

2003 TECHNICAL REPORT

on work performed by
G Richards
and
D Bennett

As Partial Fulfillment of their
2003 GRASSROOTS PROSPECTING PROGRAM
under the
YUKON MINING INCENTIVES PROGRAM
Numbers 03-066 & 03-067

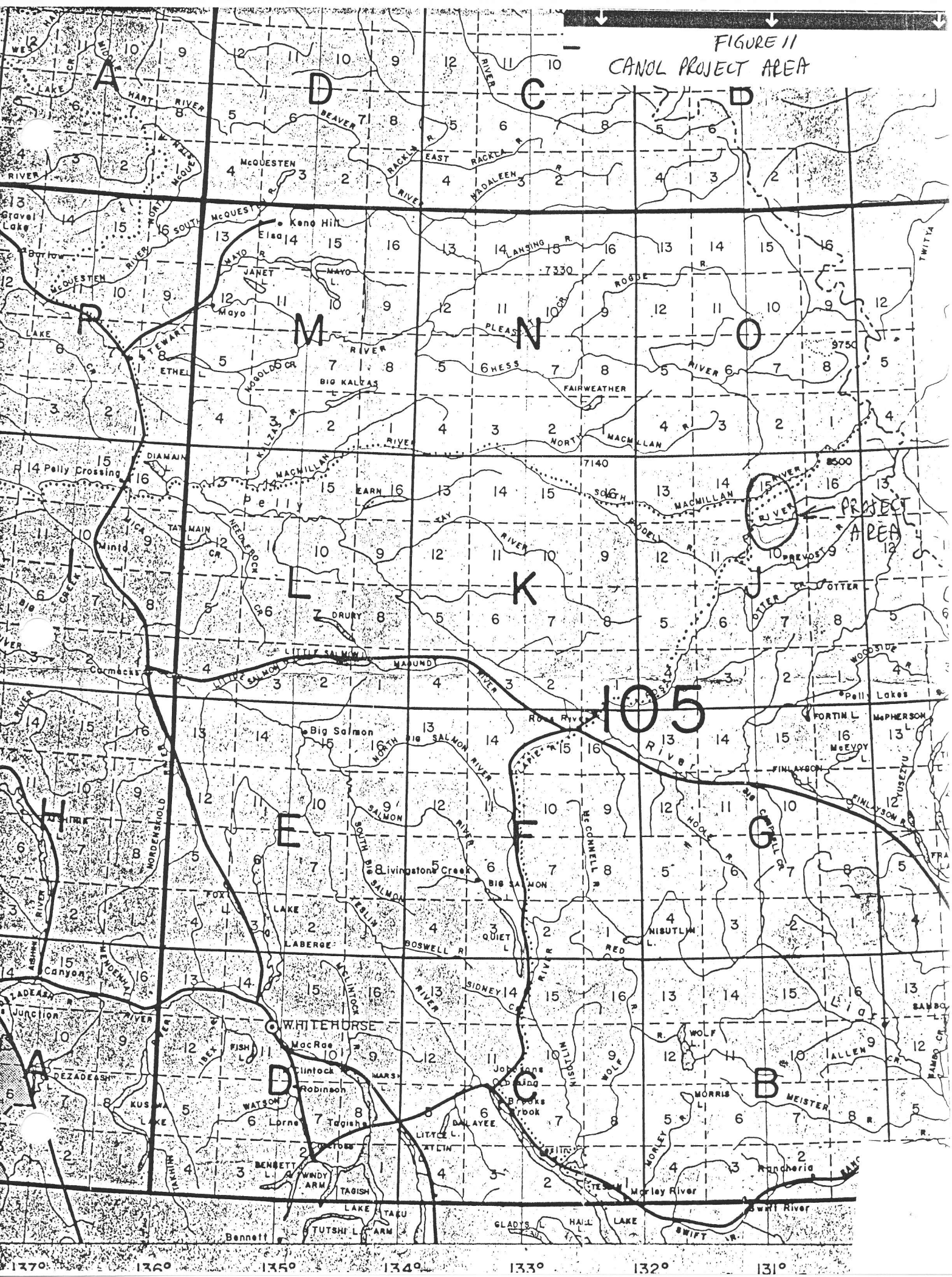
In the
CANOL AREA
NTS 105J/10,11,14,15
and the
DEMPSTER AREA
NTS 116G/01,08,09
116H/14,15
116I/02-04,06-09,16

January 23, 2004

G Richards & D Bennett

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PO Box 2703
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FIGURE 11
CANOL PROJECT AREA



CANOL AREA

LOCATION, ACCESS & WORK PROGRAM.

Richards and Bennett left Carmacks by truck on the morning of June 29 for Sheldon Lake on the Canol Road. They camped at Sheldon Lake. On the 30th they inflated their boat packed gear and boated up the Ross River until shallow water prevented further progress. From a camp on the north shore of the river and a second camp further downstream they conducted exploration traverses over a portion of the survey area. They returned to their truck on the shore of Sheldon Lake on July 6th where they camped and conducted the prospecting until they left the area for Whitehorse on July 10th. Following is a summary of their work.

Day	Date	Activity D Bennett	Activity G Richards
1	June 29	Drove Carmacks – Ross River – Sheldon Lake	
2	30	Inflated boat and boated upstream on Ross River	
3	July 1	Silt & till sampled	Silt & till sampled
4	2	“	“
5	3	“	“
6	4	“	“
7	5	“	“
8	6	Bulk sample and boated down Ross R to Sheldon L	
9	7	Silt & till sampled	Bulk Sampled
10	8	“	Silt & till sampled
11	9	“	“
12	10	Bulk sampled. Packed camp, drove Whitehorse.	

GEOLOGY.

Chert, siltstone and shale of the Road River Group and minor Earn Group sediments underlie most of the area surveyed. Volcanic rocks within the Road River Group, and which formed a target for diamond exploration, were noted in one area and were sampled by till and stream samples for

metals and also by a bulk sample for diamonds. No outcrop or angular float that might be indicative of shallow outcrop was found on the hills that were traversed on both sides of Ross River. The area sampled by P 249 to 263, where the best geochemical results were obtained contained angular float of chert, shale and limy siltstone.

WORK DONE.

Silt and till samples were collected on traverses oriented across ice as best as possible. Till samples were collected as shown on Figure 2 by digging with mattock into till below a thin vegetative cover. About one kg of till was collected and placed into appropriately numbered gusseted kraft sample bags. A corresponding numbered flag was tied to a nearby tree. Rock type of nearby float and type of soil chips in the till sample pit was noted. Rock chip samples were collected from a few pieces of float by collecting from three to seven rock chips and placing them into numbered kraft sample bags and labeling a piece of flagging and tying to an adjacent tree. Silt samples were collected by scoop from active stream sediment in creeks and placed into numbered gusseted kraft sample bags. Many of the silt samples were screened in the field through a minus-20 mesh screen. Biogeochemical samples were collected from bark on a white spruce or black spruce tree, four to eight inches in diameter. A paint scraper and paper plate was used to collect the bark, which was placed into a numbered gusseted kraft sample bag. A numbered flag was hung from the tree. Biogeochemical samples were only collected if the ground was so frozen that till samples could not be collected. 137till, 10 rock, 44 silt, and 54 bark samples were collected in the area.

