

COMINCO LTD.

EXPLORATION

WESTERN DISTRICT

NTS: 92H/7E,W

PERCUSSION DRILLING

ASSESSMENT REPORT

ON THE WHIP MINERAL CLAIMS

(WHIP 80-1 GROUP - SUPPLEMENTARY)

OWNED BY COMINCO LTD.

WHIPSAW CREEK AREA

SIMILKAMEEN MINING DIVISION, B.C.

49°17'N ; 120°46'W

9456

WORK PERIOD:

JUNE 23, 1981 to JULY 1, 1981

9 SEPTEMBER 1981

H.P. WILTON

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ON THE WHIP MINERAL CLAIMS
(WHIP 80-1 GROUP - SUPPLEMENTARY)
WHIPSAW CREEK AREA
SIMILKAMEEN MINING DIVISION, B.C.

INTRODUCTION

(i) Location and Access:

The WHIP 1-4 mineral claims are located north of Whipsaw Creek, approximately 26 km. southwest of Princeton, B.C. They are situated immediately west of Forty-seven Mile Creek which drains southward into Whipsaw Creek. They range in elevation from 1550 metres to about 1900 metres and are located on the Thompson Plateau only a few kilometres from the eastern flank of the Cascade Mountains.

Access is by means of the Whipsaw Creek Road from a point on Highway 3 approximately 13 kilometres south of Princeton. The Whipsaw Creek road is followed a distance of 20 km. from Highway 3 to a point 2 km. past the mouth of Forty-seven Mile Creek. From there, a four-wheel-drive road runs northwestward into the claim group.

Plate 81-1 enclosed with this report illustrates the location of the WHIP claims relative to adjoining mineral claims and the major streams in the area.

(ii) Property Definition:

The WHIP property consists of 50 units in 4 contiguous mineral claims (WHIP 1-4). They were staked in August, 1979, by Cominco Ltd., the current owner and operator. The WHIP property surrounds but does not include the four ELL claims, nor does it include the several Crown-granted claims adjoining to the south.(see Plate 81-1)

The area covered by the WHIP claims has been explored periodically by several companies as a copper prospect since 1959. It was initially staked and explored in 1960 and 1961 by Texasgulf. They carried out mapping, soil geochemical, and geophysical surveys and drilled three diamond drill holes. The property was then optioned by Dome, who did more drilling in 1963, and by Amax, who carried out further surface surveys and some bulldozer trenching in 1968. Texasgulf did some more

diamond drilling themselves in 1969. Most recently, Newmont optioned the property from Texasgulf in 1971 and performed additional geophysical surveys, bulldozer trenching, and diamond drilling.

After staking the WHIP claims in August 1979, Cominco carried out reconnaissance-scale soil geochemical surveys in 1979 and 1980 in order to tie together, and possibly extend, geochemical anomalies identified by previous operators. A particularly interesting result of these surveys was the definition of a broad, moderately strong, molybdenum anomaly in untested ground immediately west of the ELL claims.

The property is centred on a feldspar porphyry intrusion which has been emplaced along the regional northwest-trending contact between Upper Triassic Nicola volcanics (to the east) and Upper Cretaceous granodiorite (to the west), known locally as the Eagle granodiorite. Widespread but low-grade copper and molybdenum mineralization is believed to be genetically related to the feldspar porphyry intrusion.

(iii) Summary of Work Done:

Seven percussion drill holes, totalling 582.2 metres, were completed between June 23, 1981, and July 1, 1981. The drilling contractor was Al Miller Percussion Drilling Ltd. of Kamloops. Prior to the drilling, Broadway Bulldozing of Princeton was contracted to upgrade parts of the access road and clear the seven drill sites.

RESULTS AND INTERPRETATION

The purpose of the percussion drilling program reported herein was to provide an initial sub-surface testing of molybdenum soil anomalies defined in 1980 west and south of the ELL claims.

Plate 81-2, enclosed with this report, indicates the locations of the seven drill holes relative to the claim boundaries and access roads. The individual lengths of the holes are indicated beside each collar location. The target depth of each hole was 100.6 metres. As can be seen on Plate 81-2, four of the seven holes were terminated early, in all cases due to caving of the hole in altered and fractured ground.

The drill cuttings were collected as samples, each representing approximately 3.1 metres of drilling. A random spoonful from each sample was collected at the drill and placed in a separate sample envelope for later microscopic examination in order to prepare a cuttings log. The assay samples were shipped to Cominco's Exploration Research Laboratory in Vancouver where they were first analysed geochemically for Cu and Mo. Mo was determined using an HNO₃ - HClO₄ digestion/colourimetric method and Cu was determined using an aqua regia digestion/AA method. All samples were then assayed for %Mo. Due to the generally low Cu content, only the first 65 samples were assayed for %Cu as a check on the geochemical analyses.

3.

Appendix A of this report is a tabulated cuttings log including the geochemical results expressed as ppm Cu and ppm Mo for each sample. Appendix B is a photostat copy of the actual laboratory data sheets showing assays as well as geochemical results for all samples.

The logs of the drill cuttings indicate that the rock types encountered are not particularly quartz-rich but are uniformly feldspathic. Quartz content of the cuttings ranges mainly from 30% to 55%, only occasionally dropping below 30% or as high as 65-70%. Total feldspar content has approximately the same range as that of quartz. Total mafic content ranges from 5% to 20%. Biotite predominates over hornblende in most samples, although both are usually present. Alteration consists mainly of argillic alteration and minor propylitic alteration (kaolinization of feldspars with minor epidotization and occasional sericitization, chloritization, and carbonatization). Magnetite is present in amounts ranging from trace to as much as 10% in almost all samples, and pyrite also occurs consistently in amounts ranging from trace to 7%.

Significant molybdenum assays are few and erratically distributed. Values in excess of 0.01% Mo were not obtained over thicknesses greater than 12.2 metres (ie. four consecutive samples). The best individual assays were 0.068% Mo at the bottom of PDH - WH 81-3 and 0.052% Mo in the middle of PDH - WH 81-6. Moderately good molybdenum grades were found in the top 12 metres of PDH - WH 81-5.

