

LOG NO: 11-23	RD.
ACTION:	
FILE NO:	

Report on

GEOCHEMICAL SURVEY

TRUMAN GROUP

Salmo Area

49°4'N, 117°15'W
82F 3E1/2
Nelson Mining Division

S. 11-23-80
11-23-80
M.S. #
VANCOUVER, B.C.

by
J.W. MacLeod, P.Eng.

Vancouver, B.C.
November 7, 1990

20,498

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

TABLE OF CONTENTS

INTRODUCTION	1
SUMMARY AND CONCLUSIONS	1
PROPERTY	4
LOCATION AND ACCESS	6
GENERAL	6
GEOLOGY	7
MINERAL OCCURRENCES	7
GEOCHEMICAL SURVEY	8
ZINC IN SOILS	8
LEAD IN SOILS	9
RECOMMENDATIONS	9

Illustrations

Location Map	1 cm = 25 km	2
Location Map	1 in = 2 mi	3
Plan of Claims	1:50,000	4
Zinc In Soils	1:2500	In Pocket
Lead in Soils	1:2500	In Pocket

Appendices

Appendix I	Analytical Procedure
Appendix II	Analyses
Appendix III	Expenditure
Appendix IV	Engineer's Certificate

GEOCHEMICAL REPORT

on

TRUMAN GROUP

INTRODUCTION

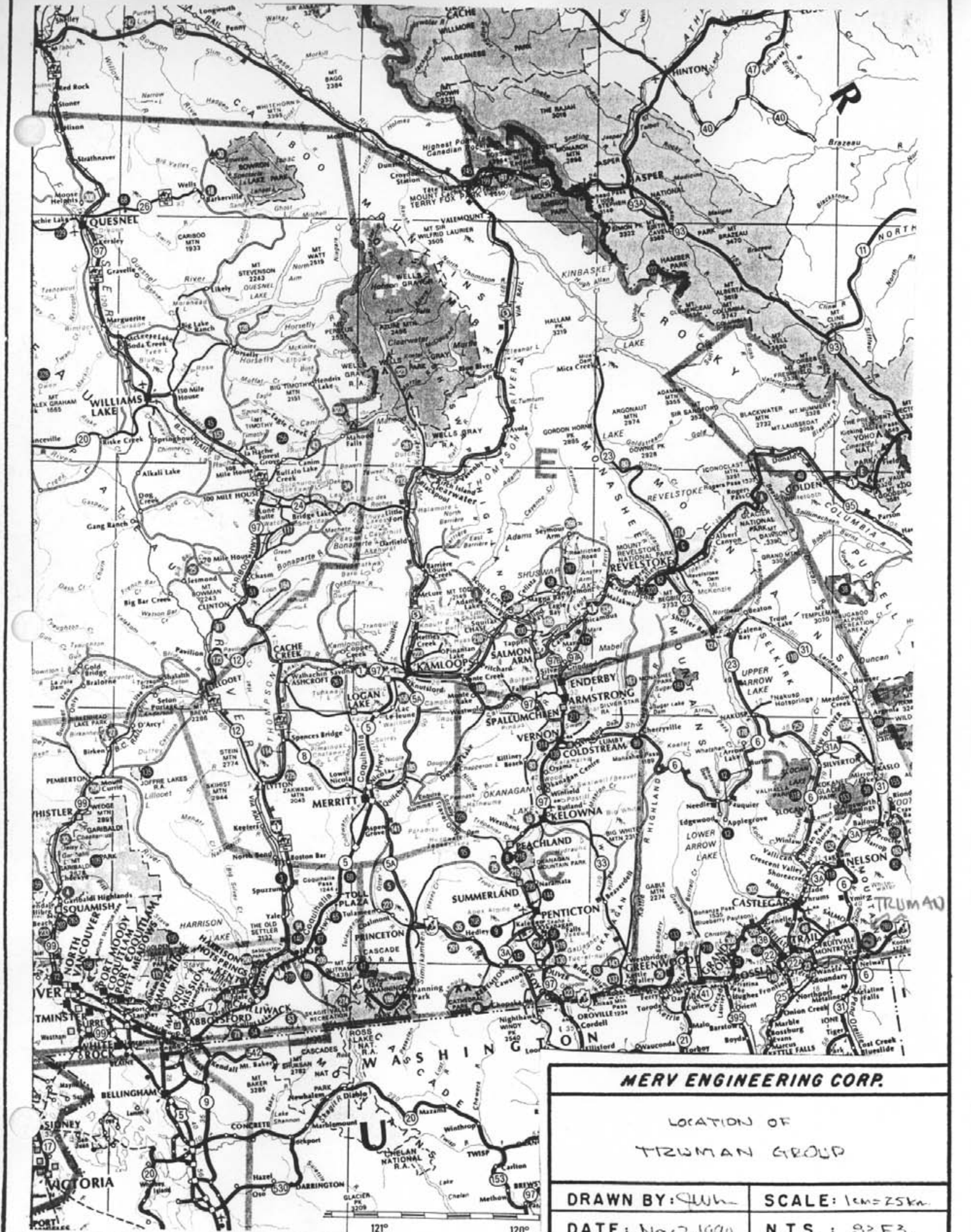
The following report has been prepared to fulfill the requirements of the Mineral Act governing the filing of geochemical work for assessment credit.

A relatively flat area of the property in the vicinity of some old lead-zinc showings was selected for the geochemical test. One hundred and three soil samples were taken between September 18 and September 22, 1990 by J.W. MacLeod and G.A. Bleiler, co-owners of the property.