5 Bulk samples were collected by wet screening into a large pail 15 to 20 kg of minus-16 mesh material from gravel bars at sample sites. Screened

material was scooped into two, numbered, spun-polyester bags, which allowed much of the water to soak out of the bag and the sample to dry. Samples were carefully packed in large plastic pails for transport back to Whitehorse where they were packed into rice bags for shipment to The Saskatchewan Research Council in Saskatoon for processing. Here samples were further screened and separated by dense liquids to fractions with a specific gravity >3.1. Magnetic separation was used for further separation. Grains of .25 to .85 mm were examined for selection of grains of pyrope, eclogitic garnet, chromite, ilmenite, olivine, clinopyroxene, tourmaline and others, if present.

RESULTS.

Results were discouraging. A high background for Zn and Ag is known from RGS data. Till sample P253 and silt samples P254-P259 were anomalous for Ag, Zn, Cu, Mo, Ni, U, and Mn possibly reflecting stratabound mineralization. This area lies about three-km north of minfile occurrence 105J/12 and right over one of the weak airborne government anomalies. Outcrops immediately north, along the Canol road, strike northeasterly with near vertical attitudes. No gold anomalies were found in any of the samples.

Bulk sample J5, which was draining the one area of known volcanic rocks, contained 8 chromite grains and one ilmenite grain. However the chrome oxide content of the chromites were far too low to be of significance as diamond indicator minerals.

CONCLUSIONS AND RECOMMENDATIONS.

No encouragement for gold or diamond mineralization was found in the Canol Area of the project. Some encouragement for base metal

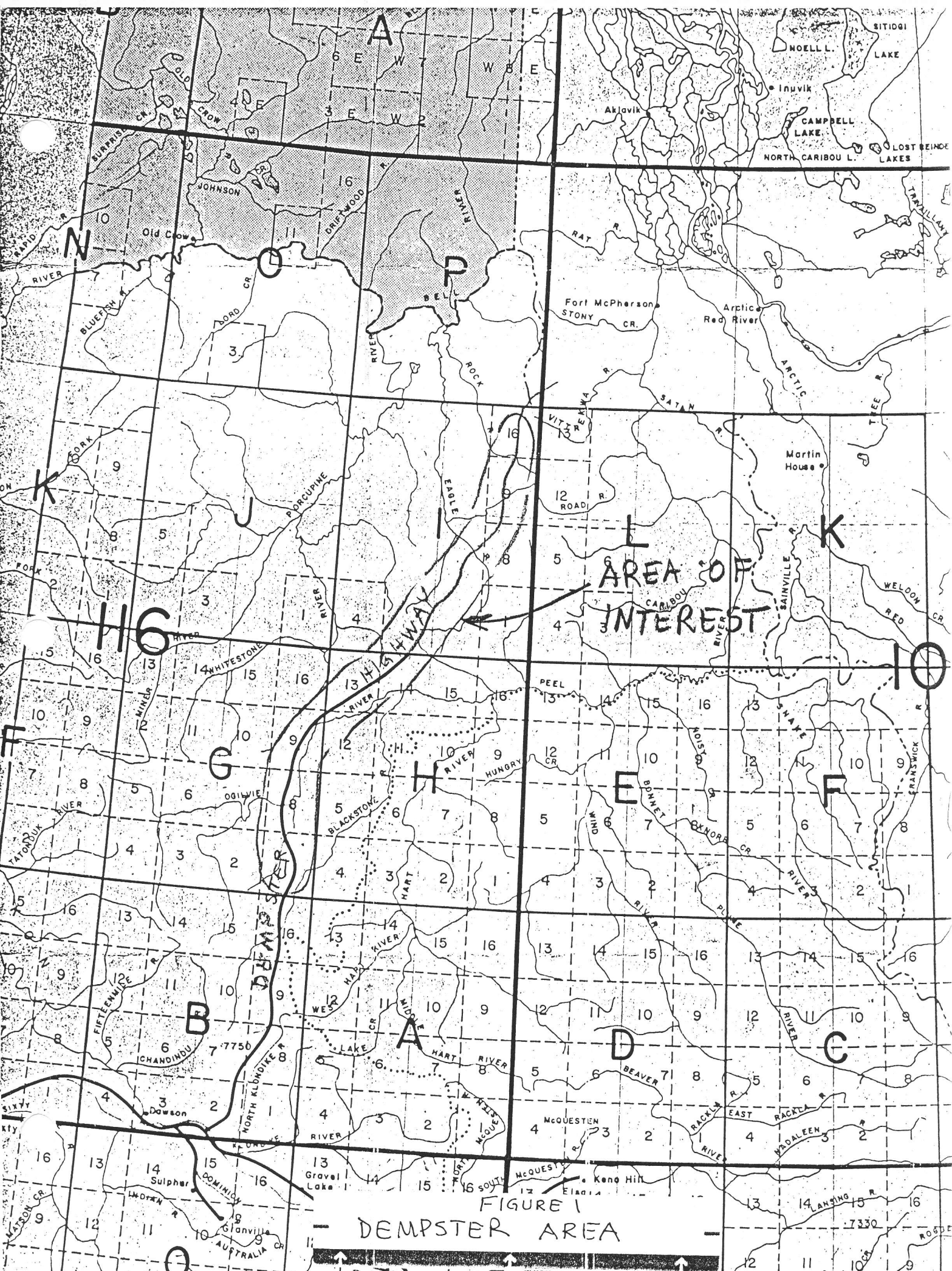


FIGURE 1
- DEMPSTER AREA

mineralization with anomalous silver exists in one area associated with a weak airmag high and three km north of a minfile Zn occurrence.

The location, metal prices and difficulty of developing interest in a base metal occurrence at this locality makes follow-up unwarranted at this time. However, the presence of anomalous silver values does make this target of some interest.

DEMPSTER AREA

LOCATION, ACCESS AND WORK PROGRAM

The area lies on both sides of the Dempster Highway from Engineer Creek to White Fox Creek, north of the Arctic Circle. Access was made via the Dempster Highway from where traverses were made to creeks targeted for bulk sampling for diamond exploration. One day of helicopter support was used to access slightly more remote sample sites and to collect some of the previously collected and stashed samples. Following is a summary of the prospector's work.

