ASSESSMENT REPORT

ON A

ROCK

AND

SOIL SAMPLING PROGRAM

ON THE

ASPEN PROPERTY

ASP 1-2 AND 4-6 MINERAL CLAIMS

SALMO AREA

NELSON MINING DIVISION, B.C.

NTS:	082F/03E
LATITUDE:	49°11'08"N
LONGITUDE:	117°11'15"W
OWNER:	W.R. Gilmour
OPERATOR:	Discovery Consultants
AUTHORS:	T.H. Carpenter, P.Geo
DATE:	December 20, 1999

TABLE OF CONTENTS

LIST OF ILLUSTRATIONS

APPENDICES

SUMMARY

The Aspen is a probable manto-type silver, gold, lead and zinc deposit hosted by limestone of the Lower Cambrian Laib Formation. The deposit is located on the eastern side of upper Aspen Creek, 65 kilometres east of Salmo and 40 kilometres south of Nelson in the Nelson Mining Division.

Exploration work has been carried out on the property since 1912 and has defined three distinct ore-bearing breccia horizons, which have been strongly affected by folding, faulting and by the emplacement of the Middle to Late Jurassic Nelson Intrusions.

In 1993, programs of silt and soil sampling were carried out on the property. This work was supplemented by additional soil sampling in 1999.

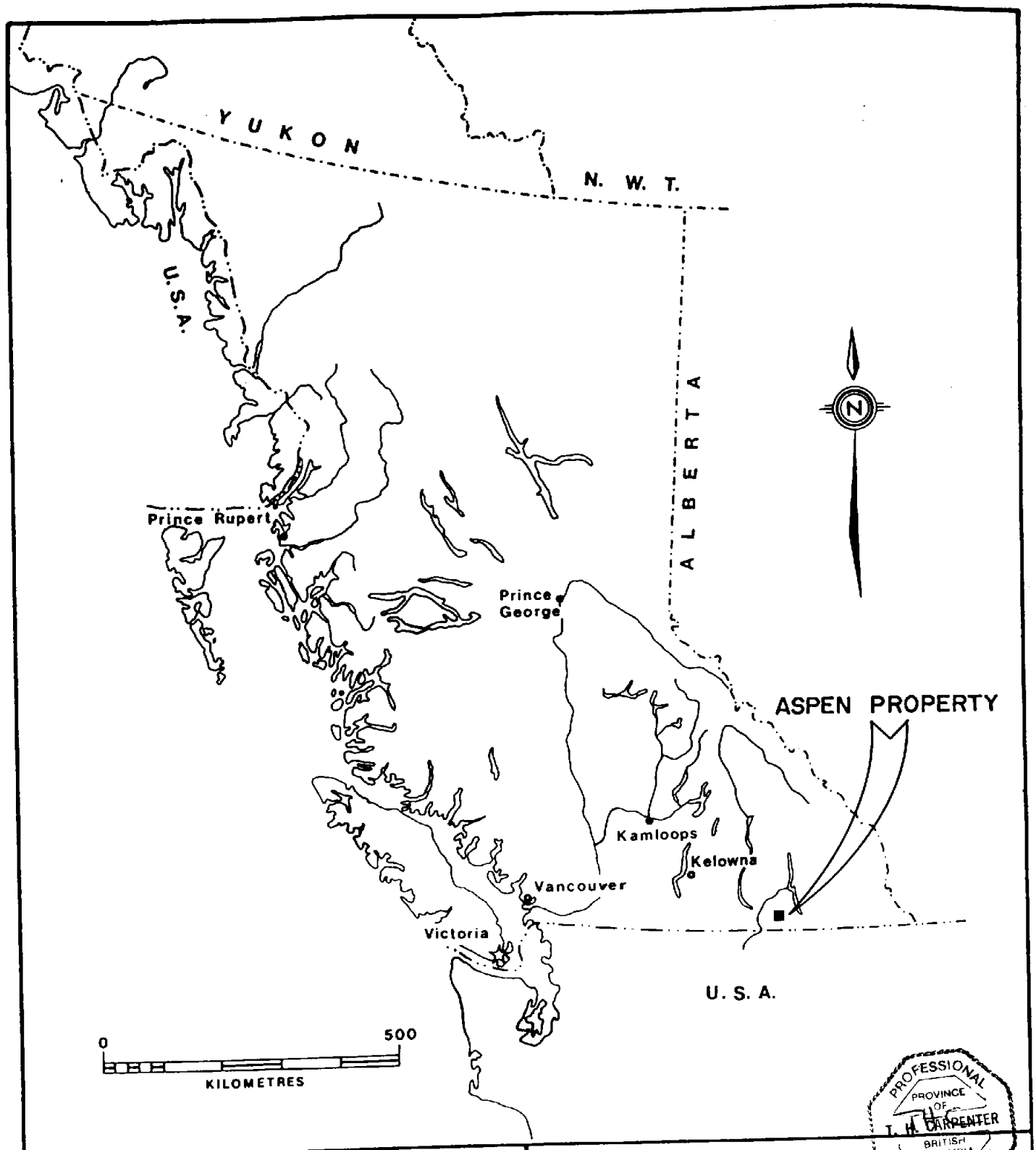
LOCATION AND ACCESS

The Aspen property is centred at latitude 49°11'08"N and longitude 117°11'15" W. The property is located 6.5 km east by east-southeast of Salmo and 4.8 km N of the junction of Aspen and Sheep Creeks (Figure 1).

Access to the property can be gained via a four-wheel drive road up Aspen Creek from the Sheep Creek road off Highway 3/6.

TOPOGRAPHY

The Aspen claims are principally located on the eastern side of Aspen Creek. Elevations range from 4500 feet (1372 metres) to 5000 feet (1524 metres). Slopes are moderate.



PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
J. H. CARPENTER
GEOSCIENTIST

