

GEOCHEMICAL ASSESSMENT REPORT

ON THE

BOB #1-4 CLAIM GROUP

NAZKO AREA

CARIBOO MINING DIVISION

BRITISH COLUMBIA

N.T.S. 93B/13E

Latitude: 52⁰ 55'

Longitude: 123⁰ 37'

Owner and Operator: Lac Minerals Ltd.
Report By: Robert F. Brown, P.Eng.
Date: August 1984

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

12,744

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TABLE # 1

BOB CLAIM GROUP STATUS - 1984

Claim Number	Units	Tag Number	Record Number	Expiry Date
BOB 1	20	85438	4851	May 20, 1985
BOB 2	20	85437	4852	May 20, 1985
BOB 3	20	89286	5069	August 16, 1985
BOB 4	20	89287	5068	August 16, 1985

INTRODUCTION:

The Bob #1-4 Claims were staked to cover an area of soil samples anomalous in gold and arsenic. These samples were part of a regional geochemical sampling program.

Grid sampling was done from September 20-28, 1983 and is described by Rein Turna (1984). This summer from May 4 to June 15 a detailed grid was established with rock, soil sample and soil profile samples being taken. For assessment purposes only the work done after the BOB #1-2 claims expiry date of May 20 is reported as expenditures, although all maps are complete.

Location and Access: The claims are located 75 km west of Quesnel, B.C. and accessible along an excellent system of paved and gravel logging roads.

Topography: The area of the BOB claim group is characterized by low rolling hills with elevations between 900-1170 meters. Michelle Creek which flows eastward through the claims forms a broad low area of swamp and thick glacial till deposition. Otherwise drainage is good with the gentle relief cut by erosional gulchs.

The claims are forested by coniferous (Spruce, Pine) and deciduous (alder) trees from new post forest fire growth to mature harvestable stands.

GENERAL GEOLOGY:

The area was originally mapped by H.W. Tipper with the Geological Survey of Canada in 1957 (Map 12-1959). Tipper's mapping is correct with one set of outcrops being found on a prominent hill between L30-L42N, 10-25W (see Figure 2 for rock sample locations) and another smaller area of outcrop between L35-L40N between 0-3W. The former area is polymitic conglomerate consisting of rounded semi spherical clasts of predominately light grey creamy

chert and lesser dark grey black chert. The matrix seems to be a medium grained poorly consolidated quartz rich sandstone. The conglomerates form massive outcrops with only rare bedding being indicated by differential erosion or very thin lensy sandstone interbeds, indicating a flat to 10^0 - 15^0 south dip with an east-west trend.

Rare narrow (<1m) quartz-feldspar rhyolite porphyry dykes trending N-S dipping vertically have been observed cutting the conglomerates.

The latter outcrop area along the east side of the claims is massive basalt lava-flows and breccia.

Tipper has indicated the conglomerates are Juro-Cretaceous in age with the basalts being part of a Tertiary Paleocene event.

GEOCHEMICAL SURVEY:

All samples from 1984 and previous work including rock, soil and soil profiles are plotted on Figures 2, 3, 4. About half the 1984 soils were run for copper but as it added nothing to the definition of the anomalous area copper analysis was dropped, the copper values are not plotted. Best soil anomaly definition and rock correlation is given by Au and As (see Figures 3, 4). All soils and soil profile samples were run Au, As, rock were run Au, As often along with Ag, Pb, Zn, Cu, Hg, Sb. No whole rock analysis or detailed mineralogical studies have been done. Soil profile depths and locations are on Table #2. Gold (Fig. #3) values were contoured at a 30ppm contour while arsenic (Fig #4) values were at 50 and 100 ppm.

FIELD METHODOLOGY

Soils: Soil sampling was done using a Swedish tree planting maddock which serves doubly well as a soil sampling implement. Soils were taken at a 20cm depth in a typically poor residual "B" horizon, developed in silty clayey to silty sandy till. Samples were taken on compassed, hip chained lines, at 50m intervals, lines were cut on a east-west orientation about 150-200m apart. About $\frac{1}{2}$ kg. samples were collected in kraft envelopes and sent unprepared to Bondar-Clegg Co. Ltd. for analysis.

Soil Profiles: Pits were dug under some of the more interesting anomalous soil samples (Table #2) Generally they were dug to 0.7 - 1meter depth with 2-3 samples being taken, usually at the 0.4 meter depth the top of the till under the poor "B" soil, and at the pit bottom. About $\frac{1}{2}$ kg samples were collected in kraft envelopes and sent unprepared to Bondar Clegg Co. Ltd. for analysis.

Rocks: Rock sampling was concentrated within the conglomerate unit where there was outcrop coincident with anomalous soil values. Generally the outcrops were chip sampled over 10-25m widths in a E-W direction. Small outcrops, the odd fracture zone, and boulders were grab sampled. (Table #3). Samples of 2-4kg weight were bagged and sent to Bondar Clegg Co. Ltd. for analysis.

Laboratory Methodology:

Soil and silt samples were dried at 60⁰C and seived to -80 mesh. Rock samples were pulverized to -150 mesh.

Geochemical Analysis for Cu, Pb, Zn, Mo, Ag.

0.5 gram samples are digested in hot aqua regia and diluted with demineralized water. Extracted metals are determined by atomic absorption. Background correction is made for Ag and Pb.

Geochemical Analysis for Au:

10.0 grams samles that have been ignited overnight at 600⁰C are digest in hot aqua regia and diluted with demineralized water. Determination is by atmomic absorption.

Geochemical Analysis for As:

As is extracted from the sample using $\text{HClO}_4\text{-HNO}_3$ arsine. Method of analysis is colourimetric.

Geochemical Analysis for Sb:

Sb is determined by energy dispersive x-ray fluorescence.

Geochemical Analysis for Hg:

0.5 gram samples are digested in aqua regia and diluted with 20% HCl . Hg is determined by closed cell, flameless atomic absorption.

DISCUSSION

A largely Au, As soil anomaly is situated within the west half of BOB 2 claim (L30-40N) (Fig.3,4). To the south the anomaly narrows but persists at least to L20N. Northerly the anomalous values on L42N, L45N, L45N (Fig. 3,4) are partial caused by down slope migration and dispersion from the hill and cliff on the western half of L40N. The swamp and glacial sediment of Mitchellle Creek mask bedrock values. Au, As anomalous values on L47N, L49N, L52N are either down downslope or spurious. From L55N to L73.5N clusters of Au, As values occur in the mid to west half of BOB 3 and BOB 4 claims. The As, Au value inter relationship is identical to the Au, As values on the BOB 2 claim and the source is believed to be common.

The high geochemical values in soils were checked by soil profiling with samples taken usually at 0.3-0.4 and 0.7-1.0m depth. Correlation is good, As shows enhancement with depth.

An east west cliff running parallel to L40N from 15-22W as well as scattered out crop from L40N-L34N in the 15-22W area was partially rock sampled. Gold, arsenic values were found persistently in the sampled conglomerates from grab samples to 30m chip samples of outcrops. Minor surficial limonitic and hematitic alteration was noted, there was no sulfide mineralization.

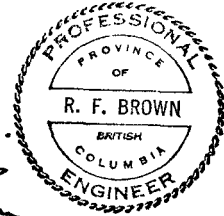
CONCLUSIONS:

Au, As values in soils have been confirmed by soil profiles and rock sampling.

LAC MINERALS LTD.



Robert F. Brown, P.Eng.



REFERENCES

Tipper, H.W.; 1957, Geology, Quesnel Map Sheet, Map 12-1959,
Geological Survey of Canada.

Turna, Rein; April 11, 1984, Geochemical Assessment Report on the
Bob Claim Group, Cariboo Mining Division,
LAC MINERALS LTD.