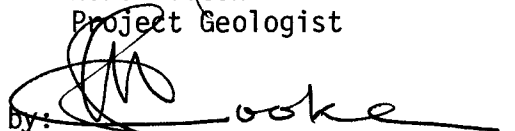
Copper assays and geochemical values are also consistently low and erratic. Only one copper value greater than 2000 ppm was obtained; 4500 ppm in one sample in the middle of PDH - WH 81-7.

Report by:



H.P. Wilton
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Endorsed by:



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Approved for
Release by:



G. Harden, Manager
Exploration,
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HPW/skg
Distribution
Mining Recorder (2)
Western District (1)

APPENDIX A

PERCUSSION DRILL CUTTINGS LOG AND
ANALYSES

SAMPLE NUMBER	INTERVAL (Metres)	ppm Cu	ppm Mo	% Quartz	% Feldspar	% Mafics	% Pyrite	Alteration and Mineralization
100551	4.6 - 9.1	106	6	35	35	20	5	5% magnetite; kaolinized; some epidote
100552	9.1 - 12.2	319	6	40	33	15	7	5% magnetite; kaolinized; chloritization, epidote
100553	12.2 - 15.2	172	12	35	40	15	5	5% magnetite; kaolinized, chloritization, epidote
100554	15.2 - 18.3	235	20	45	40	10	Tr	5% magnetite; trace MoS ₂ ; kaolinized, epidote
100555	18.3 - 21.3	244	11	40	34	20	1	5% magnetite; kaolinized, epidote
100556	21.3 - 24.4	188	3	40	35	15	5	5% magnetite; kaolinized, epidote, chloritization
100557	24.4 - 27.4	95	0	40	28	20	5	7% magnetite; kaolinized; epidote
100558	27.4 - 30.5	258	16	40	35	15	5	5% magnetite, trace MoS ₂ ; kaolinitization
100559	30.5 - 33.5	138	18	40	40	15	Tr	5% magnetite, kaolinization, Fe staining on quartz and feldspar
100560	33.5 - 36.6	127	4	45	23	20	5	7% magnetite; kaolinization, epidote
100561	36.6 - 39.6	118	5	40	35	15	5	5% magnetite, trace MoS ₂ ; kaolinization, epidote
100562	39.6 - 42.7	158	3	40	33	15	5	7% magnetite, kaolinization
100563	42.7 - 45.7	244	6	40	37	15	5	3% magnetite, trace chalcopyrite; kaolinization, some epidote.
100564	45.7 - 48.8	289	10	45	35	10	5	5% magnetite, traces chalcopyrite & MoS ₂ ; kaolinization, epidote

SAMPLE NUMBER	INTERVAL (Metres)	ppm Cu	ppm Mo	% Quartz	% Feldspar	% Mafics	% Pyrite	Alteration and Mineralization
100565	48.8 - 51.8	240	4	45	28	15	5	7% magnetite, trace MoS ₂ ; kaolinization, epidote; Fe stain
100566	51.8 - 54.9	106	5	40	30	15	5	10% magnetite; kaolinization, chlorite, epidote
100567	54.9 - 57.9	221	6	50	30	10	3	7% magnetite, trace chalcopyrite; kaolinization, epidote, Fe stain
100568	57.9 - 61.0	153	5	45	35	10	5	5% magnetite, trace chalcopyrite; kaolinization, chloritization
100569	61.0 - 64.0	222	4	40	28	20	5	7% magnetite; kaolinization, chloritization, epidote
100570	64.0 - 67.1	104	4	45	23	20	5	7% magnetite, kaolinization, epidote, chloritization
100571	67.1 - 70.1	72	4	45	37	10	3	5% magnetite, kaolinization, epidote, Fe staining
100572	70.1 - 73.2	150	6	45	40	10	3	2% magnetite, trace MoS ₂ ; kaolinization
100573	73.2 - 76.2	168	5	50	32	10	5	3% magnetite, kaolinization, epidote
100574	76.2 - 79.2	208	9	50	34	10	3	3% magnetite, kaolinization, chloritization
100575	79.2 - 82.3	285	22	50	34	10	3	3% magnetite, trace MoS ₂ & chalcopyrite; kaolinization chloritization
100576	82.3 - 85.3	228	5	50	35	10	2	3% magnetite, kaolinization
100577	85.3 - 88.4	133	10	50	29	15	1	5% magnetite, kaolinization, epidote
100578	88.4 - 91.4	85	11	45	32	15	3	3% magnetite, 2% chalcopyrite; kaolinization, epidote, Fe stain

SAMPLE NUMBER	INTERVAL (Metres)	ppm Cu	ppm Mo	% Quartz	% Feldspar	% Mafics	% Pyrite	Alteration and Mineralization
100582	4.6 - 9.1	205	14	40	45	15	Tr	traces of magnetite & MoS ₂ ; kaolinization, Fe staining
100583	9.1 - 12.2	330	26	40	47	10	2	1% magnetite, abundant kaolinization, Fe staining
100584	12.2 - 15.2	222	77	35	50	10	2	3% magnetite, trace MoS ₂ , kaolinization, Fe staining
100585	15.2 - 18.3	248	11	30	48	15	2	5% magnetite, kaolinization, epidote, Fe staining
100586	18.3 - 21.3	226	16	35	50	10	2	3% magnetite, abundant kaolinite
100587	21.3 - 24.4	234	11	35	45	15	2	3% magnetite, trace MoS ₂ ; kaolinization, epidote
100588	24.4 - 27.4	500	66	35	44	15	2	3% magnetite, 1% chalcopyrite; abundant kaolinization, epidote
100589	27.4 - 30.5	390	24	40	48	10	1	trace magnetite, 1% chalcopyrite; abundant kaolinization
100590	30.5 - 33.5	262	24	40	50	7	2	trace magnetite, 1% chalcopyrite, kaolin.
100591	33.5 - 36.6	297	39	40	50	7	2	1% chalcopyrite; kaolinization, Fe staining of feldspar
100592	36.6 - 39.6	315	85	40	51	7	1	1% chalcopyrite; kaolinization, Fe staining.
100593	39.6 - 42.7	297	20	35	52	10	2	1% magnetite; abundant kaolinization
100594	42.7 - 45.7	248	13	35	46	15	2	trace chalcopyrite; 2% magnetite, kaolin.
100595	45.7 - 48.8	244	57	35	48	15	Tr	2% magnetite, kaolinization

