

~~79-#484-#7564~~
GEOLOGY AND GEOCHEMISTRY

RUMPLESTILTSKIN #1-5, CEASAR, NOT ALL THERE
WILLY'S FIRST MINERAL CLAIM

NTS 103 F/8W

Latitude 53° 21' N Longitude 132° 20' W

OWNER: Gordon G. Richards

OPERATOR: Prism Resources Ltd.

CONTRACTOR: JMT Services Corp.

WRITTEN BY: Gordon G. Richards, P.Eng.
James S. Christie, Ph.D.

SUBMITTED: November 1, 1979

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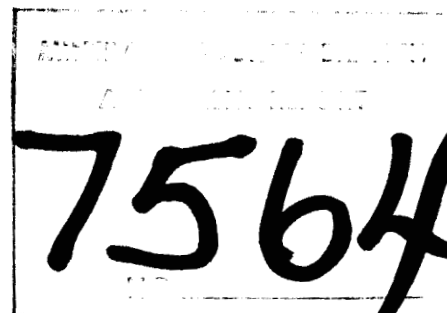


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INTRODUCTION

The claims cover an extension of a west north-west trending mineralized belt that has been traced for over 10 km from Gospel Point on Rennel Sound for the Courte Sb-Au Prospect on Upper Riley Creek. The current programme which consisted of grid soil sampling, geological mapping and rock chip sampling was planned to attempt to locate an anomalous geochem pattern over the claims. Reconnaissance geochem sampling in 1978 provided anomalous Au-As-Hg geochem from base of slope silts.

Surveys on a scale of 1:5000 were done utilizing hipchain, compass, barometer and a topographic enlargement for control. Geochem lines were spaced 150 metres apart with samples collected 50 to 70 metres apart. Soil samples were collected by auger at depths up to 1 m beneath surface and rock chip samples were taken from most of the mineralized outcrops found.

Results of the work programme have indicated a zone 2000 metres long by 150 metres wide of strong alteration and anomalous gold-arsenic geochem. As the current programme used a coarse sampling grid, a detailed sampling programme over the anomalous zone is proposed.

LOCATION AND ACCESS

The property is located on a hill south of the headwaters of Riley Creek and the upper drainage of Phantom Creek northwest of Yakoun Lake, Graham Island, Queen Charlotte Islands.

The property is readily accessible by all weather private logging roads connecting Queen Charlotte City and Rennel Sound. These roads are open to the general public after working hours and on weekends or by special arrangement. The anomalous zone described below crosses the road at an oblique angle and is nowhere more than 400 metres from the road.

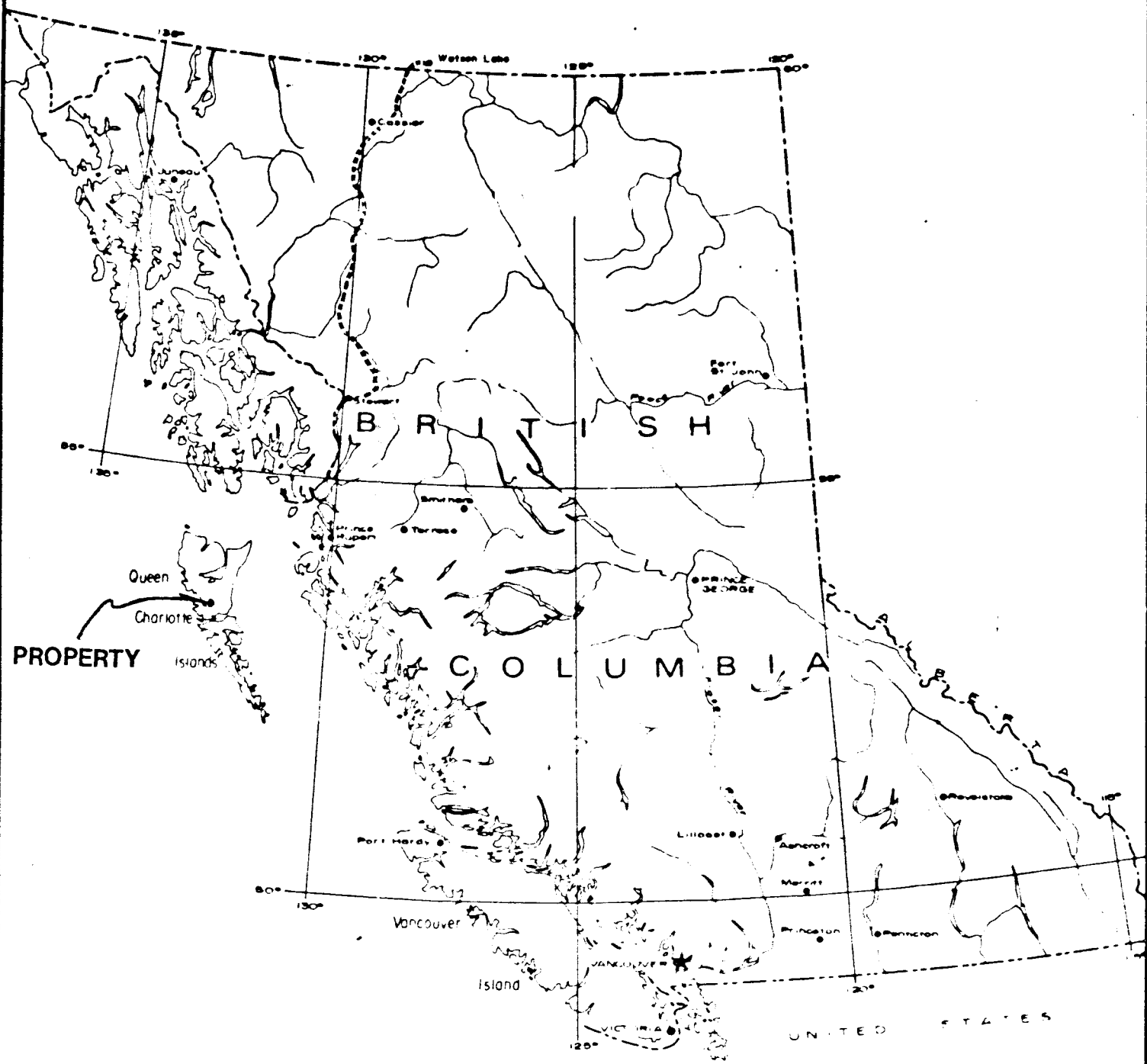


FIGURE 3

PROPERTY LOCATION MAP

SCALE
 Mile 1136 0 136 Mile

Prepared by	Date	NTS MAP AREA	DRAWING No
Drawn by	Revised.		

TOPOGRAPHY AND VEGETATION

Elevations on the claim group range from 900 ft above sea level along the upper drainage of Phantom Creek to 1900 ft on the hill to the northwest. Valley bottoms and ridge top are covered in mixed cypress-pine swamps and mature hemlock-spruce forest. Hill slopes are heavily timbered with hemlock-spruce-cedar. Overburden is relatively thin, generally less than 5 metres except in the valley bottom where depths of as much as 30 metres are estimated. Outcrop is rare on the ridges and sparse on the valley floor occurring only along some sections of the larger creeks. Nearly continuous exposure of bedrock exists in the numerous creeks draining the hill slopes up to an elevation of about 1400 ft. Above this elevation creeks have not developed and outcrops are few.

