

PRELIMINARY
GEOLOGICAL AND GEOCHEMICAL REPORT
ON THE
PS 1 - 12 CLAIMS

Watson Lake Mining District, Y.T.
NTS 105F/8
(61 29'30"N, 132 25'00"W)

for

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by

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October 1988

CLAIMS: PS 1 - 12.
LOCATION: 34 miles(55 km) south of Ross River, Y.T.
DATE: July 24 to 25, 1988.

092596

This report has been examined by
the Geological Evaluation Unit
under Section 53 (4) Yukon Quartz
Mining Act and is allowed as
representation work in the amount
of \$ 2,400.00.

J. L. Gerner
for Regional Manager, Exploration and
Geological Services for Commissioner
of Yukon Territory.

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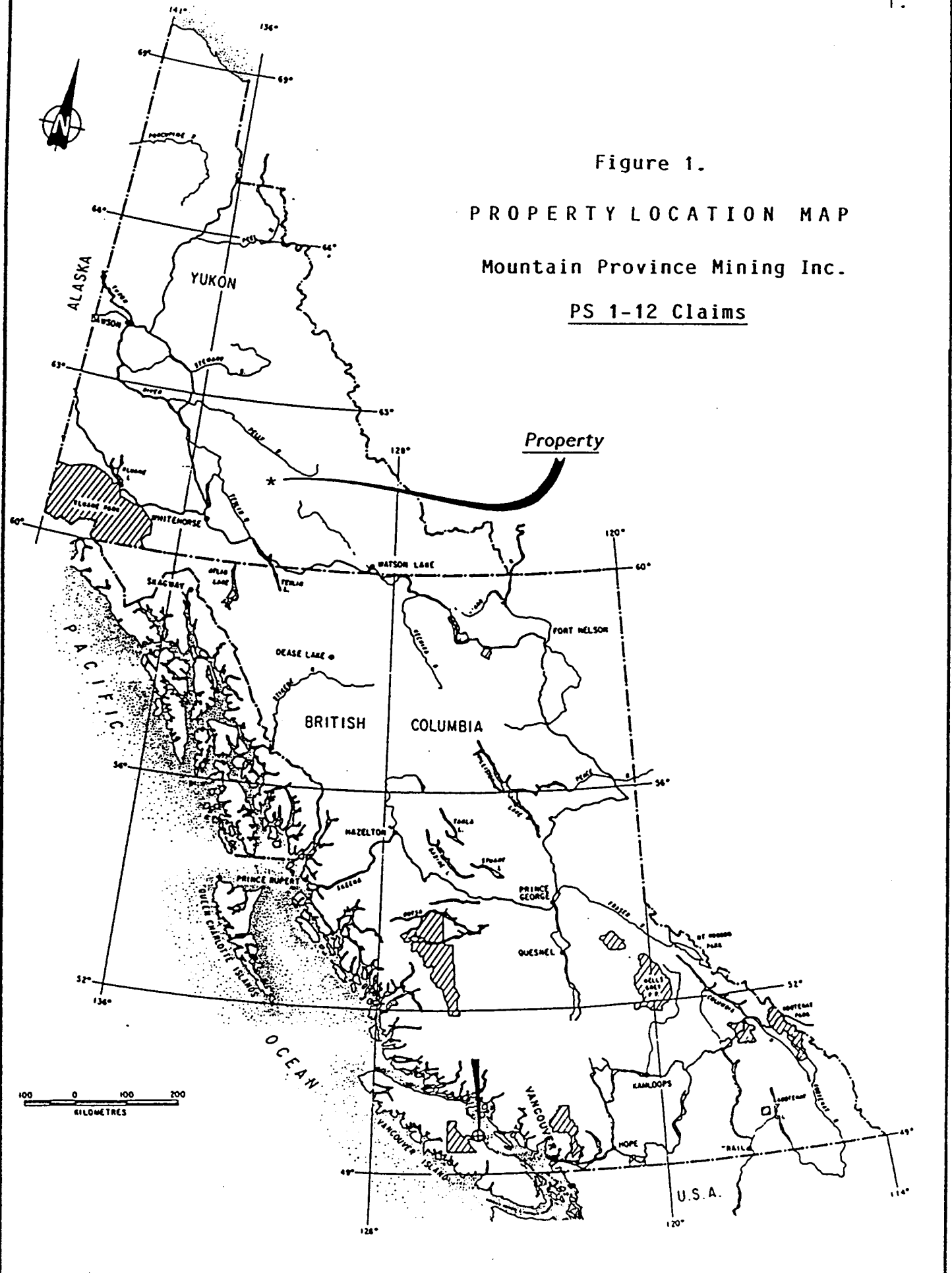
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Figure 1.

PROPERTY LOCATION MAP

Mountain Province Mining Inc.

PS 1-12 Claims



SUMMARY

Mountain Province Mining Inc. is the owner of the PS 1 - 12 mineral claims. The claims are situated in one contiguous block centered 55 kilometres south of Ross River, in the Pelly Mountains, Watson Lake Mining District (105F/8), Yukon Territory. The property is accessible by helicopter.