FIGURE NO.1
EGB CLAIM GROUP
LOCATION MAP

Scale: 1:50,000

NTS: 93B13

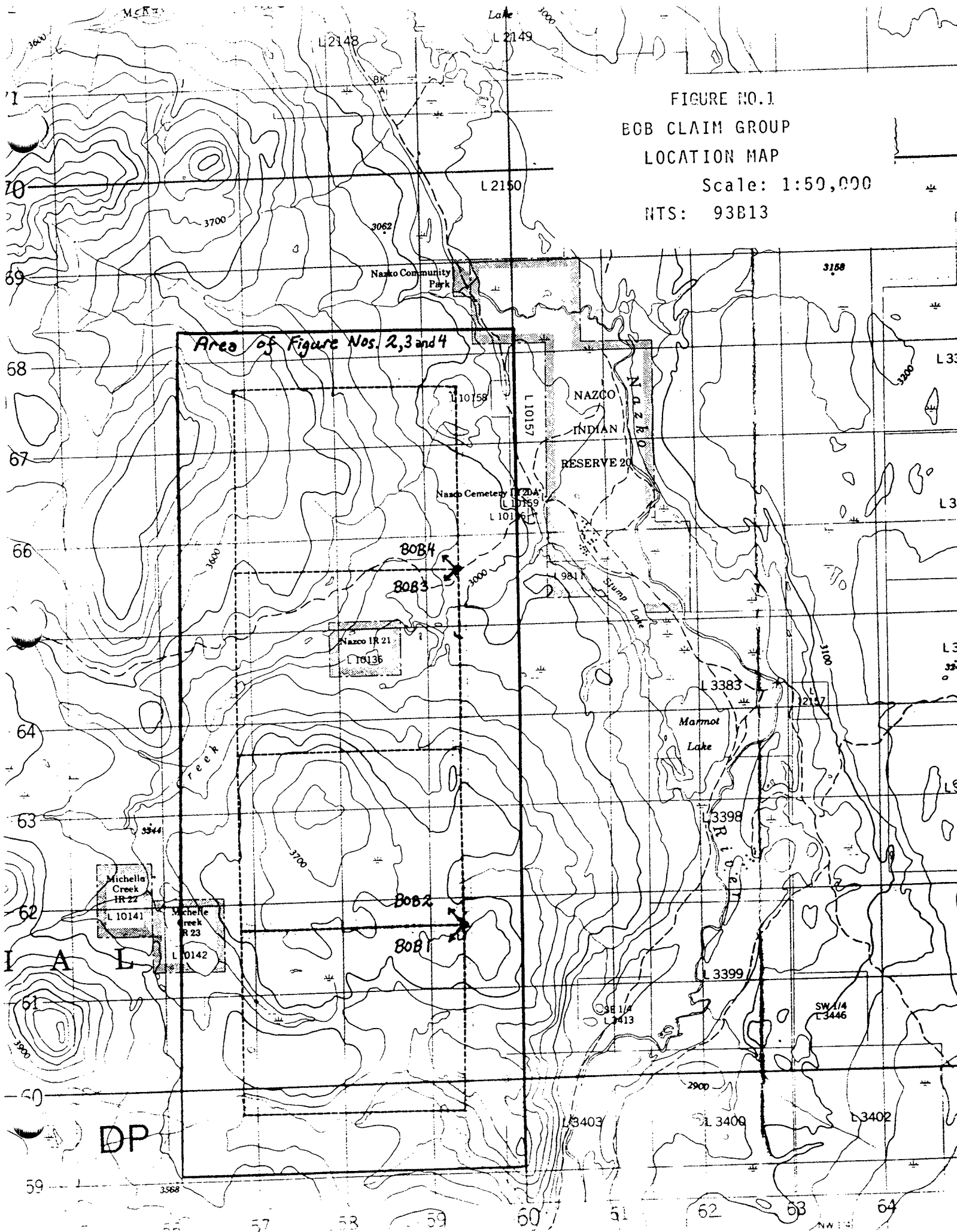


TABLE #2

SOIL PROFILES

<u>SITE</u>	<u>SAMPLE #</u>	<u>DEPTH</u>	<u>SOIL TYPE</u>
L65N, 24W	BOB 3117	20cm	"B"
" "	3621	0.4m	sandy till
" "	3622	0.9m	" "
L65N, 23W	BOB 3115	20cm	"B"
" "	" 3622A	0.4cm	sandy till
" "	" 3623	0.7m	" "
L65N, 22W	BOB 3113	20cm	"B"
" "	" 3624	0.4m	silty sandy till
" "	" 3625	0.8m	" " "
L65N, 20+50W	BOB 3110	20cm	"B"
" "	" 3626	0.4m	silty sandy till
" "	" 3627	0.8m	" " "
L65N, 20W	BOB 3109	20cm	"B"
" "	" 3628	0.35m	sandy till
" "	" 3629	0.8m	" "
L65N, 19W	BOB 3107	20cm	"B"
" "	" 3630	0.4m	sany till
" "	" 3631	0.8m	silty till
L65N, 18N	BOB 3105	20cm	"B"
" "	" 3632	0.3m	silt-sand till
" "	" 3633	0.7m	silty till

TABLE #2

SOIL PROFILES

<u>SITE</u>	<u>SAMPLE #</u>	<u>DEPTH</u>	<u>SOIL TYPE</u>
L60N, 24+50W	BOB 3120	.2m	"B"
" "	" 3619		silt-sand till
" "	" 3620		sandy till
L60N, 23+50W	BOB 3121	0.2m	"B"
" "	" 3617	0.4m	silt-sandy till
" "	" 3618	0.7m	sandy-till
L60N, 22+50W	BOB 3122	.2m	"B"
" "	" 3615	0.5m	sandy till
" "	" 3616	1.0m	" "
L60N, 21+50W	BOB 3123	.2m	"B"
" "	" 3613	0.6m	silty till
" "	" 3614	1.0m	sandy silty till
L60N, 20+50NW	BOB 3124	.2m	"B"
" "	" 3611	0.4m	sandy till
" "	" 3612	0.8m	silty till
L60N, 19+50W	BOB 3125	.2m	"B"
" "	" 3609	0.45	silt-sandy till
" "	" 3610	0.9m	silt till
L60N, 18+50W	BOB 3126	.2m	"B"
" "	" 3607	0.4m	silty till
" "	" 3608	0.7m	silty "
L60N, 17+50W	BOB 3127	.2m	"B"
" "	" 3605	.5m	sandy gravel till
" "	" 3606	1.0m	silty till

TABLE #2

SOIL PROFILES

<u>SITE</u>	<u>SAMPLE #</u>	<u>DEPTH</u>	<u>SOIL TYPE</u>
L60N, 16+50W	BOB 3128	.2m	"B"
" "	" 3603	0.4m	silty till
" "	" 3604	0.9m	" "
L60N, 15+50W	" 3129	.2m	"B"
" "	" 3601	.4m	silty till
" "	" 3602	.95m	" "
L55N, 22+50W	BOB 2298	.2m	"B"
: "	" 2945	.4m	silt clay till
" "	" 2946	.9m	clay till
L55N, 21+50W	BOB 2300	.2m	"B"
" "	" 2947	.4m	rocky clay till
" "	" 2948	.9m	hard clay till
L55N, 19W	BOB 2305	.2m	"B"
" "	" 2951	.4m	rocky clay till
" "	" 2952	.9m	" " "
L55N, 17+50W	BOB 2308	.2m	"B"
" "	" 2953	.4m	clay rocky till
" "	" 2954	.95m	clay rocky till
L55N, 17W	BOB 2309	.2m	"B"
" "	" 2955	.4m	gravel till
" "	" 2956	.9m	" "
L55N, 16W	BOB 2311	.2m	"B"
" "	" 2957	.4m	gravel till
" "	" 2958	.55m	hard pan, clay till
L55N, 15W	" 2283	.2m	"B"
" "	" 2959	.4m	rocky clay till
" "	" 2960	.7m	" " "

TABLE #2

SOIL PROFILES

<u>SITE</u>	<u>SAMPLE #</u>	<u>DEPTH</u>	<u>SOIL TYPE</u>
L40N, 24W	BOB 2092	.2m	"B"
" "	" 2358	.4m	sandy till
" "	" 2359	.9m	sandy till
L40n, 23W	" 2091	.2m	"B"
" "	" 2360	.5m	gravel till
" "	" 2361	1.0m	" "
L40N, 22W	" 2090	.2m	"B"
" "	" 2362	.3m (bedrock)	till
L40N, 21W	BOB 2089	.2m	"B"
" "	" 2363	.3m	gravel till
" "	" 2364	.6m	sandy till
L40N, 20W	BOB 2088	.2m	"B"
" "	" 2365	.3m	sandy till
" "	" 2366	.75m	" "
L40N, 19W	BOB 2087	.2m	"B"
" "	" 2367	.3m	sandy till
" "	" 2368	.75m	" "
L40N, 18W	BOB 2086	.2m	"B"
" "	" 2369	.3m	sandy till
" "	" 2370	.7m	silty till
L40N, 17W	BOB 2085	.2m	"B"
" "	" 2371	.3m	sandy till
" "	" 2372	.75m	" "

TABLE #2

SOIL PROFILES

<u>SITE</u>	<u>SAMPLE #</u>	<u>DEPTH</u>	<u>SOIL TYPE</u>
L40N, 16W	BOB 2084	.2m	"B"
" "	" 2373	.3m	sandy till
" "	" 2374	.7m	" "
L40N, 15W	BOB 2063	.2m	"B"
" "	" 2375	.3m	gravel till
" "	" 2376	.65m	" "
L35N, 24W	BOB 1124	.2m	" "
" "	" 2338	.4m	clay silt till
" "	" 2339	.8m	silt-sand clay till
L35N, 23W	" 1125	.2m	"B"
" "	" 2340	.35m	silt till
" "	" 2341	.7m	sand till
L35N, 22W	" 1126	.2m	"B"
" "	" 2342	.25m	silty till
" "	" 2343	.6m	silty sandy till
L35N, 21W	BOB 1127	.2m	"B"
" "	" 2344	.35m	sandy till
" "	" 2345	.35m	outcrop rhyolite
L35N, 20W	" 1128	.2m	"B"
" "	" 2346	.45m	sand till
" "	" 2347	1.0m	silt till
L35N, 19W	BOB 1129	.2m	"B"
" "	" 2348	.5m	sandy till
" "	" 2349	1.0m	" "