DISCOVERY Consultants	PREDATOR SYNDICATE
ASPEN PROPERTY	LOCATION MAP

DATE: MAR. 5/1994	PROJECT: 645	SCALE: As Shown	N.T.S.: 82F/3E	M.D.: NELSON	FIGURE: 1

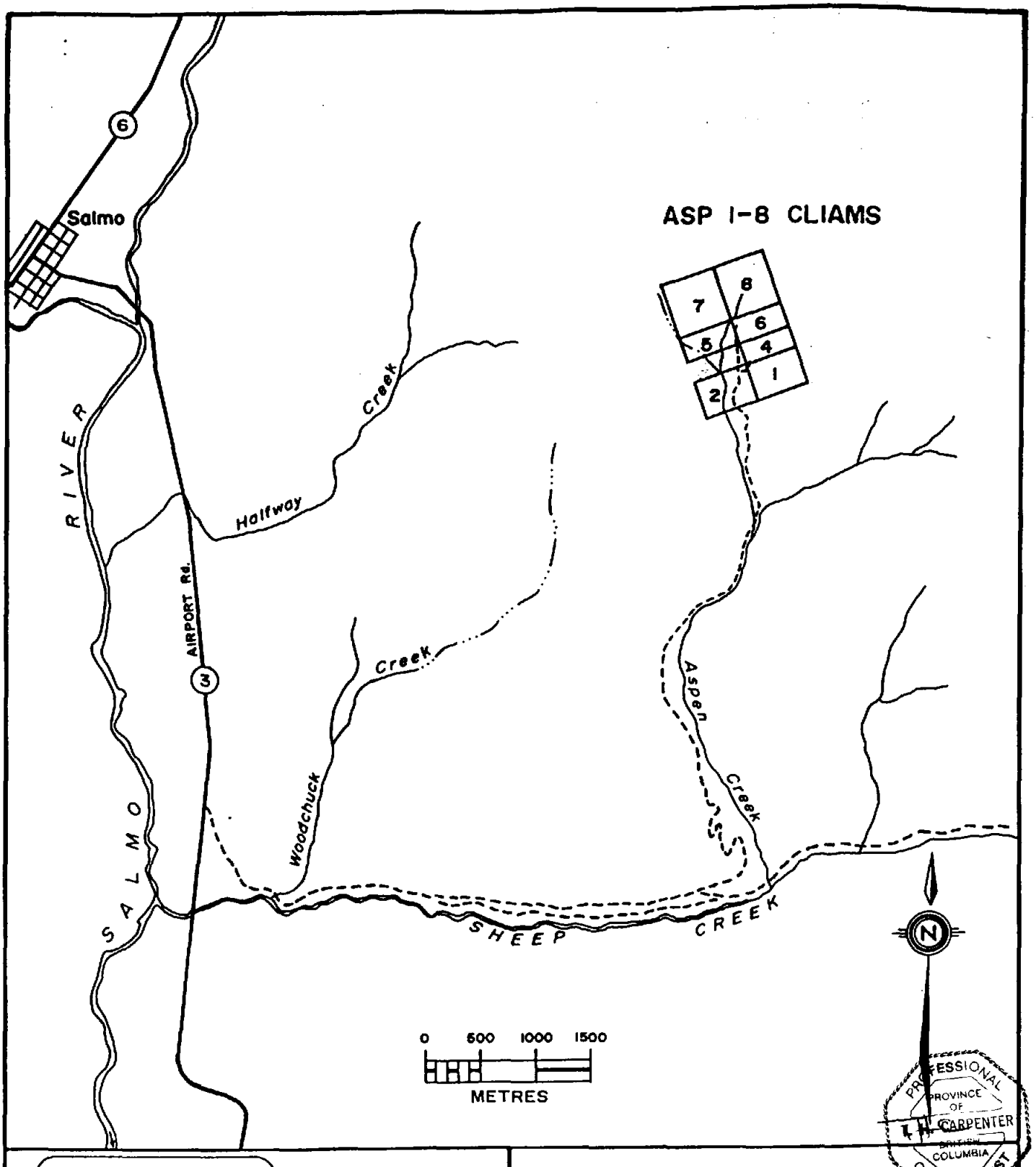
PROPERTY

The Aspen property comprises seven two-post claims, designated Asp 1 to 8, located by Richard G. Mitchell and John G. Beggs on October 18, 1993. Portions of the Asp 1, 2 and 4 claims are overstaked by claims owned by another party.

Claim Name	Record #	Owner of Record	Anniversary Date *
Asp 1	321805	W.R. Gilmour	October 18, 2002
Asp 2	321806	W.R. Gilmour	October 18, 2002
Asp 4	321808	W.R. Gilmour	October 18, 2002
Asp 5	321809	W.R. Gilmour	October 18, 2002
Asp 6	321810	W.R. Gilmour	October 18, 2002
Asp 7	321811	W.R. Gilmour	October 18, 2002
Asp 8	321812	W.R. Gilmour	October 18, 2002

The claims are held in trust for the Predator Syndicate.

* Pending acceptance of this report.



DISCOVERY Consultants

PREDATOR SYNDICATE

ASPEN PROPERTY

CLAIM LOCATION MAP

DATE: MAR. 5/1994	PROJECT: 645	SCALE: 1:50,000	N.T.S.: 82F/3E	M.D.: NELSON	FIGURE: 2

HISTORY

The Aspen deposit was discovered by prospectors in 1896. From 1912 to 1928 considerable development work was done on the property by private interests, including trenching, drifting, cross-cutting and diamond drilling.

Between 1928 and 1937 work was continued by Salmo-Malartic Mines Ltd.

Recorded production for three years during this period totalled 28 tonnes grading 31 grams of gold, 36,359 grams of silver, 431 kilograms of lead and 365 kilograms of zinc.

Reserves published in 1937 indicated 29,030 tonnes averaging about $9 per tonne combined silver and gold (1937 prices) and 90,720 tonnes of low-grade zinc.

In 1951 Sheep Creek Gold Mines Limited conducted 3019 feet (920 metres) of diamond drilling which outlined a considerable tonnage of marginal material.

Extotal Resources Inc. carried out a further 1545 metres of diamond drilling in 1980.

In 1984 Greenwich Resources completed a program of rock, soil and silt sampling combined with a ground electromagnetic survey.

Discovery Consultants carried out a limited soil and silt-sampling program on the property in 1993.

GENERAL GEOLOGY

The Aspen occurrence has been described as a manto-type deposit hosted by limestone of the Lower Cambrian Formation (Reeves Member) correlative with the Lower Cambrian Badshot Formation. The deposits have been strongly affected by folding, faulting, and by the emplacement of the Middle to Late Jurassic Nelson Intrusions. Three distinct stratabound, dolomitic ore-bearing breccia horizons have been recognized.

These are:

1. Upper Zinc dolomitic breccia. Sphalerite, pyrite and pyrrhotite are hosted in a calcite-dolomite-olivine-serpentine-talc gangue.

2. Middle Silver dolomitic breccia. Pyrite, sphalerite, galena and tetrahedrite occur in a diopside-quartz-calcite-wollastonite-serpentine-humite gangue. The unit is 1 to 8 metres thick and is traced about 1100 metres on the surface. Tetrahedrite occurs as small, irregular aggregates easily mistaken for carbonaceous material in an otherwise unmineralized silicified dolomite. The Middle Silver Zone may locally contain up to 15% zinc, 14 grams per tonne gold and 1371 grams per tonne silver.

3. Lower Lead-Zinc-Silver dolomitic breccia. Sphalerite, galena and tetrahedrite occur in a calcite-dolomite-olivine-wollastonite gangue. Assay values range from 2.3 to 6% zinc, 2 to 25% lead, and 291 to 2057 grams per tonne silver.

The zones have a general north-northwest trend and dips about 40 to 50 degrees northeast.

WORK COMPLETED

Work carried out on the property in 1999 comprised rock sampling and soil sampling. The individual surveys are discussed below.