The ground is situated in an area underlain by a succession of Precambrian to Devono-Mississippian carbonates, clastics and volcanics. Mississippian syenite and carbonatite intrude the sedimentary and volcanic sequences. Northwesterly trending normal faults displace lithologies a few tens of metres.

The current program of work on the claim group consisted of preliminary geological mapping, limited talus fines and contour soil sampling. Results of this work indicate that anomalous copper, lead, zinc and silver soil and talus geochemistry are associated with an area underlain by Siluro-Devonian carbonates. In addition, high molybdenum and lanthanum geochemistry is associated with the contact zone between syenite and volcanics. Further work is recommended.

INTRODUCTION

This report compiles results of a preliminary evaluation of the PS 1-12 mineral claims conducted during the period July 24 to 25, 1988. The property is owned by Mountain Province Mining Inc. The object of the work was to map and sample the ground.

LOCATION

The claim group is centered 55 kilometres south of Ross River in the Watson Lake Mining District, Y.T. at latitude 61 29'30"N and longitude 132 25'00"W, covering part of map-sheet 105F/8. Physiographically the ground ranges over rugged alpine terrain. Elevations range from just under 1600 metres to just over 1900 metres above sea level.

ACCESS

The property is best accessed by helicopter from Ross River. However, the road to the Ketzá River gold deposit ends 7 kilometres from the eastern property boundary.

HISTORY

Previously, the PS 1-12 were held as a part of the Guayes/Guano group by the UKON joint venture (Archer et al., 1977).

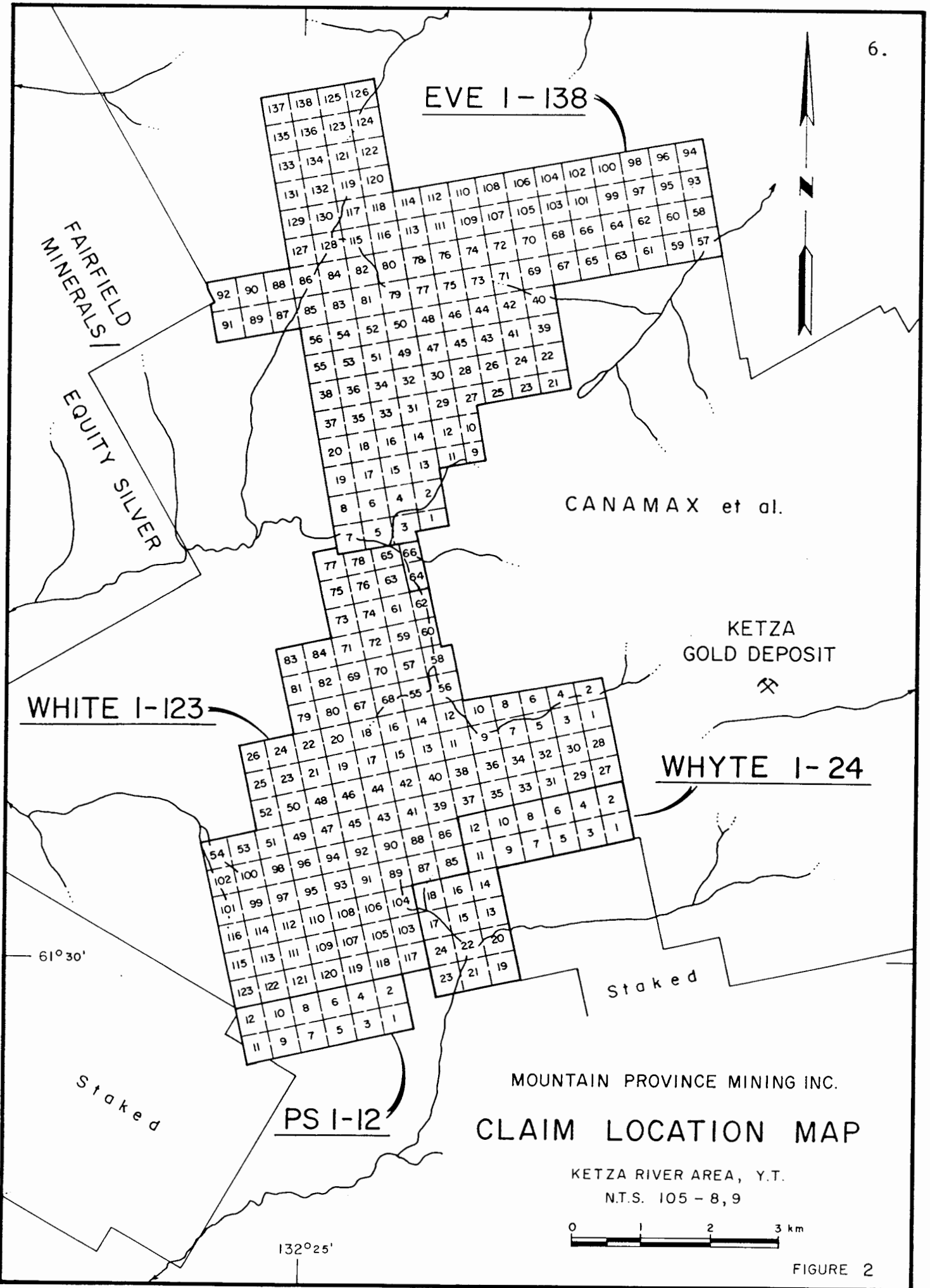
PROPERTY

Mountain Province Mining Inc.'s PS claim group in the Ketz River area consists of 12 contiguous, full sized mineral claims as tabulated below and illustrated on Figure 2. The claims are located in the Watson Lake Mining District, Y.T. (NTS 105F/8).