TABLE #2

SOIL PROFILES

<u>SITE</u>	<u>SAMPLE #</u>	<u>DEPTH</u>	<u>SOIL TYPE</u>
L35N, 18W	BOB 1130	.2m	"B"
" "	" 2350	.25m	"B"
" "	" 2351	.5m	sandy till
L35N, 17W	BOB 1131	.2m	"B"
" "	" 2352	.5m	sandy till
" "	" 2353	1.0m	" "
L35N, 16W	BOB 1132	.2m	"B"
" "	" 2354	.4m	sandy till
" "	" 2355	.8m	" "
L35N, 15W	BOB 1133	.2m	"B"
" "	" 2356	.45m	" "
" "	" 2357	.9m	" "
L30N, 24W	BOB 2118	0.2m	"B"
" "	" 3261	0.35m	clay till
" "	" 3262	0.7m	" "
L30N, 23W	BOB 2117	0.2m	"B"
	3259	0.5m	sandy till
	3260	1.0m	" "
L30N, 22W	BOB 2116	0.2m	"B"
" "	" 3257	0.5m	sandy till
" "	" 3258	1.0m	" "
L30N, 21W	BOB 2115	0.2m	"B"
" "	" 3255	0.4m	clay till
" "	" 3256	0.7m	" "
L30N, 20W,	BOB 2114	0.2m	"B"
	" 3253	0.5m	sand till
	" 3254	1.0m	" "

TABLE #2

SOIL PROFILES

<u>SITE</u>	<u>SAMPLE #</u>	<u>DEPTH</u>	<u>SOIL TYPE</u>
L30N, 19W	BOB 2113	0.2m	"B"
" "	" 3251	0.5m	sandy till
" "	" 3252	0.6m	" "
L30N, 18W	BOB 2112	0.2m	"B"
" "	" 3249	0.5m	clay silt till
" "	" 3250	0.8m	clay till
L30N, 17W	BOB 2111	0.2m	"B"
" "	" 3247	0.5m	clay till
" "	" 3248	0.9m	clay till
L30N, 16W	BOB 2110	0.2m	"B"
" "	" 3245	0.4m	silty till
" "	" 3246	0.8m	clay till
L30N, 15W	" 2009	0.2m	"B"
" "	" 3243	0.35m	silty clay till
" "	" 3244	0.8m	" " "
L25N, 24W	BOB 1173	0.2m	"B"
" "	" 2941	0.4m	clay till
" "	" 2942	0.9m	" "
L25N, 23W	BOB 1172	0.2m	"B"
" "	" 2939	0.4m	sandy till
" "	" 2940	1.0	blackish sandy till
L25N, 22W	BOB 1171	0.2m	"B"
" "	" 2810	0.15m	"B"
" "	" 2811	0.45m	gravel till

TABLE #2

SOIL PROFILES

<u>SITE</u>	<u>SAMPLE #</u>	<u>DEPTH</u>	<u>SOIL TYPE</u>
L25N, 21W	BOB 1170	0.2m	"B"
" "	" 2807	0.15m	"B"
" "	" 2808	0.45m	gravelly till
" "	" 2809	0.75m	clay-till
L25N, 20W,	BOB 1169	0.2m	"B"
" "	" 2804	0.15m	"B"
" "	" 2805	0.45m	sandy till
L25N, 19W	BOB 1168	8.2m	"B"
" "	" 2800	0.15m	"B"
" "	" 2801	0.45m	"B" till
" "	" 2802	0.75m	gravel till
" "	" 2803	1.2m	hematitic clay till
L25N, 18W	BOB 1167	0.2m	"B"
" "	" 2937	0.4m	reddish clay till
" "	" 2938	0.9m	" " " , rocky
L25N, 17W	BOB 1166	0.2m	"B"
" "	" 2935	0.4m	rocky clay till
" "	" 2936	0.8m	rocky clay till
L25N, 16W	BOB 1165	0.2m	"B"
" "	" 2934	0.4m	clay till
" "	" 2935	0.7m	" "
L25N, 15W	BOB 1164	0.2m	"B",
" "	2932	0.4m	sandy clay till
" "	2933	0.8m	" " "
L20N, 24W	" 1059	0.2m	"B"
" "	" 2943	0.4m	clay till
" "	BOB 2944	0.7m	" "

TABLE #2

SOIL PROFILES

<u>SITE</u>	<u>SAMPLE #</u>	<u>DEPTH</u>	<u>SOIL TYPE</u>
L20N, 23W	BOB 1060	0.2m	"B"
" "	" 2321	0.5m	silty clay till
" "	" 2322	0.9m	" " "
L20N, 22W	BOB 1061	0.2m	"B"
" "	2323	0.4m	silty clay till
" "	2324	0.75m	" " "
L20N, 21W	BOB 1062	0.2m	"B"
" "	" 2325	0.4m	sandy clay till
" "	" 2326	0.9m	" " "
L20N, 20W	BOB 1063	0.2m	"B"
" "	" 2327	0.5m	sandy clay till
" "	" 2328	1.0m	" " "
L20N, 19W	BOB 1064	0.2m	"B"
" "	" 2329	0.35m	sandy clay till
" "	" 2330	0.75m	" " "
L20N, 18W	BOB 1065	0.2m	"B"
" "	" 2331	0.4m	sand till
" "	" 2332	0.8m	sand till
L20N, 17W	BOB 1066	0.2m	"B"
" "	" 2333	0.5m	gravel sand till
" "	" 2334	1.0m	" " "
L20N, 16W	" 1067	0.2m	"B"
" "	" 2335	0.5m	gravel sand till
" "	" 2336	1.0m	" " " (water table)

TABLE #2

SOIL PROFILES

<u>SITE</u>	<u>SAMPLE #</u>	<u>DEPTH</u>	<u>SOIL TYPE</u>
L20N, 15W	BOB 1068	0.2m	"B"
" "	" 2337	0.6m	sand gravel till (water table)

BOB CLAIMS ROCK ANALYSIS - 1984

Table #3

<u>SAMPLE #</u>	<u>Au (ppb)</u>	<u>As (ppm)</u>	<u>Cu (ppm)</u>	<u>Pb (ppm)</u>	<u>Zn (ppm)</u>	<u>Ag (ppm)</u>	<u>Hg (ppb)</u>	<u>Sb (ppm)</u>
BOB 2173	< 5	3	11			< 0.2		
BOB 2314	< 5	3	24	4	110	< 0.2		2
BOB 2315	< 5	14	5	5	24	< 0.2		2
BOB 2316	20	105	44	10	16	0.3		5
BOB 2317	760	1000	49	51	78	1.8		43
BOB 2318 A	15	150	28	3	195	0.2		5
BOB 2318 B	15	550	251	3	115	0.2		26
BOB 2320	135	850	74	73	315	1.9		145
BOB 2345	10	25						
BOB 2500								
BOB 2501								
BOB 2502								
BOB 2503								
BOB 2504	215	> 1000	71					
BOB 2505	5	32	43					
BOB 2506	65	> 1000	18					
BOB 2507	10	280	52					
BOB 2508	< 5	63	39					
BOB 2509	140	400	75					
BOB 2541								
BOB 2897	10	550	94			0.8		
BOB 2898	< 5	14	7			< 0.2		

BOB CLAIMS ROCK ANALYSIS - 1984

Table #3

<u>SAMPLE #</u>	<u>Au (ppb)</u>	<u>As (ppm)</u>	<u>Cu (ppm)</u>	<u>Pb (ppm)</u>	<u>Zn (ppm)</u>	<u>Ag (ppm)</u>	<u>Hg (ppb)</u>	<u>Sb (ppm)</u>
BOB 2899	<5	47	550			1.9		
BOB 2900	<5	7	7			< 0.2		
BOB 2901	<5	400	84			0.6		
BOB 2902	10	58	280			1.2		
BOB 2903	130	290	27	15	122	1.0		58
BOB 2904	15	300	64	12	8	0.6		27
BOB 2905	25	275	72	23	5	1.2		33
BOB 2906	35	350	21	38	2	1.5		31
BOB 2907	25	150	17	56	3	2.8		33
BOB 2908	45	300	57	58	35	1.3		115
BOB 2909	155	260	62	27	18	1.7		36
BOB 2910	20	125	40	4	40	0.2		15
BOB 2911	10	60	14	8	8	0.2		23
BOB 2912	15	57	20	4	18	0.2		15
BOB 2913	20	170	27	14	26	0.5		51
BOB 2914	25	150	23	34	10	0.2		32
BOB 2915	20	75	40	4	164	0.2		10
BOB 2916	40	380	70	14	239	0.2		12
BOB 2917	10	60	56	41	43	0.5		30
BOB 2918	5	60	30	20	18	0.6		24
BOB 2919	5	110	65	31	8	0.9		34
BOB 2920	20	50	49	16	22	2.3		35