Day	Date	Activity D Bennett & G Richards
13	June 2	Drove Whitehorse-Engineer Creek. Bulk Sample D1.
14	3	Bulk Sample D2, D3
15	4	Bulk Sample D4, drove Eagle Plains
16	5	Bulk Sample D5-7
17	6	Bulk Sample D8-10
18	7	Traverse in to McParker Ck.

19	8	Search for gravel move camp to forks McP Ck
20	9	Search south fork. Traverse back to truck.
21	10	Traverse in, bulk sample D11
22	June 11	Traverse out to truck. Drove Whitehorse.
23	July 21	Drove Whitehorse to Eagle Plain.
24	22	Traverse in, bulk sample D12.
25	23	Traverse out to truck. To Eagle Plain.
26	24	Helicopter spot landings. Bulk sample K1 to K5, pick up stashed D samples.
27	25	Processed K1 to K5 samples
28	26	Traverse in, bulk sample D13.
29	27	Traverse out to truck.
30	28	Bulk sample D14. Drove Ogilvie River.
31	29	Drove Whitehorse, ship samples.

WORK DONE.

Program as proposed was a first pass in untested territory for kimberlites, lamproites and other potassic intrusions using bulk samples reduced by heavy liquids and magnetic processing to yield diamond indicator minerals. Cretaceous sediments cover the central portion of the survey area and Paleozoic sediments cover the north and south portions of the survey area.

19 Bulk samples were collected and processed as described above under the Canol Area. Samples collected by helicopter were approximately 30 to 40 kg of minus-8 mesh material quickly screened. These samples were taken to a nearby creek and screened the following day to minus-16 mesh.

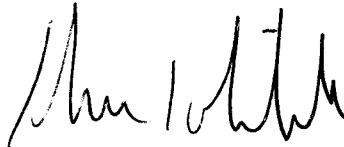
RESULTS.

Results were discouraging. No diamond indicator minerals of any kind were recovered.


CONCLUSIONS AND RECOMMENDATIONS.

No further work is warranted in the immediate area of the samples. If further sampling is undertaken, drainages well removed from the present survey area should be considered.

Respectfully yours

A handwritten signature in black ink, appearing to read "Gordon G Richards". The signature is fluid and cursive, with a prominent vertical stroke at the beginning.

Gordon G Richards

A handwritten signature in black ink, appearing to read "David R. Bennett". The signature is cursive and somewhat stylized.

David Bennett



GEOCHEMICAL ANALYSIS CERTIFICATE



Richards, Gordon PROJECT CANOL File # A303591 Page 1 (a)
6410 Holly Park Drive, Delta BC V4K 4W6

Table with columns: SAMPLE#, Mo, Cu, Pb, Zn, Ag, Ni, Co, Mn, Fe, As, U, Au, Th, Sr, Cd, Sb, Bi, V, Ca, P, La, Cr, Mg, Ba, Ti, Al, Na, K, W, Zr, Sn, Be, Sc, S. Rows include samples P201 to P291 and STANDARD DST5.

GROUP 11-MS - 0.25 GM SAMPLE DIGESTED WITH HClO4-HNO3-HCl-HF TO 10 ML. UPPER LIMITS - AG, AU, W = 200 PPM; MO, CO, CD, SB, BI, TH & U = 4,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM. DIGESTION IS PARTIAL FOR SOME MINERALS & MAY VOLATIZE SOME ELEMENTS, ANALYSIS BY ICP-MS. - SAMPLE TYPE: TILL S150 Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 21 2003 DATE REPORT MAILED: Sept 16/03 SIGNED BY: [Signature] D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS



SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	Al %	Na %	K %	W ppm	Zr ppm	Sn ppm	Be ppm	Sc ppm	S %
P292	3.67	43.20	18.13	164.4	507	34.2	10.5	383	2.74	28.8	3.5	<.1	9.4	101	.73	4.17	.32	155	.45	.123	36	62	.43	2377	.351	5.22	.488	1.51	1.5	58.8	1.9	2	6.8	<.04
P293	2.12	10.71	17.17	72.4	111	9.9	3.5	221	1.96	15.7	2.8	<.1	7.0	89	.21	1.78	.29	165	.24	.109	32	55	.35	1516	.644	5.17	.468	1.54	2.0	71.4	2.6	1	5.6	<.04
P294	2.82	41.01	16.55	188.3	428	37.1	12.0	413	2.92	22.8	3.1	<.1	8.7	99	.60	3.06	.22	135	.42	.090	33	53	.44	1998	.415	5.29	.557	1.38	1.3	63.6	1.8	2	6.2	<.04
P295	3.34	18.11	15.37	102.5	201	17.8	7.2	271	3.52	43.6	3.0	<.1	7.7	87	.31	3.64	.28	173	.24	.156	34	63	.42	1508	.544	5.95	.363	1.63	1.7	68.1	2.3	2	6.4	<.04
P297	3.54	45.10	16.07	179.1	190	48.6	14.6	448	3.74	38.9	3.0	<.1	7.6	102	.49	6.60	.27	181	.44	.153	34	78	.55	1680	.656	5.14	.434	1.46	3.1	73.7	2.1	2	6.7	<.04
P298	3.30	29.37	15.73	151.1	103	43.8	11.6	328	4.14	46.5	3.2	<.1	8.3	107	.26	7.83	.28	184	.32	.128	39	85	.54	1755	.661	6.00	.409	1.59	2.4	79.0	2.5	2	7.2	<.04
P299	3.23	15.70	15.64	100.2	181	17.7	5.6	238	2.62	20.3	2.7	<.1	7.6	119	.25	2.23	.29	167	.45	.047	34	64	.48	1859	.352	5.64	.441	1.46	3.1	57.0	2.1	1	6.4	<.04
Q107	2.42	19.46	16.34	50.6	409	3.7	2.6	216	1.54	6.9	3.0	<.1	8.3	424	.41	1.76	.20	106	.66	.138	37	35	.31	3315	.346	5.84	1.290	1.95	2.1	102.4	1.6	2	5.3	.06
Q115	3.46	34.57	17.87	140.5	436	29.6	7.9	330	2.02	20.6	4.0	<.1	9.4	153	.60	3.39	.35	156	.60	.126	37	55	.59	2568	.274	5.25	.598	2.04	1.6	61.2	2.5	3	7.3	<.04
Q117	6.91	28.39	21.13	203.9	481	28.9	5.5	269	4.58	36.0	3.3	<.1	6.4	69	1.01	4.93	.28	262	.18	.250	25	72	.48	2089	.233	5.45	.231	1.36	1.3	52.6	1.8	1	6.0	<.04
Q118	3.73	18.33	15.58	63.7	205	7.8	2.2	191	1.58	17.4	3.0	<.1	5.9	128	.25	2.07	.27	166	.29	.093	28	44	.31	1729	.253	4.25	.492	1.75	1.5	64.8	1.8	1	4.8	<.04
Q120	9.32	38.11	35.30	147.3	1532	20.6	4.2	271	4.60	53.6	3.2	<.1	6.2	96	.31	7.78	.36	246	.21	.315	25	66	.44	1912	.242	4.43	.271	1.41	1.4	54.0	2.0	1	6.2	.15
Q122	4.24	21.79	14.20	82.9	589	16.1	3.7	184	1.96	16.2	3.7	<.1	7.3	78	.31	2.55	.29	177	.25	.097	32	67	.48	2068	.297	4.50	.292	1.50	1.3	57.4	2.1	1	6.6	<.04
Q125	3.42	20.94	10.75	63.3	146	12.0	2.4	126	1.33	15.5	3.3	.1	6.8	75	.24	1.92	.20	163	.21	.064	32	57	.30	1719	.304	3.83	.282	1.63	1.8	65.2	2.0	2	5.6	<.04
Q126	3.98	28.84	13.40	132.0	1300	23.3	4.9	180	2.68	15.9	3.0	<.1	7.0	67	.36	3.10	.26	161	.19	.078	24	63	.44	1692	.242	4.93	.354	1.34	1.2	47.7	1.7	2	5.6	.04
Q132	4.23	40.88	15.34	144.0	462	28.8	5.3	253	2.27	20.9	3.3	<.1	6.4	122	.38	3.18	.22	158	.39	.150	27	54	.42	2133	.208	4.32	.437	1.69	1.1	54.6	1.6	2	5.8	.06
Q133	5.35	38.12	18.16	163.8	200	27.3	7.8	409	2.41	23.2	3.0	<.1	6.5	72	.40	3.88	.27	192	.23	.112	28	65	.45	2301	.261	4.10	.226	1.53	1.2	48.0	1.9	1	6.2	<.04
Q135	4.15	23.38	11.59	118.2	856	20.1	3.4	175	1.91	16.4	3.1	<.1	6.5	95	.21	2.59	.20	164	.35	.167	30	57	.47	2267	.246	4.05	.292	1.65	1.4	48.7	1.7	1	5.8	<.04
RE Q135	4.11	22.72	11.62	114.8	829	19.8	3.5	161	1.89	17.3	3.2	<.1	6.6	96	.22	2.56	.20	166	.35	.167	29	59	.47	2245	.256	4.03	.301	1.60	1.2	50.3	1.6	1	5.8	<.04
Q141	6.53	24.64	18.76	122.5	715	20.0	4.0	210	3.24	39.8	3.2	<.1	6.2	78	.34	3.92	.30	270	.24	.173	28	82	.50	2180	.248	5.32	.249	1.81	1.6	51.1	2.4	2	7.3	.04
Q142	3.64	19.71	14.10	104.9	680	18.9	3.9	197	2.13	18.4	3.1	<.1	7.1	76	.23	2.55	.21	174	.24	.054	29	61	.41	1832	.286	4.77	.349	1.58	1.5	52.3	2.0	2	6.1	<.04
Q145	4.56	53.15	21.71	207.6	484	43.6	10.6	371	2.46	33.8	4.7	<.1	10.2	128	1.22	4.36	.39	185	.58	.131	40	63	.56	3572	.284	5.47	.463	2.17	1.7	57.3	2.5	2	9.2	.05
Q146	5.89	44.85	20.03	201.5	399	37.6	11.1	422	2.51	32.4	4.1	<.1	10.2	117	.85	4.33	.40	190	.48	.126	36	65	.51	2521	.289	5.51	.472	2.09	2.0	61.7	2.4	2	8.5	.08
Q149	5.48	40.02	15.63	182.7	274	31.5	5.5	287	2.58	30.6	3.4	<.1	7.3	99	.32	4.08	.25	194	.36	.111	33	65	.50	2341	.262	4.65	.352	1.72	1.4	54.9	2.1	2	7.0	<.04
Q159	6.51	64.31	15.19	194.1	1236	32.8	4.5	286	2.54	17.4	6.3	<.1	7.9	192	2.18	3.52	.28	338	.58	.150	29	99	.49	1970	.260	6.71	.856	1.90	1.3	71.9	2.2	2	8.4	.07
Q160	5.91	20.76	18.11	83.1	654	11.6	2.2	86	2.07	20.7	2.8	<.1	5.5	50	.16	3.53	.20	229	.11	.076	23	53	.27	1112	.202	3.35	.168	1.09	1.2	46.2	1.6	1	4.4	.06
Q161	3.99	13.44	13.67	42.9	214	6.1	1.3	62	1.17	15.7	2.6	<.1	6.5	62	.12	4.23	.15	130	.10	.054	26	40	.20	1173	.274	2.94	.227	1.05	1.4	58.3	1.6	1	4.2	.04
Q164	11.92	23.68	17.68	50.4	345	6.5	1.7	99	1.79	16.1	3.0	<.1	6.5	104	.09	2.93	.24	204	.20	.069	27	48	.23	1824	.288	3.87	.361	1.17	1.3	58.6	2.4	1	4.5	.09
Q165	4.85	15.50	12.38	46.3	677	6.7	1.7	130	1.17	12.9	2.9	<.1	6.2	87	.13	2.10	.20	177	.21	.039	29	42	.23	1225	.293	3.64	.360	1.19	1.5	58.9	1.8	1	4.5	<.04
Q166	7.02	63.25	15.20	59.8	1909	10.1	2.9	204	2.15	11.9	4.7	<.1	7.2	221	.20	2.36	.21	218	.56	.111	29	47	.35	1280	.270	5.67	1.056	1.68	1.2	78.2	1.6	1	7.1	.10
Q168	6.34	40.98	18.34	147.9	620	31.5	6.3	180	2.69	26.8	3.5	<.1	7.7	95	.47	4.25	.33	224	.27	.093	30	70	.39	1903	.266	5.55	.382	1.60	1.4	63.5	2.0	2	6.9	<.04
Q172	9.99	44.96	20.94	273.8	2598	39.5	7.8	516	4.52	41.5	5.3	<.1	7.6	69	1.15	6.27	.29	389	.25	.298	26	95	.41	1637	.215	5.21	.221	1.60	1.3	56.6	1.9	2	6.8	.07
Q173	5.74	35.88	17.33	171.6	649	25.9	7.0	298	2.44	19.3	4.0	<.1	8.4	119	.47	2.96	.26	235	.30	.084	31	70	.35	1414	.258	5.08	.493	1.81	1.3	66.2	1.8	2	6.3	.04
Q174	5.84	43.10	17.85	213.7	970	35.7	7.8	335	2.12	31.5	5.3	<.1	7.4	109	1.65	4.03	.26	294	.50	.153	30	80	.36	1861	.207	4.88	.468	1.59	2.1	51.5	1.7	2	6.0	.08
STANDARD DST5	14.29	145.04	29.46	161.5	343	31.8	14.4	1117	4.20	23.0	7.4	<.1	6.5	367	5.03	6.46	5.98	117	2.30	.104	28	230	1.25	710	.403	7.73	1.700	1.45	10.3	47.6	7.2	2	11.9	.05