Table 1
MINERAL CLAIMS

<u>Claims</u>	<u>Grant Numbers</u>	<u>Expiry Date</u>
PS 1 - 12	YB00978-YB00989	August 19/1990*

*Pending acceptance of assessment work.



MOUNTAIN PROVINCE MINING INC.
CLAIM LOCATION MAP

KETZA RIVER AREA, Y.T.
 N.T.S. 105 - 8, 9



FIGURE 2

GEOLOGY

The PS claims are located in the Pelly Mountains, south-central Yukon. Regionally, the property is situated in the Pelly-Cassiar platform, a suspect terrane (Templeman-Kluit, et al., 1985) that consists of a sequence of sediments ranging in age from Precambrian(?) to Lower Devonian. This succession is overlain by allochthonous sediments, volcanics and associated pyroclastics of Upper Devonian to Mississippian age. Rare syenitic intrusives of Mississippian age intrude the sequence in the vicinity of the Ketz River area. These formations were deformed by an arc-continent collision event in Mesozoic times (Templeman-Kluit, 1979). Later right lateral strike-slip movement of at least 450 km along the Tintina Fault (Gabrielse, 1985) has undoubtedly influenced structural development in the area. Several large thrust sheets and small domal uplifts document the past deformation.

STRATIGRAPHY

The following stratigraphic subdivisions are, in part, based on those put forward by Templeman-Kluit (1977) for the Quiet Lake map area and by the writer's investigations (Verley, 1988).

Lower Cambrian: Carbonates

Preliminary mapping on the Eve and White claims has resulted in the subdivision of the Lower Cambrian into three units. Only the upper member (LC3) occurs on the PS claims. It consists of thick-bedded and thin-bedded, creamy to orange weathering limestone. Individual limestone beds are separated by argillaceous partings which frequently thicken into discreet shaley interbeds. Archaeocyathids are common in this section. The estimated thickness of this unit is in excess of 400 metres.

Upper Cambrian-Ordovician: Phyllite, limestone

A formation containing phyllite, chloritic phyllite, calcareous phyllite and argillaceous limestone with local volcanic flows - massive and amygdaloidal - as well as sections of tuff and agglomerate constitutes the Upper Cambrian - Ordovician strata on the claims. In general, this package of rocks is thinly bedded, recessive and forms pale yellowish-orange weathering talus slopes. The contact with the underlying Lower Cambrian strata is unconformable.

Silurian-Lower Devonian: Carbonates

A sequence of thin to thick bedded, steep westerly dipping, pale grey weathering limestones and dolostones constitutes the Silurian-Lower Devonian succession on the PS claims. Crinoidal debris occurs locally in some of the beds. The sequence in general has been subjected to varying degrees of metasomatic alteration as a result of the intrusion of Mississippian syenite. The alteration products range from garnet-pyroxene skarn to vesuviante-bearing skarn.

Upper Devonian-Mississippian: Shale

Recessive, dark grey to black, laminated, brownish weathering siltstone and fine sandstone make up exposures of this unit. Outcroppings of the shale unit on the PS claims are in the order of 50 metres in thickness.

Mississippian: Volcanics

This unit consists of intermediate volcanics and pyroclastics. In general the sequence is pale brownish to greenish weathering. Flow rocks are intercalated with

lapilli and fine-grained tuffs. The volcanics are strongly sheared, in general, on the PS claims.

INTRUSIVE ROCKS

Mississippian: Syenite

The southeastern portion of an elongate, northwesterly-trending syenite batholith underlies the west part of the PS claims. The syenite is a medium to coarse-grained, pale grey weathering, creamy coloured, feldspar-rich rock. Near the contacts with volcanics and sediments the syenite becomes increasingly mafic with the introduction of amphibole minerals. This mafic contact zone may be more properly described as a fenitized zone.

Carbonatite Breccia

An ovoid calcite-matrix breccia approximately 130 by 80 metres occurs in the north-central part of the PS claims. This body is interpreted as having a carbonatitic origin. Coarse white calcite occurs as a matrix supporting angular, pebble to cobble-sized clasts of Silurian carbonate. The calcite is fractured. Fractures are filled with secondary, brownish-coloured carbonates and rare pyrite.

STRUCTURE

Strata on the PS claims dip moderately to steeply to the south-southwest. Northwesterly trending normal faults offset the strata several tens of metres.