SAMPLE NUMBER	INTERVAL (Metres)	ppm Cu	ppm Mo	% Quartz	% Feldspar	% Mafics	% Pyrite	Alteration and Mineralization
100596	48.8 - 51.8	272	64	35	51	10	1	4% magnetite, kaolinization
100597	51.8 - 54.9	270	38	35	53	10	Tr	2% magnetite; kaolinization, chloritization
100598	54.9 - 57.9	212	45	40	47	10	1	2% magnetite; some kaolinization, chloritization
100599	57.9 - 61.0	363	31	45	43	10	1	1% magnetite; kaolinization
100600	61.0 - 64.0	223	26	50	41	7	1	1% magnetite, some kaolinization
100601	64.0 - 67.1	264	32	50	42	7	Tr	1% magnetite, some kaolinization
100602	67.1 - 70.1	140	9	55	33	10	1	1% magnetite; kaolinization
100603	70.1 - 73.2	186	11	50	33	15	1	1% magnetite, abundant kaolinization
100604	73.2 - 76.2	292	13	50	32	15	1	2% magnetite; trace chalcopyrite; kaolinization, abundant Fe staining
100605	76.2 - 79.2	305	26	55	34	10	Tr	1% magnetite, trace MoS ₂ ; kaolinization, some epidotization
100606	79.2 - 82.3	272	20	50	34	15	1	trace magnetite; kaolinization
100607	82.3 - 85.3	145	22	55	34	10	1	trace magnetite; kaolinization, abundant Fe staining
100608	85.3 - 88.4	168	16	55	28	15	1	1% magnetite, trace chalcopyrite; kaolinization, some epidotization
100609	88.4 - 91.4	232	11	50	31	15	1	3% magnetite; kaolinization, some chloritization

SAMPLE NUMBER	INTERVAL (Metres)	ppm Cu	ppm Mo	% Quartz	% Feldspar	% Mafics	% Pyrite	Alteration and Mineralization
100613	4.3 - 9.1	304	100	50	32	15	1	2% magnetite; abundant Fe stain, some carbonatization, epidote
100614	9.1 - 12.2	337	66	50	38	10	1	1% magnetite; kaolinization, Fe staining.
100615	12.2 - 15.2	388	60	45	32	20	1	1% magnetite, kaolinization
100616	15.2 - 18.3	409	11	50	30	15	3	2% magnetite, kaolinization
100617	18.3 - 21.3	366	28	50	34	15	Tr	1% magnetite; abundant kaolinization
100618	21.3 - 24.4	410	7	45	32	20	2	1% magnetite; kaolinization; epidotization.
100619	24.4 - 27.4	380	65	45	27	20	3	5% magnetite; kaolinization; some epidotization
100620	27.4 - 30.5	534	70	45	37	15	2	1% magnetite; kaolinization; abundant epidotization
100621	30.5 - 33.5	680	185	50	33	15	2	trace magnetite; kaolinization, epidotization
100622	33.5 - 36.6	430	78	45	36	15	3	1% magnetite; kaolinization, epidotization
100623	36.6 - 39.6	748	61	45	40	10	5	Traces magnetite, chalcopyrite & MoS ₂ ; kaolinization, epidotization
100624	39.6 - 42.7	509	77	50	39	7	3	Trace magnetite, 1% MoS ₂ ; kaolinization
100625	42.7 - 45.7	409	35	50	40	7	3	Traces magnetite & MoS ₂ ; abundant kaolinization and epidotization
100626	45.7 - 48.8	516	334	45	43	10	2	Traces magnetite & MoS ₂ ; kaolinization, epidotization

SAMPLE NUMBER	INTERVAL (Metres)	ppm Cu	ppm Mo	% Quartz	% Feldspar	% Mafics	% Pyrite	Alteration and Mineralization
100628	3.0 - 9.1	202	34	35	55	7	2	Feldspars well shattered & altered; abundant limonite
100629	9.1 - 12.2	318	20	40	49	7	2	2% magnetite; minor kaolinization, epidotization, sericite
100630	12.2 - 15.2	581	150	40	52	5	3	Trace magnetite; kaolinization, epidotization, sericitization; shattered feldspar
100631	15.2 - 18.3	1300	100	45	43	7	3	2% magnetite; kaolinization, epidotization, minor sericite
100632	18.3 - 21.3	950	52	40	50	7	2	1% magnetite, kaolinization, sericite, epidotization
100633	21.3 - 24.4	583	24	40	51	7	1	1% magnetite, minor kaolinization, epidotization, sericite.
100634	24.4 - 27.4	576	27	45	46	7	1	1% magnetite, minor kaolinization, epidotization, sericitization, Fe stain.
100635	27.4 - 30.5	1250	54	45	47	7	1	trace magnetite; sericite, epidote
100636	30.5 - 33.5	1158	85	45	47	7	1	trace MoS ₂ ; kaolinization, sericite.
100637	33.5 - 36.6	1000	86	45	48	7	Tr	trace magnetite; minor kaolinization
100638	36.6 - 39.6	1100	56	45	47	7	1	trace magnetite; minor kaolinization, epidotization, sericite
100639	39.6 - 42.7	780	38	43	45	10	1	1% magnetite; epidote, minor kaolinization
100640	42.7 - 45.7	800	48	50	40	10	Tr	traces magnetite & MoS ₂ ; sericite, minor kaolinization.
100641	45.7 - 48.8	646	39	50	43	7	Tr	trace magnetite, minor kaolinization

SAMPLE NUMBER	INTERVAL (Metres)	ppm Cu	ppm Mo	% Quartz	% Feldspar	% Mafics	% Pyrite	Alteration and Mineralization
100652	2.4 - 6.1	586	290	30	65	5	Tr	Abundant sericite & Fe staining
100653	6.1 - 9.1	400	143	30	65	5	Tr	minor kaolinization, epidotization; abundant sericite and Fe stain
100654	9.1 - 12.2	1300	187	35	60	5	Tr	traces chalcopyrite & MoS ₂ ; kaolinization
100655	12.2 - 15.2	975	126	40	57	3	Tr	traces chalcopyrite & MoS ₂ ; minor kaolinization
100656	15.2 - 18.3	574	84	50	48	2	Tr	trace MoS ₂ ; kaolinization
100657	18.3 - 21.3	463	41	55	43	2	Tr	minor kaolinization
100658	21.3 - 24.4	796	63	60	38	1	1	trace magnetite; minor kaolinization
100659	24.4 - 27.4	540	46	65	33	1	1	minor kaolinization
100660	27.4 - 30.5	377	27	60	34	5	1	epidote
100661	30.5 - 33.5	610	95	60	28	7	5	trace magnetite; kaolinization, Fe staining
100662	33.5 - 36.6	344	20	60	32	7	1	kaolinization, epidotization
100663	36.6 - 39.6	440	20	65	27	7	1	trace magnetite, kaolinization, sericite, epidotization
100664	39.6 - 42.7	525	52	65	27	7	1	trace magnetite; sericitization, epidote; minor kaolinization
100665	42.7 - 45.7	477	29	65	24	10	1	trace MoS ₂ ; minor kaolinization