Sample type: TILL S150. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	Al %	Na %	K %	W ppm	Zr ppm	Sn ppm	Be ppm	Sc ppm	S %
Q175	5.23	120.50	15.03	150.4	573	29.7	6.6	246	2.10	29.0	4.7	<.1	7.2	123	2.00	3.49	.26	21.4	.59	.172	27	59	.31	1649	.172	4.00	.480	1.77	1.5	48.2	1.4	2	6.9	.08
Q176	6.75	41.51	26.08	104.7	1847	17.8	5.1	229	2.42	27.0	4.8	<.1	8.3	200	.52	6.38	.62	27.4	.25	.208	32	92	.37	345	.324	4.70	.268	1.95	2.4	66.6	1.9	2	8.3	.20
Q177	5.84	54.64	16.71	166.3	1104	28.0	7.9	307	2.48	22.1	5.1	<.1	9.2	144	.65	4.13	.26	24.1	.43	.114	32	71	.41	1944	.268	5.14	.584	1.78	1.6	65.0	1.6	2	7.1	<.04
Q178	6.20	61.66	18.25	205.6	681	50.9	14.7	556	2.61	34.8	4.8	<.1	8.5	115	1.44	4.71	.29	26.4	.52	.190	29	75	.39	2013	.223	4.79	.452	1.67	1.6	50.9	1.8	2	7.0	<.04
Q180	3.93	20.03	13.36	36.0	2037	8.5	1.7	90	2.39	27.7	3.8	<.1	7.9	93	.09	3.08	.23	20.4	.23	.067	31	64	.32	1688	.300	4.46	.339	1.58	1.5	59.4	1.9	1	6.9	<.04
Q181	4.32	33.51	15.33	139.3	559	20.4	6.6	265	2.78	29.1	3.2	<.1	7.6	74	.46	3.06	.25	17.9	.41	.189	23	54	.28	1371	.166	4.72	.337	1.25	1.9	41.1	1.2	1	5.3	.04
Q182	5.61	32.48	18.82	108.4	828	20.7	4.4	242	1.71	19.0	3.9	<.1	7.0	183	.66	3.36	.25	23.3	.55	.119	26	66	.35	2142	.259	4.45	.719	1.70	1.5	68.0	1.8	1	6.4	.05
Q183	8.04	41.62	19.56	157.7	1165	26.8	7.1	804	2.20	20.2	4.8	<.1	7.6	180	1.51	4.46	.26	28.6	.64	.174	29	81	.43	2796	.260	4.69	.634	1.68	2.0	64.3	1.7	1	7.5	.10
Q184	6.24	45.44	18.39	186.0	405	34.6	9.5	385	2.80	24.2	4.1	<.1	8.6	120	1.10	2.98	.23	19.3	.58	.185	31	68	.45	2030	.261	5.08	.635	1.65	1.3	61.6	1.8	2	7.6	.04
Q185	18.60	70.25	18.91	304.0	1969	61.1	15.7	359	3.01	21.9	4.8	<.1	11.1	58	4.04	5.19	.21	42.6	.96	.211	37	94	.74	1330	.389	6.39	.138	2.14	1.2	76.0	2.3	3	11.0	<.04
Q187	4.06	44.63	17.21	195.5	408	40.2	12.6	512	3.30	18.5	3.1	<.1	9.5	105	1.11	2.11	.22	14.4	1.80	.204	33	78	.89	1716	.357	6.27	.613	2.13	1.3	64.0	2.2	2	10.3	.04
Q188	12.99	65.15	16.45	234.0	538	47.2	7.7	334	3.43	33.3	3.9	<.1	8.4	103	1.28	4.15	.27	22.0	.44	.156	29	89	.47	2059	.313	5.32	.455	1.86	1.1	71.1	1.8	2	9.4	<.04
Q189	5.35	61.36	16.15	202.6	377	34.7	10.0	367	3.10	29.2	4.2	<.1	8.9	99	.54	4.56	.24	22.3	.31	.114	34	71	.51	3587	.328	4.82	.388	1.65	1.3	58.2	1.8	2	8.3	<.04
Q190	4.37	38.35	12.11	129.5	410	19.7	4.5	221	2.32	19.8	3.3	<.1	6.9	150	.28	3.11	.19	18.6	.45	.100	28	54	.43	2686	.301	4.93	.720	1.67	1.1	65.2	1.6	2	6.1	<.04
RE Q190	4.34	35.97	11.88	132.4	429	19.3	4.6	222	2.29	19.1	3.1	<.1	6.6	154	.26	3.08	.17	18.6	.44	.100	28	45	.43	2649	.293	4.85	.721	1.64	1.3	66.2	1.5	1	6.1	<.04
Q192	5.85	71.02	15.19	256.0	526	50.4	9.6	457	3.07	29.5	4.8	<.1	8.0	113	1.11	5.12	.22	25.6	.42	.159	31	79	.55	5401	.291	4.78	.339	1.78	1.3	53.5	1.6	2	9.0	.07
Q193	5.25	70.91	23.93	223.6	488	58.8	28.8	800	3.72	29.7	4.0	<.1	10.0	151	1.00	5.38	.33	21.9	.71	.135	37	86	.66	4290	.358	6.13	.332	2.27	1.5	61.7	2.0	2	10.6	.05
Q200	7.66	40.12	16.02	200.5	790	28.3	7.9	356	2.44	25.3	3.9	<.1	6.8	93	.77	4.06	.21	27.1	.46	.128	25	68	.36	1674	.218	4.48	.480	1.48	1.3	47.1	1.5	2	5.9	<.04
STANDARD DST5	13.87	151.51	29.94	171.8	380	33.2	15.6	1105	4.41	23.9	7.0	<.1	6.7	384	4.99	6.88	5.95	12.3	2.31	.120	27	233	1.23	715	.421	7.39	1.846	1.43	10.6	47.7	7.0	2	12.9	.08

Sample type: TILL S150. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

GEOCHEMICAL ANALYSIS CERTIFICATE

Richards, Gordon PROJECT CANOL File # A303591 Page 1 (b)
6410 Holly Park Drive, Delta BC V4K 4W6