1. Rock Sampling

a). Program Parameters

A total of 4 rock samples was collected from various locations on the Asp claims. Samples were shipped to Chemex Labs Ltd. in North Vancouver, B.C. At Chemex, analyses were carried out for gold and 32 element ICP. Sample locations and gold, lead and zinc values are shown on Figures 4, 5 and 6. Rock descriptions and complete analytical results are contained in Appendix 1.

b). Program Results

Of the four samples collected, only one contained significant metal values. Sample 645-Rk002, a chip sample of unaltered and oxide material collected from an old adit on the Asp 4 claim contained 12.5 % zinc over 2.5 metres.

2. Soil Sampling

a). Program Parameters

Forty-nine soil samples were collected on the Asp 4 to 8 claims. The samples were taken along four lines to cover the area of previously defined mineralization and adjacent to known mineralization to test for parallel zones.

Twenty-three soil samples were collected on the Asp 7 claim at 10 and 15 metre intervals along lines laid out along strike, southeast and northwest of the 1993 Asp-23 soil sample, which contained 968 ppb gold.

Twenty-six soil samples were collected at 50 metre intervals on two north-northeasterly trending lines on the Asp 4, 6 and 8 claims. The lines were placed 100 metres apart and were set at approximate right angles to stratigraphy to test for mineralization stratigraphically parallel to known mineralized zones.

The samples were collected by shovel from the "B" horizon, placed in 9cm x 25cm kraft sample bags and sent to Chemex Labs Ltd. in North Vancouver, B.C. At Chemex the samples were dried and sieved and analyses carried out for gold and 32 element ICP.

Sample locations with gold, lead and zinc values are shown on Figures 4, 5 and 6. Complete analytical results are contained in Appendix 2.

b). Program Results

No significant gold values were detected in the soil samples collected. A maximum value of 19ppb Au was obtained.

Lead values were in general low, with a maximum value of 78 ppm in sample 645-S024. This sample is located near a known mineralized zone on the Asp 4 claim.

Zinc values in the 1999 sampling range up to 1560 ppm in sample 645-S042 on the Asp 8 claim at the contact between limestone to the south and diorite to the north. Zinc values are higher within the limestone unit.

CONCLUSIONS

The source of anomalous gold values in silt samples SS 1 and SS 4, collected in 1993 in separate drainages at the headwaters of Aspen Creek has not been determined. Detailed soil sampling in the vicinity of a 1993 soil sample containing 968 ppb gold has not defined additional mineralization.

The soil sampling has defined higher zinc values in areas underlain by limestone. A value of 1560ppm zinc may represent remobilized mineralization at the limestone/intrusive contact but also may represent mineralization within the limestones.

Rock sampling has defined high-grade zinc mineralization containing 12.9 % zinc as oxide material collected over 2.5 metres in old workings on the property. This mineralization exhibits the potential of the property to host significant zinc oxide material. This material represents an easily mined, easily upgradeable resource which, based on recent advances in metallurgy, may be a viable exploration target in the area.

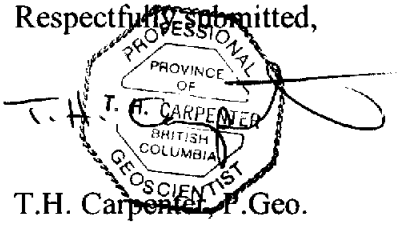
RECOMMENDATIONS

Further exploration on the property should be aimed toward the definition of possible zinc oxide mineralization on the property as this material can be more easily and profitably mined than primary zinc sulphides.

Exploration to define the source of an anomalous zinc value at the contact between diorite and limestone is recommended.

A VLF-EM survey should be carried out over and along strike from a mineralized zone exposed in an adit at the northwest corner of the Asp 4 claim to test for an extension of mineralization to the northwest. Detailed sampling should be carried out over any conductors defined and trenching carried out over anomalous areas.

Respectfully submitted,



T.H. Carpenter, P.Geo.

Vernon, B.C.
December 20,1999

REFERENCES

British Columbia Ministry of Energy, Mines and Petroleum Resources (MEMPR) Annual Report.

1896 pg. 73
1912 pg. 155
1913 pg. 131
1914 pg. 329
1915 pg. 162
1917 pg. 170, 195
1918 pg. 173, 198
1920 pg. 133
1926 pg. 278
1927 pg. 308
1928 pg. 348
1933 pg. 232
1934 pg. E22
1935 pg. A31, G50
1936 pg. E42
1937 pg. E53

BCMEMPR Geology, Exploration and Mining in B.C.

1980 pg. 55
1984 pg. 36

Fyles, J.T. and Hewlett, C.G. - Stratigraphy and structure of the Salmo Lead-Zinc Area. British Columbia Department of Mines, Bulletin No. 41, 1959

Geological Survey of Canada, Memoir 172, pg. 65

Geological Survey of Canada, Memoir 308, pg. 134

STATEMENT OF COSTS

Aspen Property – Project 645

1	Professional Services			
	T. Carpenter (P.Geo.)			
	Planning, Data Interpretation, & Reporting			
	2 days @$350/day	$ 700.00		
		----------		$ 700.00
2	Field Personnel			
	R.Mitchell (Soil sampling Sept. 13 - 15)			
	2.5 days @$283.20/day	708.00		
	Office Personnel			
	Drafting	214.68		
	Secretarial	46.46		
	Data Compilation	53.10		
		----------		1,022.24
3	Expenses			
	Analysis			
	(Au + 32 elem. ICP analyses)			
	4 rock samples @$18.28/sample	$ 73.12		
	49 soil samples @15.92/sample	827.84		
		----------	$ 900.96	
	Field Supplies		40.74	
	Equipment Rental		26.00	
	Lodging & Meals		127.78	
	Freight		30.00	
	Communications, Report & map printing		110.00	
			----------	1,235.48

		Exploration Costs :		$2,957.72
5	Transportation			
	a) 4x4 Truck	2.0 days @$40/day	$ 80.00	
		670km @30¢/km	201.00	
	gas		69.32	

			$ 350.32	
	b)	@20% of Exploration Costs of $2,957.72	$ 591.54	
		a or b whichever is less	----------	350.32

		Total Exploration Costs :		$3,308.04
				=======

STATEMENT OF QUALIFICATIONS

I, THOMAS H. CARPENTER of 3902 14th Street, Vernon, B.C., V1T 3V2, DO HEREBY CERTIFY that:

1. I am a consulting geologist in mineral exploration with Discovery Consultants, Vernon, B.C.

2. I am a 1971 graduate of the Memorial University of Newfoundland with a Bachelor of Science degree in geology.

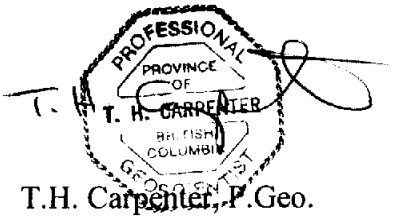
3. I have been practicing my profession since graduation.

4. I am a Professional Geoscientist with the Association of Professional Engineers and Geoscientists of British Columbia.

5. I am a Fellow of the Geological Association of Canada.

6. This report is based upon knowledge of the Aspen property gained from supervision.

7. I hold no interest either directly or indirectly in the Aspen property.



T.H. Carpenter, P.Geo.