MINERAL CLAIMS

The property consists of the eight claims listed below:

	<u>Record No.</u>	<u>Units</u>
RUMPLESTILTSKIN #1	655 (7)	4
#2	656 (7)	9
#3	657 (7)	4
#4	1184 (3)	8
#5	1185 (3)	6
CEASAR	764 (9)	2
NOT ALL THERE	763 (9)	8
WILLY'S FIRST	617 (6)	<u>4</u>
	Total	41

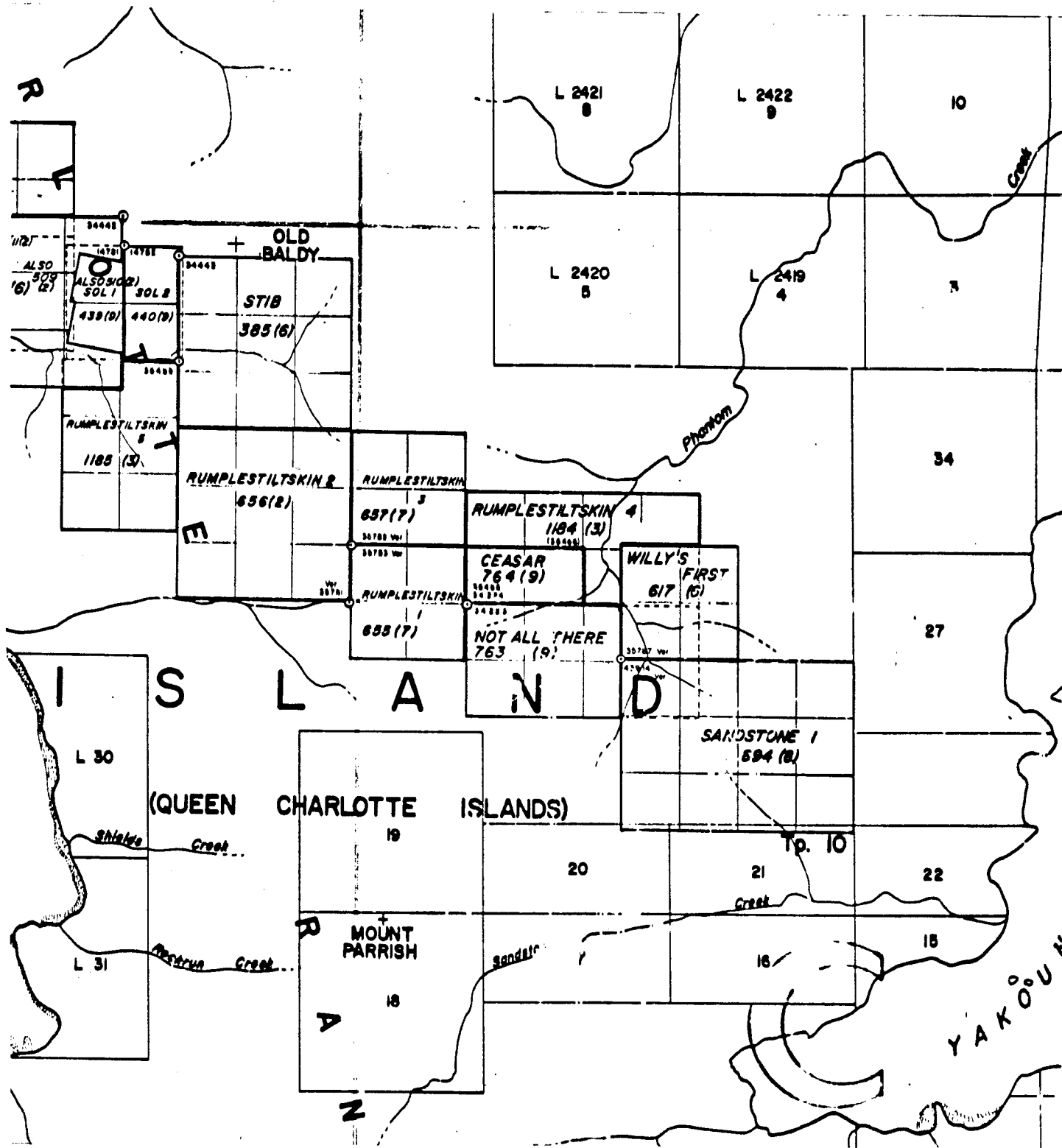


FIGURE 4
CLAIM MAP

GEOLOGY

General:

The geology is very much as described by Sutherland-Brown in B.C. Dept. of Mines Bulletin #54. Rocks of the Yakoun Formation of Jurassic age outcrop on the hill between the headwaters of Riley and Phantom creeks. They are divisible into two mappable units: andesitic flows and pyroclastics; and argillaceous dacitic to rhyolitic tuffs with some argillites, siltstones, sandstones and minor conglomerates. Carbonaceous material is common in the sediments.

South of the headwaters of Phantom Creek rocks of the Longarm Formation of Cretaceous age outcrop down to the road or possibly as far as the east flowing tributary to Phantom Creek. They are calcareous siltstones and sandstones recognized in a few outcrops by the characteristic fossil *Inoceramus*.

The 2200 foot high hill at the east end of the property is underlain by porphyritic andesite of the Tertiary Masset Formation. Float of similar material is abundant on the hill south of the road above the area underlain by Longarm Formation. The east end of the hill north of the road is underlain by porphyritic andesite that also may be Masset Formation.

Small quartz feldspar porphyry dykes, not mapped, occur in the sedimentary part of the Yakoun Formation in two altered zones - one by the road and the other at the northwest end of the property.

Structure:

Two faults were mapped at the west end of the property that roughly parallel the major Riley Fault System. The Longarm Formation is probably in contact with the Yakoun Formation along a major east-west or west northwest trending fault. The alteration pattern in this area also appears to be affected by such a fault that may be a control of mineralization.

Bedding attitudes are steep, have a general northwest trend but change to a more northerly attitude in the Longarm Formation.

Alteration and Mineralization:

Two clay-carbonate-silica alteration zones with accompanying disseminated and fracture pyrite occur on the property. Both zones contain a few quartz feldspar porphyry dykes. One zone, occurring along the northern boundary of the claims in a tuff-sediment sequence, is 300 metres wide by 800 metres long. The other zone, along the road in the southern part of the claims, occurs in a similar tuffaceous sedimentary package but also occurs in calcareous siltstone of the Longarm Formation. This zone has local tourmalinization (C616) and more pronounced zones of silicification. Carbonate has been destroyed in the silica zones. This second alteration zone is 100 to 200 metres wide and 2000 metres long. The zone may be open to the west but weakens to the east.

GEOCHEMISTRY

The property was staked in 1978 in the belief that the mineralized Riley Fault System extended on to this ground. Subsequently silt samples were collected along the base of slopes on the claim group. They provided Au-As and minor Hg anomalies to indicate the property worthy of a proper evaluation. Subsequent samples were also analyzed for Ag, Zn and Pb. A property evaluation in 1978 by Joe Shearer of McIntyre Mines produced an assay of 0.56 oz/Ton Au somewhere near C571. A piece of float collected near C598 in 1978 ran 1400 ppb Au.

The 1979 programme collected 530 soils and rock chips on lines spaced 150 metres apart with sample sites spaced 50 - 70 metres apart. Rock chip samples were made up from three to ten rock chips, were small enough to fit into standard kraft sample bags and are therefore only preliminary in nature. Silt samples were collected with a spoon from active silt in creeks. Soil samples were collected from the B horizon which occurred from 1 cm to 10 cm beneath the A-horizon except in some areas on the ridges and valley floor. Here samples were made up from mixed A and B horizons and some from just A horizon.