BOB CLAIMS ROCK ANALYSIS - 1984

Table #3

<u>SAMPLE #</u>	<u>Au (ppb)</u>	<u>As (ppm)</u>	<u>Cu (ppm)</u>	<u>Pb (ppm)</u>	<u>Zn (ppm)</u>	<u>Ag (ppm)</u>	<u>Hg (ppb)</u>	<u>Sb (ppm)</u>
BOB 2921	34	50	34	7	51	0.4		15
BOB 2922	37	42	37	3	5	<0.2		17
BOB 2923	40	40	40	4	22	<0.2		6
BOB 2924	73	155	73	45	132	0.5		28
BOB 2925	40	50	40	16	7	0.5		15
BOB 2926	85	110	85	12	206	0.6		17
BOB 2927	46	105	46	23	76	0.6		13
BOB 2928	29	33	29	5	134	0.2		11
BOB 2929	23	80	23	51	89	0.2		10
BOB 2930	41	300	41	173	60	1.2		3
BOB 2931	28	80	28	46	55	0.8		8
BOB 2961	25	400	38	8	99	<0.2	1200	145
BOB 2962	10	78	24	16	93	0.4	390	16
BOB 2963	10	400	39	58	20	3.1	470	40
BOB 2964	50	> 1000	74	82	160	1.2	700	66
BOB 2965	5	170	63	8	49	0.3	40	12
BOB 2970	5	550	19	24	330	2.0	80	20
BOB 2971	<5	410	39	23	470	4.4	115	36
BOB 2972	<5	110	81	11	68	2.8	45	5
BOB 2973	5	105	33	11	120	0.4	40	11
BOB 2974	75	>1000	206	145	7	7.9	1600	250
BOB 2975	150	750	194	81	740	0.7	200	21

BOB CLAIMS ROCK ANALYSIS - 1984

Table #3

<u>SAMPLE #</u>	<u>Au (ppb)</u>	<u>As (ppm)</u>	<u>Cu (ppm)</u>	<u>Pb (ppm)</u>	<u>Zn (ppm)</u>	<u>Ag (ppm)</u>	<u>Hg (ppb)</u>	<u>Sb (ppm)</u>
BOB 2975A								
BOB 2976	245	650	54	165	162	0.6	185	115
BOB 3222								
BOB 3223								
BOB 3224								
BOB 3225								
BOB 3226								
BOB 3227	55	575	101	15	65	0.8		20
BOB 3228	25	280	146	4	155	<0.2		9
BOB 3229	110	200	175	3	40	<0.2		9
BOB 3230	5	32	28	8	4	0.6		16
BOB 3231	35	550	18	28	3	1.5		34
BOB 3232	75	550	25	56	3	3.5		80
BOB 3233	10	270	95	45	71	3.2		170
BOB 3234	20	300	51	55	5	2.5		61
BOB 3235	60	575	56	124	10	2.4		53
BOB 3236	65	650	50	60	73	0.7		37
BOB 3237	115	600	52	42	79	0.5		33
BOB 3238	120	400	30	58	125	0.8		43
BOB 3239	80	230	21	23	91	0.5		11
BOB 3240	115	500	33	30	130	0.6		25
BOB 3241	5	60	12	6	93	0.2		6

BOB CLAIMS ROCK ANALYSIS - 1984

Table #3

<u>SAMPLE #</u>	<u>Au (ppb)</u>	<u>As (ppm)</u>	<u>Cu (ppm)</u>	<u>Pb (ppm)</u>	<u>Zn (ppm)</u>	<u>Ag (ppm)</u>	<u>Hg (ppb)</u>	<u>Sb (ppm)</u>
BOB 3263	5	120	35	35	7	1.2	225	11
BOB 3264	25	310	54	16	8	0.5	350	21
BOB 3265	50	310	80	10	40	0.4	2450	46
BOB 3266	265	400	80	19	31	0.3	700	16
BOB 3267	80	> 1000	68	39	59	2.6	390	38
BOB 3268	365	> 1000	29	126	52	1.0	60	63

BOB CLAIMS ROCK SAMPLES - 1984

Table #4

<u>SAMPLE #</u>	<u>SAMPLED MATERIAL</u>	<u>SAMPLE TYPE</u>	<u>SAMPLE SITE</u>	<u>SAMPLED WIDTH</u>	<u>ANALYSED</u>	<u>OFFICE SAMPLE</u>	<u>ROCK DESCRIPTION</u>
BOB 2173	boulder	grab	L25N,21W		NO	YES	
2314	"	"	20m N of L40N, 5+50W	-	YES	NO	MAFIC VOLCANIC
2315	"	"	15m S of L40N, 7+50W	-	YES	NO	HEMATIZED RK.
2316	outcrop (o/c)	"	L40N, 21+30W	-	"	"	RHYOLIPORY.
2317	"	chip	20-50m S of L40N, 21+30W	30m	"	"	CONGL.
2318	boulder	grab	L38N, 21+85W	-	"	"	AND. BRXY
2318	outcrop	"	L34N, 18+30W	-	"	"	CONGL.
2320	boulder	"	L47N, 15W	-	"	"	
2345	boulder:	"	L35N, 21W	-	"	"	RHY
2500	"	"	L0N, 17W	-	NO	YES	BASALT
2501	"	"	L20N, 15+20W	-	"	"	CONGL.
2502	outcrop	"	150m S.E. of 4403 sign	-	"	"	BASALT
2503	"	"	L35N, 0W	-	"	"	"
2504	boulder	"	L20N, 19+40W	-	YES	YES	CONGL.
2505	outcrop	"	L25N, 9+10W	-	"	"	"
2506	boulder	"	L30N, 10+50W	-	"	NO	"
2507	outcrop	chip	L34N, 25W	10m?	"	YES	"
2508	"	grab	L35N, 20+8W	-	"	"	"
2509	boulder	"	1.8km. E of jtn. old Baezaeko Rd.	-	"	"	"

BOB CLAIMS ROCK SAMPLES - 1984

Table #4

<u>SAMPLE #</u>	<u>SAMPLED MATERIAL</u>	<u>SAMPLE TYPE</u>	<u>SAMPLE SITE</u>	<u>SAMPLED WIDTH</u>	<u>ANALYSED</u>	<u>OFFICE SAMPLE</u>	<u>ROCK DESCRIPTION</u>
BOB 2541	outcrop	grab	L35N, 18+15W	-	YES	YES	CONGL.
2897	boulders	"	540m S on Spur Rd off old Baezaeko Rd.	-	"	"	CONGL.
2898	"	"	150m E of T/L 60N	-	"	"	BASALT
2899	"	"	" " " " "	-	"	"	BRXY CONGL.
2900	outcrop	"	L80N, 19W	-	"	"	BASALT
BOB 2901	boulder	"	L80N, 14.5W	-	"	"	BRXY CONGL.
2902	boulder	"	50m W of T/L on old Baezaeko Rd.	-	"	NO	" "
2903	outcrop	chip	L40N, 16+60-16+80W	20m	"	NO	CONGL.
2904	outcrop	"	L40N, 17+20-17+45W	25m	"	"	"
2905	"	"	L40N, 17+45-17+70W	25m	"	"	"
2906	"	"	L40N, 17+90-18+15W	25m	"	"	"
2907	"	"	L40N, 18+70-18+85W	15m	"	"	"
2908	"	"	35mN. L40N, 18+90W -19W	10m	"	"	"
2909	"	"	60m N " , 19-19+20W	20m	"	"	"
2910	"	"	L35N, 12+05-12+15W	10m	"	"	"
2911	"	"	20mN. L35N, 12+20-12+30W	10m	"	"	"
2912	"	"	50mS, L35N, 11+90-12-05W	15m	"	"	"
2913	"	"	" " , 12+05-12+20W	15m	"	"	"
2914	"	"	30mS, L35N, 13W	5m	"	"	"
2915	"	"	60m S, L35N, 17+80-17+95W	15m	"	"	"
2916	"	"	15mS, L35N, 18+15-18+35W	20m	"	"	"

BOB CLAIMS ROCK SAMPLES - 1984

Table #4

<u>SAMPLE #</u>	<u>SAMPLED MATERIAL</u>	<u>SAMPLE TYPE</u>	<u>SAMPLE SITE</u>	<u>SAMPLED WIDTH</u>	<u>ANALYSED</u>	<u>OFFICE SAMPLE</u>	<u>ROCK DESCRIPTION</u>
BOB 2917	outcrop	chip	L35N, 20+60-20+85W	25m	YES	NO	CONGL.
2918	"	"	" , 20+85-21+05W	20m	"	"	"
2919	"	"	" , 21+20-21+45W	25m	"	"	"
2920	"	"	L34N, 25+25W	5m	"	"	"
2921	"	"	" , 24+40-24+55W	15m	"	"	"
2922	"	"	" , 24W	5m	"	"	"
2923	"	"	" , 24+75W	2m	"	"	"
2924	"	"	70mN, L34N, 21W	10m	"	"	"
2925	"	"	25mS, L34N, 20+50W	10m	"	"	"
2926	"	"	20mN, L34N, 19+25W		"	"	"
2927	"	"	L34N, 18+60W-18+80W	20m	"	"	"
2928	"	"	L34N, 18+20-18+40W	20m	"	"	"
2929	"	"	L34N, 18+05-18+20w	15m	"	"	"
2930	"	"	L34N, 17+80-18+05W	25W	"	"	"
2931	"	"	" , 17+35-17+80W	45m	"	"	"
2961	"	grabs	50mS, L35N, 12W	-	YES	YES	"
2962	"	"	L34N, 17+50W	-	YES	YES	"
2963	"	grabs	100mN, L35N, N21W	40m	YES	NO	"
2964	"	"	50mN, L30N, 20W	-	YES	NO	"
2965	boulders	"	20mN, L32N, 21W	-	YES	NO	"

