

84-#25 - 11936

COMINCO LTD.

EXPLORATION
NTS: 82L/4E

WESTERN DISTRICT
January 11, 1984

ASSESSMENT REPORT
ON A SOIL GEOCHEMICAL SURVEY
ON THE LOCH 1-3 MINERAL CLAIMS,
WIT PROPERTY, WHITEMAN CREEK AREA,
VERNON M.D., B.C.

(work performed from December 20, 1983 to January 17, 1984)

LATITUDE: 50°12'N

LONGITUDE: 119°35'W

REPORT BY:

D.T. MEHNER

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

11,936

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SUMMARY

The Wit property is a porphyry Mo prospect underlain by Tertiary volcanics and coeval intrusives 25 km WSW of Vernon B.C. Past silt geochem sampling in the area of the property has returned anomalous Au values. To test the possibility of Au or As mineralization occurring on the Loch mineral claims, 375 previously collected soil samples were analyzed for Au and As. The results of this program yielded very low Au and As values with only 4 samples containing greater than 10 ppb Au and no samples containing over 12 ppm As. The highest Au value was 133 ppb.

INTRODUCTION

The Wit property was staked in 1979 to protect Mo stream silt anomalies coming from an altered Tertiary stock along Whiteman Creek. Besides having good Mo values, three of the silt samples returned Au values of 190, 320 and 1768 ppb.

In 1983, 375 previously collected soil samples from the Wit property were analyzed for Au and As to determine whether Au and As mineralization might exist on the Loch claims.

LOCATION AND ACCESS

The property is located 25 km west-southwest of Vernon, B.C. on the south side of Whiteman Creek (Plate 1). Access is by truck via the road along the west shore of Okanagan Lake and then up Whiteman and South Whiteman Creeks along a good system of logging roads. The centre of the property is situated at about 119°35' W longitude, 50°12' N latitude.

TOPOGRAPHY AND VEGETATION

The property occurs at an elevation of 760-1430 m, along the north facing slope of the extremely steep Whiteman Creek valley. Spruce, pine, poplar, birch and willow occur on the property. Water for drilling is available from the numerous creeks, small swamps and Martin Lake.

PROPERTY AND OWNERSHIP

The Wit property is located in the Vernon mining division and is owned 100% by Cominco Ltd. It consists of the following claims:

<u>CLAIM</u>	<u>RECORD NO.</u>	<u>UNITS</u>	<u>DUE DATE</u>
Loch 1	593	3	Jan.25/84
Loch 2	594	12	Jan.25/84
Loch 3	595	6	Jan.25/84
Loch 5	870	6	June 13/85

PREVIOUS WORK

The first known work in the area, by Noranda in 1967, consisted of Cu-Mo soil geochemistry to follow-up a number of Mo stream silt anomalies (assessment report 1039). This work outlined an area at least 500 x 200 m of anomalous Mo soil values apparently derived from an altered syenite-quartz latite porphyry stock. Six short pack sack ? holes (total of 75 m) were then drilled but the data from this work is not available. The property lapsed and was acquired by Cominco Ltd. in 1970. They did mapping and silt and soil geochemistry but the ground was dropped in 1972 due to a lack of interest in exploration for porphyry deposits. Cominco's work verified the Noranda data.

In 1974, Canadian Occidental completed a regional stream silt survey in south-central B.C., and located the same Mo anomalies that Noranda did in 1967. They staked the ground and in the succeeding three years did mapping and silt and soil geochemistry, mainly after Mo and U (assessment reports 5672, 6052 and 6572). Their work showed a Mo-Zn-Pb soil anomaly, about 3 x 2 km, centered on three zones of bleached and altered latite porphyry. No drilling has been done by them to date. Following the completion of the above work, in 1977, Kennco re-evaluated some of their old data on the alteration and staked the Whiteman 1 and 2 claims, adjacent on the west to the Canadian Occidental property. Work done by them consisted of silt, rock and soil geochemistry which defined a number of F and Mo soil anomalies (assessment report 6738). Their property was optioned to U.S. Steel who did an IP survey in 1979.

Cominco staked the Loch 1-5 claims in the spring of 1979 and have since carried out silt, soil and rock geochemical surveys and 1:5000 scale geological mapping (Osatenko, 1980; Mehner 1981).

REGIONAL GEOLOGY

The oldest rocks in the Wit property area are gneisses and schists of Proterozoic or possibly of early Paleozoic age (Okulitch 1979, Plate 2 this report). They are overlain by a sequence of argillaceous rocks with minor limestone, basalt and rhyolite (flows and tuffs) of presumed Upper Paleozoic or possibly in part of Upper Triassic age. Cutting these rocks are small ultramafic-monzonite complexes such as those found at Whiterocks Mtn., about 26 km to the southwest, and Kruger Mtn. near Keremeos. Surrounding and on the Wit property are late Jurassic granitic rocks of the Okanagan complex which just to the south have a Rb-Sr date of 150 ± 5 M.Y. (Medford et al, 1983). Following this episode was a period of early Tertiary plutonism which formed plugs and stocks of alkalic composition (monzonite, syenite) and small bodies of quartz-feldspar and quartz latite porphyry. No mineralization on the Wit property is related to this latter event. Coeval with the calc-alkaline Tertiary intrusive rocks are large volumes of basalt and rhyolite.

SOIL GEOCHEMISTRY

Soil geochem surveys were carried out over the Loch mineral claims in 1979 and 1980 (Osatenko, 1980; Mehner 1981). The samples were collected from the "B" soil horizon where present and were sent to Cominco's laboratory in Vancouver where they were analyzed for Cu, Zn and Mo.