All geochemical analyses were done on the minus 80 mesh fraction by Bondar Clegg & Co., Ltd., 1500 Pemberton Ave., North Vancouver, using the following standard procedures:

Arsenic: Perchloric Nitric - Colermetric

Mercury: Controlled Aqua Regia - Closed Cell Atomic Absorption

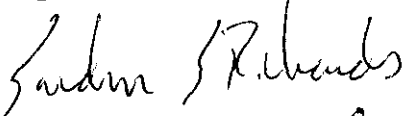
Gold: Fire Assay and Hot Aqua Regia - Atomic Absorption

The two alteration zones described above contain anomalous arsenic-gold geochem. Spot highs for gold and (or) arsenic occur elsewhere on the property. The northern zone is probably of less merit because it is principally an arsenic geochem high whereas the southeastern zone lying along the road contains both gold and arsenic anomalous geochem in rocks and soils. The gold values are similar to and the arsenic values higher than the Courte Au-Sb showing northwest of the property. The occurrence of .04 oz/Ton Au over 300 feet at Courte in a similar style alteration zone makes this zone on the property worthy of a more detailed evaluation particularly since the sample spacing is so coarse. Vertical zoning of gold should be considered when considering drill targets.

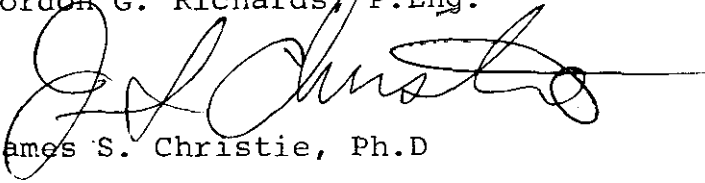
CONCLUSIONS AND RECOMMENDATIONS

A programme of soil and rock chip sampling on a 1000 m by 400 m grid with lines spaced 50 cm apart and sample intervals at 25 m is proposed. The grid area covers the western half of the Au-As geochem anomaly discovered earlier in the year. The eastern 1000 m of the anomaly is covered in swamp and since preliminary soils did not respond over this zone it is proposed to map and sample outcrops in the few creeks cutting the swamp and await results of this programme before planning further exploration in this area.

Respectfully submitted,



Gordon G. Richards, P.Eng.



James S. Christie, Ph.D

ITEMIZED STATEMENT OF COSTS

August 20 - November 1, 1978:

Sampling

W.A. Howell - 2 days @ \$150/day	300.00
Food - 2 days @ \$20/day	40.00
Truck Rental	50.00
Airfare - Vancouver-Sandspit-return	150.00
Geochem: 22 samples @ \$150 each	330.00
7 samples @ \$11 each	77.00
	<u>947.00</u>
	\$ 947.00

July 13 - September 1, 1979:

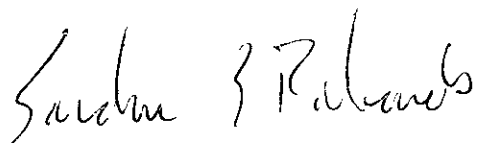
Geological Mapping and Sampling

G.G. Richards - 9 days @ \$150/day	1,350.00
J.S. Christie - 5 days @ \$150/day	750.00
C. Harivel - 2 days @ \$150/day	300.00
S. Hardy - 5 days @ \$ 65/day	325.00
Food - 21 days @ \$20/day	420.00
Truck - 9 days @ \$50/day	450.00
Supplies	300.00
Airfare - 3 return fares-Vancouver-Sandspit @ \$150 each	450.00
Helicopter - moving camp in and out	518.10
Shipping	8.61
Geochem	4,655.85
Vancal Enlargements	422.65
Phone	37.04
Motel	53.49
Report	600.00
Drafting and typing	320.00
	<u>10,960.74</u>
TOTAL	<u>\$11,907.74</u>

STATEMENT OF QUALIFICATIONS

I, Gordon G. Richards of Vancouver, British Columbia
do hereby certify that,

1. I am a Professional Engineer of British Columbia
residing at 818 West 68th Avenue, Vancouver, British
Columbia, V6P 2V2.
2. I am a graduate of the University of British Columbia,
B.A.Sc. - 1968; M.A.Sc. - 1974.
3. I have practiced my profession as a mining exploration
geologists continuously since 1968.



Gordon G. Richards, P.Eng.

November 1, 1979

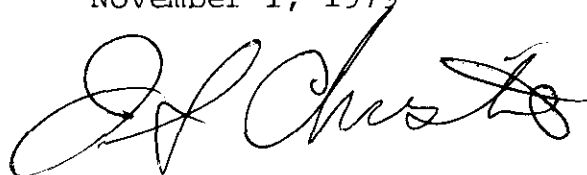
STATEMENT OF QUALIFICATIONS

I, James S. Christie of Vancouver, British Columbia
do hereby certify that,

1. I am a Professional Geologist residing at 3921 W. 31st
Ave., Vancouver, B.C. V6S 1Y4.
2. I am a graduate of the University of British Columbia
B.Sc. Honours Geology - 1965, Ph.D. Geology - 1973.
3. I have practiced my profession as a mining exploration
geologist, continuously since 1965.
4. I am a Fellow of the Geological Association of Canada.
5. I am a Member of the Geological Society of America.

James S. Christie, Ph.D.

November 1, 1979

A handwritten signature in cursive script, appearing to read "J. S. Christie".

APPENDIX

GEOCHEM RESULTS

Geochemical Lab Report

Extraction As; Perchloric Nitric
Au; Fire Assay & Hot Aqua Regia
Method As; Colorimetric
Au; Atomic Absorption

Report No. 29 - 1197

From JIT Services Corp.

Fraction Used _____

Date August 15 19 79

SAMPLE NO.	As ppm	Au PPB			SAMPLE NO.				
79R 1141 ROCKS	10	< 5							
1142	7	5							
1143	14	< 5							
1144	10	< 5							
1145	7	5							

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Geochemical Lab Report

Report No. 29 - 1059

Page No. 3

SAMPLE NO.	Ag ppm	Au ppb			SAMPLE NO.				
79C - 1079	13	< 5							
1080	13	10							
1081	10	< 5							
1082	23	< 5							
1083	20	< 5							
1084	26	< 5							
79C - 616 ROCKS	17	< 5							
617	7	< 5							
649	< 2	< 5							
1035	7	< 5							
1057	>1000	15							
1067	59	< 5							
1085	>1000	185							
1086	500	10							
1087	40	< 5							
1088	>1000	145							
1089	200	5							
1090	>1000	90							
1091	220	< 5							
1092	180	< 5							