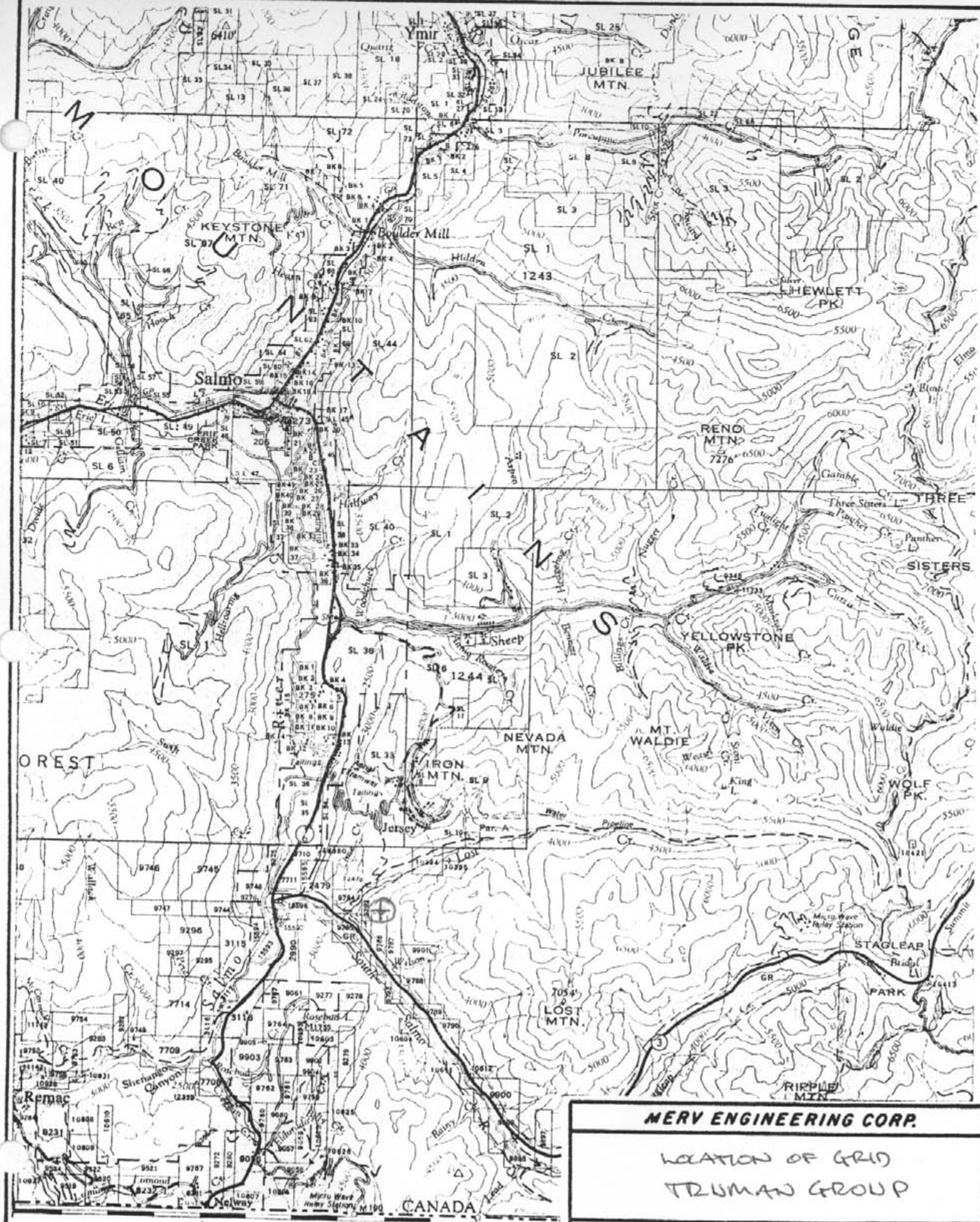
SUMMARY AND CONCLUSIONS

The Truman Group is located in the Salmo lead-zinc-tungsten belt and consists of 14 reverted Crown Granted mineral claims. The southwest corner of the property is underlain by the upper limb of the Reeves Limestone which hosts lead-zinc mineralization.

The soil survey located a lead-zinc geochemical anomaly about 250 metres long which requires investigation by trenching.



MERV ENGINEERING CORP.	
LOCATION OF TRZMAN GROUP	
DRAWN BY: CWH	SCALE: 1cm = 25km
DATE: Nov 2, 1990	N.T.S. : 83 F3.



MERV ENGINEERING CORP.

LOCATION OF GRID
TRUMAN GROUP

DRAWN BY: JWM

SCALE: 1" = 2 mi

DATE: Nov 2, 1990

N.T.S. : 82 F 3

To Newport U.S.A.
— 75 miles

15'

U.S.A.

CANADA

PROPERTY

The property consists of the following 14 contiguous reverted Crown Granted mineral claims.

Claim	Record No.	C.G. No.	Record Date	Lapse Date
Truman No. 1	629	15468	May 17	1991
Truman No. 3	630	15469	May 17	1991
Truman No. 4	934	15470	Feb. 2	1991
Truman No. 2	933	15467	Feb. 2	1991
Truman No. 14 Fr	932	15466	Feb. 2	1991
Truman No. 6	931	15439	Feb. 2	1991
Truman No. 13 Fr	930	15438	Feb. 2	1991
Truman No. 12 Fr	928	15437	Feb. 2	1991
Truman No. 7	927	15436	Feb. 2	1991
Truman No. 5	926	15435	Feb. 2	1991
Truman No. 11 Fr	925	15434	Feb. 2	1991
Truman No. 10	924	15433	Feb. 2	1991
Truman No. 9	923	15432	Feb. 2	1991
Truman No. 8	922 Z	15429	Feb. 2	1991

LOCATION AND ACCESS

The Truman Group is located 13.5 km south of Salmo about 2 km east of the junction of Highways 3 and 6. About 50 metres east of Lost Creek a gravel road goes north and east across this area of the property. From the junction on claim 6 the road north to the test area is four wheel drive.

GENERAL

The Salmo area has a long history of lead and zinc production from stratabound deposits in the Reeves Limestone. The principal producers being the H.B., Jersey and Remac; none of which are in operation at this time. Significant tungsten production has been obtained from the Emerald and Dodger occurrences. The Truman Group is bisected by Lost Creek with the area to the north held for its tungsten possibilities and that to the south for lead-zinc.

A tunnel was driven on which is now Truman No. 4 in 1911 and in 1927-28 Cominco drilled four holes (2074 ft.) on Truman No. 3. Valley Mining, a subsidiary of New Jersey Zinc, drilled three holes (624 ft) in 1947. American Zinc Co. acquired the property in 1950 and by 1954 had drilled 17 holes (7892 ft.), 12 on Truman No. 1, one by the tunnel and 2 north of Lost Creek.

Mining for industrial minerals is presently being carried out from a decline on Truman No. 13.

GEOLOGY

Comprehensive geology of the Salmo lead-zinc belt is provided by the B.C. Dept. of Mines Bulletin No. 41 by J.T. Fyles and C.G. Hewlett in 1959.

The productive, white and grey, Reeves Limestone is found in a north-south trending anticline with all of the mines occurring along the east limb. Skarn type tungsten deposits are found where the limestone contacts granite. The limestone is overlain by black graphitic argillite.

The high ground in the southeast corner of the Truman Group is underlain by the east limb of the anticline and the limestone here correlates with that hosting the Jersey mine to the north.