In 1983, 375 of these samples were analyzed for Au and As by Cominco's laboratory in Vancouver. The results are plotted on Plate 3 and listed in Appendix "B".

Arsenic values were determined using pyrosulphate fusion followed by a colorimetric technique. Gold analysis involved aqua regia decomposition followed by solvent extraction and atomic absorption.

The objective of re-examining the old soil samples for Au and As was to follow up the anomalous Au silt values previously obtained in the area and determine if any anomalous Au or As zones were present on the Loch claims.

The results obtained are very low with only 4 of 365 samples (10 contained insufficient material to do a Au analysis) containing greater than 10 ppb Au and the highest value being 133 ppb. Arsenic values are similarly low with none of the 375 samples containing greater than 12 ppm As.

CONCLUSIONS

Analyses of old soil samples for Au and As yielded very low values.

REFERENCES

- Medford, G.A., Armstrong, R.L., Osatenko, M.J., 1983 Rb-Sr Dating of Paleozoic(?) Mesozoic and Cenozoic Intrusive Rocks, Okanagan Lake Region, Southern British Columbia, Canada; Canadian Journal of Earth Sciences, Vol.20, pp.1579-1585
- Mehner, D.T., 1981 Assessment Report on a Soil and Rock Geochemical Survey and Geological Mapping of the Wit Property (Loch 1 to 5 Claims), Whiteman Creek, Vernon M.D. Assessment Report No. 8905
- Okulitch, A.V., 1979 Geology and Mineral Occurrences of the Thompson-Shuswap-Okanagan Region; South Central B.C. (Parts of NTS 82 and 92); Scale 1:250,000. G.S.C. Open File 637
- Osatenko, M.J., 1980 Assessment Report of Geology and Soil Geochemistry on the Wit Property (Loch 1 to 5 Claims), Whiteman Creek, Vernon M.D., Assessment Report No. 7811

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Distribution:
Dept. of Mines(2) ✓
W.D. File(1)
Vernon File(1)

APPENDIX "A"

STATEMENT OF EXPENDITURES

SALARIES

D. Mehner, Report writing Jan.6/84
(1 day @ \$185/day) \$ 185.00

D. Pauls, Drafting, Jan.6/84
(1 day @ \$111/day) 111.00

ANALYSES

375 Soil Samples analyzed for As
and 365 analyzed for Au 3,138.00

TOTAL \$ 3,434.00

REPORTING DATE 20 DEC 1983

SAMPLE NUMBER	FIELD NUMBER	TYPE	MAP	E/W	N/S	AU PPB	WT AU GRAM	As PPM
S83 25800	WHL35-2.5W	S				<10	6	2
S83 25801	WHL35-3.0W	S				<10	10	<2
S83 25802	WHL35-3.5W	S				<10	10	2
S83 25803	WHL35-4.0W	S				<10	10	2
S83 25804	WHL35-4.5W	S				<10	7.5	<2
S83 25805	WHL35-5.0W	S				<10	10	2
S83 25806	WHL35-5.5W	S				<10	10	3
S83 25807	WHL35-6.0W	S				<10	10	4
S83 25808	WHL35-6.5W	S				<10	7.5	<2
S83 25809	WHL35-7.0W	S				<10	7.5	3
S83 25810	WHL35-7.5W	S				<10	10	<2
S83 25811	WHL35-8.0W	S				<10	10	4
S83 25812	WHL35-9.0W	S				<10	10	<2
S83 25813	WHL35-9.5W	S				<10	7.5	9
S83 25814	WHL35-10.0W	S				1	1	5
S83 25815	WHL35-10.5W	S				1	1	6
S83 25816	WHL35-11.0W	S				<10	10	6
S83 25817	WHL35-11.5W	S				<10	10	7
S83 25818	WHL35-12.0W	S				<10	7.5	8
S83 25819	WHL35-12.5W	S				133	7.5	9
S83 25820	WHL35-13.5W	S				<10	10	3
S83 25821	WHL35-14.0W	S				<10	10	11
S83 25822	WHL35-14.5W	S				<10	10	5
S83 25823	WHL35-15.0W	S				<10	10	6
S83 25824	WHL35-16.0W	S				1	1	8
S83 25825	WHL35-16.5W	S				<10	10	5
S83 25826	WHL40-11.0W	S				<10	10	5
S83 25827	WHL40-11.5W	S				<10	10	5
S83 25828	WHL40-12.0W	S				<10	10	6
S83 25829	WHL40-12.5W	S				<10	5	4
S83 25830	WHL40-13.0W	S				<10	10	7
S83 25831	WHL30-93.0E	S				<10	10	6
S83 25832	WHL30-9.5E	S				<10	10	7
S83 25833	WHL30-10.0E	S				<10	7.5	2
S83 25834	WHL30-10.5E	S				<10	5	11
S83 25835	WHL30-11.0E	S				1	1	6
S83 25836	WHL30-11.5E	S				<10	7.5	3
S83 25837	WHL30-12.0E	S				<10	7.5	5