Vernon, B.C.
December 20, 1999

APPENDIX 1

Aspen Property - Project 645

ROCK DESCRIPTIONS

335N 6452E	Granite. Cream to brownish in weathered surface. Well developed quartz phenos to 5mm.
1N 170E	Diorite. Feldspar phenos. (plagioclase) to 4mm in a medium grained salt and pepper matrix.
645-RK-01	Granular (to 0.5mm) light grey to beige rock. Quite porous. Possible aplite(?) cutting limestone. 028/080°W dip 85m above 645-S06
645-RK-02	Gossan from adit. 17 m N. & 65 m E. of Asp 5 & 6 initial post. Comprising limestone and marble. Boudins(?) with primary sphalerite and pyrite and secondary oxide. Strike and dip 330°/-70°E. Rusty vein material (1.0m). Siliceous limestone in hanging wall. Magnetic material in hanging wall. Sample collected over 2.5m.

ANALYTICAL PROCEDURES

Geochemical Analysis

by Chemex Labs Ltd.

ELEMENT		LOWER DETECTION LIMIT	EXTRACTION	METHOD
Au	Gold	5 ppb	fire assay	A.A.
Al*	Aluminum	0.01%	Aqua-Regia digestion	Ind. Coupled Plasma
Sb	Antimony	2 ppm	Aqua-Regia digestion	Ind. Coupled Plasma
As	Arsenic	2 ppm	Aqua-Regia digestion	Ind. Coupled Plasma
Ba*	Barium	10 ppm	Aqua-Regia digestion	Ind. Coupled Plasma
Be*	Beryllium	0.5 ppm	Aqua-Regia digestion	Ind. Coupled Plasma
Bi	Bismuth	2 ppm	Aqua-Regia digestion	Ind. Coupled Plasma
Cd	Cadmium	0.5 ppm	Aqua-Regia digestion	Ind. Coupled Plasma
Ca*	Calcium	0.01%	Aqua-Regia digestion	Ind. Coupled Plasma
Cr*	Chromium	1 ppm	Aqua-Regia digestion	Ind. Coupled Plasma
Co	Cobalt	1 ppm	Aqua-Regia digestion	Ind. Coupled Plasma
Cu	Copper	1 ppm	Aqua-Regia digestion	Ind. Coupled Plasma
Ga*	Gallium	10 ppm	Aqua-Regia digestion	Ind. Coupled Plasma
Fe	Iron	0.01%	Aqua-Regia digestion	Ind. Coupled Plasma
La*	Lanthanum	10 ppm	Aqua-Regia digestion	Ind. Coupled Plasma
Pb	Lead	2 ppm	Aqua-Regia digestion	Ind. Coupled Plasma
Mg*	Magnesium	0.01%	Aqua-Regia digestion	Ind. Coupled Plasma
Mn	Maganese	5 ppm	Aqua-Regia digestion	Ind. Coupled Plasma
Hg	Mercury	1 ppm	Aqua-Regia digestion	Ind. Coupled Plasma
Mo	Molybdenum	1 ppm	Aqua-Regia digestion	Ind. Coupled Plasma
Ni	Nickel	1 ppm	Aqua-Regia digestion	Ind. Coupled Plasma
P	Phosphorus	10 ppm	Aqua-Regia digestion	Ind. Coupled Plasma
K*	Potassium	0.01%	Aqua-Regia digestion	Ind. Coupled Plasma
Sc*	Scandium	1 ppm	Aqua-Regia digestion	Ind. Coupled Plasma
Ag	Silver	0.2 ppm	Aqua-Regia digestion	Ind. Coupled Plasma
Na*	Sodium	0.01%	Aqua-Regia digestion	Ind. Coupled Plasma
Sr*	Strontium	1 ppm	Aqua-Regia digestion	Ind. Coupled Plasma
Tl*	Thallium	10 ppm	Aqua-Regia digestion	Ind. Coupled Plasma
Ti*	Titanium	0.01%	Aqua-Regia digestion	Ind. Coupled Plasma
W*	Tungsten	10 ppm	Aqua-Regia digestion	Ind. Coupled Plasma
U	Uranium	10 ppm	Aqua-Regia digestion	Ind. Coupled Plasma
V	Vanadium	1 ppm	Aqua-Regia digestion	Ind. Coupled Plasma
Zn	Zinc	2 ppm	Aqua-Regia digestion	Ind. Coupled Plasma

* Incomplete digeston.

Project 645

Aspen

file: 645\geodata\Rock_98.wk4

Rock Sample Analyses

Reference : a9929460, 29864(o/l), 29973

Sample ID	Lab report #	30g FA/AA Au ppb	ICP Ag ppm	ICP As ppm	ICP Sb ppm	ICP Cu ppm	ICP Pb ppm	ICP Zn ppm	FA Zn %	ICP W ppm	ICP Cd ppm	ICP Mo ppm	ICP Bi ppm	ICP Ni ppm	ICP Co ppm	ICP Cr ppm	ICP Fe %	ICP Mn ppm
RK-001	a9929973	5	<0.2	10	<2	16	6	8		<10	<0.5	1	<2	8	2	93	0.6	65
RK-002	a9929460	30	9.6	8	<2	19	122	>10000	12.9	<10	206.0	3	<2	27	6	5	10.25	315
RK-003	a9929973	<5	<0.2	10	<2	3	8	26		<10	<0.5	<1	<2	2	<1	140	0.85	145
RK-004	a9929973	5	<0.2	8	<2	2	8	98		<10	0.5	<1	<2	12	15	35	4.62	965

Aspen

Rock Sample Analyses (part 2)

Sample ID	ICP Ba ppm	ICP V ppm	ICP Hg ppm	ICP Sr ppm	ICP La ppm	ICP Al %	ICP Mg %	ICP Ca %	ICP Na %	ICP K %	ICP Ti %	ICP U ppm	ICP Be ppm	ICP Ga ppm	ICP P ppm	ICP Sc ppm	ICP Tl ppm	ICP B ppm	ICP S %
RK-001	80	8	<1	75	10	1.4	0.05	1.18	0.14	0.16	0.06	<10	0.5	<10	360	<1	<10	<10	0.03
RK-002	70	7	<1	63	<10	0.39	3.98	6.10	3.19	<0.01	0.01	10	<0.5	<10	160	<1	<10	<10	3.69
RK-003	50	3	<1	7	40	0.34	<0.01	0.03	0.08	0.17	<0.01	<10	<0.5	<10	150	1	<10	<10	<0.01
RK-004	180	141	<1	110	30	1.85	1.39	1.68	0.13	0.22	0.17	<10	<0.5	<10	2090	7	<10	<10	<0.01

APPENDIX 2

ANALYTICAL PROCEDURES

Geochemical Analysis

by Chemex Labs Ltd.