MINERAL OCCURRENCES

The portal of the adit at creek level on Truman No. 4 exposes a one metre wide shear in limestone. A narrow section of the shear is well mineralized with galena and sphalerite.

Trench A at the top of the hill on Truman No. 3 exposes a one metre wide zone of galena-sphalerite mineralization striking N30°E and dipping 30° to the west conformable to the host white limestone. A number of trenches have been dug going south from Trench A but only one, Trench B, exposes any rock. Here a shear striking northwest and dipping 30° to the southwest carries galena and sphalerite.

Along line 2+50S there is evidence of several drill holes but only one with the casing left was noted at 30+00W on this line. This is probably hole V3 which cut two feet of ten percent zinc.

GEOCHEMICAL SURVEY

A baseline was run bearing N20°E along the trend of the limestone. Flagged crosslines were run at 100 metre intervals and samples taken at 25 metre stations on these lines.

The area would appear to have been the subject of an intense fire which completely destroyed the timber at that time along with most of the humus. At present there exists only 1 to 2 cm of A horizon over a B horizon of grey to light brown soil.

The soils collected were treated for a 25 element ICAP Geochemical Analysis. As expected only lead and zinc showed significant highs. Cadmium values up to 14 ppm correlate with zinc values which is common in this area where cadmium credits are often obtained in zinc concentrates.

The gridded area is indicated by geological maps to be underlain by limestone in contact approximately at the east end of the lines with black argillite.

ZINC IN SOILS

Zinc values range from about 150 to 1000 ppm with the background over the limestone from 150 to 250. Therefore plus-500 ppm is considered anomalous except at the east end of the lines where there is evidence of argillite.

The highs at 1+50 and 1+75S on the baseline probably represent mineralization similar to that in Trenches A and B. More significant highs are those in the flat area east of the baseline on lines 4+00 and 5+00S where values up to 1190 ppm occur in what appears to be the most heavily overburdened portion of the grid area.

LEAD IN SOILS

Lead values for the most part are less than 2 ppm. The high at 75 west line 1+00S is directly over mineralization. The +50 ppm contour is quite distinctive and relates fairly well to the zinc anomaly.

RECOMMENDATIONS

The anomalous lead and zinc values on lines 3, 4 and 5+00 south require detailed investigation. The initial test could be by hand trenching and checking the soil profile. If the overburden is too deep and the geochemical profile is positive, a backhoe should be used.

Respectfully submitted,



J.W. MacLeod, P.Eng.

Vancouver, B.C.
November 7, 1990

Appendix I

ANALYTICAL PROCEDURE

November 13, 1990

TO: Mr. Jim McLeod
1220 Arbutus Street
Vancouver, BC V6J 3W6

FROM: VANGEOCHEM LAB LIMITED
1630 Pandora Street
Vancouver, BC V5L 1L6

SUBJECT: Analytical procedure used to determine hot acid soluble for 25 element scan by Inductively Coupled Plasma Spectrophotometry in geochemical silt and soil samples.

1. Method of Sample Preparation

- (a) Geochemical soil, silt or rock samples were received at the laboratory in high wet-strength, 4" X 6", Kraft paper bags. Rock samples would be received in poly ore bags.
- (b) Dried soil and silt samples were sifted by hand using an 8" diameter, 80-mesh, stainless steel sieve. The plus 80-mesh fraction was rejected. The minus 80-mesh fraction was transferred into a new bag for subsequent analyses.
- (c) Dried rock samples were crushed using a jaw crusher and pulverized to 100-mesh or finer by using a disc mill. The pulverized samples were then put in a new bag for subsequent analyses.

2. Method of Digestion

- (a) 0.50 gram portions of the minus 80-mesh samples were used. Samples were weighed out using an electronic balance.
- (b) Samples were digested with a 5 ml solution of HCl:HNO₃:H₂O in the ratio of 3:1:2 in a 95 degree Celsius water bath for 90 minutes.
- (c) The digested samples are then removed from the bath and bulked up to 10 ml total volume with demineralized water and thoroughly mixed.

- 2 -

3. Method of Analyses

The ICP analyses elements were determined by using a Jarrell-Ash ICAP model 9000 directly reading the spectrophotometric emissions. All major matrix and trace elements are interelement corrected. All data are subsequently stored onto disketts.

4. Analysts

The analyses were supervised or determined by Mr. Conway Chun or Mr. Raymond Chan and his laboratory staff.



Raymond Chan
VANGEOCHEM LAB LIMITED

Appendix II

ANALYSES

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO₃ to H₂O at 95 °C for 90 minutes and is diluted to 10 ml with water.
 This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST: *Ronald Lee*