SAMPLE NUMBER	INTERVAL (Metres)	ppm Cu	ppm Mo	% Quartz	% Feldspar	% Mafics	% Pyrite	Alteration and Mineralization
100675	2.1 - 6.1	310	29	30	63	7	Tr	trace magnetite, sericitization, minor kaolinization
100676	6.1 - 9.1	212	42	30	63	7	Tr	1% magnetite; sericite, kaolinization, epidote
100677	9.1 - 12.2	452	62	35	55	10	Tr	trace magnetite; kaolinization, epidote, minor sericite
100678	12.2 - 15.2	345	57	30	54	15	Tr	1% magnetite; kaolinization, epidote
100679	15.2 - 18.3	433	44	35	52	10	Tr	3% magnetite; kaolinization, epidote
100680	18.3 - 21.3	483	35	40	41	15	1	3% magnetite; kaolinization, epidote
100681	21.3 - 24.4	346	52	40	42	15	1	2% magnetite, trace chalcopyrite; kaolinization, epidote
100682	24.4 - 27.4	510	93	45	36	15	1	3% magnetite; kaolinization, epidote
100683	27.4 - 30.5	446	104	40	42	15	1	2% magnetite, kaolinization, epidotization, minor chlorite
100684	30.5 - 33.5	668	87	35	36	20	2	7% magnetite, trace chalcopyrite; kaolinization, epidotization
100685	33.5 - 36.6	513	80	37	45	15	1	2% magnetite; kaolinization, epidotization, sericitization; feldspar mainly K-spar
100686	36.6 - 39.6	590	117	44	45	10	1	traces magnetite & chalcopyrite; minor kaolinization, epidotization
100687	39.6 - 42.7	239	437	50	42	7	Tr	1% magnetite; kaolinization
100688	42.7 - 45.7	407	170	50	41	5	1	1% magnetite, traces chalcopyrite and MoS ₂ ; kaolinization

SAMPLE NUMBER	INTERVAL (Metres)	ppm Cu	ppm Mo	% Quartz	% Feldspar	% Mafics	% Pyrite	Alteration and Mineralization
100699	0.9 - 6.1	91	5	30	59	10	1	trace magnetite; epidote, abundant Fe staining
100700	6.1 - 9.1	148	3	35	57	7	1	traces magnetite & chalcopyrite; kaolinization, minor Fe stain
100701	9.1 - 12.2	138	2	35	51	12	2	traces magnetite & chalcopyrite; kaolinization, abundant epidote
100702	12.2 - 15.2	230	3	40	43	15	1	1% magnetite; kaolinization, epidote
100703	15.2 - 18.3	260	45	45	47	7	1	traces magnetite & chalcopyrite; kaolinization, epidotization, minor Fe stain
100704	18.3 - 21.3	608	8	45	46	7	2	traces magnetite, chalcopyrite, & MoS ₂ ; kaolinization, epidote
100705	21.3 - 24.4	495	17	55	40	5	Tr	traces magnetite & MoS ₂ ; kaolinization
100706	24.4 - 27.4	1980	14	55	37	7	1	traces magnetite & chalcopyrite; kaolinization, epidote
100707	27.4 - 30.5	461	8	50	34	15	1	traces magnetite, chalcopyrite & MoS ₂ ; kaolinization, sericite, epidote
100708	30.5 - 33.5	215	18	50	42	7	1	traces magnetite & chalcopyrite; kaolinization, epidote
100709	33.5 - 36.6	468	21	50	39	10	1	trace magnetite; kaolinization, epidote
100710	36.6 - 39.6	652	23	55	37	7	1	traces magnetite & chalcopyrite; kaolinization, epidote
100711	39.6 - 42.7	183	11	55	33	10	1	1% magnetite, trace chalcopyrite; kaolinization
100712	42.7 - 45.7	166	8	55	35	10	Tr	traces magnetite & chalcopyrite; kaolinization, epidote

SAMPLE NUMBER	INTERVAL (Metres)	ppm Cu	ppm Mo	% Quartz	% Feldspar	% Mafics	% Pyrite	Alteration and Mineralization
100713	45.7 - 48.8	1260	10	55	34	10	1	traces magnetite & chalcopyrite; kaolinization, epidote
100714	48.8 - 51.8	547	7	55	32	12	1	traces magnetite & chalcopyrite; kaolinization, epidote
100715	51.8 - 54.9	243	4	50	43	7	Tr	traces magnetite & chalcopyrite; kaolinization, abundant epidote
100716	54.9 - 57.9	348	5	50	43	7	Tr	traces magnetite, chalcopyrite, & MoS ₂ ; kaolinization, epidote
100717	57.9 - 61.0	4500	4	50	41	7	1	trace magnetite, 1% chalcopyrite; kaolinization, epidote
100718	61.0 - 64.0	1623	186	50	40	7	2	1% chalcopyrite, traces magnetite & MoS ₂ ; kaolinization, epidotization
100719	64.0 - 67.1	790	111	50	34	15	1	traces magnetite, chalcopyrite, & MoS ₂ ; kaolinization, epidotization
100720	67.1 - 70.1	600	63	45	34	20	1	traces magnetite & chalcopyrite; kaolinization, sericite; much biotite
100721	70.1 - 73.2	Missing	Sample	45	29	25	1	traces magnetite & chalcopyrite; kaolinization, epidotization
100722	73.2 - 76.2	315	12	50	35	15	Tr	traces magnetite & chalcopyrite; kaolinization, epidote
100723	76.2 - 79.2	277	27	50	40	10	Tr	trace magnetite; kaolinization
100724	79.2 - 82.3	339	32	55	32	12	1	traces magnetite & chalcopyrite; kaolinization, epidote
100725	82.3 - 85.3	220	18	55	33	10	1	1% magnetite; kaolinization, epidote, sericite
100726	85.3 - 88.4	205	17	55	36	7	1	1% magnetite; minor kaolinization, epidote.