ELEMENT		LOWER DETECTION LIMIT	EXTRACTION	METHOD
Au	Gold	5 ppb	fire assay	A.A.
Al*	Aluminum	0.01%	Aqua-Regia digestion	Ind. Coupled Plasma
Sb	Antimony	2 ppm	Aqua-Regia digestion	Ind. Coupled Plasma
As	Arsenic	2 ppm	Aqua-Regia digestion	Ind. Coupled Plasma
Ba*	Barium	10 ppm	Aqua-Regia digestion	Ind. Coupled Plasma
Be*	Beryllium	0.5 ppm	Aqua-Regia digestion	Ind. Coupled Plasma
Bi	Bismuth	2 ppm	Aqua-Regia digestion	Ind. Coupled Plasma
Cd	Cadmium	0.5 ppm	Aqua-Regia digestion	Ind. Coupled Plasma
Ca*	Calcium	0.01%	Aqua-Regia digestion	Ind. Coupled Plasma
Cr*	Chromium	1 ppm	Aqua-Regia digestion	Ind. Coupled Plasma
Co	Cobalt	1 ppm	Aqua-Regia digestion	Ind. Coupled Plasma
Cu	Copper	1 ppm	Aqua-Regia digestion	Ind. Coupled Plasma
Ga*	Gallium	10 ppm	Aqua-Regia digestion	Ind. Coupled Plasma
Fe	Iron	0.01%	Aqua-Regia digestion	Ind. Coupled Plasma
La*	Lanthanum	10 ppm	Aqua-Regia digestion	Ind. Coupled Plasma
Pb	Lead	2 ppm	Aqua-Regia digestion	Ind. Coupled Plasma
Mg*	Magnesium	0.01%	Aqua-Regia digestion	Ind. Coupled Plasma
Mn	Maganese	5 ppm	Aqua-Regia digestion	Ind. Coupled Plasma
Hg	Mercury	1 ppm	Aqua-Regia digestion	Ind. Coupled Plasma
Mo	Molybdenum	1 ppm	Aqua-Regia digestion	Ind. Coupled Plasma
Ni	Nickel	1 ppm	Aqua-Regia digestion	Ind. Coupled Plasma
P	Phosphorus	10 ppm	Aqua-Regia digestion	Ind. Coupled Plasma
K*	Potassium	0.01%	Aqua-Regia digestion	Ind. Coupled Plasma
Sc*	Scandium	1 ppm	Aqua-Regia digestion	Ind. Coupled Plasma
Ag	Silver	0.2 ppm	Aqua-Regia digestion	Ind. Coupled Plasma
Na*	Sodium	0.01%	Aqua-Regia digestion	Ind. Coupled Plasma
Sr*	Strontium	1 ppm	Aqua-Regia digestion	Ind. Coupled Plasma
Tl*	Thallium	10 ppm	Aqua-Regia digestion	Ind. Coupled Plasma
Ti*	Titanium	0.01%	Aqua-Regia digestion	Ind. Coupled Plasma
W*	Tungsten	10 ppm	Aqua-Regia digestion	Ind. Coupled Plasma
U	Uranium	10 ppm	Aqua-Regia digestion	Ind. Coupled Plasma
V	Vanadium	1 ppm	Aqua-Regia digestion	Ind. Coupled Plasma
Zn	Zinc	2 ppm	Aqua-Regia digestion	Ind. Coupled Plasma

* Incomplete digeston.

Project 645

Aspen

file: 645\geodata\Soil_99.wk4

Soil Sample Analyses
1999

Reference : a9929461

Sample ID	Lab report #	30g FA/AA Au ppb	ICP Ag ppm	ICP As ppm	ICP Sb ppm	ICP Cu ppm	ICP Pb ppm	ICP Zn ppm	ICP W ppm	ICP Cd ppm	ICP Mo ppm	ICP Bi ppm	ICP Ni ppm	ICP Co ppm	ICP Cr ppm	ICP Fe %	ICP Mn ppm	ICP Ba ppm
S001	a9929461	<5	0.2	6	<2	19	18	98	<10	0.5	<1	<2	22	11	20	3.20	585	190
S002	a9929461	<5	0.4	18	<2	29	14	118	<10	0.5	2	<2	35	14	30	3.30	770	270
S003	a9929461	<5	0.6	6	<2	18	16	158	<10	0.5	1	<2	23	15	26	3.40	695	290
S004	a9929461	<5	0.2	6	<2	21	18	152	<10	0.5	1	<2	26	13	22	3.24	750	270
S005	a9929461	<5	0.2	8	<2	18	12	140	<10	0.5	<1	<2	24	11	27	3.13	550	160
S006	a9929461	<5	0.8	10	<2	53	16	178	<10	0.5	1	<2	35	15	34	3.43	955	200
S007	a9929461	<5	0.4	4	<2	23	14	112	<10	<0.5	2	<2	22	11	22	3.17	750	120
S008	a9929461	<5	0.2	10	<2	22	12	98	<10	<0.5	2	2	31	10	24	2.97	590	120
S009	a9929461	<5	0.2	8	<2	20	12	102	<10	<0.5	1	<2	29	10	25	2.92	390	130
S010	a9929461	<5	0.4	2	<2	16	12	94	<10	<0.5	1	<2	18	12	19	2.81	795	120