Au and As Geochem Values
 From the Loch Mineral Claims

REPORTING DATE 20 DEC 1983

SAMPLE NUMBER	FIELD NUMBER	TYPE	MAP	E/W	N/S	AU PPB	WT-AU GRAM	As PPM
S83 25838	WHL30-12.5E	S				<10	10	6
S83 25839	WHL30-13.0E	S				<10	10	3
S83 25840	WHL30-13.5E	S				<10	10	7
S83 25841	WHL30-14.0E	S				<10	10	3
S83 25842	WHL30-14.5E	S				<10	10	6
S83 25843	WHL30-15.0E	S				<10	7.5	11
S83 25844	WHL30-15.5E	S				<10	10	5
S83 25845	WHL25-7.5E	S				<10	7.5	8
S83 25846	WHL25-8.0E	S				<10	10	<2
S83 25847	WHL25-8.5E	S				<10	10	2
S83 25848	WHL25-9.0E	S				I	I	6
S83 25849	WHL25-9.5E	S				30	10	5
S83 25850	WHL25-10.0E	S				<10	10	8
S83 25851	WHL25-10.5E	S				<10	10	6
S83 25852	WHL25-11.0E	S				<10	10	4
S83 25853	WHL25-12.0E	S				<10	6	7
S83 25854	WH6N-0E	S				<10	10	4
S83 25855	WH6N-1E	S				<10	7.5	10
S83 25856	WH6N-2E	S				I	I	10
S83 25857	WH6N-3E	S				<10	10	7
S83 25858	WH6N-4E	S				<10	10	2
S83 25859	WH6N-5E	S				<10	10	6
S83 25860	WH6N-6E	S				<10	10	7
S83 25861	WH6N-7E	S				<10	10	<2
S83 25862	WH6N-8E	S				<10	10	7
S83 25863	WH6N-9E	S				<10	10	<2
S83 25864	WH6N-10E	S				<10	10	3
S83 25865	WH6N-11E	S				<10	10	6
S83 25866	WH6N-12E	S				<10	7.5	3
S83 25867	WH6N-13E	S				<10	10	5
S83 25868	WH6N-14E	S				<10	7.5	5
S83 25869	WH6N-15E	S				<10	10	8
S83 25870	WH6N-16E	S				<10	10	7
S83 25871	WH6N-17E	S				<10	10	2
S83 25872	WH6N-18E	S				<10	10	6
S83 25873	WH6N-19E	S				<10	7.5	6
S83 25874	WH6N-20.5E	S				<10	7.5	3
S83 25875	WH6N-21.0E	S				<10	10	6

REPORTING DATE 20 DEC 1983

SAMPLE NUMBER	FIELD NUMBER	TYPE	MAP	E/W	N/S	Au	Wt Au	As
						PPB	GRAM	PPM
983 25876	WH6N-21.5E	S				<10	7.5	4
983 25877	WH6N-22.5E	S				<10	7.5	5
983 25878	WH6N-22.5E	S				<10	10	10
983 25879	WH6N-23.0E	S				<10	10	11
983 25880	WH6N-23.5E	S				<10	10	7
983 25881	WH6N-24.0E	S				<10	6	11
983 25882	WH6N-24.5E	S				<20	2.5	3
983 25883	WH6N-25.5E	S				<20	2.5	5
983 25884	WH6N-25.5E	S				<20	2.5	9
983 25885	WH6N-26.5E	S				<10	6	2
983 25886	WH6N-26.5E	S				<10	10	3
983 25887	WH6N-27.0E	S				<20	2.5	7
983 25888	WH6N-27.5E	S				<10	10	6
983 25889	WH6N-28.0E	S				<10	10	<2
983 25890	WH6N-28.5E	S				<10	10	7
983 25891	WH6N-29.0E	S				<20	2.5	8
983 25892	WH6N-29.5E	S				<10	7.5	7
983 25893	WH6N-30.0E	S				<10	10	9
983 25894	WH6N-30.5E	S				<10	6	7
983 25895	WH6N-31.5E	S				<10	6	2
983 25896	WH6N-31.5E	S				<10	7.5	7
983 25897	WH6N-32.0E	S				<10	7.5	8
983 25898	WH6N-32.5E	S				<10	6	8
983 25899	WH6N-33.0E	S				<10	7.5	<2
983 25900	WH6N-33.5E	S				<10	10	12
983 25901	WH6N-34.0E	S				<20	2.5	5
983 25902	WH6N-34.5E	S				<10	7.5	5
983 25903	WH6N-35.0E	S				<10	10	<2
983 25904	WH6N-35.5E	S				<10	7.5	10
983 25905	WH6N-36.0E	S				<10	10	9
983 25906	WH6N-36.5E	S				<10	7.5	4
983 25907	WH6N-37.0E	S				<10	10	10
983 25908	WH6N-37.5E	S				<10	10	6
983 25909	WH6N-38.0E	S				<10	10	7
983 25910	WH6N-38.5E	S				<10	10	8
983 25911	WH6N-39.0E	S				<10	6	6
983 25912	WH6N-39.5E	S				<10	10	2
983 25913	WH6N-40.0E	S				<10	10	5