APPENDIX B

LABORATORY DATA SHEETS

GEOCHEMICAL ANALYSES

AND ASSAYS

REPORTING DATE 20 JUL 1981

SAMPLE NUMBER	FIELD NUMBER	Cu(1) %	Cu PPM	Mo(1) %	Mo PPM
RB1 08289	100551	<.01	106	<.001	6
RB1 08290	100552	0.03	319	<.001	6
RB1 08291	100553	0.02	172	.002	12
RB1 08292	100554	0.02	235	.002	20
RB1 08293	100555	0.03	244	.002	11
RB1 08294	100556	0.02	188	<.001	3
RB1 08295	100557	<.01	95	.002	0
RB1 08296	100558	0.02	258	.002	16
RB1 08297	100559	0.01	138	.002	18
RB1 08298	100560	0.01	127	.002	4
RB1 08299	100561	<.01	118	.001	5
RB1 08300	100562	0.01	158	<.001	3
RB1 08301	100563	0.02	244	.002	6
RB1 08302	100564	0.03	289	.002	10
RB1 08303	100565	0.02	240	.002	4
RB1 08304	100566	<.01	106	.001	5
RB1 08305	100567	0.02	221	.003	6
RB1 08306	100568	0.01	153	.002	5
RB1 08307	100569	0.02	222	.002	4
RB1 08308	100570	<.01	104	.002	4
RB1 08309	100571	<.01	72	<.001	4
RB1 08310	100572	0.01	150	.001	6
RB1 08311	100573	0.01	168	.001	5
RB1 08312	100574	0.02	208	.002	9
RB1 08313	100575	0.02	285	.004	22
RB1 08314	100576	0.02	228	.001	5
RB1 08315	100577	0.01	133	.002	10
RB1 08316	100578	<.01	85	.002	11
RB1 08317	100579	0.01	112	.003	6
RB1 08318	100580	0.01	173	.008	29
RB1 08319	100581	0.03	377	.003	8
RB1 08320	100582	0.02	205	.002	14
RB1 08321	100583	0.03	330	.004	26
RB1 08322	100584	0.01	222	.010	77
RB1 08323	100585	0.02	248	.002	11
RB1 08324	100586	0.02	226	.003	16
RB1 08325	100587	0.02	234	.003	11
RB1 08326	100588	0.05	500	.009	66
RB1 08327	100589	0.04	390	.004	24
RB1 08328	100590	0.02	262	.004	24

REPORTING DATE 20 JUL 1981

SAMPLE NUMBER	FIELD NUMBER	Cu(1) %	Cu PPM	Mo(1) %	Mo PPM
RB1 08329	100591 PDH-WH81-2 (cont'd)	0.02	297	.004	39
RB1 08330	100592 ↓	0.03	315	.010	85
RB1 08331	100593	0.03	297	.003	20
RB1 08332	100594	0.02	248	.004	13
RB1 08333	100595	0.02	244	.008	57
RB1 08334	100596	0.02	272	.008	64
RB1 08335	100597	0.02	270	.005	38
RB1 08336	100598	0.02	212	.006	45
RB1 08337	100599	0.03	363	.004	31
RB1 08338	100600	0.02	223	.003	26
RB1 08339	100601	0.02	264	.004	32
RB1 08340	100602	0.01	140	.002	9
RB1 08341	100603	0.01	186	.002	11
RB1 08342	100604	0.02	292	.002	13
RB1 08343	100605	0.03	305	.004	26
RB1 08344	100606	0.02	272	.002	20
RB1 08345	100607	0.01	145	.003	22
RB1 08346	100608	0.01	168	.003	16
RB1 08347	100609	0.02	232	.002	11
RB1 08348	100610	0.04	465	.002	16
RB1 08349	100611	0.02	212	.004	24
RB1 08350	100612	0.02	277	.004	20
RB1 08351	100613 PDH-WH81-3	0.02	304	.007	100
RB1 08352	100614 ↓	0.03	337	.008	66
RB1 08353	100615	0.04	388	.008	60
RB1 08354	100616		409	.002	11
RB1 08355	100617		366	.006	28
RB1 08356	100618		410	.002	7
RB1 08357	100619		380	.009	65
RB1 08358	100620		534	.008	70
RB1 08359	100621		680	.022	185
RB1 08360	100622		430	.009	78
RB1 08361	100623		748	.007	61
RB1 08362	100624		509	.009	77
RB1 08363	100625		409	.005	35
RB1 08364	100626		516	.037	334
RB1 08365	100627		603	.068	608
RB1 08366	100628 PDH-WH81-4		202	.005	34
RB1 08367	100629 ↓		318	.003	20
RB1 08368	100630		581	.019	150

REPORTING DATE 20 JUL 1981

SAMPLE NUMBER	FIELD NUMBER	Cu(1) %	Cu PPM	Mo(1) %	Mo PPM
RB1 08369	100631		1300	.013	100
RB1 08370	100632		950	.006	52
RB1 08371	100633		583	.003	24
RB1 08372	100634		576	.004	27
RB1 08373	100635		1250	.006	54
RB1 08374	100636		1158	.010	85
RB1 08375	100637		1000	.010	86
RB1 08376	100638		1100	.006	56
RB1 08377	100639		780	.004	38
RB1 08378	100640		800	.005	48
RB1 08379	100641		646	.004	39
RB1 08380	100642		600	.004	38
RB1 08381	100643		875	.006	42
RB1 08382	100644		710	.005	39
RB1 08383	100645		708	.005	41
RB1 08384	100646		713	.003	28
RB1 08385	100647		612	.004	24
RB1 08386	100648		985	.003	26
RB1 08387	100649		930	.006	57
RB1 08388	100650		707	.006	38
RB1 08389	100651		600	.004	36
RB1 08390	100652		586	.034	290
RB1 08391	100653		400	.014	143
RB1 08392	100654		1300	.020	187
RB1 08393	100655		975	.014	126
RB1 08394	100656		574	.010	84
RB1 08395	100657		463	.005	41
RB1 08396	100658		796	.007	63
RB1 08397	100659		540	.006	46
RB1 08398	100660		377	.004	27
RB1 08399	100661		610	.011	95
RB1 08400	100662		344	.002	20
RB1 08401	100663		440	.002	20
RB1 08402	100664		525	.006	52
RB1 08403	100665		477	.004	29
RB1 08404	100666		1314	.006	52
RB1 08405	100667		1000	.010	82
RB1 08406	100668		753	.004	27
RB1 08407	100669		914	.004	25
RB1 08408	100670		962	.005	34