BOB CLAIMS ROCK SAMPLES - 1984

Table #4

<u>SAMPLE #</u>	<u>SAMPLED MATERIAL</u>	<u>SAMPLE TYPE</u>	<u>SAMPLE SITE</u>	<u>SAMPLED WIDTH</u>	<u>ANALYSED</u>	<u>OFFICE SAMPLE</u>	<u>ROCK DESCRIPTION</u>
BOB 2970	outcrop	chip	L42N, 22+75W	-	"	NO	CONGL.
2971	"	"	25mN, L42N, 22+50-22+25W	25m	"	"	"
2972	"	"	25mN, " , 22+25W	0.35m	"	"	"
2973	"	"	L42N, 22+15-21+90W	25m	"	"	"
2974	"	"	L40N, 18+50W	1m	"	"	"
2975	"	"	50mN, L40N, 19+50W	3m	"	"	fault in Congl.
2975A	"	"	" " "	-	NO	YES	" " "
2976	"	"	L40N, 19+75-19+50W	25m	YES	NO	CONGL.
3222	"	grab	20mN, L32N, 13W	-	NO	YES	"
3223	"	"	15mN, L32N, 13W	-	NO	YES	"
3224	"	"	10mN, L32N, 18W	-	NO	YES	"
3225	"	"	100mN, L32N, 20+50W	-	"	"	"
3226	boulder	grab	T/L,29N,	-	YES	NO	"
3227	outcrop	chip	L38N, 21+80-21+55W	25m	"	"	"
3228	outcrop	chip	L38N, 21+81W	1m	"	YES	"
3229	"	grab	" "	1m	"	NO	PORY. DYKE
3230	"	chip	L38N, 21+55-21+35W	20m	"	"	CONGL.
3231	"	"	" , 21+35-21+10W	25m	"	"	"
3232	"	"	" , 21+10-20+85W	25m	"	"	"
3233	"	"	30mN, L38N, 20+20-20+45W	25m	"	"	"
3234	"	"	" " " "	"	"(duplicate)"	"	"

BOB CLAIMS ROCK SAMPLES - 1984

Table #4

<u>SAMPLE #</u>	<u>SAMPLED MATERIAL</u>	<u>SAMPLE TYPE</u>	<u>SAMPLE SITE</u>	<u>SAMPLED WIDTH</u>	<u>ANALYSED</u>	<u>OFFICE SAMPLE</u>	<u>ROCK DESCRIPTION</u>
BOB 3235	outcrop	chip	L38N, 18+20-18+05W	15m	YES	NO	CONGL.
3236	"	"	L40N, 19+75-20N	25m	"	"	"
3237	"	"	L40N, 20-20+25W	"	"	"	"
3238	"	"	L40N, 20+25-20+50W	"	"	"	"
3239	"	"	L40N, 20+50W-20+75W	"	"	"	"
3240	"	"	15mS, L40N, 20+95-21+25W	30m	"	"	"
3241	"	"	L40N, 24+75	25m	"	"	"
3263	"	"	L38N, 22W	15m	"	"	"
3264	"	"	L38N, 22W	15m	"	"	"
- sample BOB 3264 taken 12-14m vertically below BOB 3263 on cliff face.							
3265	outcrop	chip	90-100m S, L40N, 21+50W	10m	"	"	"
3266	"	"	" " , " , " "	10m	"	"	"
- sample BOB 3266 taken 15-20m vertically below BOB 3265							
3267	outcrop	grab	L35N, 17W	-	NO	YES	"
3268	boulder	grab	50mS, L40N, 16W	-	YES	"	"

APPENDIX #1

BOB CLAIM GROUP EXPENDITURES

Expenditures for BOB 1, 2, for the year May 20, 1984 - 1985.
Expenditures for BOB 3, 4, for the year August 16, 1983 - 1984.

Salaries

Robert Brown	May 20-June 14 @ \$130.70/day x 21 (except May 31, June 5, 6, 13)	= \$2,744.55
Joseph Conway	May 20-June 14 @ \$85.35/day x 20 (except May 28, 29, 31, June 5, 6)	= \$1,707.00
Pat Coyle	May 20-June 15 @ \$77/day X 25	= \$1,925.00
Ed Uyeda	May 28-June 7 @ \$69.31/day x 8 (except June 5, 6)	= \$554.48
Chris Bunce	May 20-June 7 @ \$69.71/day x 16 (except June 5,6)	= \$1,108.96
Tyrone Donnon	May 28, 29 @ \$63.37/day X 2	= \$126.73
Garry Payie	May 20-27 @ \$81.19/day X 8	= \$649.50
	SALARY TOTALS =	\$8,816.22

Appendix 1 continued...

ASSAYS -	(Bondar Clegg & Company Ltd.) post May 20, 1984 (reports #124-0782, 0782, 0784, 0877, 1166, 0977 (except 37 Au, Ag)	= \$11,707.80
<u>DRAFTING</u>	(by Fred Chong)	= \$ 783.00
<u>FOOD, MEALS</u>		= \$ 1,519.19
TRUCK RENTAL	Rentways-GMC S-10 Blazer	= \$ 1,115.50
	Airways-Ford Bronco	\$ 1,583.73
<u>REPORT WRITING</u> -	4 days @ \$130.70/day by R.F. Brown	= \$ <u>522.80</u>
	GRAND TOTAL	= <u><u>\$26,048.26</u></u>



Vancouver Office
Suite 470
1055 West Hastings St.
Vancouver, B.C.
V6E 2E9
(604) 685-0531

LAC

Lac Minerals Ltd.
Exploration Division

August 8, 1984

Ministry of Energy, Mines
& Petroleum Resources
525 Superior Street Rm 122
Victoria, B.C.
V8V 1T7

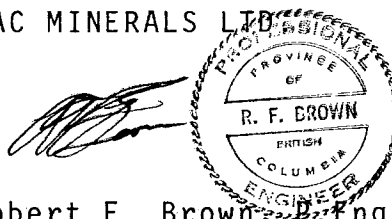
TO WHOM IT MAY CONCERN:

Re: Bob Claims N.T.S. 93B/13 - Cariboo M.D.

Please keep the maps confidential for the 3 year period
as they have the geochemistry plotted on them.

Yours sincerely,

LAC MINERALS LTD.

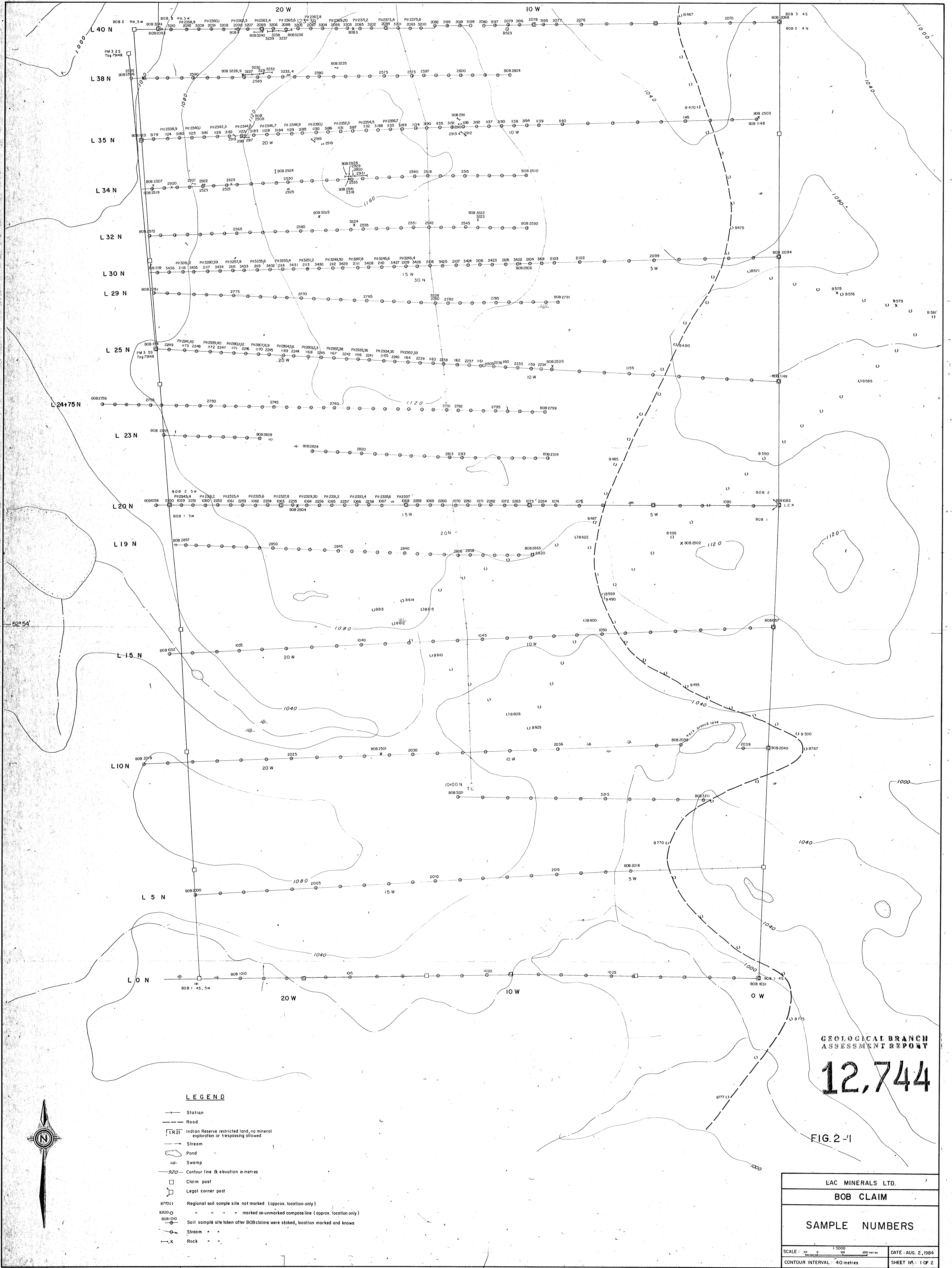


Robert F. Brown, P. Eng.