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Geochemical Lab Report

Report No. 29 - 1059

Page No. 2

SAMPLE NO.	As ppm	Au ppb			SAMPLE NO.	As ppm	Au ppb		
79C - 633	50	5			79C - 1042	12	< 5		
634	40	< 5			1043	6	< 5		
635	12	< 5			1044	30	< 5		
636	68	< 5			1045	6	< 5		
637	21	< 5			1046	7	10		
638	11	< 5			1047	10	< 5		
639 ✓	14	15			1048	10	< 5		
640	12	5			1049	50	< 5		
641	11	< 5			1050	18	10		
642	11	30			1051	11	< 5		
643	20	< 5			1052	27	< 5		
644	7	<20*			1053	12	< 5		
645	6	10			1054	21	5		
646	6	15			1055	5	< 5		
647	17	5			1056	700	< 5		
648	23	< 5			1058	21	< 5		
650	12	10			1059	50	< 5		
651	10	< 5			1060	10	5		
652	7	< 5			1061	23	5		
653	12	< 5			1062	9	< 5		
654	10	< 5			1063	52	< 5		
655	7	10			1064	14	< 5		
1028	16	< 5			1065	50	< 5		
1029	19	< 5			1066	26	< 5		
1030	12	< 5			1068	22	< 5		
1031	13	< 5			1069	58	5		
1032	26	5			1070	53	< 5		
1033	12	< 5			1071	54	< 5		
1034	7	< 5			1072	12	< 5		
1036	10	< 5			1073	8	< 5		
1037	6	5			1074	8	< 5		
1038	24	< 5			1075	7	< 5		
1039	12	10			1076	7	< 5		
1040	10	< 5			1077	8	< 5		
1041	13	10			1078	13	< 5		

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Geochemical Lab Report

on As; Perchloric Nitric
Au; Fire Assay & Hot Aqua Regia
As; Colorimetric
Au; Atomic Absorption

Report No. 29 - 1059
 From JMT Services

Used _____ Date August 7, 19 79

MPLE NO.	As ppm	Au ppb		SAMPLE NO.	As ppm	Au ppb		
C - 526	13	35		75C - 601	13	< 5		
571	14	40		602	21	5		
572	21	35		603	20	5		
573	10	10		604	23	5		
574	22	10		605	13	40		
575	21	15		606	18	< 5		
577	10	30		607	9	< 5		
578	8	5		608	7	45		
579	7	35		609	7	< 5		
580	12	10		610	14	5		
581	6	5		611	13	< 5		
582	7	25		612	6	5		
583	5	70		613	5	< 5		
584	160	20		614	6	< 5		
585	20	5		615	19	< 5		
586	220	5		618	12	10		
587	53	5		619	12	5		
588	650	5		620	13	< 5		
589	57	15		621	11	< 5		
590	8	5		622	24	5		
591	6	< 5		623	13	15		
592	20	< 5		624	11	5		
593	48	< 5		625	7	< 5		
594	13	< 5		626	22	< 5		
595	13	< 5		627	23	< 5		
596	20	5		628	11	5		
597	6	5		629	25	< 5		
598	27	< 5		630	14	< 5		
599	23	< 5		631	62	< 5		
600	25	10		632	20	< 5		

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Geochemical Lab Report

Report No. 29 - 970

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SAMPLE NO.	Ag ppm	Au ppb			SAMPLE NO.			
79S - 132	< 2	< 5						
137	2	< 5						
139	4	< 5						
149	116	< 5						
150	300	< 5						
151	28	< 5						
155	10	< 5						
156	28	< 5						
161	3	< 5						
162	6	< 5						
174	10	< 5						
184	12	< 5						
192	< 2	< 5						
199	12	< 5						
200	11	< 5						
201	15	< 5						
208	9	< 5						
214	53	< 5						
218	3	< 5						
227	6	< 5						
229	2	< 5						
230	9	< 5						
231	10	< 5						
258	4	< 5						
268	9	< 5						

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Geochemical Lab Report

Report No. 29 -970

Page No. 6

SAMPLE NO.	As ppm	Au ppb			SAMPLE NO.	As ppm	Au ppb		
79S - 712 -20M	3	<20*			79R - 827 ✓	22	< 5		
713	10	< 5			829 ✓	260	45		
215	14	< 5			834 ✓	4	< 5		
216	13	< 5			837 ✓	5	< 5		
217	4	< 5			840 ✓	2	< 5		
219	6	< 5			856 ✓	7	< 5		
220	20	< 5			857 ✓	< 2	< 5		
221	48	< 5			858 ✓	3	< 5		
222	4	< 5			861 ✓	10	< 5		
223	5	< 5			865 ✓	11	< 5		
224	6	< 5			869 ✓	3	< 5		
225	7	< 5			871 ✓	5	< 5		
226	16	< 5			872 ✓	23	< 5		
228	10	< 5			876 ✓	21	< 5		
240	8	< 5	<i>not find</i>		898 ✓	6	< 5		
241 -20M	13	<15*			904 ✓	22	5		
242	13	< 5			912 ✓	2	< 5		
243 -20M	10	< 5			915 ✓	7	< 5		
244	2	< 5			919 ✓	2	< 5		
245-20M	3	<10*		<i>not location</i>	923	58	< 5		
246	< ?	< 5			960	18	< 5		
247	3	< 5			962	12	< 5		
248	2	< 5			79R - 905	40	< 5		
256	5	< 5			906	9	< 5		
257	3	< 5			910 ✓	17	< 5		
259	11	< 5			914 ✓	16	5		
260	10	< 5			942 ✓	16	< 5		
261	< 2	< 5			973 ✓	12	< 5		
262	< 2	<20*			991 ✓	18	< 5		
263	8	< 5			997 ✓	23	< 5		
264	15	< 5			993 ✓	29	< 5		
265	23	< 5			994 ✓	31	< 5		
266	20	< 5			995 ✓	13	< 5		
267	17	< 5			958 ✓	12	< 5		
79R - 820 ROCKS	9	< 5	<i>submit</i>		1006	20	< 5		

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Geochemical Lab Report

 Report No. 29 - 970

 Page No. 5

SAMPLE NO.	Ag ppm	Au ppb			SAMPLE NO.	Ag ppm	Au ppb		
79S - 117	10	< 5			79S - 170	2	< 5		
118	< 2	< 5			171	2	10		
125	2	<10*			172	3	15		
126	12	5			173	7	30		
127	19	< 5			175	7	< 5		
128	13	< 5			176	10	< 5		
129	23	< 5			177	3	< 5		
130	< 2	< 5			178	6	< 5		
131	13	< 5			179	7	< 5		
133	< 2	< 5			180 -20M	7	< 5		
134	5	< 5			181	< 2	<10*		
135	4	<20*			182	10	< 5		
136	3	< 5			183 -20M	2	<25*		
140	22	< 5			185	2	<10*		
141	3	< 5			186	< 2	< 5		
142	3	< 5			187	3	<25*		
143	< 2	< 5			188	7	< 5		
144	13	< 5			189	16	15		
145	< 2	< 5			190	23	< 5		
146	< 2	< 5			191	14	< 5		
147	< 2	5			193	6	< 5		
148	12	< 5			194	17	< 5		
149	60	< 5			195	12	10		
152	< 2	< 5			196	50	< 5		
153	12	< 5			197	56	< 5		
154	7	< 5			198	9	<25*		
157	28	< 5			202	13	< 5		
158	22	< 5			203	7	< 5		
159	8	< 5			204	17	< 5		
160	12	< 5			205	13	<20*		
163	< 2	< 5			206	10	< 5		
164	< 2	<10*			207	8	< 5		
<i>no sample</i> 166 -20M	< 2	<25*			209	6	< 5		
168	< 2	<10*			210	10	< 5		
169	< 2	< 5			211	12	< 5		