REPORTING DATE 20 DEC 1983

SAMPLE NUMBER	FIELD NUMBER	TYPE	MAP	E/W	N/S	AU PPB	WT AU GRAM	As PPM
S83 25914	WH6N-40.5E	S				<10	6	8
S83 25915	WH6N-41.0E	S				<10	7.5	2
S83 25916	WH6N-41.5E	S				<20	2.5	9
S83 25917	WH6N-42.0E	S				<10	10	8
S83 25918	WH6N-42.5E	S				<10	6	8
S83 25919	WH6N-43.0E	S				<10	10	6
S83 25920	WH6N-43.5E	S				<10	7.5	4
S83 25921	WH6N-44.0E	S				<10	10	9
S83 25922	WH6N-44.5E	S				<10	10	7
S83 25923	WH6N-45.0E	S				<10	5	11
S83 25924	WH0N-0E	S				<10	10	5
S83 25925	WH0N-1E	S				<10	6	7
S83 25926	WH0N-2E	S				<10	7.5	2
S83 25927	WH0N-3E	S				<10	6	9
S83 25928	WH0N-4E	S				<10	10	9
S83 25929	WH0N-5E	S				<10	10	8
S83 25930	WH0N-6E	S				<10	7.5	10
S83 25931	WH0N-7E	S				<10	10	8
S83 25932	WH0N-8E	S				21	10	11
S83 25933	WH0N-9E	S				<10	10	8
S83 25934	WH0N-10E	S				<10	7.5	7
S83 25935	WH0N-11E	S				<10	6	5
S83 25936	WH0N-12E	S				<10	7.5	7
S83 25937	WH0N-13E	S				<10	7.5	2
S83 25938	WH0N-14E	S				<20	2.5	5
S83 25939	WH0N-15E	S				<10	7.5	5
S83 25940	WH0N-16E	S				<10	10	8
S83 25941	WH0N-17E	S				<10	10	9
S83 25942	WH0N-18E	S				<10	10	3
S83 25943	WH0N-19E	S				<10	10	4
S83 25944	WH0N-20E	S				<10	10	6
S83 25945	WH0N-21E	S				<10	10	4
S83 25946	WH0N-22E	S				<10	10	8
S83 25947	WH0N-23E	S				<10	10	2
S83 25948	WH0N-24E	S				<10	10	7
S83 25949	WH0N-25E	S				<10	10	6
S83 25950	WH0N-26E	S				<10	10	7
S83 25951	WH0N-27E	S				<10	7.5	10

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SAMPLE NUMBER	FIELD NUMBER	TYPE	MAP	E/W	N/S	Au	Wt Au	As
						PPB	GRAM	PPM
S83 25952	WH0N-28E	S				<10	10	4
S83 25953	WH0N-29E	S				<10	10	6
S83 25954	WH0N-30E	S				<10	10	5
S83 25955	WH0N-31E	S				<10	10	5
S83 25956	WH0N-32E	S				<10	10	4
S83 25957	WH0N-33E	S				<10	10	8
S83 25958	WH0N-34E	S				<10	10	10
S83 25959	WH0N-35E	S				<10	10	<2
S83 25960	WH0N-36E	S				<10	10	9
S83 25961	WH0N-37E	S				<10	10	10
S83 25962	WH0N-38E	S				<10	10	6
S83 25963	WH0N-39E	S				<10	10	2
S83 25964	WH0N-40E	S				<10	10	7
S83 25965	WH40-13.5W	S				<10	6	6
S83 25966	WH40-14.0W	S				<10	6	5
S83 25967	WH40-14.5W	S				<10	7.5	8
S83 25968	WH40-15.0W	S				<10	7.5	2
S83 25969	WH40-15.5W	S				<10	6	6
S83 25970	WH40-16.0W	S				<10	10	2
S83 25971	WH40N-16.5W	S				<10	5	3
S83 25972	WH3N-0E	S				<10	10	7
S83 25973	WH3N-1E	S				<10	7.5	6
S83 25974	WH3N-2E	S				<10	7.5	9
S83 25975	WH3N-3E	S				<10	7.5	11
S83 25976	WH3N-4E	S				<10	10	8
S83 25977	WH3N-5E	S				<10	10	8
S83 25978	WH3N-6E	S				<10	10	5
S83 25979	WH3N-7E	S				<10	10	7
S83 25980	WH3N-8E	S				<10	7.5	6
S83 25981	WH3N-9E	S				<20	2.5	<2
S83 25982	WH3N-10E	S				<10	10	7
S83 25983	WH3N-12E	S				<10	10	11
S83 25984	WH3N-13E	S				<10	10	2
S83 25985	WH3N-14E	S				<10	7.5	4
S83 25986	WH3N-15E	S				<10	10	2
S83 25987	WH3N-16E	S				<10	10	2
S83 25988	WH3N-17E	S				<10	6	10
S83 25989	WH3N-18E	S				<10	10	3

REPORTING DATE 20 DEC 1983

SAMPLE NUMBER	FIELD NUMBER	TYPE	MAP	E/W	N/S	AU PPB	WT AU GRAM	AS PPM
S83 25990	WH3N-19E	S				<10	10	5
S83 25991	WH3N-20E	S				<10	10	6
S83 25992	WH3N-21E	S				<10	10	5
S83 25993	WH3N-22E	S				<10	10	9
S83 25994	WH3N-23E	S				<10	10	2
S83 25995	WH3N-24E	S				<10	10	5
S83 25996	WH3N-25E	S				<10	10	8
S83 25997	WH3N-26E	S				<10	7.5	5
S83 25998	WH3N-27E	S				30	10	9
S83 25999	WH3N-28E	S				<10	10	4
S83 26000	WH3N-29E	S				<10	10	8
S83 26001	WH3N-30E	S				<10	10	8
S83 26002	WH3N-31E	S				<10	10	10
S83 26003	WH3N-32E	S				<10	5	<2
S83 26004	WH3N-33E	S				<10	10	5
S83 26005	WH3N-34E	S				<10	7.5	9
S83 26006	WH3N-35E	S				<10	7.5	5
S83 26007	WH3N-36E	S				<10	7.5	7
S83 26008	WH3N-37E	S				<10	7.5	11
S83 26009	WH3N-38E	S				<10	7.5	9
S83 26010	WH3N-39E	S				<10	7.5	8
S83 26011	WH3N-40E	S				<10	10	2
S83 26012	WH3N-41E	S				<10	10	3
S83 26013	WH3N-42E	S				<10	7.5	3
S83 26014	WH3N-43E	S				<10	10	6