GEOCHEMISTRY

During the 1988 field program a total of 55 soil and/or talus fines samples were collected at various areas on the PS claims. The object of this work was to test the ground for precious metals and base metals.

Soils and/or talus fines were generally collected along lines at designated contour intervals or long claim lines. Sample spacing was 25 or 50 metres. All sample sites were flagged and labelled. Samples were placed in numbered bags and delivered to ACME Analytical Laboratories Ltd. in Vancouver, B.C. There samples were dried. Soils and talus fines were sieved to -80 mesh. The sieved samples were digested in 3 ML of a 3:1:2 solution of HCl, HNO and H₂O at 95 C for one hour, then diluted with water to a 10 ML solution. Gold analysis was by atomic absorption from a 10 gram sample. Inductively coupled argon plasma(ICP) technique was used to analyse 0.5 grams samples for Mo, Cu, Pb, Zn, Ag, Ni, Co, Mn, Fe, As, U, Th, Sr, Cd, Sb, Bi, V, Ca, P, La, Cr, Mg, Ba, Al, Na, K, and W.

A summary and interpretation of the geochemical data, in terms of range, background and anomalous categories is tabulated below(Table 2) . A discussion of the results follows.

Table 2

Summary and Interpretation of Geochemical Data

	Range	Background*	Possibly Anomalous*	Anomalous*
Soils/talus fines:				
Au	1 - 17 ppb	1 - 4 ppb	5 - 14 ppb	15+ ppb
Ag	0.1 - 2.3 ppm	0.1 - 0.4 ppm	0.5 - 0.7 ppm	0.8+ ppm
As	2 - 57 ppm	2 - 19 ppm	20 - 29 ppm	30+ ppm
Cu	4 - 189 ppm	4 - 14 ppm	15 - 24 ppm	25+ ppm
Pb	4 - 492 ppm	4 - 39 ppm	40 - 49 ppm	50+ ppm
Zn	20 - 1234 ppm	20 - 159 ppm	160 - 199 ppm	200+ ppm
Mo	1 - 94 ppm	1 - 19 ppm	20 - 29 ppm	94+ ppm
La	3 - 175 ppm	3 - 89 ppm	90 - 109 ppm	110+ ppm
Th	1 - 46 ppm	1 - 19 ppm	20 - 29 ppm	30+ ppm

Results of the sampling indicate that an area underlain by Siluro-Devonian carbonates - east of the central part of the property - is anomalous in lead and zinc (values up to 492 and 1234 ppm respectively). This area also has high copper (up to 189 ppm), gold (to 17 ppb) and arsenic (to 57 ppm) values. Talus and exposures in the area sampled consist of fine to medium-grained dolostone that locally is cut by a network of quartz stringers, sometimes giving the rock the appearance of a crackle breccia. One area, approximately 3 by 10 metres in dimension, of shattered white quartz occurs up slope from sample CKD028.

High molybdenum and lanthanum values (up to 94 and 175 ppm respectively) occur in an area underlain by syenite on the west side of the claims.

*Visual estimate.

CONCLUSIONS and RECOMMENDATIONS

Mountain Province Mining Inc. is the owner of the 12 PS mineral claims located in the Ketzá River area, Watson Lake Mining District, Yukon. The claims are situated 55 kilometres south of Ross River. Access is by helicopter, however roads lead to within a few kilometres of the property boundary.

The property is underlain by a succession of Precambrian to Devonian carbonates, clastics and volcanics. Mississippian syenite and carbonatite intrude the sedimentary and volcanic sequences. Northwesterly trending normal faults displace lithologies a few tens of metres. A copper, lead, zinc and silver soil/talus geochemical anomaly occurs in an area underlain by Siluro-Devonian carbonates. Relatively high Mo and La values occur in soil and talus fines overlying or at the contact of the syenite. This area is still of interest for locating niobium and rare earth elements.

A program of further work is recommended to determine the source, nature and extent of the copper, lead, zinc and silver anomalies. In addition, further evaluation of the niobium and rare earth potential of the syenite contact zone should be undertaken.

Respectfully submitted,
Amerlin Exploration Services Ltd.

Carl G. Verley
Carl G. Verley, F.G.A.C.

Vancouver, B.C.
October 20, 1988.