S011	a9929461	<5	0.2	<2	<2	15	16	126	<10	<0.5	1	<2	19	12	19	2.86	820	130
S012	a9929461	<5	0.4	6	<2	13	12	128	<10	<0.5	<1	<2	16	11	19	2.66	1070	190
S013	a9929461	<5	0.2	2	<2	12	12	132	<10	<0.5	<1	<2	15	10	18	2.90	525	150
S014	a9929461	<5	0.2	<2	<2	12	16	108	<10	<0.5	<1	<2	15	10	20	3.07	595	170
S015	a9929461	<5	0.2	6	<2	12	20	126	<10	0.5	<1	<2	14	10	20	3.24	735	180
S016	a9929461	<5	0.2	<2	<2	14	12	76	<10	<0.5	1	<2	13	9	16	2.59	685	110
S017	a9929461	<5	0.2	<2	<2	16	8	54	<10	<0.5	<1	<2	14	8	13	1.85	585	100
S018	a9929461	<5	0.2	2	<2	21	12	112	<10	<0.5	1	<2	22	12	22	3.20	630	160
S019	a9929461	<5	0.2	<2	<2	12	16	94	<10	<0.5	1	<2	15	8	18	2.63	400	140
S020	a9929461	<5	0.6	<2	<2	9	10	114	<10	<0.5	<1	<2	11	8	15	2.52	635	200
S021	a9929461	<5	0.2	<2	<2	9	10	88	<10	<0.5	<1	<2	14	8	17	2.57	510	210
S022	a9929461	<5	0.2	<2	<2	11	12	92	<10	<0.5	1	<2	13	9	17	2.79	685	240
S023	a9929461	<5	0.2	<2	<2	11	12	84	<10	<0.5	<1	<2	19	11	23	3.07	285	200
S024	a9929461	<5	0.4	24	<2	23	78	286	<10	1.5	1	<2	40	19	27	3.61	1785	140
S025	a9929461	<5	0.4	52	<2	15	20	312	<10	0.5	1	<2	32	19	21	3.29	990	150
S026	a9929461	<5	0.4	8	<2	18	36	224	<10	1.0	<1	<2	26	13	37	3.20	1310	170
S027	a9929461	<5	0.2	<2	<2	10	14	118	<10	<0.5	<1	<2	17	9	23	2.88	435	170
S028	a9929461	<5	0.2	<2	<2	12	20	162	<10	<0.5	1	<2	20	10	31	2.90	905	140
S028A	a9929461	10	0.2	2	<2	15	16	154	<10	<0.5	1	<2	30	10	42	3.02	385	150
S028B	a9929461	<5	0.2	<2	<2	16	18	154	<10	<0.5	1	<2	31	10	44	3.03	300	140
S029	a9929461	<5	0.2	4	<2	6	32	222	30	0.5	3	<2	12	6	20	2.33	1245	100
S030	a9929461	<5	0.4	2	<2	19	16	228	<10	1.0	<1	<2	24	10	44	3.17	985	160
S031	a9929461	<5	0.2	6	<2	11	22	136	<10	<0.5	<1	<2	10	7	16	3.07	830	140
S032	a9929461	<5	0.4	<2	<2	22	22	160	<10	1.5	2	<2	41	12	78	3.17	1715	250
S033	a9929461	<5	0.4	<2	<2	16	16	124	<10	<0.5	1	<2	33	12	62	3.11	925	160
S034	a9929461	<5	0.2	<2	<2	21	24	136	<10	<0.5	1	<2	62	18	139	3.75	2200	240
S035	a9929461	<5	0.4	<2	<2	16	18	134	<10	<0.5	1	<2	31	11	72	3.55	660	150
S036	a9929461	<5	0.4	<2	<2	14	14	84	<10	<0.5	<1	<2	15	8	19	2.93	360	120
S037	a9929461	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s
S038A	a9929461	<5	0.2	2	<2	13	20	108	<10	1.5	3	<2	11	6	14	3.26	890	130
S038B	a9929461	<5	0.4	<2	<2	12	20	94	<10	<0.5	<1	<2	7	6	14	3.37	710	130
S039	a9929461	<5	0.2	2	<2	12	22	154	<10	<0.5	1	<2	24	6	25	3.61	655	120
S040	a9929461	<5	0.6	4	<2	13	16	118	<10	<0.5	<1	<2	12	8	18	2.48	1010	90
S041	a9929461	<5	0.4	2	<2	13	20	140	<10	<0.5	<1	<2	9	7	15	2.88	1160	130
S042	a9929461	<5	0.6	14	2	98	52	1560	<10	17.5	1	<2	130	17	84	3.53	1510	720
S043	a9929461	<5	0.4	<2	<2	15	34	184	<10	1.5	2	<2	16	9	20	2.84	1680	170
S044	a9929461	<5	0.4	<2	<2	10	26	364	<10	1.5	<1	<2	15	9	17	2.72	990	140
S045	a9929461	<5	0.2	2	<2	13	12	116	<10	<0.5	2	<2	19	9	25	2.83	425	100
S046	a9929461	<5	0.2	<2	<2	13	18	128	<10	<0.5	<1	<2	17	10	23	2.92	760	190
S047	a9929461	<5	0.6	12	<2	20	22	294	<10	1.5	1	<2	17	11	23	2.79	1170	270
S048	a9929461	<5	0.6	36	<2	17	16	228	<10	0.5	<1	<2	32	12	26	3.01	450	110
S049	a9929461	<5	0.2	50	<2	15	40	302	<10	1.5	1	<2	55	20	37	3.57	1760	170