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Page No. 4

SAMPLE NO.	As ppm	Au ppb			SAMPLE NO.	As ppm	Au ppb		
79R - 957	29	10			79R - 1000	13	< 5		
958	12	5			1001	23	< 5		
959	11	< 5			1002	15	< 5		
960	340	< 5			1003	4	< 5		
961	18	< 5			1004	12	< 5		
962	53	< 5			1005	20	< 5		
963	120	< 5			1007	5	10		
964	13	< 5			1008	3	15		
965	53	< 5			1009	3	< 5		
966	54	< 5			1010	6	< 5		
967	2	< 5			1011	7	< 5		
968	7	< 5			1012	3	< 5		
969	21	10			1013	< 2	< 5		
970	< 2	< 5			1014	5	< 5		
971	6	< 5			1015	16	< 5		
972	10	< 5			1016	12	< 5		
974	5	< 5			1017	10	< 5		
975	13	< 5			1018	21	< 5		
977	40	< 5			1019	22	< 5		
978	14	< 5			1020	10	< 5		
979	6	< 5			1021	13	< 5		
980	3	< 5			1022	13	< 5		
981	6	< 5			1023	11	< 5		
982	20	< 5			1024	6	< 5		
983	7	< 5			1025	12	< 5		
984	6	< 5			1026	3	< 5		
985	7	< 5			1027	10	< 5		
986	3	< 5			79S - 108	2	< 5		
987	6	< 5			109	7	< 5		
988	21	< 5			110	6	< 5		
989	24	< 5			111	7	< 5		
990	39	< 5			112	6	< 5		
996	37	< 5			114 - 20M	11	< 20*		
997	56	< 5			115	24	< 5		
999	16	< 5			116	4	< 5		

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Geochemical Lab Report

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Page No. 3

SAMPLE NO.	As ppm	Au ppb			SAMPLE NO.	Zn ppm	Au ppb		
79R - 975	23	< 5			79R - 921	52	5		
976	2	< 5			922	5	< 5		
977	6	< 5			923	13	< 5		
978	7	< 5			924	24	< 5		
979	21	< 5			925	12	< 5		
980	13	< 5			926	200	< 5		
981	12	< 5			927	145	< 5		
982	9	< 5			928	25	< 5		
983	6	< 5			929	60	< 5		
984	5	< 5			930	25	< 5		
985	7	< 5			931	13	< 5		
986	4	< 5			932	58	< 5		
987	3	< 5			933	49	< 5		
988	4	< 5			934	9	15		
989	12	< 5			935	2	< 5		
990	4	< 5			936	22	< 5		
991	3	< 5			937	< 2	< 5		
992	85	< 5			938	5	< 5		
993	13	< 5			939	20	< 5		
994	15	< 5			940	12	< 5		
995	53	< 5			941	20	< 5		
996	12	< 5			943	37	< 5		
997	4	< 5			944	15	< 5		
79R - 907	80	< 5			945	11	< 5		
908	80	< 5			946	12	< 5		
909	56	5			947	23	< 5		
911	29	< 5			948	13	< 5		
912	60	< 5			949	7	< 5		
913	22	< 5			950	15	< 5		
915	17	< 5			951	16	< 5		
916	13	< 5			952	22	< 5		
917	10	< 5			953	17	< 5		
918	11	< 5			954	28	5		
919	160	< 5			955	21	< 5		
920	20	< 5			956	21	5		

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Geochemical Lab Report

Report No. 29 - 970

Page No. 2

SAMPLE NO.	Ag ppm	Au ppb			SAMPLE NO.	Ag ppm	Au ppb		
798 - 897	4	< 5			798 - 938	16	10		
899	25	< 5			939	23	5		
900	10	< 5			940	32	< 5		
901	27	< 5			941	6	< 5		
902	23	< 5			942	5	5		
903	17	< 5			943	15	< 5		
905	24	< 5			944	7	< 5		
906	21	15			945	12	< 5		
907	4	< 5			946	11	< 5		
908	13	< 5			947	13	< 5		
909	20	< 5			948	5	< 5		
910	17	< 5			949	14	< 5		
911	11	< 5			950	19	< 5		
913	135	5			951	20	< 5		
914	13	< 5			952	23	< 5		
916	65	< 5			953	23	< 5		
917	13	< 5			954	3	10		
918	< 2	420			955	54	< 5		
920	8	< 5			956	10	< 5		
921	12	< 5			957	12	< 5		
922	27	< 5			958	13	< 5		
924	13	< 5			959	13	< 5		
925	10	< 5			961	9	< 5		
926	35	< 5			963	9	< 5		
927	14	< 5			964	23	< 5		
928	15	< 5			965	4	< 5		
929	8	10			966	10	< 5		
930	12	< 5			967	13	< 5		
931	10	5			968	6	810		
932	10	15			969	17	< 5		
933	17	< 5			970 - COM	16	< 5		
934	19	10			971	3	< 5		
935	22	< 5			972	4	< 5		
936	17	< 5			973	3	< 5		
937	7	< 20*			974	5	< 5		

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Geochemical Lab Report

Handwritten notes:
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1111

Extraction As; Perchloric Nitric
Au; Fire Assay & Hot Aqua Regia
As; Colorimetric
Method Au; Atomic Absorption

Report No. 29 - 970

From JMT Services

Fraction Used _____

Date August 3 1979

SAMPLE NO.	Ag ppm	Au ppb		SAMPLE NO.	Ag ppm	Au ppb	
79H - 821	43	10		79H - 860	42	< 5	
823	85	5		862	14	< 5	
824	420	10		863	< 2	< 5	
825 -20M	85	10		864	5	< 5	
826	320	10		866	7	<15*	
828	85	< 5		867	3	< 5	
830	30	< 5		868	26	< 5	
831	48	< 5		870	12	< 5	
832 -20M	59	<10*		873	35	< 5	
833	61	10		874	60	< 5	
835	5	15		875	75	< 5	
836	9	45		877	56	< 5	
838	12	< 5		879	20	< 5	
839	< 2	25		880	23	< 5	
841	15	5		881	50	< 5	
842	3	< 5		882	54	< 5	
843	3	10		883	60	< 5	
844	< 2	< 5		884	53	< 5	
845	27	< 5		885	20	5	
846	< 2	< 5		886	10	< 5	
847	2	< 5		887	14	< 5	
848	100	< 5		888	27	< 5	
849	15	5		889	27	< 5	
850	9	< 5		890	17	< 5	
851	14	5		891	18	< 5	
852	5	< 5	✓	892	10	< 5	
853	7	< 5		893	22	< 5	
854	23	<15*		894	11	< 5	
855	27	< 5		895	29	< 5	
859	6	5		896	7	< 5	

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Geochemical Lab Report

Report No. 29 - 1059

Page No. 3

SAMPLE NO.	Ag ppm	Au ppb			SAMPLE NO.			
79C - 1079	13	< 5						
1080	13	10						
1081	10	< 5						
1082	23	< 5						
1083	20	< 5						
1084	26	< 5						
79C - 616 ROCKS	17	< 5						
617	7	< 5						
649	< 2	< 5						
1035	7	< 5						
1057	>1000	15						
1067	59	< 5						
1085	>1000	185						
1086	500	10						
1087	40	< 5						
1088	>1000	145						
1089	200	5						
1090	>1000	90						
1091	220	< 5						
1092	180	< 5						