REPORT #: 900578 PA

G.A. BLEILER

PROJECT: NONE GIVEN

DATE IN: SEPT 24 1990

DATE OUT: OCT 16 1990

ATTENTION: G.A. BLEILER

PAGE 1 OF 3

Sample Name	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
PIT NWLDRNER TR #1	<0.1	3.52	<3	342	<3	0.39	<0.1	18	72	239	2.89	0.12	0.70	466	46	0.04	189	0.06	47	<2	11	26	<5	<3	208
0+00 0+25E	<0.1	3.02	<3	438	<3	0.24	0.5	18	46	26	2.35	0.08	0.64	1662	11	0.03	51	0.22	<2	<2	12	18	<5	<3	206
0+00 0+50E	<0.1	4.41	<3	371	<3	0.20	0.2	18	38	23	2.71	0.10	0.61	1030	8	0.03	35	0.18	<2	<2	12	15	<5	<3	155
0+00 0+75E	<0.1	3.35	<3	532	<3	0.31	2.2	17	33	15	2.62	0.09	0.48	1715	10	0.04	33	0.24	<2	<2	11	19	<5	<3	348
0+00 1+00E	<0.1	4.58	<3	683	<3	0.26	0.5	19	51	25	2.87	0.11	1.43	836	11	0.04	69	0.14	<2	<2	12	15	<5	<3	285
0+00 1+25E	<0.1	4.59	<3	361	<3	0.26	1.0	16	36	24	2.45	0.10	0.82	523	7	0.04	38	0.23	<2	<2	11	16	<5	<3	241
0+00 1+50E	<0.1	4.08	<3	232	<3	0.25	3.1	17	31	20	2.41	0.09	0.48	474	10	0.04	57	0.11	<2	<2	9	18	<5	<3	469
0+00 1+75E	<0.1	3.36	<3	219	<3	0.54	11.3	15	38	12	2.47	0.10	0.65	515	9	0.04	44	0.02	<2	<2	9	26	<5	<3	472
0+00 2+00E	<0.1	3.73	<3	274	<3	0.24	1.5	16	31	16	2.26	0.08	0.39	595	8	0.03	24	0.16	<2	<2	10	17	<5	<3	283
0+00 2+27E	<0.1	3.67	<3	302	<3	0.25	4.1	16	34	26	2.32	0.09	0.48	284	10	0.05	29	0.14	<2	<2	10	19	<5	<3	703
0+00 0+25W	<0.1	3.14	<3	320	<3	0.21	<0.1	14	31	14	2.12	0.08	0.44	644	6	0.03	30	0.26	<2	<2	12	15	<5	<3	161
0+00 0+50W	<0.1	3.50	<3	296	<3	0.24	2.4	14	29	16	2.28	0.04	0.42	1327	9	0.01	27	0.18	<2	<2	14	19	<5	<3	196
0+00 0+75W	<0.1	3.09	<3	290	<3	0.30	2.3	15	36	16	2.64	0.06	0.58	1701	7	0.01	25	0.06	<2	<2	11	19	<5	<3	137
0+00 1+00W	<0.1	5.73	<3	229	<3	0.48	2.2	22	41	33	3.39	0.11	0.72	1316	12	0.03	36	0.07	<2	<2	15	35	<5	<3	137
1+00S 0+00E	<0.1	4.17	<3	383	<3	0.32	3.4	15	37	20	2.57	0.06	1.14	720	9	0.02	32	0.16	<2	<2	14	20	<5	<3	258
1+00S 0+25E	<0.1	4.31	<3	309	<3	0.23	2.9	17	43	26	2.77	0.06	0.90	453	13	0.02	29	0.10	<2	<2	13	16	<5	<3	198
1+00S 0+50E	<0.1	3.79	<3	301	<3	0.37	2.6	19	56	31	3.12	0.10	1.49	392	10	0.02	62	0.08	<2	<2	15	18	<5	<3	144
1+00S 0+75E	<0.1	5.76	<3	435	<3	0.69	4.3	25	86	25	3.60	0.13	2.43	1085	14	0.04	101	0.17	<2	<2	18	22	<5	<3	236
1+00S 1+00E	<0.1	5.00	<3	359	<3	0.85	6.7	13	51	18	2.58	0.11	2.44	1126	12	0.03	38	0.24	<2	<2	16	21	<5	<3	365
1+00S 1+25E	<0.1	3.35	<3	347	<3	0.23	7.5	12	29	15	2.21	0.04	0.54	914	8	0.03	44	0.30	<2	<2	13	18	<5	<3	670
1+00S 1+50E	<0.1	2.98	<3	213	<3	0.51	5.3	11	32	17	2.22	0.06	0.52	408	7	0.03	31	0.01	<2	<2	13	29	<5	<3	269
1+00S 1+75E	<0.1	3.48	<3	401	<3	0.20	5.4	11	30	19	2.10	0.04	0.34	606	9	0.02	23	0.34	<2	<2	13	17	<5	<3	426
1+00S 2+00E	<0.1	3.52	<3	549	<3	0.29	4.5	11	31	20	2.08	0.04	0.35	538	8	0.03	31	0.42	<2	<2	14	24	<5	<3	555
1+00S 0+25W	<0.1	3.22	<3	317	<3	0.30	1.9	16	36	14	2.91	0.07	0.54	1682	9	0.02	28	0.13	<2	<2	13	23	<5	<3	270
1+00S 0+50W	<0.1	2.93	<3	252	<3	0.27	4.4	12	34	11	2.25	0.06	0.44	808	11	0.04	17	0.08	156	<2	15	19	<5	<3	881
1+00S 0+75W	0.2	2.96	<3	407	<3	1.32	14.3	11	35	15	2.83	0.14	0.80	1601	10	0.05	23	0.19	503	<2	15	27	<5	<3	840
2+00S 0+00	<0.1	2.60	<3	336	<3	0.30	3.5	12	33	11	2.19	0.06	0.54	770	8	0.03	14	0.15	<2	<2	12	16	<5	<3	390
2+00S 0+50E	<0.1	2.86	<3	282	<3	0.22	2.6	12	32	16	2.00	0.05	0.56	450	7	0.02	19	0.13	<2	<2	14	15	<5	<3	220
2+00S 0+75E	<0.1	2.50	<3	275	<3	0.25	2.9	10	31	10	1.75	0.05	0.51	583	9	0.02	13	0.17	<2	<2	13	13	<5	<3	242
2+00S 1+00E	<0.1	1.72	<3	182	<3	0.41	4.9	8	33	15	1.59	0.06	0.42	531	8	0.03	17	0.02	<2	<2	11	23	<5	<3	166
2+00S 1+25E	<0.1	1.95	<3	310	<3	0.20	2.1	8	28	8	1.52	0.05	0.29	916	8	0.03	7	0.23	24	<2	13	14	<5	<3	330
0+00S 1+50E	<0.1	0.58	<3	106	<3	0.11	4.1	6	16	1	0.58	0.11	0.10	319	7	0.05	<1	0.07	51	16	9	6	<5	<3	126
2+00S 1+75E	0.1	4.11	<3	345	<3	0.27	4.5	13	31	25	2.23	0.06	0.47	446	8	0.03	22	0.20	<2	<2	12	19	<5	<3	387
2+00S 2+00E	0.2	3.80	<3	540	<3	0.31	3.2	10	27	16	1.91	0.05	0.33	476	6	0.03	14	0.44	<2	<2	11	28	<5	<3	422
2+00S 0+25W	<0.1	3.56	<3	314	<3	0.31	2.8	12	30	22	2.24	0.06	0.58	339	7	0.02	15	0.14	<2	<2	12	21	<5	<3	179
2+00S 0+50W	<0.1	2.91	<3	262	<3	0.46	2.8	11	34	16	2.48	0.08	0.56	706	5	0.02	14	0.06	<2	<2	14	21	<5	<3	193
2+00S 0+75W	<0.1	2.96	<3	356	<3	0.26	2.9	10	33	10	2.32	0.05	0.48	920	9	0.02	10	0.11	<2	<2	13	18	<5	<3	206
2+00S 1+00W	<0.1	3.35	<3	297	<3	0.29	2.6	13	40	20	2.61	0.06	0.63	564	7	0.02	17	0.16	<2	<2	12	18	<5	<3	175
2+00S 1+25W (A)	<0.1	2.88	<3	565	<3	0.39	3.0	13	35	9	2.36	0.06	0.57	1198	8	0.02	19	0.23	<2	<2	15	26	<5	<3	228