SAMPLE#	Y	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Hf	Li	Rb	Ta	Nb	Cs	Ga
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
P201	11.9	47.45	5.7	21.4	3.9	.6	2.9	.4	2.3	.4	1.6	.2	1.9	.2	1.81	23.8	79.2	.6	6.86	5.5	12.24
P203	20.1	55.49	6.9	27.4	5.1	1.1	4.6	.7	3.9	.7	2.4	.3	2.5	.3	2.10	25.0	81.5	.6	7.09	6.8	11.94
P204	16.3	52.26	6.6	26.1	4.9	.9	3.5	.6	3.0	.6	1.9	.2	1.8	.2	1.71	23.7	72.2	.6	6.68	4.6	10.90
P205	11.3	49.19	5.9	22.4	3.9	.7	2.7	.4	2.1	.3	1.4	.2	1.7	.2	1.66	21.0	77.3	.5	5.96	6.7	11.12
P208	10.9	57.94	6.6	24.3	3.9	.6	2.1	.4	1.9	.4	1.5	.2	1.7	.2	2.08	26.0	108.0	.8	9.39	7.7	15.90
P219	9.1	49.94	5.9	22.6	3.6	.6	2.3	.3	1.8	.3	1.2	.2	1.3	.2	1.60	17.6	86.7	.7	8.27	5.3	14.69
P221	10.8	42.80	5.1	19.6	3.4	.5	2.4	.4	1.8	.4	1.4	.2	1.5	.2	1.60	26.3	85.8	.5	6.27	5.7	12.48
P225	16.5	58.87	7.3	28.1	5.7	1.0	3.9	.7	3.2	.6	2.1	.2	2.1	.2	1.87	26.9	68.8	.7	8.97	3.8	10.35
P227	15.2	57.83	6.9	26.3	5.1	1.0	3.7	.6	3.0	.5	2.0	.2	1.9	.2	1.93	37.9	85.5	.7	8.65	5.2	13.68
P230	10.9	48.67	5.5	19.9	3.4	.6	2.3	.4	1.8	.4	1.3	.2	1.6	.2	2.04	23.9	110.7	.7	8.45	7.4	16.74
P232	16.2	58.98	7.1	27.7	5.6	1.0	4.0	.7	3.3	.5	1.9	.2	2.1	.2	1.69	28.6	72.4	.6	7.77	4.2	10.98
P236	22.3	65.86	8.6	33.5	6.8	1.4	5.8	.9	4.0	.8	2.8	.3	2.9	.3	1.84	29.3	85.3	.6	7.38	5.2	12.73
P237	18.0	59.57	7.3	28.9	5.8	1.1	4.6	.7	3.3	.6	2.1	.2	2.1	.3	1.66	27.4	78.5	.6	7.21	4.4	12.24
P238	11.6	52.32	6.2	23.3	4.2	.8	2.5	.4	2.2	.4	1.5	.2	1.5	.2	1.88	32.0	81.7	.6	6.69	5.4	12.92
P239	10.6	45.50	5.2	19.4	3.6	.6	2.5	.4	2.1	.4	1.3	.2	1.6	.2	1.64	28.5	79.6	.5	6.01	6.0	12.48
RE P239	11.0	46.46	5.3	20.8	3.7	.6	2.6	.4	2.0	.4	1.4	.2	1.6	.2	1.69	30.6	82.2	.5	6.00	6.4	12.53
P241	11.9	55.44	6.6	24.3	4.5	.8	2.8	.5	2.3	.4	1.5	.2	1.6	.2	1.85	29.0	84.9	.6	7.84	5.8	14.35
P251	19.3	66.32	8.4	33.0	6.2	1.0	4.7	.8	3.5	.6	2.2	.3	2.5	.3	1.82	22.6	75.7	.6	6.76	3.4	10.76
P253	27.8	60.26	8.3	33.8	6.6	1.2	5.2	.9	4.6	.9	3.2	.4	3.3	.4	1.84	25.7	86.6	.6	8.19	4.7	13.39
P261	19.3	61.79	8.4	32.5	6.2	1.2	4.3	.7	3.5	.6	2.2	.3	2.3	.3	1.66	20.2	72.8	.5	6.31	2.9	10.60
P266	13.7	47.97	6.2	24.7	4.5	.8	2.9	.5	2.5	.5	1.7	.2	1.9	.2	1.70	20.8	98.4	.5	6.74	6.3	14.27
P267	17.0	52.86	6.7	26.4	5.2	1.0	3.5	.6	3.1	.6	2.0	.2	2.1	.2	1.83	26.4	91.6	.6	6.72	5.8	13.90
P268	10.0	57.76	6.8	25.5	4.4	.8	2.6	.4	1.9	.3	1.2	.2	1.4	.2	2.09	17.2	106.1	.8	8.79	5.9	15.15
P269	10.9	48.51	5.8	22.1	4.0	.6	2.3	.4	2.1	.4	1.4	.2	1.6	.2	1.77	37.5	89.7	.6	6.66	6.1	15.28
P270	18.3	52.69	6.7	26.1	4.8	.9	3.3	.6	3.0	.6	2.0	.3	2.3	.3	2.02	31.3	119.2	.7	8.05	8.3	20.24
P271	15.1	56.94	7.2	28.9	5.1	.9	3.6	.6	2.8	.5	1.7	.2	2.0	.2	1.81	31.0	85.5	.6	6.67	4.6	13.77
P280	19.2	63.29	8.2	34.8	6.5	1.2	4.2	.7	3.4	.6	2.1	.3	2.3	.3	1.82	17.2	62.5	.6	6.76	2.5	9.15
P281	20.8	56.99	7.1	27.5	5.3	1.0	4.1	.7	3.8	.7	2.4	.3	2.4	.3	2.16	40.7	135.6	.7	7.99	10.2	24.73
P283	10.8	47.01	5.7	21.9	4.0	.7	2.6	.4	1.9	.4	1.4	.2	1.6	.2	1.82	20.2	101.9	.5	6.29	5.1	13.60
P284	8.4	54.03	6.4	24.7	4.2	.6	2.4	.3	1.7	.3	1.1	.1	1.2	.2	2.07	14.5	66.4	.8	8.73	5.2	13.61
P288	8.9	51.52	5.7	21.9	3.6	.6	1.9	.3	1.6	.3	1.1	.1	1.4	.2	2.12	21.2	74.3	.8	9.23	4.8	12.16
P289	10.0	51.99	5.9	22.1	3.9	.6	2.0	.3	1.7	.4	1.3	.2	1.5	.2	1.90	32.4	91.4	.7	8.14	5.7	14.80
P290	26.8	65.23	8.5	35.3	7.6	1.6	5.8	1.1	5.2	.9	3.2	.4	2.8	.3	2.13	30.0	68.8	.7	8.68	4.2	11.25
P291	13.7	52.67	6.3	24.8	4.9	.8	3.2	.6	2.7	.5	1.6	.2	1.7	.2	1.87	30.0	71.4	.6	8.11	4.0	12.68
STANDARD DST5	14.8	49.65	5.5	21.2	4.3	1.0	3.3	.6	3.0	.5	1.9	.2	1.8	.2	1.64	23.2	54.6	.5	8.59	8.3	18.10