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Geochemical Lab Report

Report No. 29 - 1059

Page No. 2

SAMPLE NO.	As ppm	Au ppb		SAMPLE NO.	As ppm	Au ppb	
79C - 633	50	5		79C - 1042	12	< 5	
634	40	< 5		1043	6	< 5	
635	12	< 5		1044	30	< 5	
636	68	< 5		1045	6	< 5	
637	21	< 5		1046	7	10	
638	11	< 5		1047	10	< 5	
639 ✓	14	15		1048	10	< 5	
640	12	5		1049	50	< 5	
641	11	< 5		1050	18	10	
642	11	30		1051	11	< 5	
643	20	< 5		1052	27	< 5	
644	7	<20*		1053	12	< 5	
645	6	10		1054	21	5	
646	6	15		1055	5	< 5	
647	17	5		1056	200	< 5	
648	23	< 5		1058	21	< 5	
650	12	10		1059	50	< 5	
651	10	< 5		1060	10	5	
652	7	< 5		1061	23	5	
653	12	< 5		1062	9	< 5	
654	10	< 5		1063	52	< 5	
655	7	10		1064	14	< 5	
1028	16	< 5		1065	50	< 5	
1029	19	< 5		1066	26	< 5	
1030	12	< 5		1068	22	< 5	
1031	13	< 5		1069	58	5	
1032	26	5		1070	53	< 5	
1033	12	< 5		1071	54	< 5	
1034	7	< 5		1072	12	< 5	
1036	10	< 5		1073	8	< 5	
1037	6	5		1074	8	< 5	
1038	24	< 5		1075	7	< 5	
1039	12	10		1076	7	< 5	
1040	10	< 5		1077	8	< 5	
1041	13	10		1078	13	< 5	

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Geochemical Lab Report

on As; Perchloric Nitric
Au; Fire Assay & Hot Aqua Regia
As; Colorimetric
Au; Atomic Absorption

Report No. 29 - 1059

From JMT Services

Used _____

Date August 7, 19 79

MPLE NO.	As ppm	Au ppb			SAMPLE NO.	As ppm	Au ppb		
C - 526	13	35			75C - 601	13	< 5		
571	14	40			602	21	5		
572	21	35			603	20	5		
573	10	10			604	23	5		
574	22	10			605	13	40		
575	21	15			606	18	< 5		
577	10	30			607	9	< 5		
578	8	5			608	7	45		
579	7	35			609	7	< 5		
580	12	10			610	14	5		
581	6	5			611	13	< 5		
582	7	25			612	6	5		
583	5	70			613	5	< 5		
584	160	20			614	6	< 5		
585	20	5			615	19	< 5		
586	220	5			618	12	10		
587	53	5			619	12	5		
588	650	5			620	13	< 5		
589	57	15			621	11	< 5		
590	8	5			622	24	5		
591	6	< 5			623	13	15		
592	20	< 5			624	11	5		
593	48	< 5			625	7	< 5		
594	13	< 5			626	22	< 5		
595	13	< 5			627	23	< 5		
596	20	5			628	11	5		
597	6	5			629	25	< 5		
598	27	< 5			630	14	< 5		
599	23	< 5			631	62	< 5		
600	25	10			632	20	< 5		

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Geochemical Lab Report

 Report No. 29 - 970

 Page No. 7

SAMPLE NO.	Pb PPM	Pb PPB			SAMPLE NO.				
79S - 132	< 2	< 5							
137	2	< 5							
139	4	< 5							
149	116	< 5							
150	300	< 5							
151	28	< 5							
155	10	< 5							
156	28	< 5							
161	3	< 5							
162	6	< 5							
174	10	< 5							
184	12	< 5							
192	< 2	< 5							
199	12	< 5							
200	11	< 5							
201	15	< 5							
208	9	< 5							
214	53	< 5							
218	3	< 5							
227	6	< 5							
229	2	< 5							
230	9	< 5							
231	10	< 5							
258	4	< 5							
268	9	< 5							

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Geochemical Lab Report

Report No. 29 -970

Page No. 6

SAMPLE NO.	Ag ppm	Au ppb			SAMPLE NO.	Ag ppm	Au ppb		
79S - 712 -20M	3	<20*			79R - 827 ✓	22	< 5		
713	10	< 5			829 ✓	260	45		
715	14	< 5			834 ✓	4	< 5		
716	13	< 5			837 ✓	5	< 5		
717	4	< 5			840 ✓	2	< 5		
719	6	< 5			856 ✓	7	< 5		
720	20	< 5			857 ✓	< 2	< 5		
721	48	< 5			858 ✓	3	< 5		
722	4	< 5			861 ✓	10	< 5		
723	5	< 5			863 ✓	11	< 5		
724	6	< 5			865 ✓	3	< 5		
725	7	< 5			871 ✓	5	< 5		
726	16	< 5			877 ✓	23	< 5		
728	10	< 5			876 ✓	21	< 5		
740	8	< 5	<i>not find</i>		898 ✓	6	< 5		
741 -20M	13	<15*			904 ✓	22	5		
742	13	< 5			912 ✓	2	< 5		
743 -20M	10	< 5			915 ✓	7	< 5		
744	?	< 5			919 ✓	?	< 5		
745-20M	3	<10*			<i>not location</i> 923	58	< 5		
746	< ?	< 5			960	18	< 5		
747	3	< 5			962	12	< 5		
748	2	< 5			79R - 905	40	< 5		
756	5	< 5			906	9	< 5		
757	3	< 5			910 ✓	17	< 5		
759	11	< 5			914 ✓	16	5		
760	10	< 5			942 ✓	16	< 5		
761	< 2	< 5			973 ✓	12	< 5		
767	< ?	<20*			991 ✓	18	< 5		
769	8	< 5			992 ✓	23	< 5		
764	15	< 5			993 ✓	29	< 5		
765	23	< 5			994 ✓	31	< 5		
766	20	< 5			995 ✓	13	< 5		
767	17	< 5			998 ✓	12	< 5		
79R - 820 ROCKS	9	< 5	<i>value 152</i>		1006	20	< 5		

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Geochemical Lab Report

Report No. 29 - 970

Page No. 5

SAMPLE NO.	As ppm	Au ppb			SAMPLE NO.	As ppm	Au ppb		
79S - 117	10	< 5			79S - 170	2	< 5		
118	< 2	< 5			171	2	10		
125	2	<10*			172	3	15		
126	12	5			173	7	30		
127	19	< 5			175	7	< 5		
128	13	< 5			176	10	< 5		
129	23	< 5			177	3	< 5		
130	< 2	< 5			178	6	< 5		
131	13	< 5			179	7	< 5		
133	< 2	< 5			180 -20M	7	< 5		
134	5	< 5			181	< 2	<10*		
135	4	<20*			182	10	< 5		
136	3	< 5			183 -20M	2	<25*		
140	22	< 5			185	2	<10*		
141	3	< 5			186	2	< 5		
142	3	< 5			187	3	<25*		
143	< 2	< 5			188	7	< 5		
144	13	< 5			189	16	15		
145	< 2	< 5			190	23	< 5		
146	< 2	< 5			191	14	< 5		
147	< 2	5			193	6	< 5		
148	12	< 5			194	17	< 5		
149	60	< 5			195	12	10		
152	< 2	< 5			196	50	< 5		
153	12	< 5			197	56	< 5		
154	7	< 5			198	9	<25*		
157	28	< 5			202	13	< 5		
158	22	< 5			203	7	< 5		
159	8	< 5			204	17	< 5		
160	12	< 5			205	13	<20*		
163	< 2	< 5			206	10	< 5		
164	< 2	<10*			207	8	< 5		
<i>no sample</i> 166 -20M	< 2	<25*			209	6	< 5		
168	< 2	<10*			210	10	< 5		
169	< 2	< 5			211	12	< 5		