Minimum Detection 0.1 0.01 3 1 3 0.01 0.1 1 1 1 0.01 0.01 0.01 1 1 0.01 1 0.01 2 2 2 1 5 3 1
 Maximum Detection 50.0 10.00 2000 1000 1000 10.00 1000.0 20000 1000 20000 10.00 10.00 10.00 20000 1000 10.00 20000 10.00 20000 2000 1000 10000 100 1000 20000
 < - Less Than Minimum > - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO₃ to H₂O at 95 °C for 90 minutes and is diluted to 10 ml with water.
 This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST: *Ronald G.*

REPORT #: 900578 PA

G.A. BLEILER

PROJECT: NONE GIVEN

DATE IN: SEPT 24 1990

DATE OUT: OCT 16 1990

ATTENTION: G.A. BLEILER

PAGE 2 OF 3

Sample Name	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
2+00S 1+25W (B)	<0.1	3.32	<3	400	<3	0.27	0.4	15	36	18	2.34	0.09	0.49	743	9	0.03	36	0.18	<2	<2	13	20	<5	<3	188
2+00S 1+50W	<0.1	3.18	<3	468	<3	0.98	1.9	13	35	18	2.31	0.15	0.80	1486	9	0.04	30	0.32	54	<2	13	34	<5	<3	265
2+00S 1+75W	<0.1	4.39	<3	591	<3	0.98	3.5	19	51	30	3.19	0.18	1.88	940	13	0.05	51	0.14	21	<2	14	31	<5	<3	324
2+50S 0+25E	<0.1	4.60	<3	242	<3	0.30	0.9	16	35	20	2.44	0.10	0.52	385	11	0.04	29	0.13	<2	<2	15	18	<5	<3	230
2+50S 0+50E	<0.1	3.53	<3	312	<3	0.25	1.1	16	34	20	2.38	0.08	0.55	428	11	0.03	33	0.24	<2	<2	10	15	<5	<3	297
2+50S 0+75E	<0.1	3.57	<3	258	<3	0.40	2.6	15	41	20	2.56	0.10	0.73	366	7	0.04	46	0.04	<2	<2	13	23	<5	<3	285
2+50S 1+00E	<0.1	3.40	<3	330	<3	0.30	1.0	15	34	21	2.35	0.09	0.54	500	8	0.04	36	0.23	107	<2	12	19	<5	<3	440
2+50S 1+50E	<0.1	3.07	<3	328	<3	0.43	2.8	13	34	20	2.15	0.10	0.55	384	9	0.05	35	0.15	216	<2	9	19	<5	<3	593
2+50S 0+25W	<0.1	3.03	<3	241	<3	0.29	1.0	14	30	17	2.31	0.09	0.54	575	6	0.03	33	0.10	<2	<2	10	17	<5	<3	215
2+50S 0+50W	<0.1	3.00	<3	354	<3	0.37	1.1	13	30	14	2.14	0.09	0.54	747	6	0.03	33	0.20	<2	<2	11	21	<5	<3	198
2+50S 0+75W	<0.1	3.90	<3	334	<3	0.37	0.5	17	40	19	2.69	0.11	0.64	772	9	0.03	42	0.05	<2	<2	11	19	<5	<3	187
2+50S 1+00W	<0.1	2.93	<3	394	<3	0.37	0.8	14	36	12	2.30	0.10	0.47	1056	9	0.03	36	0.19	<2	<2	13	23	<5	<3	272
2+50S 1+25W	<0.1	3.53	<3	277	<3	0.32	1.6	15	38	20	2.32	0.09	0.51	290	10	0.04	38	0.14	117	<2	13	18	<5	<3	425
2+50S 1+50W	<0.1	2.82	<3	310	<3	0.32	0.7	15	37	13	2.41	0.09	0.57	725	10	0.03	34	0.08	<2	<2	12	18	<5	<3	195
3+00S 0+25E	<0.1	3.06	<3	225	<3	0.26	0.7	14	34	14	2.36	0.08	0.39	493	10	0.04	39	0.20	<2	<2	12	15	<5	<3	249
3+00S 0+50E	0.2	2.88	<3	236	<3	0.57	4.1	15	43	37	2.37	0.11	0.63	649	10	0.05	48	0.03	27	<2	12	28	<5	<3	361
3+00S 0+75E	<0.1	1.96	<3	258	<3	0.25	1.0	12	30	11	1.98	0.07	0.44	503	8	0.03	31	0.13	109	<2	11	15	<5	<3	309
3+00S 1+00E	0.2	3.14	<3	320	<3	0.29	3.2	14	33	14	2.23	0.08	0.47	582	8	0.04	34	0.23	76	<2	13	17	<5	<3	483
3+00S 1+25E	<0.1	2.53	<3	361	<3	0.35	4.3	12	30	15	2.05	0.09	0.39	793	8	0.03	31	0.19	103	<2	10	19	<5	<3	431
3+00S 1+50E	<0.1	3.24	<3	353	<3	0.32	0.6	14	34	30	2.21	0.09	0.49	397	9	0.04	43	0.13	114	<2	10	19	<5	<3	369
3+00S 0+25W	<0.1	2.80	<3	218	<3	0.29	0.5	15	37	16	2.36	0.09	0.55	515	7	0.02	43	0.06	<2	<2	10	16	<5	<3	165
3+00S 0+50W	<0.1	3.39	<3	340	<3	0.40	0.1	16	41	14	2.62	0.11	0.59	1029	8	0.03	42	0.14	<2	<2	11	20	<5	<3	234
3+00S 0+75W	<0.1	2.80	<3	225	<3	0.32	0.3	15	36	15	2.38	0.10	0.53	701	7	0.03	40	0.06	<2	<2	11	17	<5	<3	179
3+00S 1+00W	<0.1	3.21	<3	374	<3	0.48	0.2	16	38	16	2.50	0.11	0.57	1286	9	0.03	41	0.10	<2	<2	11	20	<5	<3	257
3+00S 1+25W	<0.1	3.50	<3	305	<3	0.49	0.6	17	39	16	2.72	0.13	0.71	1184	11	0.04	47	0.07	<2	<2	10	20	<5	<3	256
3+00S 1+50W	<0.1	3.83	<3	245	<3	0.38	0.4	18	43	19	2.95	0.13	0.73	762	9	0.03	46	0.05	<2	<2	12	19	<5	<3	198
4+00S 0+25E	<0.1	2.73	<3	275	<3	0.73	2.1	13	34	37	2.11	0.10	0.51	895	7	0.04	43	0.03	22	<2	11	33	<5	<3	245
4+00S 0+50E	<0.1	2.91	<3	211	<3	0.57	7.2	13	33	30	2.09	0.10	0.45	1158	6	0.05	46	0.03	68	<2	9	30	<5	<3	425
4+00S 0+75E	<0.1	3.14	<3	604	<3	0.39	12.3	12	27	11	2.12	0.09	0.44	1007	5	0.07	58	0.47	225	<2	10	24	<5	<3	1198
4+00S 1+00E	<0.1	3.24	<3	389	<3	0.33	5.2	14	30	19	2.33	0.10	0.54	990	7	0.05	48	0.20	314	<2	9	18	<5	<3	824
4+00S 1+25E	<0.1	2.85	<3	352	<3	0.27	1.8	13	31	20	2.22	0.09	0.55	516	6	0.04	45	0.14	56	<2	8	16	<5	<3	403
4+00S 0+25W	<0.1	3.60	<3	373	<3	0.37	<0.1	15	36	13	2.40	0.10	0.51	1104	6	0.03	46	0.15	<2	<2	11	19	<5	<3	286
4+00S 0+50W	<0.1	3.52	<3	351	<3	0.45	<0.1	15	36	11	2.42	0.11	0.50	1904	7	0.03	46	0.16	<2	<2	9	21	<5	<3	277
4+00S 0+75W	<0.1	3.58	<3	267	<3	0.33	<0.1	15	34	12	2.56	0.11	0.57	691	6	0.03	48	0.08	<2	<2	8	16	<5	<3	226
4+00S 1+00W	<0.1	3.99	<3	391	<3	0.46	<0.1	17	38	15	2.70	0.13	0.63	864	8	0.04	54	0.13	<2	<2	11	21	<5	<3	288
4+00S 1+25W	<0.1	4.26	<3	356	<3	0.38	<0.1	16	36	12	2.74	0.12	0.55	996	7	0.03	44	0.14	<2	<2	7	19	<5	<3	248
4+00S 1+50W	<0.1	3.98	<3	406	<3	0.37	<0.1	18	41	17	2.79	0.13	0.61	1348	7	0.04	50	0.13	<2	<2	10	20	<5	<3	227
4+00S 1+75W	<0.1	4.08	<3	291	<3	0.36	0.2	18	40	21	2.78	0.12	0.64	744	7	0.03	51	0.08	<2	<2	9	19	<5	<3	198
5+00S 0+25E	<0.1	3.57	<3	272	<3	0.29	2.4	15	29	14	2.15	0.08	0.41	551	6	0.04	41	0.16	<2	<2	9	17	<5	<3	529