GROUP 1T-MS - 0.25 GM SAMPLE DIGESTED WITH HClO4-HNO3-HCl-HF TO 10 ML. UPPER LIMITS - AG, AU, W = 200 PPM; MO, CO, CD, SB, BI, TH & U = 4,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM. DIGESTION IS PARTIAL FOR SOME MINERALS & MAY VOLATIZE SOME ELEMENTS, ANALYSIS BY ICP-MS.
- SAMPLE TYPE: TILL S150 Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 21 2003 DATE REPORT MAILED: *Sept 16/03* SIGNED BY: *C.L.* TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS



SAMPLE#	Y ppm	Ce ppm	Pr ppm	Nd ppm	Sm ppm	Eu ppm	Gd ppm	Tb ppm	Dy ppm	Ho ppm	Er ppm	Tm ppm	Yb ppm	Lu ppm	Hf ppm	Li ppm	Rb ppm	Ta ppm	Nb ppm	Cs ppm	Ga ppm
P292	15.5	63.08	7.0	29.3	6.0	1.2	4.0	.6	3.3	.6	1.8	.2	2.3	.2	1.84	31.2	62.6	.8	9.26	4.7	12.77
P293	9.1	56.13	5.9	23.1	3.9	.7	2.1	.3	1.9	.4	1.1	.2	1.7	.2	2.27	23.6	88.1	1.3	14.80	14.8	17.28
P294	12.6	57.79	6.2	26.3	5.1	1.0	3.6	.5	2.9	.5	1.5	.2	1.8	.2	2.09	30.6	56.2	1.0	11.55	6.6	12.18
P295	10.3	60.40	6.5	25.5	4.7	.9	2.8	.4	2.2	.4	1.2	.2	1.7	.2	2.19	41.5	88.9	1.3	17.09	8.2	17.41
P297	13.0	62.18	6.9	29.2	5.6	1.3	3.7	.6	2.9	.5	1.4	.2	1.9	.2	2.25	32.8	60.4	1.4	17.55	5.7	14.01
P298	12.3	68.64	7.3	30.6	5.7	1.2	3.4	.5	2.8	.5	1.3	.2	1.9	.2	2.45	54.1	70.4	1.5	18.82	6.3	17.36
P299	9.5	61.39	6.2	24.2	4.3	.7	2.5	.3	2.0	.4	1.2	.2	1.7	.2	1.85	38.2	76.6	.8	9.23	7.1	15.04
Q107	11.5	66.96	7.2	30.4	6.4	1.5	4.4	.5	2.6	.4	1.4	.2	2.2	.2	3.13	27.5	57.0	.7	8.13	6.6	17.77
Q115	15.8	65.90	7.2	29.9	5.8	1.0	3.7	.5	3.2	.6	1.6	.2	2.4	.2	2.07	32.5	81.0	.7	7.63	4.6	14.49
Q117	8.4	42.06	4.6	18.3	3.1	.6	1.7	.3	1.6	.3	1.1	.2	1.6	.2	1.74	36.7	76.8	.6	6.38	5.1	15.53
Q118	8.8	48.16	5.2	20.7	3.4	.6	1.9	.3	1.5	.3	1.0	.2	1.6	.2	2.09	16.8	89.1	.6	7.20	5.5	14.78
Q120	9.1	43.56	4.6	18.3	3.1	.5	1.8	.3	1.7	.3	1.0	.2	1.7	.2	1.68	20.0	85.2	.6	7.32	5.3	17.54
Q122	11.6	55.09	5.9	23.8	4.3	.7	2.5	.4	2.3	.4	1.2	.2	2.0	.2	1.81	30.4	71.2	.7	9.40	5.3	13.90
Q125	10.4	55.08	5.9	24.1	4.0	.8	2.1	.3	2.0	.4	1.2	.2	1.9	.2	2.08	16.9	67.7	.8	9.42	4.4	13.43
Q126	8.7	40.89	4.2	16.7	2.9	.5	1.7	.3	1.6	.3	1.0	.2	1.6	.1	1.51	37.1	60.9	.6	7.31	4.4	12.58
Q132	11.4	46.64	5.2	21.2	4.2	.8	2.7	.4	2.0	.4	1.2	.2	1.8	.2	1.76	26.0	61.8	.5	6.40	3.7	12.78
Q133	10.6	50.14	5.4	22.7	4.1	.8	2.6	.3	2.0	.4	1.1	.2	1.7	.2	1.49	24.1	64.5	.6	7.42	4.0	12.65
Q135	12.2	52.06	5.7	23.5	4.2	.8	2.7	.4	2.2	.5	1.3	.2	1.8	.2	1.64	23.9	64.4	.6	7.74	3.8	12.23
RE Q135	12.2	49.22	5.4	22.8	4.3	.8	2.7	.4	2.4	.4	1.3	.2	1.9	.2	1.67	25.2	66.0	.6	8.00	3.8	12.14
Q141	11.0	47.55	5.0	20.2	3.9	.6	2.2	.3	2.1	.4	1.2	.2	1.8	.2	1.60	29.4	103.9	.6	6.97	7.5	18.23
Q142	9.6	50.01	5.3	21.1	3.7	.7	2.2	.3	1.9	.3	1.0	.2	1.7	.2	1.74	30.4	77.9	.7	8.14	4.8	13.62
Q145	18.6	68.81	7.4	30.4	6.2	1.1	4.1	.6	3.6	.7	1.9	.3	2.5	.3	1.81	35.1	85.0	.7	8.32	5.7	15.10
Q146	15.3	63.00	6.8	27.7	5.5	1.0	3.6	.5	3.1	.6	1.6	.2	2.3	.2	2.01	34.5	87.6	.8	8.39	5.9	15.77
Q149	12.7	57.47	6.3	25.6	4.7	.8	2.8	.4	2.3	.5	1.3	.2	1.9	.2	1.77	26.1	77.2	.7	7.84	4.8	14.17
Q159	13.3	46.10	4.8	19.4	3.8	.8	2.4	.4	2.3	.4	1.3	.2	1.9	.2	2.18	22.8	79.3	.6	6.81	6.3	19.89
Q160	7.5	38.36	4.0	16.2	2.7	.4	1.4	.2	1.4	.3	.8	.1	1.4	.2	1.48	17.4	53.3	.5	5.60	5.4	12.40
Q161	7.9	44.15	4.5	18.4	3.4	.5	1.7	.3	1.4	.3	.9	.1	1.3	.1	1.86	14.3	48.1	.7	7.45	5.4	10.76
Q164	8.1	45.71	4.7	19.3	3.2	.5	1.6	.2	1.5	.3	.9	.1	1.6	.2	1.92	15.7	50.4	.6	6.52	5.0	14.28
Q165	8.2	48.86	4.8	18.8	3.3	.5	1.8	.3	1.5	.3	.9	.1	1.4	.1	1.82	15.7	50.5	.6	7.57	3.7	11.96
Q166	12.4	47.62	4.7	19.3	3.7	.7	2.6	.4	2.1	.4	1.2	.2	1.7	.2	2.32	17.5	57.5	.6	6.93	9.9	16.34
Q168	11.3	49.88	5.2	21.0	3.7	.7	2.2	.3	2.1	.4	1.3	.2	1.9	.2	2.00	33.7	70.1	.6	7.14	5.6	15.12
Q172	12.6	42.71	4.7	19.6	3.4	.6	2.1	.4	2.2	.5	1.4	.2	2.0	.2	1.79	26.1	82.2	.5	6.31	5.5	15.65
Q173	11.1	52.43	5.6	22.9	4.0	.7	2.1	.3	2.1	.4	1.2	.2	1.8	.2	2.00	20.8	76.0	.6	7.20	5.2	15.74
Q174	14.9	49.89	5.5	23.2	4.4	.9	2.9	.5	2.7	.5	1.5	.2	2.0	.2	1.64	21.4	63.5	.5	5.36	4.1	12.82
STANDARD DST5	14.0	52.96	5.2	21.7	4.5	1.1	3.5	.5	2.7	.5	2.0	.2	1.8	.2	1.64	25.4	49.2	.6	7.80	8.1	19.20