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Geochemical Lab Report

Report No. 28 - 151

Page No. 2

SAMPLE NO.	As ppm	Au ppb	Hg ppb		SAMPLE NO.	As ppm	Au ppb	Hg ppb	
78WH - 168	20	10 ^x	270		78WH - 228	15	< 5	70	
169	20	5	195		229	11	< 5	95	
170	13	40 ⁰	>10,000		230	15	< 5	70	
171	15	25 ⁰	480	1	231	380	<10*	4000	
172	15	<20*	335		232	23	20	305	
173	20	<10*	2050		233	20	15	255	
174	20	155 ⁰	175		234	28	< 5	120	
175	20	10 ¹	225	#2	235	50	75	245	
176	25	20 ⁰	370	Bills					
177	35	15 ⁰	230	↓					
178	75 ⁰	30 ⁰	280						
180	25	15 ⁰	2600						
181	85 ⁰	<20*	300						
182	20	<20*	95						
183	25	115 ⁰	1000	↓					
184	20	10	520						
185	22	<10*	440						
210	35	35	210						
211	22	5	70						
212	20	10	40						
213	17	<10*	50						
214	20	30	40						
215	13	10	40						
216	20	<10*	80						
* detection limit on a small sample									
217	320	5	120						
218	22	<10*	155						
219	70	5	120						
220	50	< 5	350						
221	40	10	330						
222	10	10	70						
223	25	<10*	50						
224	15	< 5	420						
225	15	5	65						
226	20	5	75						
227	22	< 5	100						

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Geochemical Lab Report

Report No. _____

Page No. _____

SAMPLE NO.		ppb	ppm	SAMPLE NO.		ppb	ppm
7.1		< 5	100	7.2		15	90
67	6	< 5	400	91	< 2	< 5	100
68	15	< 5	270	100	15	< 5	300
69	35	< 5	200	103	15	< 5	100
70	40	< 5	1000	104	5	< 5	600
71	10	< 5	60	109	10	< 5	100
72		< 5	70	117	< 2	10	
		< 5	200	120	10	5	100
73	< 2	< 10*	5	109	10	< 5	110
74	5	< 5	75	110	< 2	20	100
75	7	< 10*	90	111	12	< 5	100
76	1	< 5	100	112	5	< 5	70
77	< 2	< 5	10	113	210	< 5	10
78	1	< 5	200	WH78 1	15	30	500
79	15	< 5	300		18	< 5	200
80	5	< 5	20		3	< 5	500
81	2	< 5	200		3	65	600
82	15	< 5	100		5	< 5	1000
83	20.0	< 5	100		26	< 2	< 5
84	70	< 5	10		27	3	40
85	5	< 5	10		28	2	< 5
86	15	< 5	300		29	< 2	< 5
87	< 2	< 5	400		30	3	< 5
88	10	< 5	100		31	10	< 5
89	5	< 5	10		32	100	< 5
90	10	< 5	70		33	15	< 5
91	5	< 5	130		34	13	< 5
92	2	< 5	100		35	13	5
93	2	< 5	100		36	13	5
94	55	< 5	160		37	5	< 5
95	170	< 5	300		38	13	< 5
96	38	< 5	200		39	15	< 5
97	17	< 5	125		40	< 2	< 10*
98	106	< 5	560		41	50	< 5
99	10	< 5	365		42	< 2	< 10*

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Geochemical Lab Report

Report No. 28 - 1460

Page No. 2

SAMPLE NO.	Zn ppm	Ag ppm			SAMPLE NO.				
78WH - 26	47	0.2							
27	39	0.2							

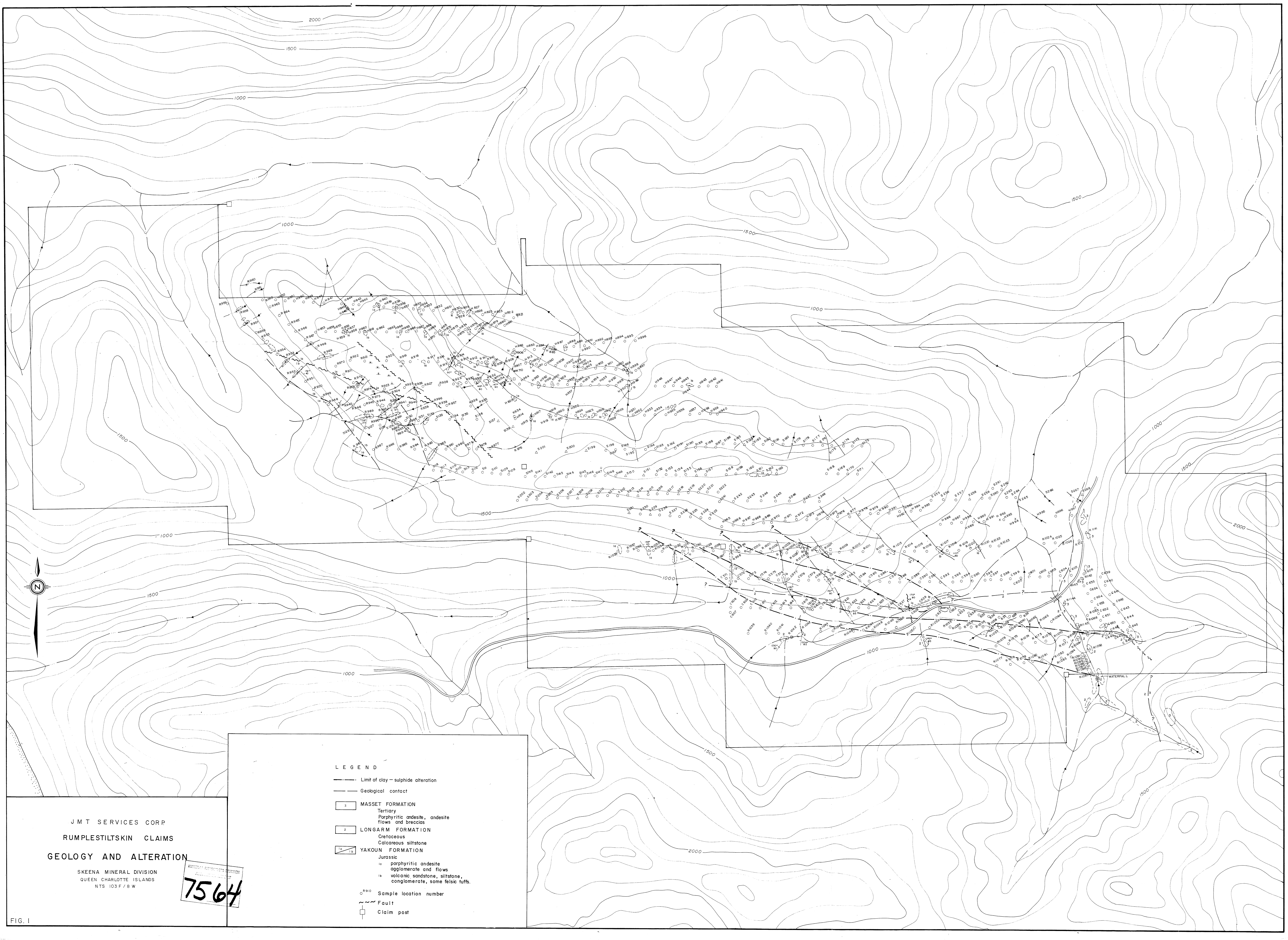
7564

Geochemical Lab Report

Extraction Hot Aqua Regia Report No. 28 - 1460
 Method Atomic Absorption From JMT Services
 Fraction Used _____ Date September 27 19 78