REPORTING DATE 22 DEC 1983

SAMPLE NUMBER	FIELD	NUMBER	TYPE	MAP	E/W	N/S	AU PPB	Wt Au GRAM	As PPM
S80 44682	1.5N	0	E	S			<10	10	<2
S80 44683	1.5N	50	E	S			<10	10	5
S80 44684	1.5N	100	E	S			<10	10	<2
S80 44685	1.5N	150	E	S			<10	10	<2
S80 44686	1.5N	200	E	S			<10	10	<2
S80 44687	1.5N	250	E	S			<10	10	<2
S80 44688	1.5N	300	E	S			<10	10	2
S80 44689	1.5N	350	E	S			<10	10	<2
S80 44690	1.5N	400	E	S			<10	10	<2
S80 44691	1.5N	450	E	S			<10	10	<2
S80 44692	1.5N	500	E	S			<10	10	<2
S80 44693	1.5N	550	E	S			<10	10	<2
S80 44694	1.5N	600	E	S			<10	10	<2
S80 44695	1.5N	650	E	S			<10	10	<2
S80 44696	1.5N	700	E	S			<10	10	4
S80 44697	1.5N	750	E	S			<10	10	2
S80 44698	1.5N	800	E	S			<10	10	<2
S80 44699	1.5N	850	E	S			<10	10	<2
S80 44700	1.5N	900	E	S			I	I	<2
S80 44701	1.5N	950	E	S			<20	2.5	2
S80 44702	1.5N	1000	E	S			<10	6	2
S80 44703	1.5N	1050	E	S			I	I	2
S80 44704	1.5N	1100	E	S			I	I	2
S80 44705	1.5N	1150	E	S			I	I	<2
S80 44706	1.5N	1200	E	S			<10	10	<2
S80 44707	1.5N	1250	E	S			<10	10	2
S80 44708	1.5N	1300	E	S			<10	10	<2
S80 44709	1.5N	1350	E	S			<10	10	<2
S80 44710	1.5N	1400	E	S			<10	10	<2
S80 44711	1.5N	1450	E	S			<10	10	<2
S80 44712	1.5N	1500	E	S			<10	10	<2
S80 44713	1.5N	1550	E	S			<10	10	2
S80 44714	1.5N	1600	E	S			<10	10	2
S80 44715	1.5N	1650	E	S			<10	10	<2
S80 44716	1.5N	1700	E	S			<10	10	2
S80 44717	1.5N	1750	E	S			<10	10	<2
S80 44718	1.5N	1800	E	S			<10	10	<2
S80 44719	1.5N	1850	E	S			<10	10	<2

REPORTING DATE 22 DEC 1983

SAMPLE NUMBER	FIELD NUMBER	TYPE	MAP	E/W	N/S	AU PPB	Wt Au GRAM	As PPM
S80 44720	1.5N 1900	E	S			<10	10	2
S80 44721	1.5N 1950	E	S			<10	10	2
S80 44722	1.5N 2000	E	S			<10	10	2
S80 44723	1.5N 2050	E	S			<10	10	<2
S80 44724	1.5N 2100	E	S			<10	10	2
S80 44725	1.5N 2150	E	S			<10	10	2
S80 44726	1.5N 2200	E	S			<10	10	<2
S80 44727	1.5N 2250	E	S			<10	10	2
S80 44728	1.5N 2300	E	S			<10	10	3
S80 44729	1.5N 2350	E	S			<10	10	<2
S80 44730	1.5N 2400	E	S			<10	10	<2
S80 44731	1.5N 2450	E	S			<10	10	2
S80 44732	1.5N 2500	E	S			<10	10	<2
S80 44733	1.5N 2550	E	S			<10	10	2
S80 44734	1.5N 2600	E	S			<10	10	2
S80 44735	1.5N 2650	E	S			<10	10	<2
S80 44736	1.5N 2700	E	S			<10	10	<2
S80 44737	1.5N 2750	E	S			<10	10	2
S80 44738	1.5N 2800	E	S			<10	10	<2
S80 44739	1.5N 2850	E	S			<10	10	<2
S80 44740	1.5N 2900	E	S			<10	10	<2
S80 44741	1.5N 2950	E	S			<10	10	<2
S80 44742	1.5N 3000	E	S			<10	10	<2
S80 44743	1.5N 3050	E	S			<10	10	<2
S80 44744	1.5N 3100	E	S			<10	10	2
S80 44745	1.5N 3150	E	S			<10	10	<2
S80 44746	1.5N 3200	E	S			<10	10	<2
S80 44747	1.5N 3250	E	S			<10	10	2
S80 44748	1.5N 3300	E	S			<10	10	<2
S80 44749	1.5N 3350	E	S			<10	10	2
S80 44750	1.5N 3400	E	S			<10	10	<2
S80 44751	1.5N 3450	E	S			<10	10	<2
S80 44752	1.5N 3500	E	S			<10	10	2
S80 44753	1.5N 3550	E	S			<10	10	<2
S80 44754	1.5N 3600	E	S			<10	10	<2
S80 44755	1.5N 3650	E	S			<10	10	2
S80 44756	1.5N 3700	E	S			<10	10	<2
S80 44757	1.5N 3750	E	S			<10	10	<2