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SAMPLE NUMBER	FIELD NUMBER	Cu(1) %	Cu PPM	Mo(1) %	Mo PPM
RB1 08409	100671		1090	.006	52
RB1 08410	100672		840	.005	31
RB1 08411	100673		920	.005	44
RB1 08412	100674		812	.004	36
RB1 08413	100675	PDH-WH81-6	310	.004	29
RB1 08414	100676	↓	212	.006	42
RB1 08415	100677		452	.008	62
RB1 08416	100678		345	.007	57
RB1 08417	100679		433	.005	44
RB1 08418	100680		483	.004	35
RB1 08419	100681		346	.007	52
RB1 08420	100682		510	.010	93
RB1 08421	100683		446	.013	104
RB1 08422	100684		668	.010	87
RB1 08423	100685		513	.009	80
RB1 08424	100686		590	.014	117
RB1 08425	100687		239	.052	437
RB1 08426	100688		407	.018	170
RB1 08427	100689		470	.008	66
RB1 08428	100690		510	.005	48
RB1 08429	100691		470	.006	52
RB1 08430	100692		464	.008	73
RB1 08431	100693		396	.012	116
RB1 08432	100694		464	.013	121
RB1 08433	100695		369	.006	53
RB1 08434	100696		353	.005	53
RB1 08435	100697		300	.010	108
RB1 08436	100698		459	.006	50
RB1 08437	100699	PDH-WH81-7	91	.001	5
RB1 08438	100700	↓	148	<.001	3
RB1 08439	100701		138	<.001	2
RB1 08440	100702		230	<.001	3
RB1 08441	100703		260	.001	45
RB1 08442	100704		608	.001	8
RB1 08443	100705		495	.002	17
RB1 08444	100706		1980	.001	14
RB1 08445	100707		461	<.001	8
RB1 08446	100708		215	.002	18
RB1 08447	100709		468	.002	21
RB1 08448	100710		652	.003	23

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REPORTING DATE 20 JUL 1981

SAMPLE NUMBER	FIELD NUMBER	Cu(1) %	Cu PPM	Mo(1) %	Mo PPM
RB1 08449	100711		183	.002	11
RB1 08450	100712		166	.001	8
RB1 08451	100713		1260	.001	10
RB1 08452	100714		547	.001	7
RB1 08453	100715		243	<.001	4
RB1 08454	100716		348	.001	5
RB1 08455	100717		4500	.001	4
RB1 08456	100718		1623	.020	186
RB1 08457	100719		790	.013	111
RB1 08458	100720		600	.008	63
RB1 08459	100721		I		
RB1 08460	100722		315	.002	12
RB1 08461	100723		277	.003	27
RB1 08462	100724		339	.004	32
RB1 08463	100725		220	.002	18
RB1 08464	100726		205	.002	17
RB1 08465	100727		252	.002	15
RB1 08466	100728		328	.002	19
RB1 08467	100729		539	.002	15
RB1 08468	100730		537	.002	15

PDH-WH81-7
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WHERE ANALYSIS REQUESTED BUT NO VALUES SHOWN, RESULTS ARE TO FOLLOW

I - INSUFFICIENT OR MISSING SAMPLE

ANALYTICAL METHODS

Mo HNO3 - HClO4 DIGESTION / COLORIMETRIC
 Cu AQUA REGIA DIGESTION / AA
 Cu(1) Mo(1) ASSAY

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APPENDIX C

ITEMIZED COST STATEMENT

STAFF SALARIES

D.L. Cooke	3 days @ \$251.53	= \$	754.59
H.P. Wilton (Field)	12 days @ \$233.93	=	2,807.16
(Report)	3 days @ \$233.93	=	701.79
R.K. Stelk (Field)	9 days @ \$117.92	=	1,061.28
(Report)	3 days @ \$117.92	=	353.76
R.L. Mawer	8 days @ \$ 80.96	=	647.68
A.J. Weiszmann	9 days @ \$ 99.44	=	894.96
			<hr/>
			\$ 7,221.22

PERCUSSION DRILLING

Contract charges			\$13,477.05
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BULLDOZING

Access and site preparation			\$ 2,983.95
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ASSAYS AND ANALYSES

Geochemical analyses	- 179 samples @ \$4.65	= \$	832.35
Cu assays	- 65 samples @ \$4.50	=	292.50
Mo assays	- 179 samples @ \$4.50	=	805.50
			<hr/>
			\$ 1,930.35

DOMICILE

Expense Accounts			\$ 2,996.43
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TRANSPORTATION

Truck Rental			\$ 906.30
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TOTAL EXPENDITURE:	=		<hr/>
			\$29,515.30

APPENDIX D

STATEMENT OF QUALIFICATIONS

I, H.P. WILTON, OF THE CITY OF PORT COQUITLAM IN THE PROVINCE OF BRITISH COLUMBIA, DO HEREBY CERTIFY:-

- 1) THAT I am a Geologist presently residing at 2456 Glenwood Avenue, Port Coquitlam, B.C., with a business address at 700-409 Granville Street, Vancouver, B.C.

- 2) THAT I am a graduate in Applied Geology with a B.A.Sc. in 1961 from the University of Toronto.