SAMPLE NO.	Zn ppm	Ag ppm		SAMPLE NO.	Zn ppm	Ag ppm	
78R - 199	85	0.2		78R - 392	75	0.2	
301	89	0.3		393	52	0.2	
302	139	0.2		394	54	0.2	
303	249	0.8		395	61	0.6	
304	157	0.2		396	68	0.2	
305	92	0.2		397	82	0.2	
306	141	0.2		398	62	0.2	
307	115	0.2		399	71	0.2	
308	84	0.2		400	80	0.2	
309	207	0.2		78WH - 216	72	0.2	
310	141	0.2		217	52	0.2	
311	71	0.2		218	67	0.2	
312	118	0.2		219	34	0.2	
313	86	0.2		220	36	0.2	
314	78	0.2		221	81	0.2	
315	52	0.2		222	74	0.2	
316	68	0.2		223	69	0.2	
317	123	0.2		224	63	0.2	
318	200	0.3		225	63	0.2	
319	133	0.5		226	109	0.2	
320	117	0.3		227	74	0.2	
321	157	0.5		228	95	0.2	
381B	68	0.2		229	77	0.2	
382	76	0.2		230	67	0.2	
383	61	0.2		231	130	0.2	
384	51	0.2		21	77	0.2	
385	53	0.2		22	34	0.2	
386	30	0.2		23	60	0.2	
389	78	0.2		24	48	0.2	
391	66	0.2		25	43	0.2	

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2000

1500

1000

1500

1500

1000

1000

1500

500

1000

1500

1000

1000

1000

1500

2000

1500

JMT SERVICES CORP
 RUMPLESTILTSKIN CLAIMS
 GEOLOGY AND ALTERATION
 SKEENA MINERAL DIVISION
 QUEEN CHARLOTTE ISLANDS
 NTS 103F/8W

7564

LEGEND

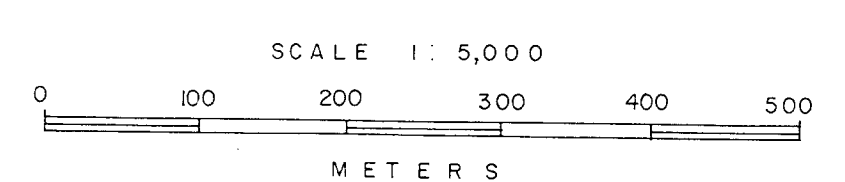
- Limit of clay - sulphide alteration
- Geological contact
- 3 MASSET FORMATION
Tertiary
Porphyritic andesite, andesite flows and breccias
- 2 LONGARM FORMATION
Cretaceous
Calcareous siltstone
- 15 YAKOUN FORMATION
Jurassic
10 porphyritic andesite agglomerate and flows
10 volcanic sandstone, siltstone, conglomerate, some felsic tuffs.
- RMD Sample location number
- ~ Fault
- Claim post

FIG. 1



JMT SERVICES CORP
 RUMPLESTILTSKIN CLAIMS
 GOLD AND ARSENIC GEOCHEMISTRY

SKEENA MINERAL DIVISION
 QUEEN CHARLOTTE ISLANDS
 NTS 103-F 8 W



7564

LEGEND
 x Silt sample
 o Soil sample
 Δ Rock chip sample
 R 287 — Sample location number
 O 424 — Gold (Au) / Arsenic (As)
 ppb ppm

FIG. 2

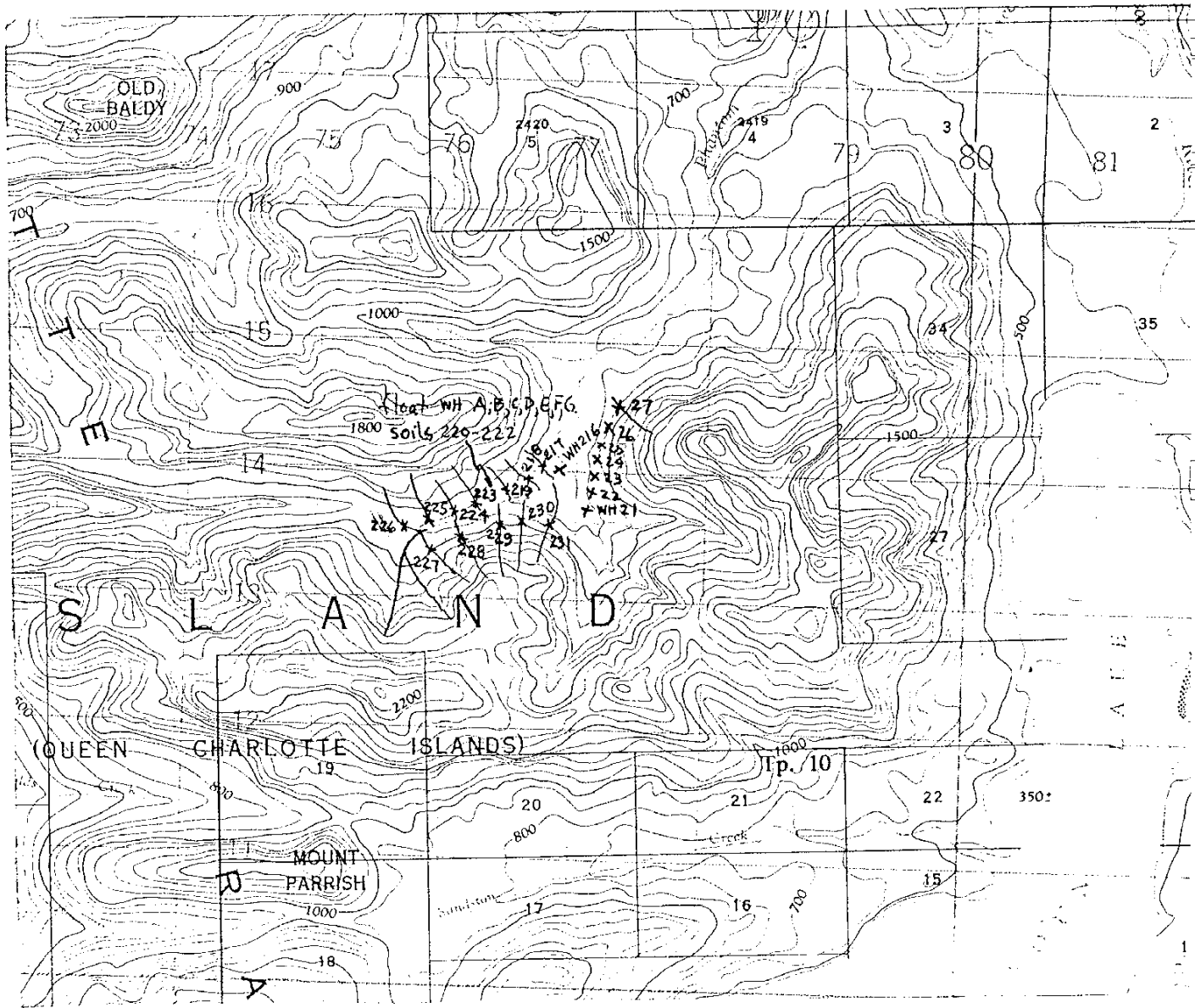


FIGURE 5

RECONNAISSANCE SAMPLING - 1978

7564