REPORTING DATE 22 DEC 1983

SAMPLE NUMBER	FIELD NUMBER		TYPE	MAP	E/W	N/S	Au	Wt Au	As
							PPB	GRAM	PPM
S80 44758	1.5N	3800	E	S			<10	10	<2
S80 44759	1.5N	3850	E	S			<10	6	2
S80 44760	1.5N	3950	E	S			<10	10	2
S80 44761	1.5N	4000	E	S			<10	10	<2
S80 44762	4.5N	0	E	S			<10	10	<2
S80 44763	4.5N	50	E	S			<10	7.5	2
S80 44764	4.5N	100	E	S			<10	10	2
S80 44765	4.5N	150	E	S			<10	10	<2
S80 44766	4.5N	200	E	S			<10	10	<2
S80 44767	4.5N	250	E	S			<10	10	2
S80 44768	4.5N	300	E	S			<10	10	<2
S80 44769	4.5N	350	E	S			<10	10	2
S80 44770	4.5N	400	E	S			<10	10	2
S80 44771	4.5N	450	E	S			<10	10	<2
S80 44772	4.5N	500	E	S			<10	10	2
S80 44773	4.5N	550	E	S			<10	10	<2
S80 44774	4.5N	600	E	S			<20	2.5	<2
S80 44775	4.5N	650	E	S			<10	10	<2
S80 44776	4.5N	700	E	S			<10	10	2
S80 44777	4.5N	750	E	S			<10	10	<2
S80 44778	4.5N	800	E	S			<10	10	2
S80 44779	4.5N	850	E	S			<10	10	<2
S80 44780	4.5N	900	E	S			<10	10	<2
S80 44781	4.5N	950	E	S			<10	7.5	2
S80 44782	4.5N	1000	E	S			<10	10	<2
S80 44783	4.5N	1050	E	S			12	10	<2
S80 44784	4.5N	1100	E	S			<10	6	<2
S80 44785	4.5N	1150	E	S			<10	10	<2
S80 44786	4.5N	1200	E	S			<10	7.5	2
S80 44787	4.5N	1250	E	S			<10	7.5	2
S80 44788	4.5N	1300	E	S			<10	10	<2
S80 44789	4.5N	1350	E	S			<10	10	<2
S80 44790	4.5N	1400	E	S			<10	10	<2
S80 44791	4.5N	1450	E	S			<10	7.5	<2
S80 44792	4.5N	1500	E	S			<10	10	2
S80 44793	4.5N	1550	E	S			<10	10	<2
S80 44794	4.5N	1600	E	S			<10	10	<2
S80 44795	4.5N	1650	E	S			<10	10	<2

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SAMPLE NUMBER	FIELD NUMBER	TYPE	MAP	E/W	N/S	Au PPB	Wt Au GRAM	As PPM
S80 44796	4.5N 1700	E	S			<10	5	<2
S80 44797	4.5N 1750	E	S			<10	10	2
S80 44798	4.5N 1800	E	S			<10	10	<2
S80 44799	4.5N 1850	E	S			<10	10	<2
S80 44800	4.5N 1900	E	S			<10	10	<2
S80 44801	4.5N 1950	E	S			<10	10	<2
S80 44802	4.5N 2000	E	S			<10	10	<2
S80 44803	4.5N 2050	E	S			<10	10	<2
S80 44804	4.5N 2150	E	S			<10	5	2
S80 44805	4.5N 2200	E	S			<10	10	<2
S80 44806	4.5N 2250	E	S			<10	10	<2
S80 44807	4.5N 2300	E	S			<10	10	<2
S80 44808	4.5N 2350	E	S			<10	7.5	2
S80 44809	4.5N 2400	E	S			<10	10	<2
S80 44810	4.5N 2450	E	S			<10	10	<2
S80 44811	4.5N 2500	E	S			<10	10	2
S80 44812	4.5N 2550	E	S			<10	10	<2
S80 44813	4.5N 2600	E	S			<10	10	<2
S80 44814	4.5N 2650	E	S			<10	10	<2
S80 44815	4.5N 2700	E	S			<10	10	<2
S80 44816	4.5N 2750	E	S			<10	7.5	2
S80 44817	4.5N 2800	E	S			<10	10	<2
S80 44818	4.5N 2850	E	S			<10	7.5	<2
S80 44819	4.5N 2900	E	S			<10	10	2
S80 44820	4.5N 2950	E	S			<10	10	<2
S80 44821	4.5N 3000	E	S			10	10	<2
S80 44822	4.5N 3050	E	S			<10	10	<2
S80 44823	4.5N 3100	E	S			<10	6	<2
S80 44824	4.5N 3150	E	S			<10	10	2
S80 44825	4.5N 3200	E	S			<10	10	<2
S80 44826	4.5N 3250	E	S			<10	10	<2
S80 44827	4.5N 3300	E	S			<10	7.5	<2
S80 44828	4.5N 3350	E	S			<10	7.5	<2
S80 44829	4.5N 3400	E	S			<10	7.5	<2
S80 44830	4.5N 3450	E	S			<10	7.5	2
S80 44831	4.5N 3500	E	S			<10	7.5	2
S80 44832	4.5N 3550	E	S			<10	6	<2
S80 44833	4.5N 3600	E	S			<10	10	<2