Minimum Detection 0.1 0.01 3 1 3 0.01 0.1 1 1 1 0.01 0.01 0.01 1 1 0.01 1 0.01 2 2 2 1 5 3 1
 Maximum Detection 50.0 10.00 2000 1000 1000 10.00 1000.0 20000 1000 20000 10.00 10.00 10.00 20000 1000 10.00 20000 10.00 20000 2000 1000 10000 100 1000 20000
 < - Less Than Minimum > - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO₃ to H₂O at 95 °C for 90 minutes and is diluted to 10 ml with water.
 This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST: *[Signature]*

REPORT #: 900578 PA

G.A. BLEILER

PROJECT: NONE GIVEN

DATE IN: SEPT 24 1990

DATE OUT: OCT 16 1990

ATTENTION: G.A. BLEILER

PAGE 3 OF 3

Sample Name	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sn ppm	Sr ppm	U ppm	W ppm	Zn ppm	
5+00S 0+50E	<0.1	2.11	<3	228	<3	1.44	8.5	7	29	41	1.39	0.12	0.32	1026	8	0.04	27	0.06	20	<2	6	45	<5	<3	187	
5+00S 0+75E	<0.1	2.67	<3	389	<3	0.32	5.0	13	31	17	2.13	0.07	0.43	897	11	0.04	25	0.22	63	<2	9	18	<5	<3	585	
5+00S 1+00E	<0.1	4.05	<3	>1000	<3	0.65	9.4	18	44	136	3.22	0.14	0.82	697	12	0.07	74	0.37	<2	<2	11	50	<5	<3	766	
5+00S 0+25W	<0.1	3.94	<3	327	<3	0.24	2.0	14	32	19	2.08	0.06	0.37	1011	13	0.04	27	0.22	<2	<2	10	20	<5	<3	227	
5+00S 0+50W	<0.1	3.22	<3	348	<3	0.23	1.9	14	34	17	2.33	0.07	0.49	1090	9	0.03	34	0.15	<2	<2	9	16	<5	<3	243	
5+00S 0+75W	<0.1	3.95	<3	303	<3	0.28	2.6	16	39	22	2.48	0.09	0.51	606	10	0.04	40	0.17	<2	<2	9	18	<5	<3	207	
5+00S 1+00W	<0.1	3.74	<3	292	<3	0.24	1.8	17	42	22	2.51	0.07	0.50	853	13	0.04	38	0.14	<2	<2	10	17	<5	<3	174	
5+00S 1+25W	<0.1	3.16	<3	339	<3	0.35	1.9	16	39	20	2.45	0.09	0.52	1074	9	0.03	30	0.20	<2	<2	9	20	<5	<3	215	
5+00S 1+50W	<0.1	3.47	<3	345	<3	0.30	1.8	17	48	18	2.60	0.09	0.61	709	11	0.03	41	0.15	<2	<2	10	18	<5	<3	201	
5+00S 1+75W	<0.1	3.14	<3	268	<3	0.27	1.8	17	46	25	2.64	0.09	0.71	499	9	0.03	41	0.08	<2	<2	8	16	<5	<3	145	
TRUMAN BL 0+00	<0.1	3.83	<3	245	<3	0.13	2.0	14	28	20	2.10	0.04	0.47	974	10	0.03	28	0.22	<2	<2	10	15	<5	<3	155	
TRUMAN BL 1+50S	<0.1	3.41	<3	275	<3	0.32	4.7	15	35	17	2.54	0.07	0.71	773	11	0.07	29	0.17	57	<2	11	18	<5	<3	1030	
TRUMAN BL 1+75S	<0.1	2.94	<3	386	<3	0.93	7.1	11	27	18	2.12	0.12	0.62	2021	10	0.05	22	0.25	36	<2	10	27	<5	<3	626	
TRUMAN BL 2+25S	<0.1	3.67	<3	304	<3	0.27	3.1	15	34	19	2.33	0.07	0.51	1039	10	0.04	31	0.14	<2	<2	10	19	<5	<3	272	
TRUMAN BL 2+50S	<0.1	3.51	<3	276	<3	0.28	2.6	15	36	29	2.51	0.07	0.66	379	10	0.04	37	0.14	<2	<2	10	19	<5	<3	213	
TRUMAN BL 2+75S	<0.1	2.79	<3	362	<3	0.27	2.9	13	27	15	2.10	0.05	0.43	1216	9	0.04	20	0.23	<2	<2	9	17	<5	<3	262	
TRUMAN BL 3+00S	<0.1	3.96	<3	254	<3	0.20	1.2	16	35	22	2.37	0.06	0.50	357	9	0.04	27	0.11	<2	<2	11	17	<5	<3	151	
TRUMAN BL 3+25S	<0.1	2.64	<3	327	<3	0.21	2.2	14	30	15	2.02	0.05	0.42	1418	7	0.04	26	0.18	<2	<2	8	18	<5	<3	218	
TRUMAN BL 3+50S	<0.1	3.59	<3	356	<3	0.23	3.5	15	31	21	2.18	0.06	0.42	759	9	0.04	26	0.24	<2	<2	9	20	<5	<3	253	
TRUMAN BL 3+75S	<0.1	3.28	<3	340	<3	0.17	2.2	12	27	16	1.92	0.04	0.34	861	8	0.04	24	0.27	<2	<2	9	17	<5	<3	316	
TRUMAN BL 4+00S	0.2	3.35	<3	314	<3	0.19	2.2	14	30	24	2.00	0.06	0.39	637	8	0.04	26	0.26	<2	<2	9	16	<5	<3	277	
TRUMAN BL 4+25S	0.1	2.96	<3	482	<3	0.17	2.3	13	28	17	1.93	0.04	0.35	1490	8	0.05	20	0.28	<2	<2	9	17	<5	<3	429	
TRUMAN BL 4+50S	0.1	3.53	<3	437	<3	0.19	2.1	15	32	21	2.23	0.05	0.47	926	10	0.04	35	0.23	<2	<2	8	17	<5	<3	282	
TRUMAN BL 4+75S	<0.1	3.43	<3	342	<3	0.17	2.1	14	29	18	2.15	0.05	0.40	1278	9	0.04	29	0.29	<2	<2	9	17	<5	<3	315	
TRUMAN BL 5+00S	0.1	3.93	<3	341	<3	0.17	2.0	15	32	23	2.19	0.05	0.41	666	8	0.04	27	0.23	<2	<2	10	16	<5	<3	257	
2+00S 0+25E	<0.1	3.49	<3	278	<3	0.25	5.0	15	31	20	2.27	0.05	0.55	717	10	0.06	27	0.16	<2	<2	9	18	<5	<3	681	
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1	
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000	
< - Less Than Minimum > - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.																										