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APPENDIX A
ASSAY AND ANALYTICAL DATA

AMERLIN EXPLORATION FILE # 88-3267

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SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Mi PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
CKD-029	3	17	102	637	.6	30	14	553	3.68	57	5	ND	2	71	2	8	2	33	6.54	.213	15	13	5.78	408	.01	6	1.84	.01	.04	1	11
CKD-030	1	9	253	488	.5	11	4	792	1.50	10	5	ND	1	47	2	3	2	13	8.18	.040	9	8	5.17	191	.01	6	.35	.01	.03	1	1
CKD-031	1	15	492	903	.9	16	4	991	1.93	12	5	ND	1	39	2	6	2	15	8.92	.064	13	11	6.08	87	.01	4	.57	.01	.04	1	1
CKD-032	1	10	129	323	.4	11	4	889	1.85	12	5	ND	1	40	1	4	2	14	8.96	.051	12	8	5.98	73	.01	2	.43	.01	.04	1	4
FKD-300	4	11	13	84	.1	24	5	553	3.44	11	5	ND	2	9	1	2	2	54	.21	.068	31	22	.71	106	.07	2	1.45	.01	.18	1	1
FKD-301	5	10	10	71	.1	32	5	364	3.39	18	5	ND	3	7	1	2	2	47	.18	.076	33	22	.76	84	.04	2	1.68	.01	.16	1	1
FKD-302	4	12	10	80	.1	17	5	464	3.34	9	5	ND	1	12	1	2	2	33	.19	.050	53	23	.48	100	.06	3	1.25	.01	.13	1	1
FKD-303	9	17	14	122	.5	23	7	939	4.34	7	5	ND	18	19	1	2	2	44	.33	.086	104	25	.65	201	.12	3	1.67	.01	.30	1	7
FKD-304	6	9	16	130	.8	22	5	648	3.00	6	5	ND	22	31	1	2	2	120	.43	.078	74	50	1.20	176	.09	6	1.65	.01	.27	7	3
FKD-305	8	9	10	56	.4	19	5	416	2.20	8	5	ND	4	13	1	2	2	78	.23	.059	30	35	.72	87	.04	6	1.11	.01	.08	1	2
FKD-306	12	15	10	70	.1	64	8	499	3.10	18	5	ND	1	8	1	2	2	32	.17	.079	37	20	.28	57	.02	4	.93	.01	.04	1	1
FKD-307	23	26	42	177	2.3	37	5	2530	6.44	22	5	ND	4	12	1	2	2	13	.63	.084	94	5	.10	75	.01	2	.52	.01	.02	1	1
FKD-308	2	5	3	20	.1	4	1	223	.92	2	5	ND	4	3	1	2	2	6	.09	.022	22	1	.06	22	.01	2	.31	.01	.02	1	1
FKD-309	17	21	15	112	.6	42	11	1506	3.80	19	5	ND	46	5	1	2	3	10	.33	.078	112	4	.12	33	.01	2	.26	.01	.03	1	1
FKD-310	8	9	14	238	.2	26	3	1131	3.18	9	5	ND	7	9	1	2	2	8	1.25	.053	43	4	.57	63	.01	2	.44	.01	.02	1	1
FKD-311	16	18	11	121	.3	68	32	809	6.85	29	5	ND	13	11	1	2	3	26	.66	.118	70	11	.59	42	.01	2	.72	.01	.03	1	1
FKD-312	7	45	14	64	.1	66	15	249	3.32	31	5	ND	5	8	1	2	2	9	.38	.083	12	4	.29	57	.01	2	.61	.01	.04	1	1
FKD-313	1	24	31	84	.2	28	16	446	4.50	14	5	ND	8	27	1	2	2	11	.68	.044	24	22	1.48	40	.01	2	1.95	.01	.04	1	1
FKD-314	1	21	34	104	.1	24	12	455	4.54	8	5	ND	5	28	1	2	2	17	.70	.089	21	27	1.11	61	.01	2	1.92	.01	.04	1	1
FKD-315	1	27	23	114	.3	24	13	689	3.72	4	5	ND	8	146	1	2	2	7	5.01	.042	20	17	.98	23	.01	2	1.53	.01	.02	1	1
FKD-316	1	21	22	66	.2	24	12	450	3.79	6	5	ND	2	29	1	2	2	15	.72	.053	21	20	.88	47	.01	2	1.52	.01	.02	1	3
FKD-317	1	20	12	44	.3	21	12	627	3.43	7	5	ND	2	94	1	3	2	7	4.15	.057	13	13	.65	27	.01	2	1.10	.01	.01	2	1
FKD-318	1	18	38	64	.1	19	10	793	3.44	10	5	ND	2	26	1	2	2	19	.77	.069	17	20	.63	60	.01	2	1.33	.01	.03	1	1
FKD-319	1	36	29	69	.1	30	15	276	3.78	11	5	ND	5	11	1	2	2	18	.16	.024	29	22	.79	36	.01	2	1.49	.01	.02	1	1
FKD-320	1	21	18	64	.1	16	9	538	3.30	5	5	ND	1	23	1	2	2	18	.39	.062	14	18	.61	57	.01	2	1.30	.01	.01	1	1
FKD-321	1	25	26	104	.5	35	15	769	4.42	7	5	ND	8	14	1	2	2	11	.28	.055	43	18	.77	49	.01	2	1.51	.01	.02	1	2
FKD-322	4	19	38	68	.6	16	8	1167	3.10	8	5	ND	1	20	1	2	2	20	.38	.095	15	16	.62	70	.01	2	1.26	.01	.01	1	2
STD C/AU-S	18	56	36	127	7.1	67	28	1025	3.92	41	17	6	36	47	16	18	20	54	.47	.083	36	53	.86	170	.06	38	1.86	.06	.14	12	49