REPORTING DATE 22 DEC 1983

SAMPLE NUMBER	FIELD NUMBER	TYPE	MAP	E/W	N/S	Au PPB	Wt Au GRAM	As PPM
S80 44834	4.5N 3650	E	S			<10	10	<2
S80 44835	4.5N 3700	E	S			<10	10	2
S80 44836	4.5N 3750	E	S			<10	10	<2
S80 44837	4.5N 3800	E	S			<10	10	<2
S80 44838	4.5N 3850	E	S			<10	10	<2
S80 44839	4.5N 3900	E	S			<10	10	2
S80 44840	4.5N 3950	E	S			<10	10	<2
S80 44841	4.5N 4000	E	S			<10	10	<2

WHERE ANALYSIS REQUESTED BUT NO VALUES SHOWN, RESULTS ARE TO FOLLOW
I - INSUFFICIENT OR MISSING SAMPLE

ANALYTICAL METHODS

Au AQUA REGIA DECOMPOSITION / SOLVENT EXTRACTION / AAS
As PYROSULPHATE FUSION / COLORIMETRIC
Wt Au THE WEIGHT OF SAMPLE TAKEN TO ANALYSE FOR GOLD (GEOCHEM)



11,936



82L SW

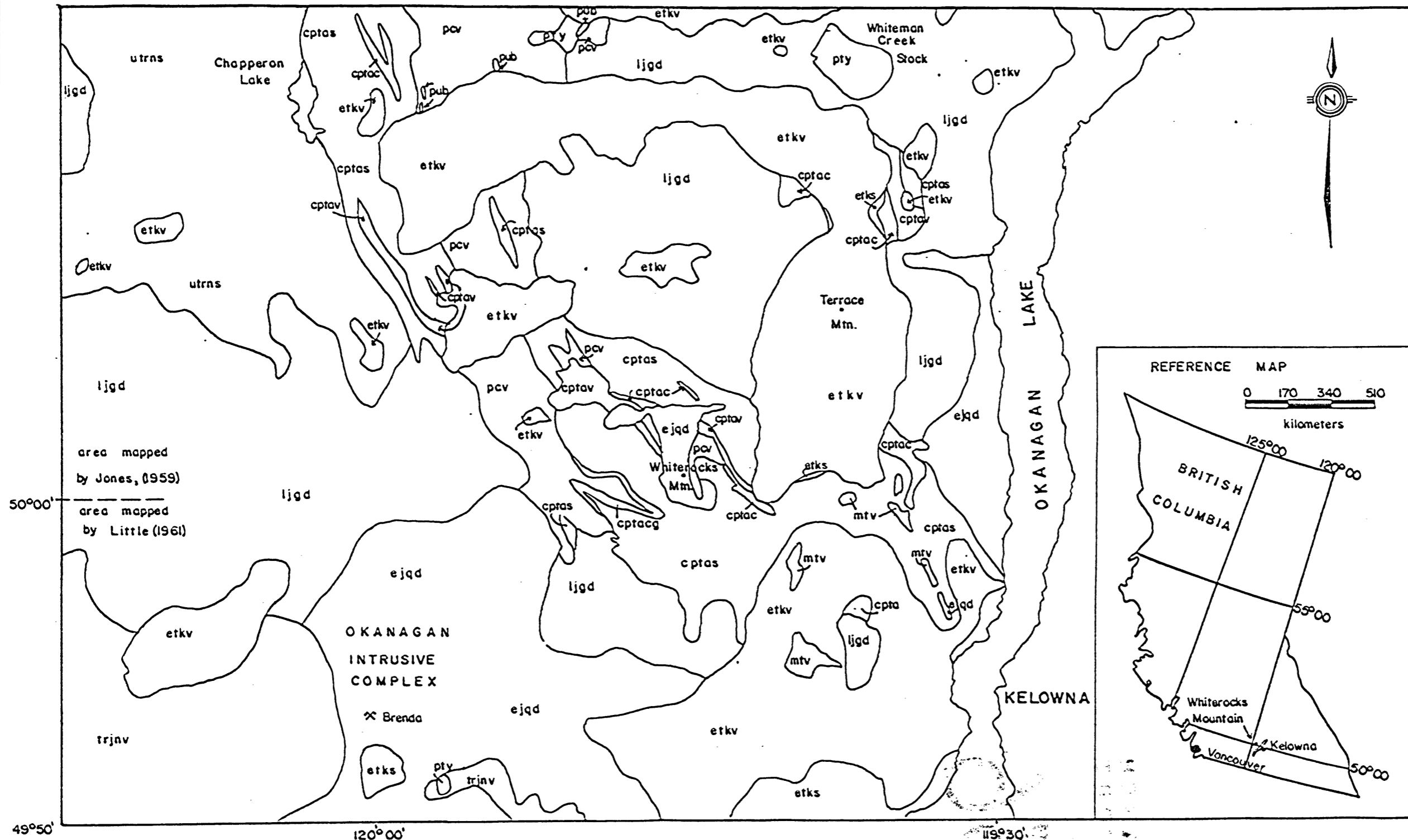
Drawn by: DVP		Traced by:	
Revised by	Date	Revised by	Date