Appendix III

EXPENDITURE

EXPENDITURES

G.A. Bleiler	5 days @ \$150	\$ 750.00
J.W. MacLeod	5 days @ \$200	1000 00
Vehicle	5 days @ \$65	325.00
Motel		146.88
Meals		95.35
Groceries		70.51
Gas		125.64
Supplies & printing		63.79
Assaying		780.00
Report preparation	3 days @ \$200	<u>600.00</u>
		\$ <u>3957.17</u>

Appendix IV

ENGINEER'S CERTIFICATE

CERTIFICATE

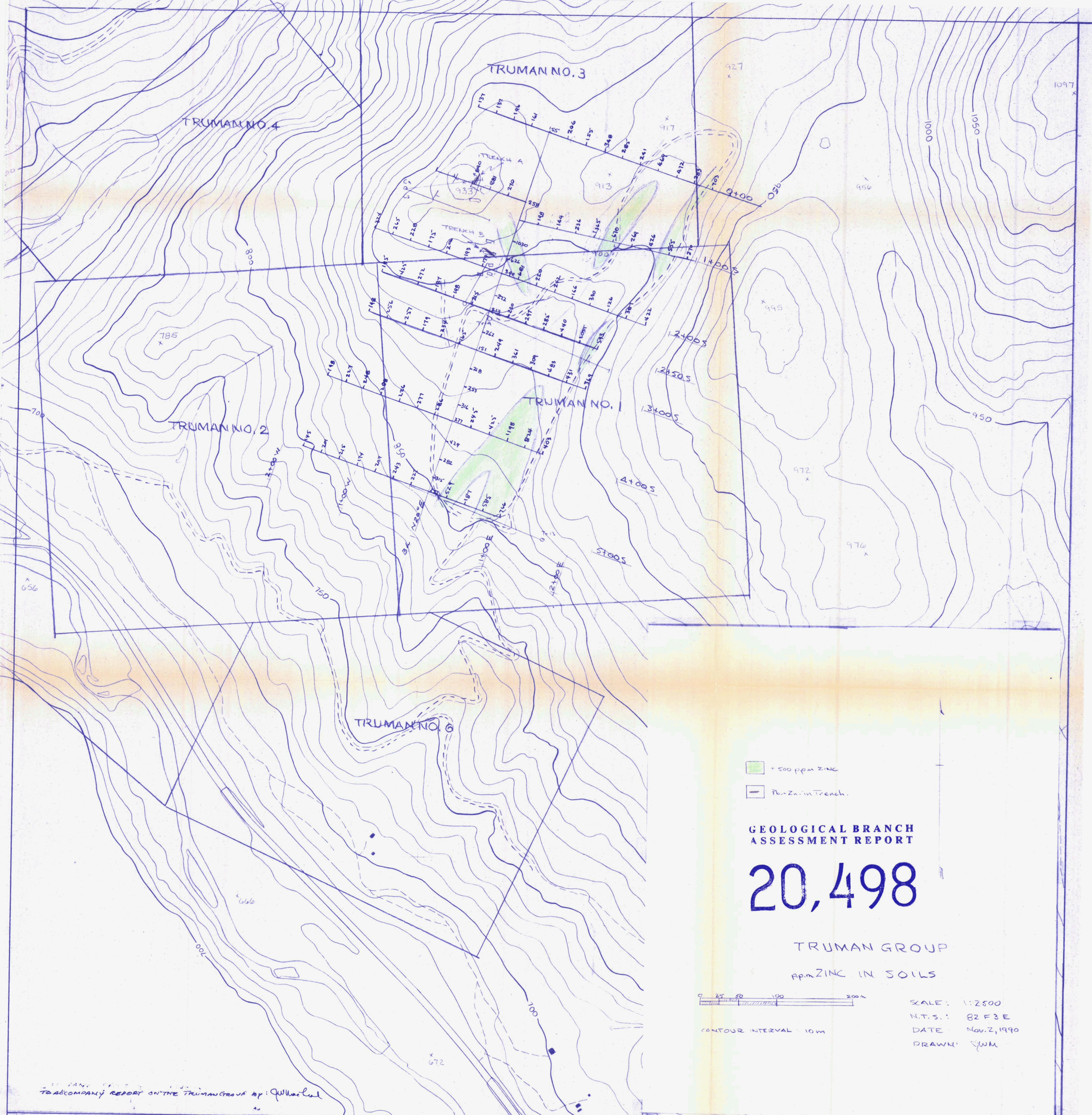
I, James W. MacLeod, of 1220 Arbutus Street, in the City of Vancouver, in the Province of British Columbia, DO HEREBY CERTIFY:

1. That I am a Consulting Engineer, with a business address at 1220 Arbutus Street, in the City of Vancouver, in the Province of British Columbia.
2. That I am a graduate of the University of Alberta with the degree of B.Sc. in Mining Engineering.
3. That I have actively practiced my profession in mineral exploration since graduation in 1946.
4. That I am a registered Professional Engineer in the Province of British Columbia.
5. That this report is based on field work carried out on the property by the writer and the joint owner B.A. Bleiler between September 18 and September 22, 1990.
6. That I own a fifty percent interest in the Truman Group.



J.W. MacLeod, B.Sc., P.Eng.

Dated at the City of Vancouver, Province of British Columbia, this 7th day of November, 1990.

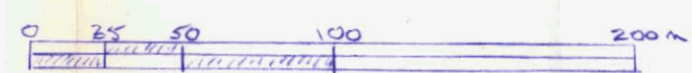


- + 500 ppm ZINC
- Ben-Zaim Trench.

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

20,498

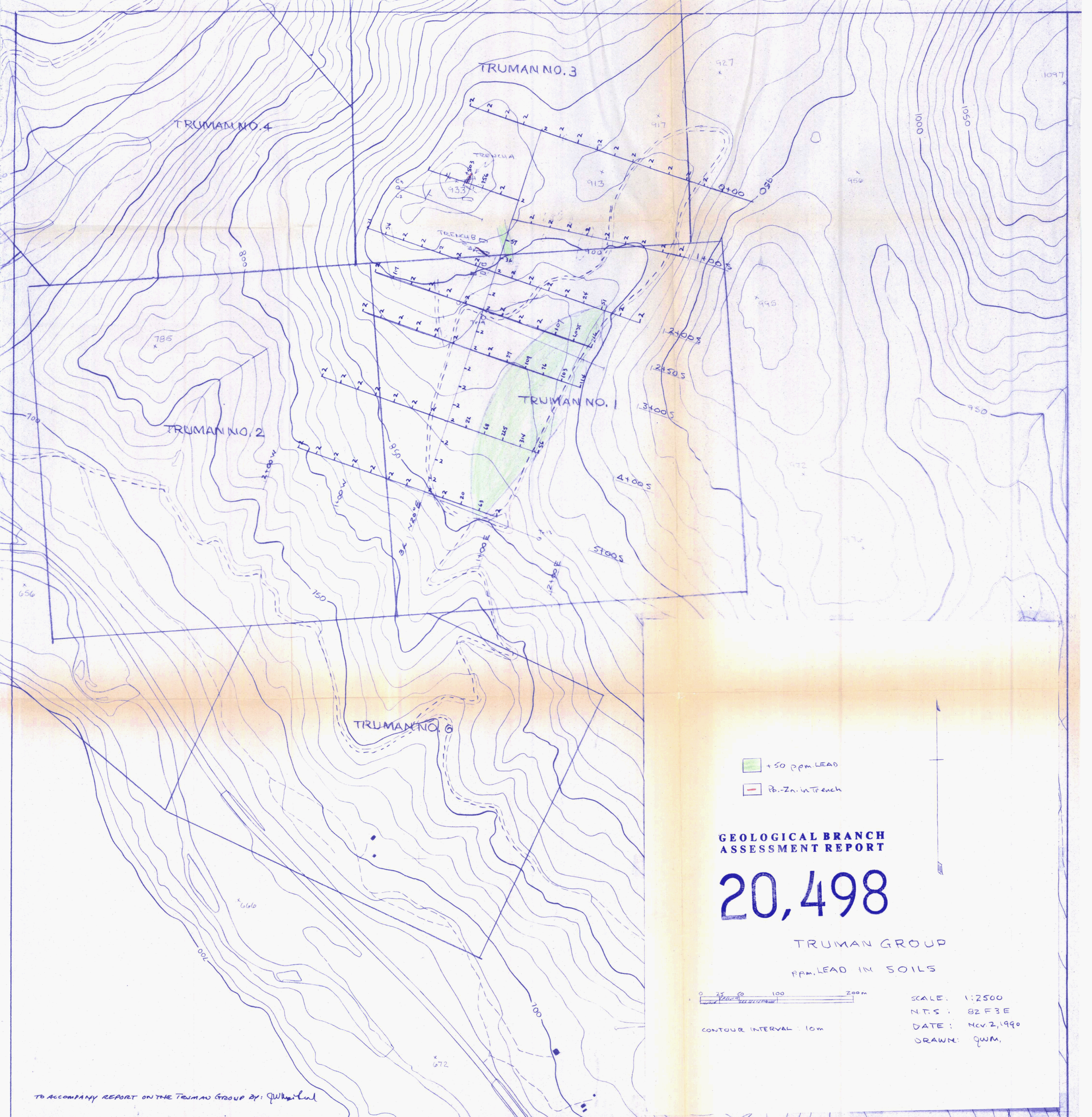
TRUMAN GROUP
ppm ZINC IN SOILS



CONTOUR INTERVAL: 10m

SCALE: 1:2500
N.T.S.: 82 F3 E
DATE: Nov. 2, 1990
DRAWN: SWM

TO ACCOMPANY REPORT ON THE TRUMAN GROUP BY: J. MacLeod



- +50 ppm LEAD
- Pb-Zn in Trench

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

20,498

TRUMAN GROUP
PPM. LEAD IN SOILS



CONTOUR INTERVAL: 10m

SCALE: 1:2500
N.T.S.: 82 F3E
DATE: Nov. 2, 1990
DRAWN: QWM.

TO ACCOMPANY REPORT ON THE TRUMAN GROUP BY: *John H. ...*