AMERLIN EXPLORATION FILE # 88-3267

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SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Tb PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	V PPM	Au' PPB
3400E-3600W	1	26	13	56	.5	28	12	195	7.11	36	10	ND	10	20	1	2	2	10	.46	.052	26	14	.47	65	.01	2	1.40	.01	.06	1	3
3400E-3750W	2	65	18	58	.7	42	26	1271	5.61	36	10	ND	14	15	1	2	2	12	.99	.063	41	16	.89	34	.01	2	1.18	.01	.07	1	9
3400E-3700W	1	11	3	29	.1	9	7	695	2.75	11	6	ND	3	15	1	2	2	12	.48	.044	7	3	.12	29	.01	3	.67	.03	.04	1	3
3400E-3650W	1	31	7	58	.4	35	11	252	4.33	13	7	ND	12	7	1	2	3	9	.10	.063	51	21	.60	37	.01	2	1.49	.01	.08	1	1
3400E-3600W	4	59	51	97	1.7	34	21	2264	6.78	68	5	ND	5	65	1	3	2	17	.91	.089	36	14	.24	67	.01	2	1.10	.01	.06	1	6
3400E-3550W	1	52	16	83	.3	59	19	569	5.46	18	5	ND	9	5	1	3	3	12	.03	.080	39	24	.60	32	.01	2	1.53	.01	.06	1	2
3400E-3500W	1	25	12	50	.5	29	10	144	3.39	14	9	ND	9	14	1	2	2	11	.31	.039	31	13	.41	41	.01	3	1.20	.02	.06	1	3
3400E-3450W	1	42	23	131	1.4	51	18	4898	14.80	59	15	ND	6	41	1	4	2	10	2.03	.071	29	8	.56	67	.01	4	.31	.01	.03	1	4
CKD-001	42	10	14	56	1.3	7	10	1857	7.34	7	5	ND	27	12	1	2	2	4	.20	.066	175	1	.63	220	.01	7	1.63	.02	.04	1	1
CKD-002	94	11	20	113	.7	26	5	555	4.69	17	7	ND	10	10	1	2	4	32	.18	.076	82	3	.84	252	.91	2	1.56	.01	.04	1	1
CKD-003	78	10	21	117	1.0	32	6	917	3.87	15	7	ND	8	10	1	2	3	37	.17	.096	99	3	.59	162	.01	8	1.32	.01	.06	1	1
CKD-004	36	14	23	189	.6	25	5	614	4.93	12	6	ND	17	8	1	2	2	23	.08	.097	73	5	.66	60	.01	6	1.75	.01	.07	1	3
CKD-005	22	7	11	38	.6	4	5	544	6.64	6	6	ND	22	7	1	2	3	3	.16	.044	72	1	.38	75	.01	4	1.82	.02	.07	1	2
CKD-006	15	9	11	41	.8	6	4	883	4.75	6	5	ND	23	8	1	2	2	3	.25	.056	95	1	.36	66	.01	2	1.14	.01	.05	1	2
CKD-007	25	17	24	55	1.2	7	6	605	7.03	6	5	ND	38	7	1	2	2	8	.11	.956	116	2	.52	56	.01	9	1.78	.01	.05	1	1
CKD-008	24	20	29	154	1.7	7	8	834	6.22	9	7	ND	11	7	1	4	2	5	.12	.052	67	1	.20	89	.01	3	1.67	.02	.05	1	1
CKD-009	23	10	44	300	2.3	8	7	2010	7.03	4	5	ND	17	9	1	2	2	3	.22	.060	133	3	.40	113	.01	3	1.68	.02	.06	1	1