RFB/bg
Enclosures.

Tim.

Please don't
film.



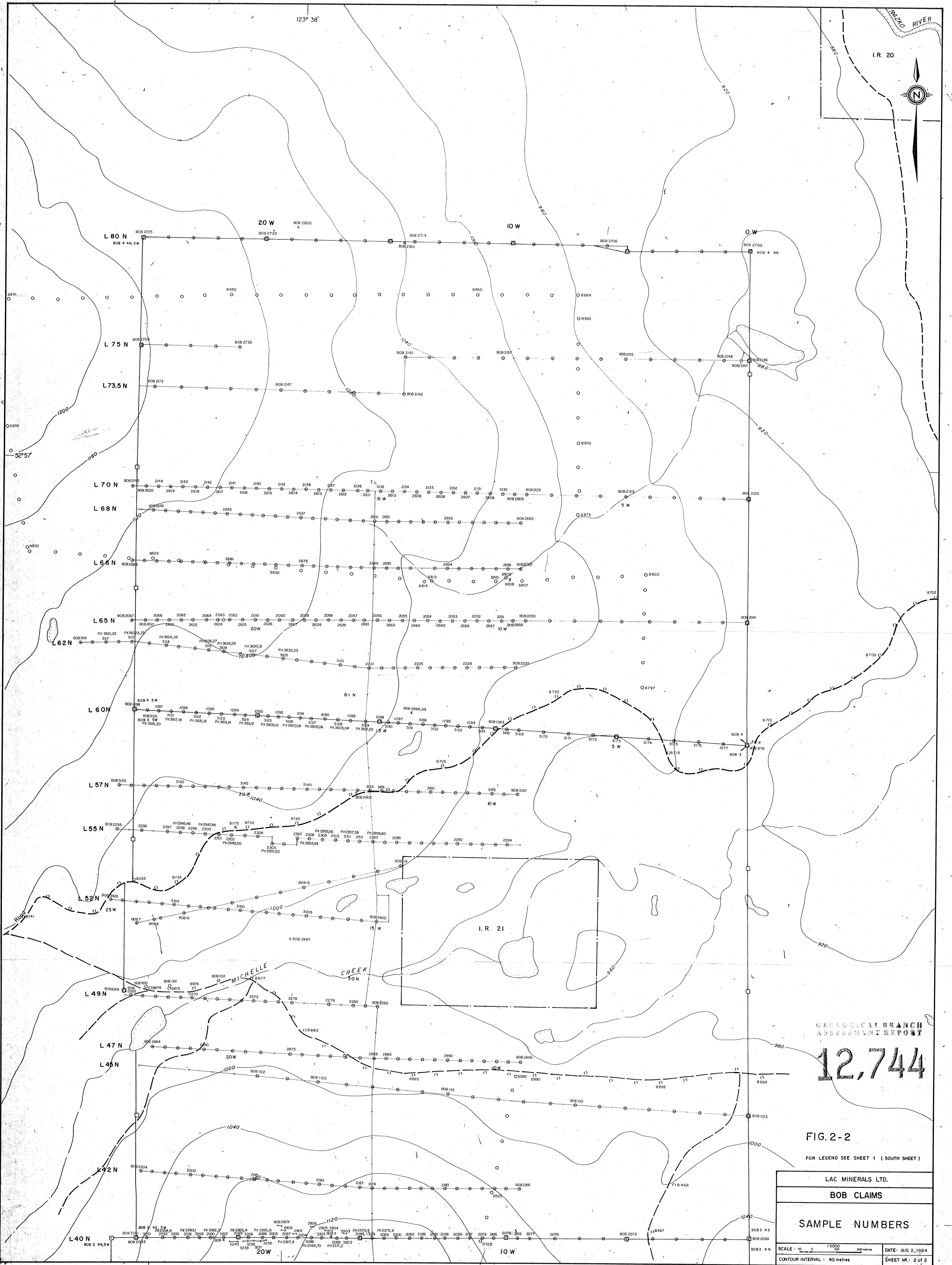
GEOLOGICAL BRANCH
 ASSESSMENT REPORT
12,744

FIG. 2-1

LEGEND

- Station
- Road
- TRZ Indian Reserve restricted land, no mineral exploration or trespassing allowed
- Stream
- Pond
- Swamp
- Contour line & elevation in metres
- Claim post
- Legal corner post
- Regional soil sample site not marked (approx. location only)
- " " " " marked on unmarked compass line (approx. location only)
- Soil sample site taken after BOB claims were staked, location marked and known
- Stream
- Rock

LAC MINERALS LTD.	
BOB CLAIM	
SAMPLE NUMBERS	
SCALE: 1:5000	DATE: AUG. 2, 1984
CONTOUR INTERVAL: 40 metres	SHEET NO.: 1 OF 2



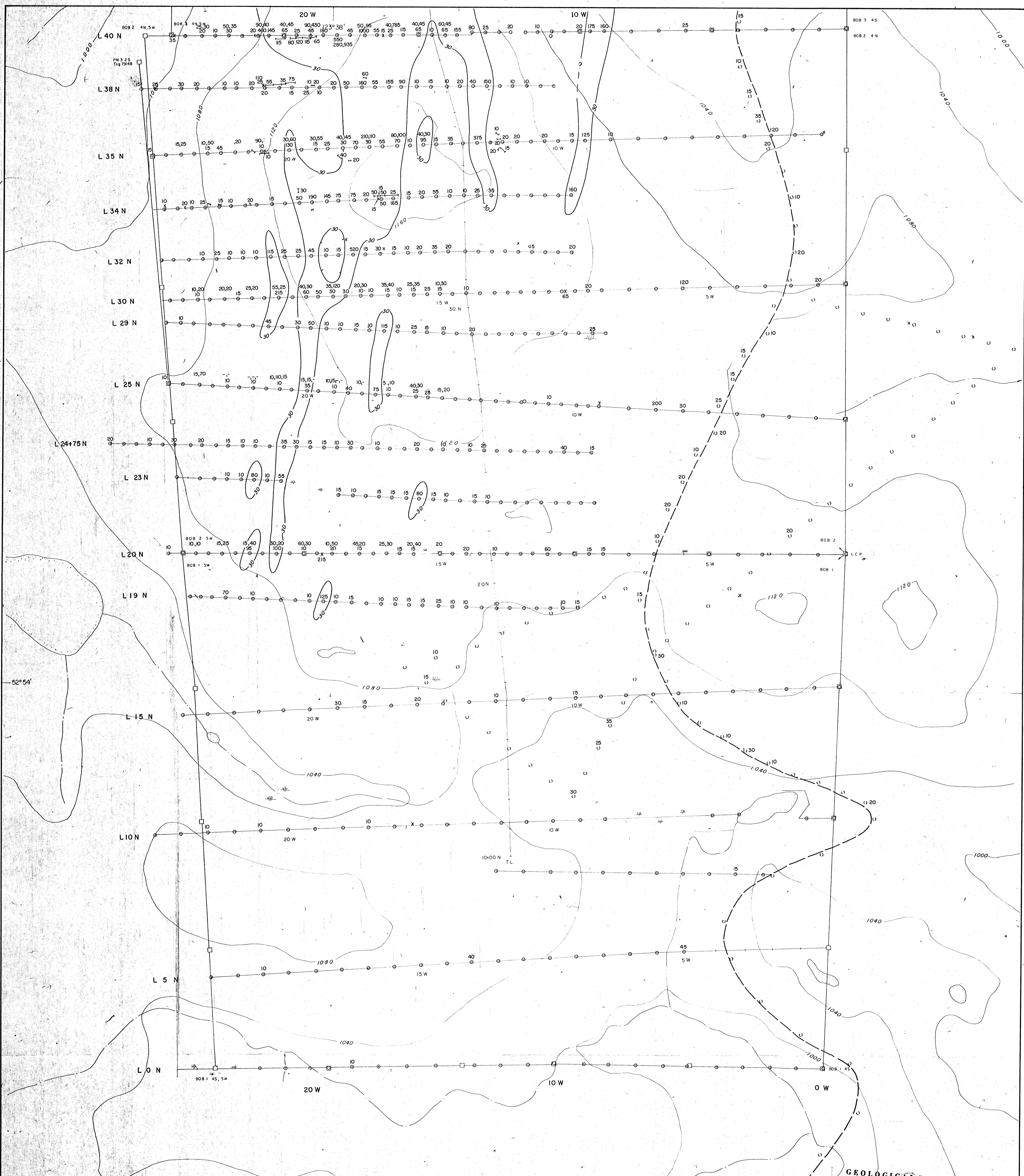
GEOLOGICAL BRANCH
ASSESSMENT REPORT

12,744

FIG. 2-2

FOR LEGEND SEE SHEET 1 (SOUTH SHEET)