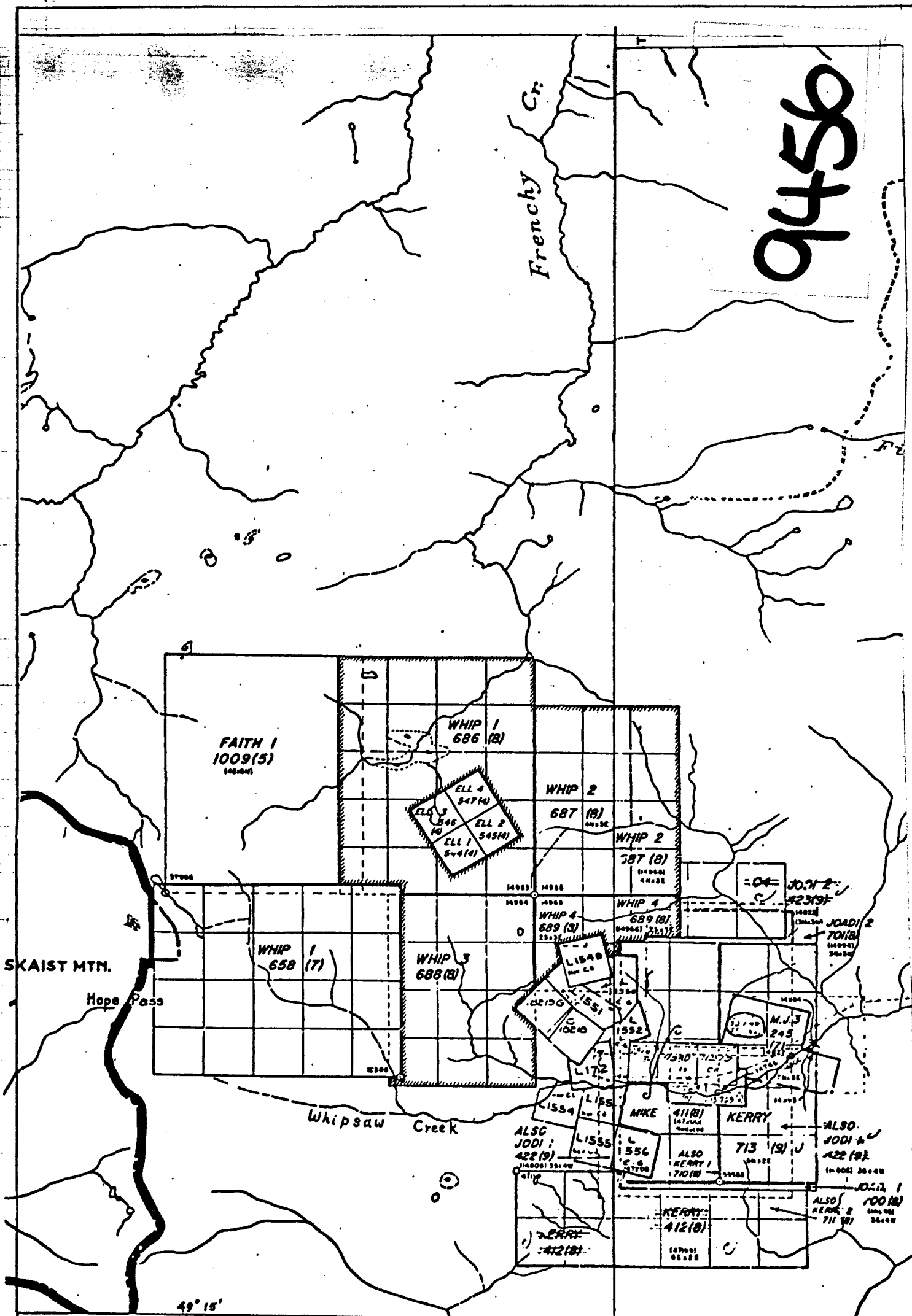
- 3) THAT I have practised my profession continuously since May, 1961.

DATED THIS 9th DAY OF September, 1981 AT VANCOUVER,
BRITISH COLUMBIA

Signed: 
H.P. Wilton

9 September 1981

9458



N.T.S. 92 H/7E,W

SIMILKAMEEN M.D.



Drawn by:		Traced by:	
Revised by	Date	Revised by	Date

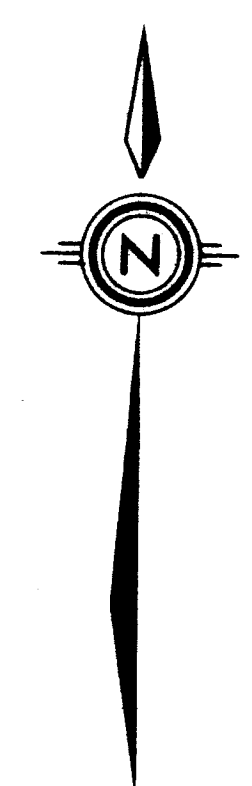
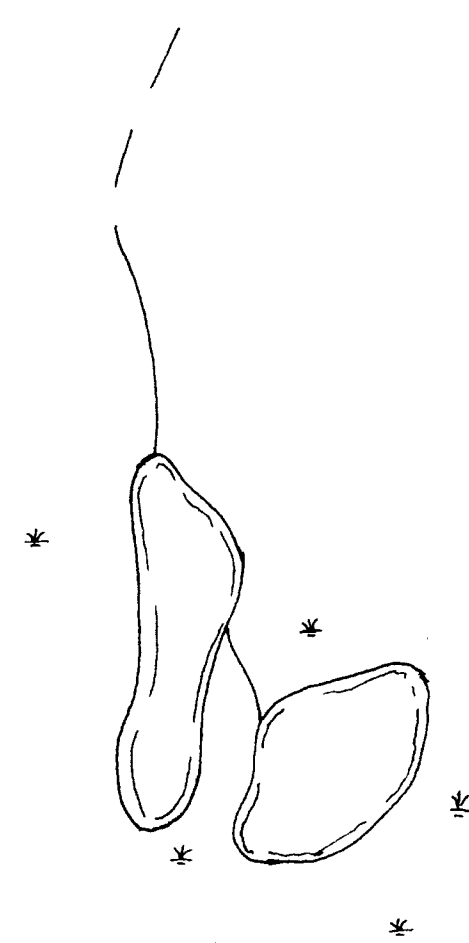
WHIP PROPERTY
INDEX MAP