CKD-010	22	13	35	67	2.0	7	4	1430	6.62	5	5	ND	24	17	1	2	2	4	.29	.073	88	3	.71	84	.01	12	1.47	.05	.09	1	3
CKD-011	8	4	8	47	.8	17	6	1051	3.24	5	5	ND	18	19	1	2	3	13	.54	.173	153	11	.79	132	.01	5	1.50	.01	.05	1	1
CKD-012	26	17	43	38	1.2	6	3	648	7.55	8	8	ND	8	16	1	2	2	7	.08	.069	49	3	.10	81	.01	5	.35	.10	.17	1	1
CKD-013	11	7	15	47	.4	9	3	476	4.23	8	5	ND	4	10	1	2	3	8	.11	.073	41	5	.19	87	.01	3	.85	.03	.07	1	13
CKD-014	26	12	17	35	1.0	15	4	699	5.89	29	7	ND	17	11	1	2	2	6	.18	.055	79	3	.22	54	.01	3	1.09	.02	.07	1	3
CKD-015	20	17	45	73	1.0	8	3	943	8.20	11	5	ND	6	9	1	5	2	6	.25	.071	67	2	.16	56	.01	2	.96	.03	.04	1	1
CKD-016	15	22	20	68	1.3	12	4	668	5.30	6	6	ND	28	7	1	2	2	6	.18	.060	98	4	.27	33	.01	5	.68	.02	.06	1	1
CKD-017	11	17	20	43	1.3	19	5	1034	6.76	7	5	ND	20	9	1	2	2	8	.28	.075	61	5	.48	58	.01	2	1.01	.01	.05	1	1
CKD-018	8	6	4	52	.7	6	3	566	4.36	3	5	ND	9	10	1	2	2	15	.34	.081	55	4	.43	40	.01	3	.98	.01	.05	1	12
CKD-019	11	5	8	37	.8	7	3	800	4.01	4	5	ND	20	7	1	2	2	5	.34	.062	93	3	.65	51	.01	5	1.34	.01	.05	1	3
CKD-020	5	6	8	45	.6	12	6	870	4.80	8	5	ND	14	12	1	2	2	28	.50	.178	47	7	1.51	58	.01	5	2.07	.01	.04	1	1
CKD-021	3	5	7	51	.5	11	4	705	4.12	5	5	ND	13	10	1	2	3	25	.39	.132	55	4	1.34	54	.01	7	1.98	.01	.05	1	1
CKD-022	4	7	8	45	.4	13	5	698	3.82	4	5	ND	13	7	1	2	2	15	.32	.111	36	10	.98	53	.01	5	1.44	.01	.05	1	1
CKD-023	6	6	7	38	.5	63	7	747	3.97	36	5	ND	16	10	1	2	2	103	.30	.089	32	37	1.16	41	.01	7	1.60	.01	.05	1	2
CKD-024	1	189	9	275	.3	11	7	415	5.55	4	5	ND	7	8	1	3	3	34	.90	.053	3	31	4.37	445	.13	14	2.58	.01	.84	16	2
CKD-025	2	88	222	1234	.9	18	5	725	3.88	16	5	ND	6	15	3	6	2	30	2.71	.034	22	20	4.37	111	.07	3	1.65	.01	.15	1	3
CKD-026	1	24	122	926	.7	16	5	764	1.88	11	5	ND	4	114	3	4	3	17	10.43	.054	13	15	2.56	72	.04	42	.73	.01	.08	2	17
CKD-027	1	14	101	240	.6	15	5	731	1.51	4	5	ND	2	33	2	2	2	16	1.52	.075	16	12	.66	121	.02	8	.92	.01	.11	1	1
CKD-028	2	17	275	502	1.3	31	7	442	2.99	15	11	ND	4	39	1	6	2	30	5.77	.060	17	23	3.80	140	.02	8	1.40	.01	.13	1	2
STD C/AU-3	18	58	35	132	6.6	67	28	1058	3.94	38	22	6	37	48	17	17	21	55	.48	.088	38	56	.89	174	.06	35	1.90	.06	.13	12	52

