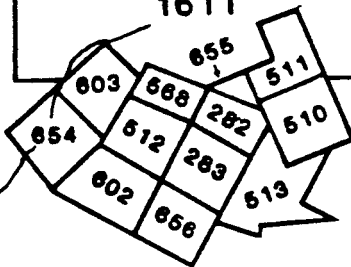
Lincor Inc. Resource Group		COAL AND MINERALS DEPARTMENT	
YANKS PEAK PROSPECT INDEX MAP			
DATE	SCALE	RTS	DRAWING NO.
SEPT. 1981	1:5,000,000	92	81-087 F

ASTER CREEK

CONE
1612

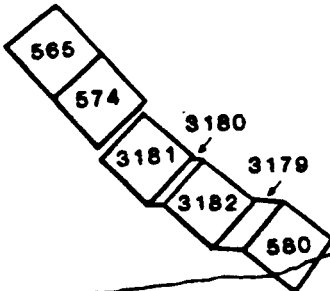
ROSE
1611

ASTRIDE
2003



SNOWSHOE
CREEK

LITTLE
SNOWSHOE



-52°51'

FRENCH
SNOWSHOE



500 0 500 1500 2000

WEAVER
CREEK

-121°25'

FOUR MILE CREEK

Suncor Inc. Resource Group

COAL AND MINERALS
DEPARTMENT

**YANKS PEAK
CLAIM MAP
CARIBOO LAKE AREA**

DATE 09/81	SCALE 1:50,000	NTS 93A14	DRAWING NO. 81-057 D
---------------	-------------------	--------------	-------------------------