LAC MINERALS LTD.	
BOB CLAIMS	
SAMPLE NUMBERS	
SCALE: 1:5000	DATE: AUG. 2, 1984
CONTOUR INTERVAL: 40 metres	SHEET NO.: 2 of 2



52°54'

LEGEND

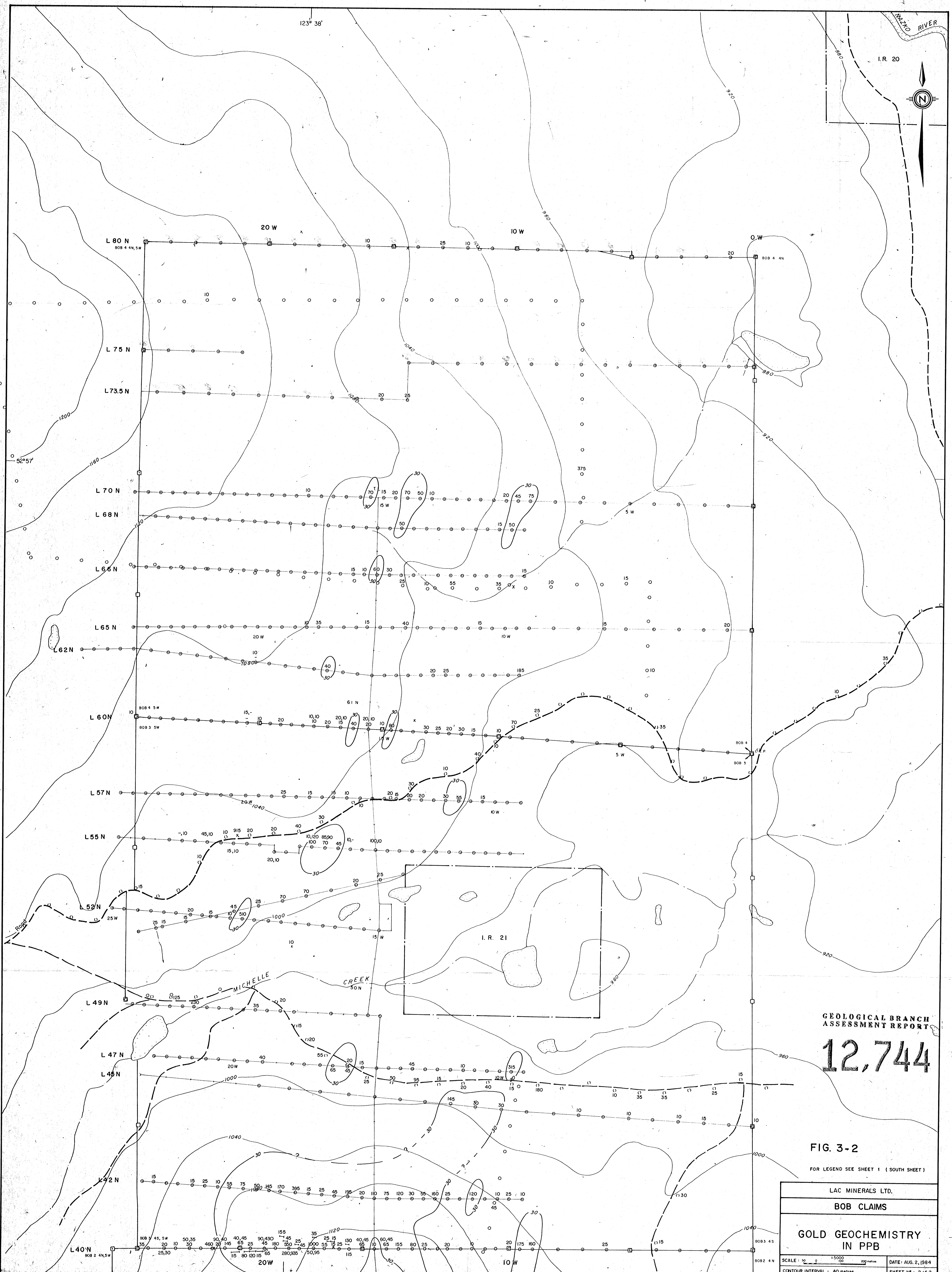
- Station
- Road
- Indian Reserve restricted land, no mineral exploration or trespassing allowed
- Stream
- Pond
- Swamp
- Contour line & elevation in metres
- Claim post
- Legal corner post
- () Regional soil sample site not marked (approx. location only)
- () " " " " marked on unmarked compass line (approx. location only)
- Soil sample site taken after BOB claims were staked, location marked and known
- Stream
- x Rock
- 40 Au value in ppb (only values > 5 ppb are shown)



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ASSESSMENT REPORT

12,744
FIG. 3-1

LAC MINERALS LTD.	
BOB CLAIM	
GOLD GEOCHEMISTRY IN PPB	
SCALE: 1:5000	DATE: AUG. 2, 1984
CONTOUR INTERVAL: 40 metres	SHEET NR.: 1 OF 2



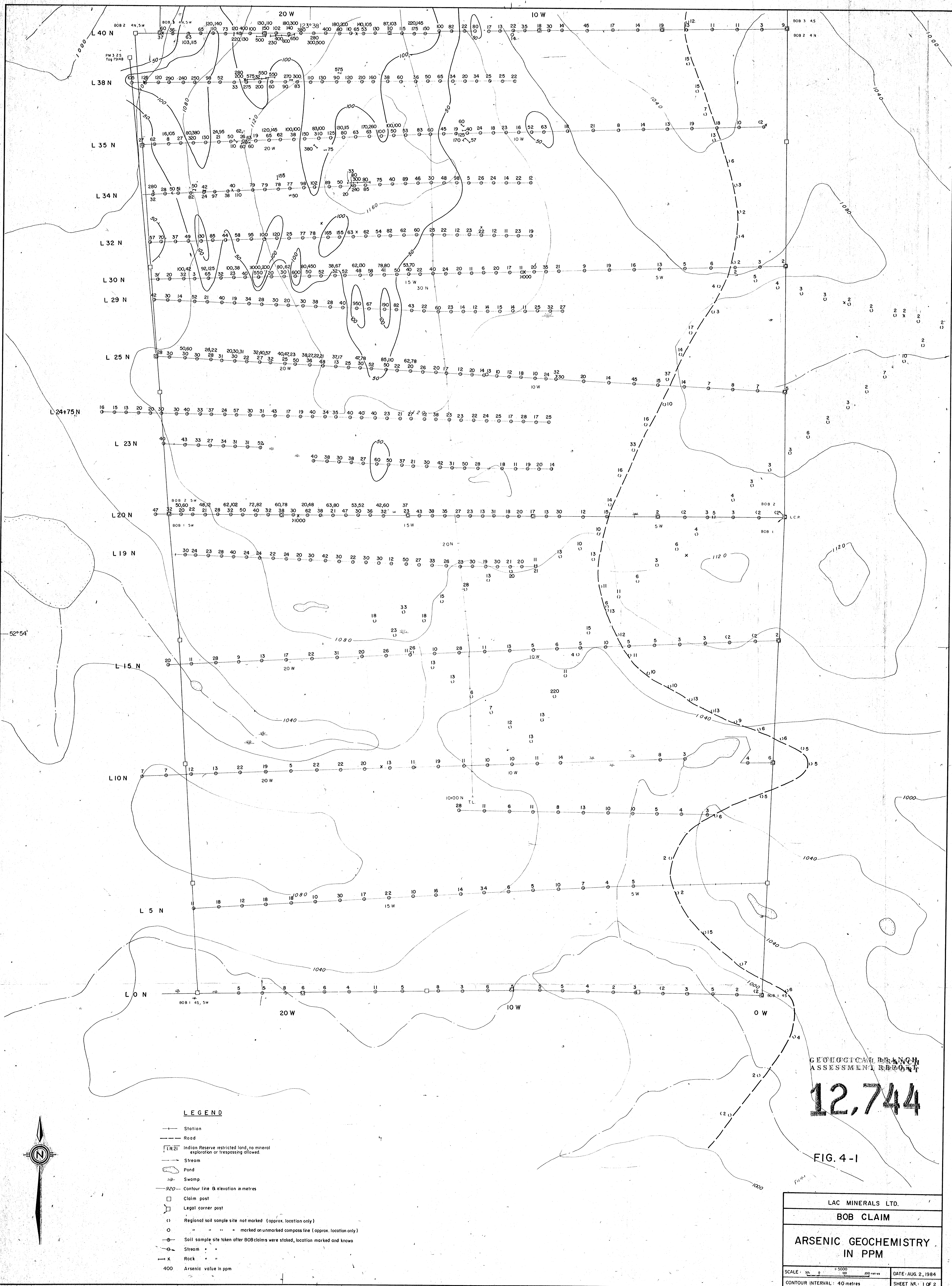
GEOLOGICAL BRANCH
ASSESSMENT REPORT

12,744

FIG. 3-2

FOR LEGEND SEE SHEET 1 (SOUTH SHEET)