**WIT PROPERTY/LOCH CLAIMS
LOCATION MAP.**

Scale: 1:125,000

Date: Jan. 12/84

Plate: /



LOCATION MAP AND GENERAL GEOLOGY OF THE WHITEMAN CREEK STOCK AREA

Triassic & Jurassic

trjnv Nicola Group: volcanics, sediments

Carboniferous & Permian ± Triassic

cpta Thompson: undivided Assemblage

cptas " argillite, sandstone, limestone

cptac " limestone, chert

cptav " greenstone, tuff

cptacg " conglomerate

Mississippian or Older

pub Old Dove Intrusions: ultramafics

pcv Chapperon Group: phyllites, schists

Tertiary: Miocene &/or Pliocene

mtv plateau lava, olivine basalt, andesite flows-ash

Eocene & (?) Oligocene

etkv Kamloops: andesite, basalt, dacite, trachyte flows, pyroclastics

etks " sediments

Paleocene or Eocene

pty Coryell Intrusives: syenite, granite, minor monzonite, shonkinite

Late Jurassic

ljgd Valhalla Intrusives: granodiorite, granite, minor gabbro, diorite, qtz. diorite

ejqd Nelson Intrusives: qtz. diorites, granodiorite, diorite, granite, gabbro, ultramafics

⊗ porphyry Cu-Mo deposit



modified from Okulitch, 1979

LOCH CLAIMS



Drawn by: DVP Traced by:

Revised by Date Revised by Date

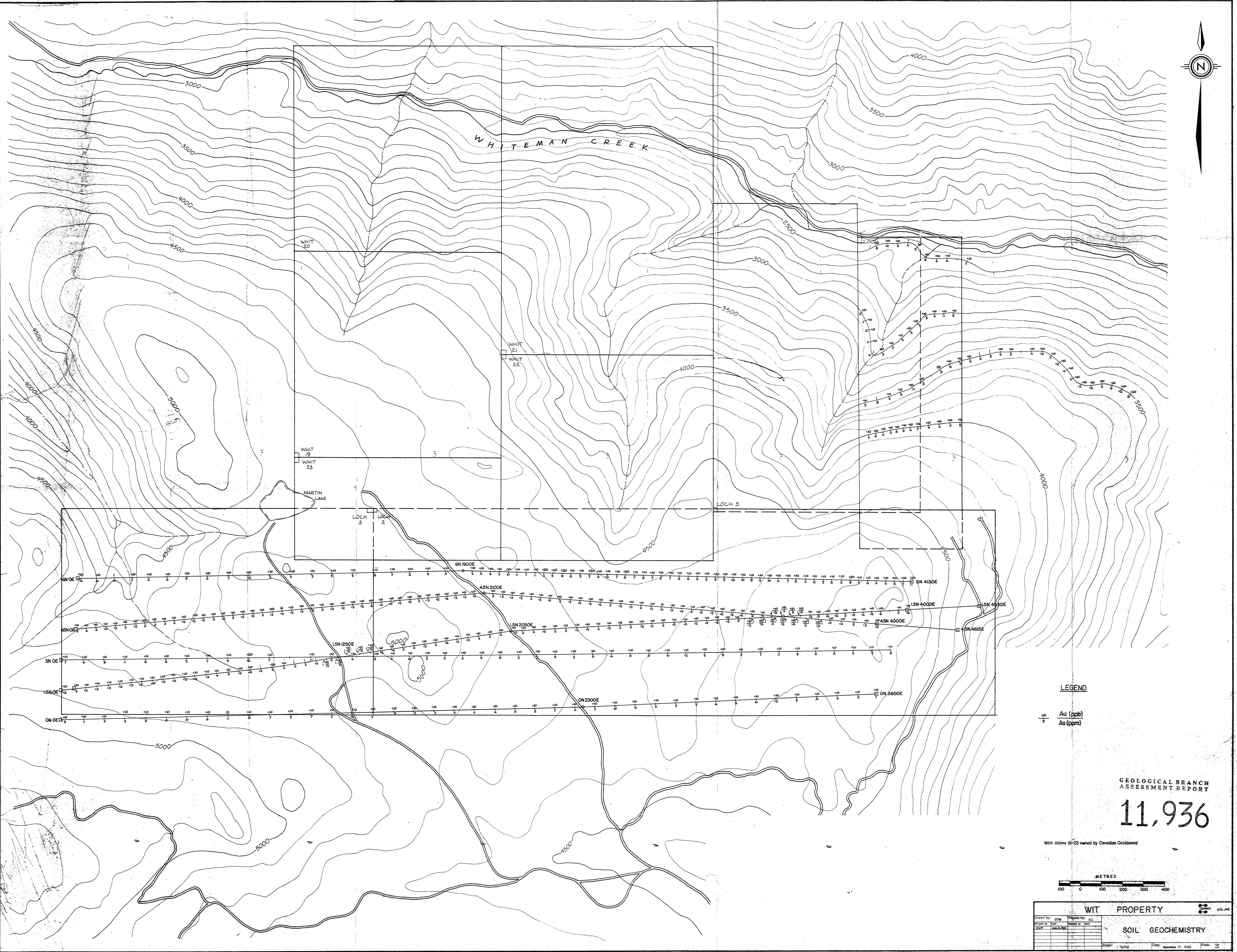
Regional Geology, Wit Property Area.

Scale: 1:250,000

Date: January 17, 1984.

Plate: 2

11,936



LEGEND

Au (ppb)
As (ppm)

GEOLOGICAL BRANCH
ASSESSMENT REPORT

11,936

Whit claims 19-23 owned by Canadian Occidental



WIT PROPERTY		SOIL GEOCHEMISTRY	
Drawn by: DTM	Checked by: J.C.	Date: 11/20/00	Scale: 1:5000
Author: JVP	Project: 11,936	Date: November 17, 1990	Page: 3