APPENDIX B

PERSONNEL

PERSONNEL

Carl Verley
8191 Osler Street
Vancouver, B.C. Geologist

Jess Clark
6495 McKenzie Place
Vancouver, B.C. Senior Field Assistant

Bill Finlay
3284 Mathers Avenue
West Vancouver, B.C. Field Assistant

James Gordon
1808 Knox Road
Vancouver, B.C. Field Assistant

Gail Spurgeon
1866 E. 35th Avenue
Vancouver, B.C. Cook

APPENDIX C
WRITER'S CERTIFICATE

AMERLIN EXPLORATION SERVICES LTD.

108-525 Seymour Street, Vancouver, B.C., Canada, V6B 3H7

Phone (604) ~~689-1968~~ 689-1868.

WRITER'S CERTIFICATE

I, Carl G. Verley of Vancouver, British Columbia hereby certify that:

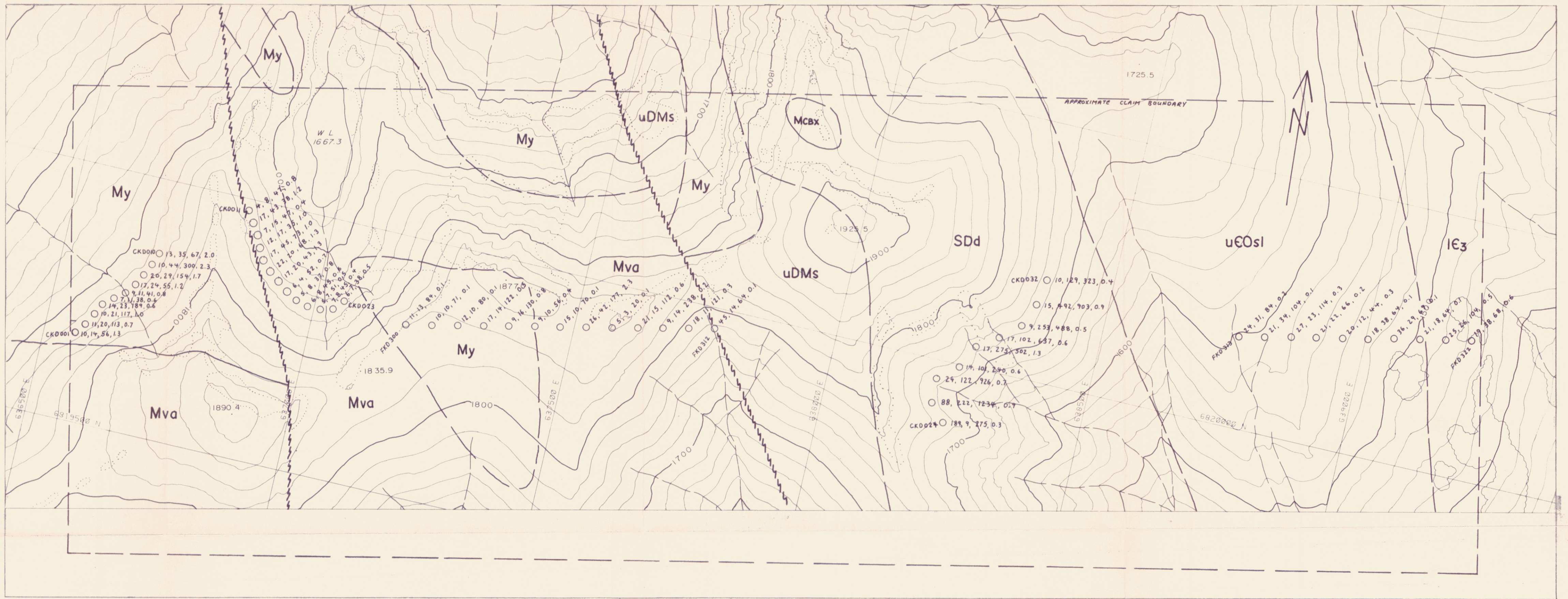
1. I am a geologist residing at 8191 Osler Street, Vancouver B.C.
2. I am a graduate of the University of British Columbia, B.Sc. in 1974, and have practised my profession since that time.
3. I am a Fellow of the Geological Association of Canada.
4. I am the author of this report that is based on work that I conducted and supervised during the period July 24 to 25, 1988.

Amerlin Exploration Services Ltd.



Carl G. Verley, F.G.A.C.

October 20, 1988.
Vancouver, B.C.



LEGEND

LITHOLOGIES

MISSISSIPPIAN

Mc Carbonatite, Mcbx carbonatite breccia

My Syenite

Mva Volcanics, pyroclastics

UPPER DEVONIAN - MISSISSIPPIAN

uDMs Shale

SILURIAN - DEVONIAN

SDd Carbonates

UPPER CAMBRIAN - ORDOVICIAN

uEOsl Limestone, slate

LOWER CAMBRIAN

Iε3 Limestone, fossiliferous
Iεd-dolomitized; Iεu-undivided

SYMBOLS

- Outcrop distribution
- Lithologic contact, definite, inferred
- Fault, definite, inferred
- Soil/talus fine sample location number (GKD 107) with Cu, Pb, Zn and Ag values in ppm.

NOTE:

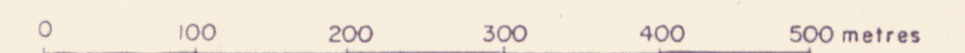
MAGNETIC DECLINATION 31°E(1988).
TOPOGRAPHY COMPILED FROM AERIAL PHOTOGRAPHY
TAKEN IN 1972 AT AN APPROXIMATE SCALE OF
1:48000. BASE PREPARED BY McELHANEY SURVEYING
AND ENGINEERING LTD. CONTOUR INTERVAL 20 metres.

MOUNTAIN PROVINCE MINING INC.

GEOLOGY AND GEOCHEMISTRY

PS 1 - 12 CLAIMS

WATSON LAKE MINING DISTRICT, YUKON



Scale 1:5,000

AMERLIN EXPLORATION SERVICES LTD.
108-525 SEYMOUR STREET
VANCOUVER, B.C. V6B 3H7

156

092596

PLATE I

090596

STATUTORY DECLARATION

CANADA)
) In the matter of a geological and geochemical
) report on behalf of Mountain Province Mining Inc.
TO WIT:)

I, Carl G. Verley, agent for Amerlin Exploration
Services Ltd. of 108 - 525 Seymour Street, Vancouver, B.C.

do solemnly declare, - that geological mapping and geochemical
sampling were conducted on the PS 1 to 12 mineral claims
(inclusive), Watson Lake Mining District, Yukon, during the
period July 24 to 25, 1988. Expenditures for this work include:

Salaries, management fees, consulting. . .	\$1,150.00
Helicopter support.350.00
Assay and analytical	638.00
Expediting.	20.00
Field supplies.	15.00
Food.	80.00
Freight and air cargo.33.00
Lodging.31.25
Report preparation, drafting, photocopying and printing.	400.00
TOTAL	\$2,717.25

And I make this declaration conscientiously believing it to
be true and knowing that it is of the same force and effect as if
made under oath and by virtue of The Canada Evidence Act.

Declared before me at VANCOUVER)
in the Province of B.C. this)
3rd day of August 1988.)

Carl G. Verley,



[Signature]
Notary Public.