LAC MINERALS LTD.	
BOB CLAIMS	
GOLD GEOCHEMISTRY IN PPB	
SCALE: 1:5000 CONTOUR INTERVAL: 40 metres	DATE: AUG. 2, 1984 SHEET NO.: 2 of 2



GEOLOGICAL BRANCH
ASSESSMENT REPORT

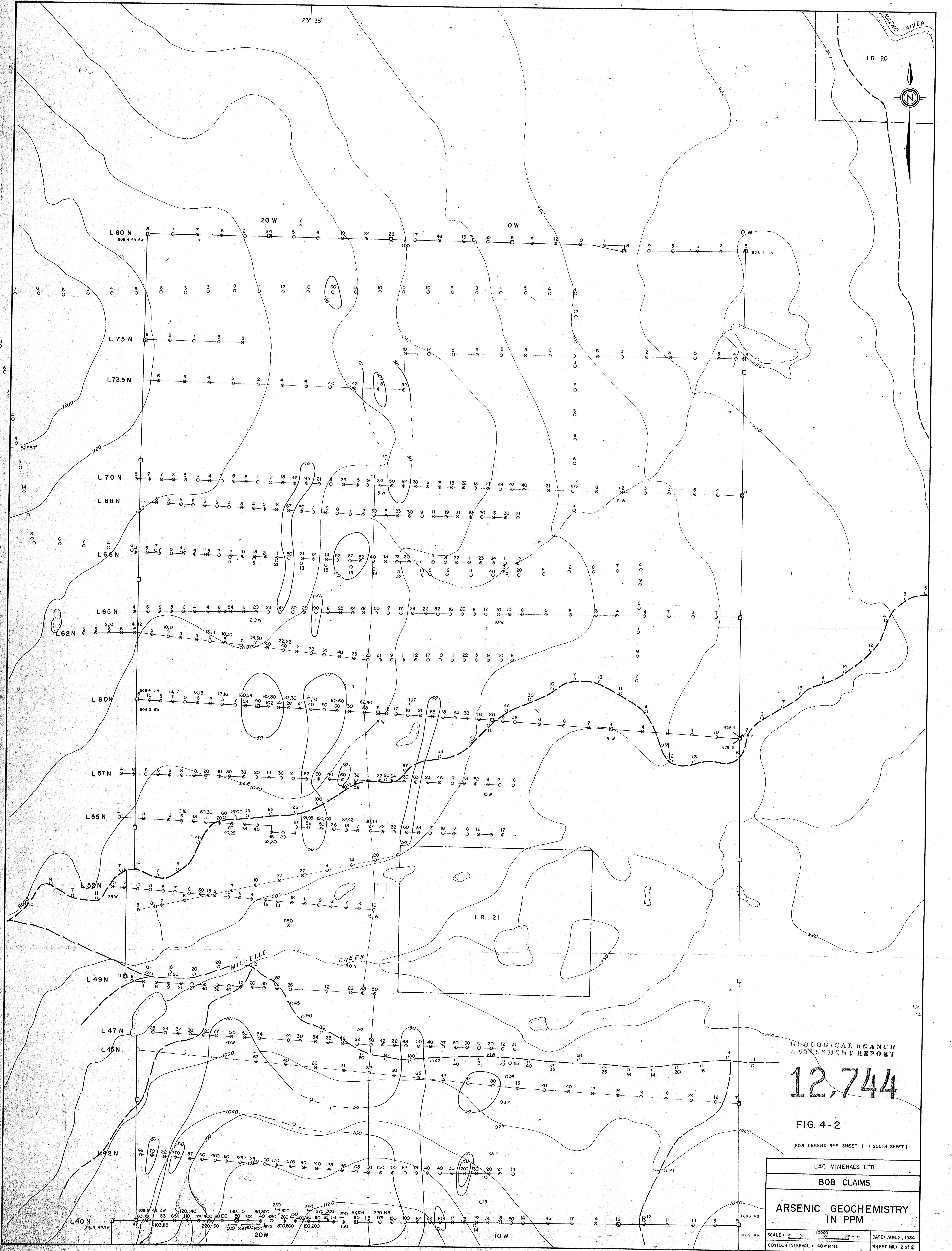
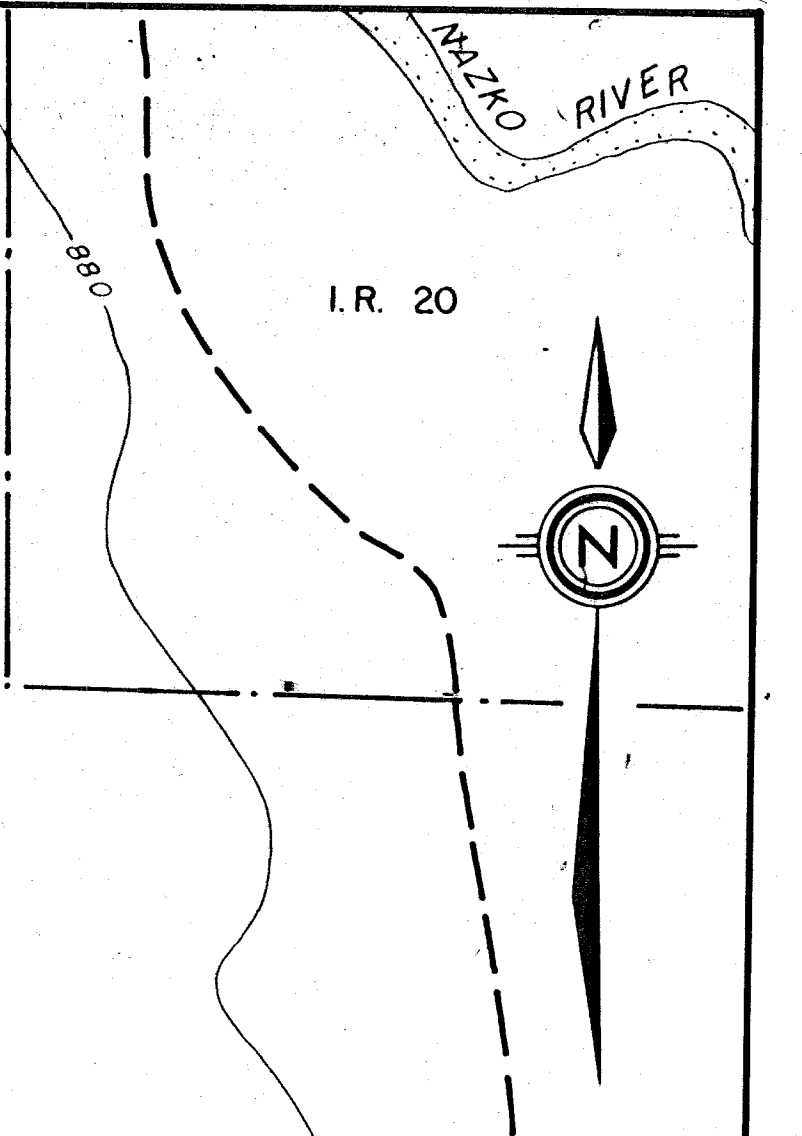
12,744

FIG. 4-1

LAC MINERALS LTD.	
BOB CLAIM	
ARSENIC GEOCHEMISTRY IN PPM	
SCALE: 1:5000	DATE: AUG. 2, 1984
CONTOUR INTERVAL: 40 metres	SHEET NO. 1 OF 2

- LEGEND**
- Station
 - Road
 - IRZ Indian Reserve restricted land, no mineral exploration or trespassing allowed
 - Stream
 - Pond
 - Swamp
 - 920 Contour line @ elevation in metres
 - Claim post
 - Legal corner post
 - Regional soil sample site not marked (approx. location only)
 - marked on unmarked compass line (approx. location only)
 - Soil sample site taken after BOB claims were staked, location marked and known
 - Stream
 - Rock
 - 400 Arsenic value in ppm

123° 38'



GEOLOGICAL BRANCH
ASSESSMENT REPORT

12,744

FIG. 4-2

FOR LEGEND SEE SHEET 1 (SOUTH SHEET)

LAC MINERALS LTD.	
BOB CLAIMS	
ARSENIC GEOCHEMISTRY IN PPM	
SCALE: 1:5000 CONTOUR INTERVAL: 40 metres	DATE: AUG. 2, 1984 SHEET NO.: 2 of 2