Aspen

Soil Sample Analyses (part 2)

Sample ID	ICP V ppm	ICP Hg ppm	ICP Sr ppm	ICP La ppm	ICP Al %	ICP Mg %	ICP Ca %	ICP Na %	ICP K %	ICP Ti %	ICP U ppm	ICP Be ppm	ICP Ga ppm	ICP P ppm	ICP Sc ppm	ICP Tl ppm	ICP B ppm	ICP S %
S001	58	<1	25	30	3.39	0.46	0.31	0.02	0.13	0.13	<10	0.5	<10	1180	3	<10	<10	0.03
S002	59	<1	40	50	3.69	0.71	0.42	0.02	0.14	0.16	20	0.5	<10	810	4	<10	<10	0.03
S003	56	<1	45	10	4.12	0.51	0.54	0.03	0.11	0.18	<10	0.5	10	1590	3	<10	<10	0.03
S004	58	<1	30	10	3.15	0.42	0.34	0.01	0.11	0.14	<10	<0.5	<10	1360	3	<10	<10	0.01
S005	59	<1	27	10	3.65	0.57	0.39	0.01	0.12	0.15	<10	0.5	<10	1210	3	<10	<10	0.01
S006	65	<1	28	50	3.68	0.60	0.43	0.03	0.11	0.16	40	1.5	<10	780	5	<10	<10	0.01
S007	58	<1	25	40	2.81	0.46	0.34	0.01	0.11	0.12	10	0.5	<10	910	3	<10	<10	0.03
S008	54	<1	24	30	3.12	0.45	0.29	0.01	0.10	0.12	10	0.5	<10	670	3	<10	<10	0.03
S009	51	<1	23	30	3.13	0.45	0.27	0.01	0.11	0.12	10	0.5	<10	820	3	<10	<10	0.03
S010	47	<1	18	10	3.13	0.30	0.18	0.02	0.08	0.15	<10	0.5	10	640	2	<10	<10	0.02
S011	46	<1	16	10	3.99	0.28	0.16	0.02	0.08	0.14	<10	0.5	<10	2130	2	<10	<10	0.02
S012	46	<1	16	10	3.74	0.30	0.16	0.02	0.07	0.13	<10	0.5	<10	2030	2	<10	<10	0.02
S013	52	<1	16	10	3.38	0.32	0.14	0.02	0.08	0.13	<10	<0.5	<10	1830	2	<10	<10	0.01
S014	56	<1	23	10	3.14	0.34	0.23	0.01	0.09	0.13	<10	0.5	<10	1250	3	<10	<10	0.01
S015	59	<1	20	10	2.49	0.35	0.19	0.01	0.09	0.11	<10	<0.5	<10	2040	2	<10	<10	0.02
S016	48	<1	20	30	2.13	0.28	0.21	0.01	0.07	0.09	<10	0.5	<10	660	1	<10	<10	0.03
S017	33	<1	19	20	1.71	0.24	0.24	0.01	0.06	0.07	<10	0.5	<10	550	1	<10	<10	0.03
S018	59	<1	35	30	3.12	0.51	0.32	0.01	0.14	0.12	<10	0.5	<10	850	3	<10	<10	0.04
S019	54	<1	17	20	2.56	0.40	0.22	0.01	0.09	0.10	<10	<0.5	<10	1390	2	<10	<10	0.01
S020	44	<1	26	10	2.63	0.31	0.28	0.01	0.07	0.11	<10	<0.5	<10	2360	1	<10	<10	0.01
S021	54	<1	23	20	1.93	0.44	0.29	0.01	0.09	0.09	<10	<0.5	<10	2140	2	<10	<10	0.01
S022	58	<1	26	20	2.34	0.44	0.26	0.01	0.11	0.11	<10	<0.5	<10	1830	2	<10	<10	0.01
S023	60	<1	21	20	3.32	0.50	0.20	0.01	0.11	0.14	<10	0.5	<10	710	3	<10	<10	0.01
S024	53	<1	23	20	5.37	1.78	0.95	0.02	0.09	0.15	10	1.0	<10	3310	5	<10	<10	0.03
S025	39	<1	16	<10	4.65	0.40	0.42	0.03	0.07	0.17	<10	0.5	10	3790	3	<10	<10	0.02
S026	44	<1	29	30	5.67	3.70	1.20	0.02	0.10	0.14	<10	1.5	10	1620	5	<10	<10	0.02
S027	60	<1	24	10	2.58	0.48	0.29	0.01	0.11	0.14	<10	<0.5	<10	1600	2	<10	<10	0.01
S028	53	<1	13	10	3.52	0.41	0.14	0.02	0.08	0.14	<10	0.5	<10	2050	2	<10	<10	0.01
S028A	60	<1	16	20	3.66	0.70	0.17	0.01	0.10	0.14	<10	0.5	<10	1500	3	<10	<10	0.01
S028B	62	<1	17	20	3.70	0.73	0.17	0.01	0.10	0.15	<10	0.5	<10	1330	3	<10	<10	0.01
S029	32	<1	15	20	2.48	0.31	2.35	0.01	0.03	0.09	<10	0.5	<10	1560	1	<10	<10	0.01
S030	48	<1	13	<10	4.42	0.47	0.15	0.02	0.08	0.17	<10	0.5	10	2780	2	<10	<10	0.02
S031	51	<1	11	10	3.38	0.24	0.11	0.01	0.06	0.14	<10	0.5	10	1440	3	<10	<10	0.02
S032	53	<1	28	40	3.81	0.85	0.74	0.02	0.09	0.16	10	1.0	<10	950	3	<10	<10	0.05
S033	53	<1	15	30	4.15	0.67	0.19	0.01	0.10	0.17	10	0.5	<10	1130	3	<10	<10	0.03
S034	68	<1	28	30	3.30	1.26	0.29	0.02	0.12	0.21	<10	1.0	10	1090	3	<10	<10	0.03
S035	60	<1	14	10	4.53	0.60	0.10	0.02	0.10	0.20	<10	0.5	10	1260	3	<10	<10	0.02
S036	53	<1	13	10	4.38	0.34	0.09	0.02	0.08	0.15	<10	0.5	<10	980	3	<10	<10	0.03
S037	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s
S038A	51	<1	19	20	1.65	0.22	0.09	0.01	0.07	0.14	<10	<0.5	10	500	2	<10	<10	0.04
S038B	53	<1	11	10	3.10	0.18	0.07	0.03	0.05	0.17	<10	<0.5	10	1280	2	<10	<10	0.02
S039	51	<1	11	30	3.50	0.45	0.11	0.01	0.09	0.13	<10	0.5	10	1730	4	<10	<10	0.03
S040	39	<1	10	10	5.21	0.21	0.10	0.02	0.05	0.14	<10	0.5	10	1550	3	<10	<10	0.03
S041	42	<1	9	10	4.41	0.20	0.09	0.02	0.07	0.15	<10	0.5	10	2610	3	<10	<10	0.03
S042	68	<1	37	50	3.25	1.28	1.03	0.05	0.14	0.20	10	1.0	<10	820	5	<10	<10	0.04
S043	49	<1	21	30	3.13	0.49	0.82	0.02	0.09	0.14	10	0.5	<10	1070	3	<10	<10	0.04
S044	47	<1	9	10	3.34	0.28	0.25	0.03	0.06	0.14	<10	0.5	10	880	2	<10	<10	0.01
S045	54	<1	11	10	3.18	0.46	0.14	0.01	0.08	0.12	<10	<0.5	<10	960	3	<10	<10	0.01
S046	56	<1	19	10	3.30	0.48	0.33	0.02	0.09	0.14	<10	0.5	<10	780	3	<10	<10	0.01
S047	48	<1	17	10	3.92	0.43	0.35	0.03	0.09	0.15	<10	0.5	10	2460	2	<10	<10	0.02
S048	47	<1	12	<10	5.03	0.65	0.15	0.03	0.08	0.15	<10	0.5	<10	1690	3	<10	<10	0.02
S049	42	<1	24	10	4.35	1.24	0.86	0.03	0.11	0.13	<10	0.5	<10	2880	3	<10	<10	0.02

LEGEND

△ SS1 — Silt sample location (1994)

ASP-21 ○ ASP-2 — Soil sample location (1994)

○ 645-S001 — Soil sample location (1999)

645-Rk001 X — Rock sample location (1999)

Outcrop

Geological contact

qtz	quartz
sil	silicified
lst	limestone
dol	dolomite
mag	magnetite
py	pyrite
cpy	chalcopyrite
gal	galena

ASP 8 T.N.321812
ASP 7 T.N.321811
ASP 6 T.N.321810
ASP 5 T.N.321809
ASP 4 T.N.321808
ASP 2 T.N.321806
ASP 1 T.N.321805

SS1 SS2 SS3 SS4 SS5 SS6

645-Rk001 Aplite dyke in lst
645-Rk002 mag.py.cpy.gal sil. limestone
645-Rk003 Qtz-monzonite
645-Rk004 Intrusive
Diorite
sil.lst-banded
rusty dol./lst
Qtz-monzonite
limestone
grey lst
rusty dol./lst
buff, beige limestone, rusty dol. & qtz veining

4860000E 4870000E 5447000N 5448000N 5449000N
5000 4500 5500 6000

DRAWN:		Sept.28/1994
REVISION DATE	REVISED BY	REVISION
Sept.20/1999	RM	Sample.loc
Dec.1/1999	RM	Sam.data
Path:		645\610_99.dwg

0°11' UTM Grid North True North

Topographic contour interval = 100 feet

METRES
0 50 100 150 200 250 300 350
SCALE 1:5000

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA

DISCOVERY Consultants

PREDATOR II SYNDICATE

ASPEN PROPERTY

SOIL & ROCK SAMPLING
Sample Locations & Geology

Location:	Sheep Cr.			Mining Jurisdiction:	Nelson		
Datum:	NAD27	Map Ref.:	82F/3E	Scale:	1:5000	UTM:	11
Project:	645	Date:	Dec.2/1999	Drawn By:	RM	Figure:	3

82F 13E

GEOLOGICAL SURVEY BRANCH

LEGEND

△	Silt sample location (1994)
36	Values shown in ppb Gold
-	Indicates value less than detection limit for element
ASP-21 ○	Soil sample location (1994)
○ 645-S001	Soil sample location (1999)
36	Values shown in ppb Gold
-	Indicates value less than detection limit for element
X	Rock sample location (1999)
5	Values shown in ppb Gold
-	Indicates value less than detection limit for element