Scale: 1 : 50,000

Date: SEPTEMBER, 1981

Plate: 81-1

HUDSON BAY MEADOWS

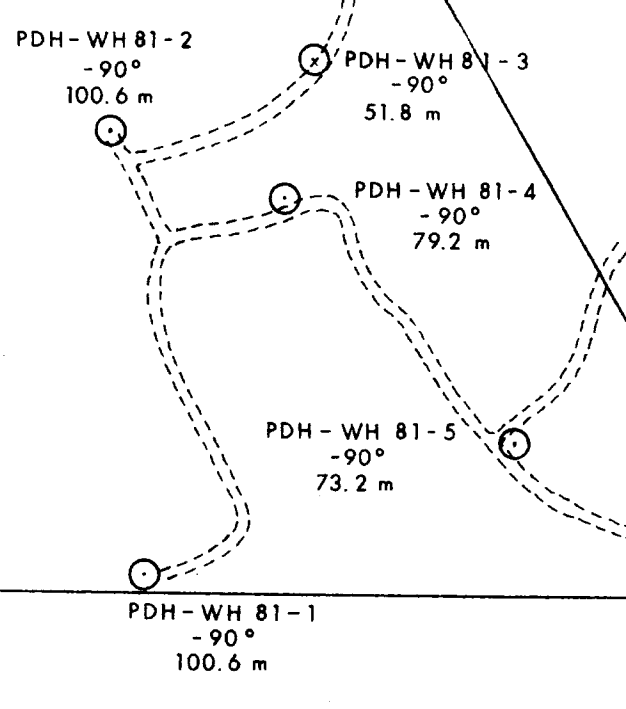


WHIP 1



WHIP 2

Fortyseven Mile Creek

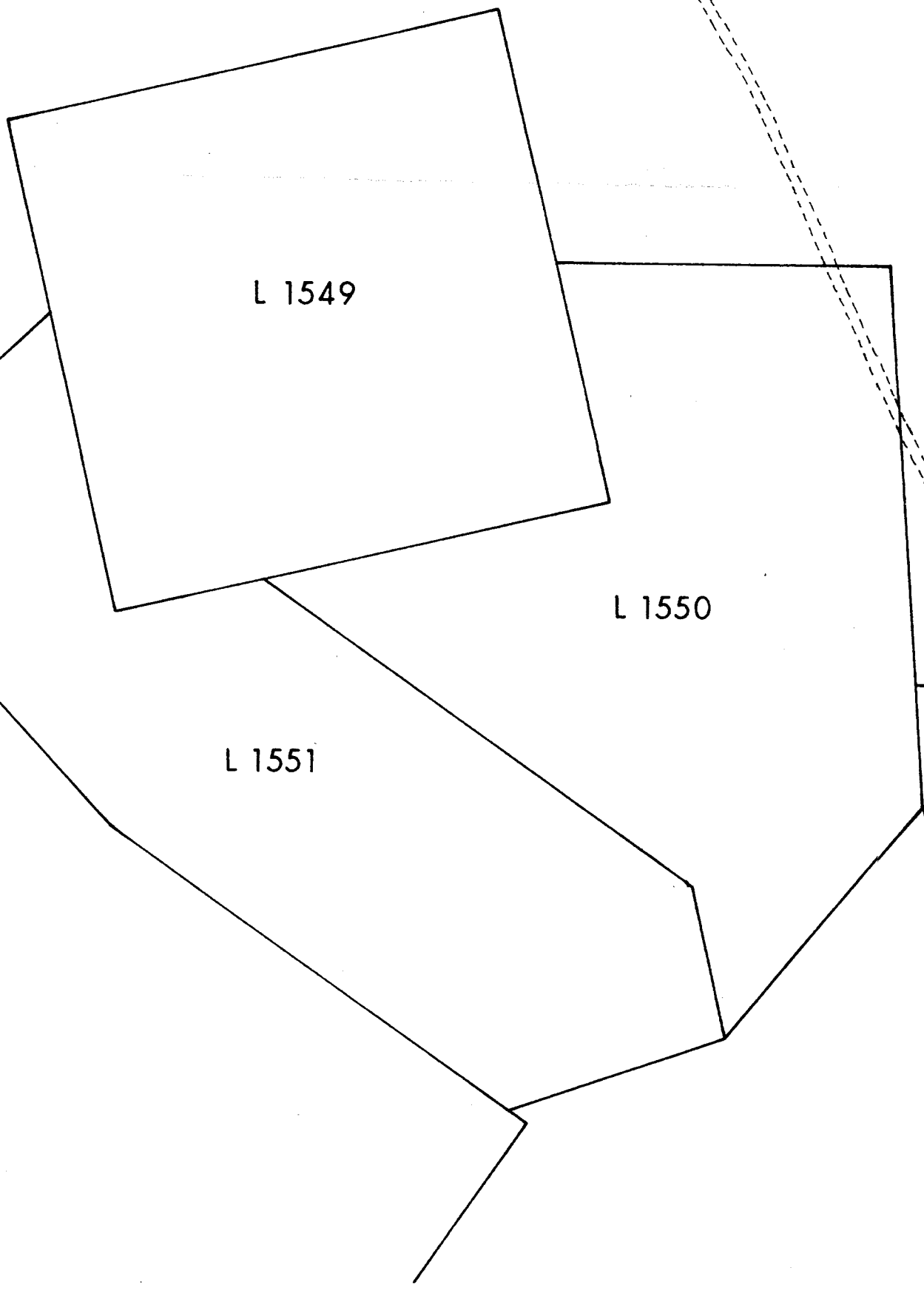


WHIP 4

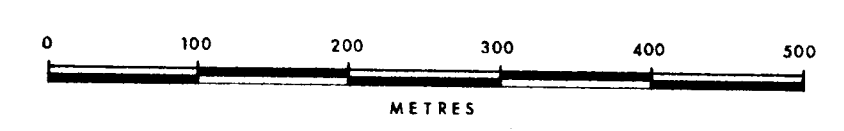
LEGEND

- Legal Corner Post and Claim Boundaries
- Percussion Drill Hole Collar
- Stream
- Pond
- Access Road
- Swamp

WHIP 3



NOTE:
Claim Post and Boundary locations established using topographic map, chain and compass.



9456

WHIP PROPERTY		N.T.S. 92 H/7W	
Drawn by:	Traced by:	PERCUSSION DRILL HOLE LOCATION MAP	
Revised by:	Revised by:		
Scale: 1 : 5000		Date: SEPTEMBER, 1981	Plate: 81 - 2