26,135

DRAWN:		Sept.28/1994
REVISION DATE	REVISED BY	REVISION
Sept.20/1999	RM	Sample.loc
Dec.1/1999	RM	Sam.data
Path:		645\610_99.dwg

0°11'
UTM Grid North
True North

Topographic contour interval = 100 feet

METRES
0 50 100 150 200 250 300 350

SCALE 1:5000

DISCOVERY Consultants

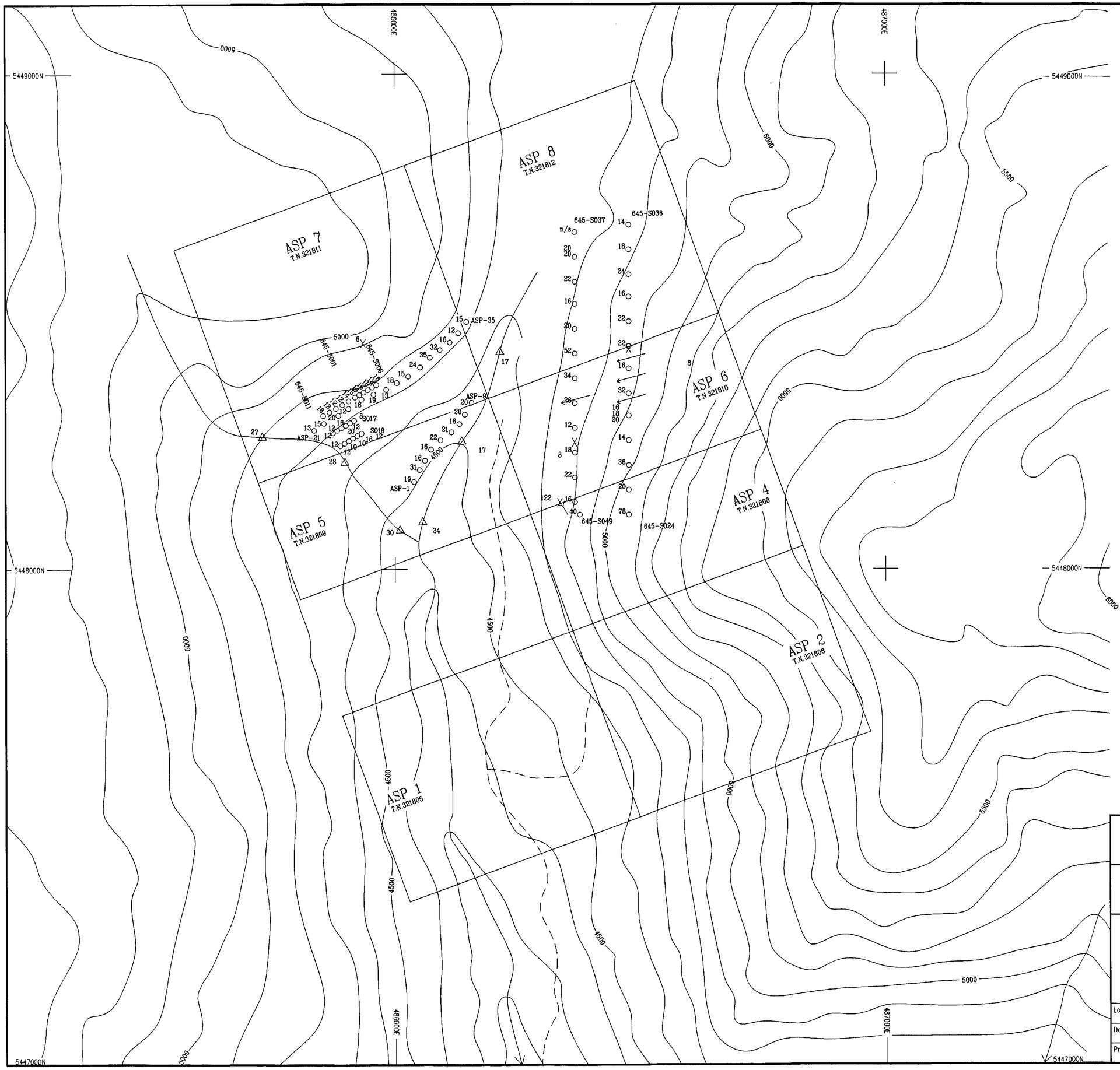
PROFESSIONAL ENGINEERS
T. H. CARPENTER
BRITISH COLUMBIA
GEOSCIENTIST

PREDATOR II SYNDICATE

ASPEN PROPERTY

SOIL & ROCK SAMPLING
GOLD VALUES

Location: Sheep Cr.		Mining Jurisdiction: Nelson	
Datum: NAD27	Map Ref.: 82F/3E	Scale: 1:5000	UTM: 11
Project: 645	Date: Dec.2/1999	Drawn By: RM	Figure: 4



LEGEND

△	Silt sample location (1994)
36	Values shown in ppm Lead
ASP-21 ○	Soil sample location (1994)
○ 645-S001	Soil sample location (1999)
36	Values shown in ppm Lead
X	Rock sample location (1999)
6	Values shown in ppm Lead

DRAWN:		Sept.28/1994
REVISION DATE	REVISED BY	REVISION
Sept.20/1999	RM	Sample.loc
Dec.1/1999	RM	Sam.data
Path:		645\610_99.dwg

0°11'
UTM Grid North
True North

Topographic contour interval = 100 feet

METRES
0 50 100 150 200 250 300 350

SCALE 1:5000

DISCOVERY Consultants

PREDATOR II SYNDICATE

ASPEN PROPERTY

SOIL & ROCK SAMPLING
LEAD VALUES

Location: Sheep Cr.		Mining Jurisdiction: Nelson	
Datum: NAD27	Map Ref.: 82F/3E	Scale: 1:5000	UTM: 11
Project: 645	Date: Dec.2/1999	Drawn By: RM	Figure: 5

LEGEND

△	Silt sample location (1994)
36	Values shown in ppm Zinc
ASP-21 ○	Soil sample location (1994)
○ 645-S001	Soil sample location (1999)
36	Values shown in ppm Zinc
X	Rock sample location (1999)
8	Values shown in ppm Zinc

DRAWN:		Sept.28/1994
REVISION DATE	REVISED BY	REVISION
Sept.20/1999	RM	Sample.loc
Dec.1/1999	RM	Sam.data
Path:		645\610_99.dwg

0°11'
UTM Grid North
True North

Topographic contour interval = 100 feet

METRES
0 50 100 150 200 250 300 350

SCALE 1:5000

DISCOVERY Consultants

T. M. CARPENTER PROFESSIONAL GEOSCIENTIST BRITISH COLUMBIA

PREDATOR II SYNDICATE

ASPEN PROPERTY

SOIL & ROCK SAMPLING

ZINC VALUES

Location: Sheep Cr.		Mining Jurisdiction: Nelson	
Datum: NAD27	Map Ref.: 82F/3E	Scale: 1:5000	UTM: 11
Project: 645	Date: Dec.2/1999	Drawn By: RM	Figure: 6