Sample type: TILL S150. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



SAMPLE#	Y ppm	Ce ppm	Pr ppm	Nd ppm	Sm ppm	Eu ppm	Gd ppm	Tb ppm	Dy ppm	Ho ppm	Er ppm	Tm ppm	Yb ppm	Lu ppm	Hf ppm	Li ppm	Rb ppm	Ta ppm	Nb ppm	Cs ppm	Ga ppm
Q175	17.2	45.83	6.4	25.7	5.2	1.0	3.7	.6	3.1	.6	1.9	.2	2.1	.2	1.51	15.8	70.0	.4	5.67	4.9	11.57
Q176	19.3	51.30	7.5	29.9	6.4	1.3	4.3	.8	3.8	.7	2.4	.3	2.3	.3	2.05	22.3	90.6	.8	9.74	10.9	15.22
Q177	14.9	53.07	7.0	26.5	5.1	.9	3.4	.6	3.0	.5	1.8	.3	1.8	.2	2.09	26.6	84.5	.6	7.04	7.9	14.29
Q178	16.1	47.72	6.3	25.6	4.9	1.0	3.4	.6	3.0	.5	1.9	.2	2.1	.3	1.65	24.3	79.1	.5	6.22	6.3	13.37
Q180	12.8	49.27	6.5	24.8	4.8	.9	3.1	.5	2.5	.5	1.7	.2	2.0	.3	1.98	22.2	78.7	.7	9.00	15.4	14.54
Q181	11.2	39.17	5.1	19.8	3.9	.7	2.7	.5	2.3	.4	1.4	.2	1.4	.2	1.40	23.6	61.9	.4	4.84	5.0	10.60
Q182	13.9	42.52	5.6	22.2	4.3	.8	3.4	.5	2.6	.5	1.7	.2	1.9	.2	2.18	21.4	76.9	.6	7.27	5.8	15.11
Q183	16.3	45.06	6.4	25.2	5.0	.9	4.1	.6	3.1	.6	2.0	.3	2.4	.3	2.11	23.5	77.8	.6	7.09	7.0	14.42
Q184	18.5	54.20	7.0	27.4	5.5	1.1	4.1	.7	3.6	.7	2.2	.3	2.3	.3	1.97	32.5	79.1	.6	6.91	6.1	14.31
Q185	26.8	62.96	8.6	33.8	7.0	1.2	5.4	1.0	5.1	.9	3.2	.4	3.1	.4	2.55	28.4	109.2	.7	8.58	6.5	17.80
Q187	23.0	57.13	7.6	29.9	6.1	1.2	5.0	.9	4.5	.8	2.9	.3	2.6	.3	2.17	30.3	99.6	.7	8.48	8.3	17.14
Q188	20.0	49.44	6.5	25.5	5.3	.9	4.1	.7	3.6	.7	2.4	.3	2.4	.3	2.08	27.2	84.3	.6	8.17	9.1	16.41
Q189	17.0	56.31	7.3	29.8	5.4	1.0	4.0	.6	3.4	.6	2.0	.3	2.3	.3	1.93	28.1	79.0	.7	9.66	4.9	13.40
Q190	12.4	46.71	6.1	22.8	3.9	.7	3.1	.5	2.2	.4	1.5	.2	1.7	.2	2.08	23.6	72.4	.7	8.81	4.2	13.66
RE Q190	12.5	46.55	5.9	22.4	4.1	.6	2.7	.4	2.2	.4	1.5	.2	1.7	.2	1.95	24.0	72.5	.7	8.68	4.2	13.82
Q192	19.0	51.51	6.9	27.3	5.4	1.0	4.6	.7	3.7	.7	2.2	.3	2.4	.3	1.66	27.8	78.9	.6	8.73	5.8	13.71
Q193	18.2	64.96	8.4	32.4	6.3	1.2	4.8	.7	3.7	.6	2.1	.3	2.2	.3	1.94	45.6	101.2	.8	10.48	10.0	17.79
Q200	12.6	40.56	5.4	20.8	4.0	.7	2.8	.5	2.5	.5	1.5	.2	1.8	.2	1.53	25.8	69.0	.5	5.74	4.3	11.86
STANDARD DST5	14.9	48.66	5.7	22.4	4.5	1.1	3.4	.6	3.0	.5	1.8	.2	1.7	.2	1.56	24.4	54.9	.5	7.84	8.8	18.39

Sample type: TILL S150. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

GEOCHEMICAL ANALYSIS CERTIFICATE

Richards, Gordon PROJECT CANOL File # A303593 Page 1 (a)
6410 Holly Park Drive, Delta BC V4K 4W6



Table with columns: SAMPLE#, Mo, Cu, Pb, Zn, Ag, Ni, Co, Mn, Fe, As, U, Au, Th, Sr, Cd, Sb, Bi, V, Ca, P, La, Cr, Mg, Ba, Ti, Al, Na, K, W, Zr, Sn, Be, Sc, S. Rows include sample IDs P210 through P299 and STANDARD DSTS.

GROUP 1T-MS - 0.25 GM SAMPLE DIGESTED WITH HClO4-HNO3-HCL-HF TO 10 ML. UPPER LIMITS - AG, AU, W = 200 PPM; MO, CO, CD, SB, BI, TH & U = 4,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM. DIGESTION IS PARTIAL FOR SOME MINERALS & MAY VOLATIZE SOME ELEMENTS, ANALYSIS BY ICP-MS.
- SAMPLE TYPE: SILT S150 Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 21 2003 DATE REPORT MAILED: Sept 17/03 SIGNED BY: C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS



SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	Al %	Na %	K %	W ppm	Zr ppm	Sn ppm	Be ppm	Sc ppm	S %
Q110	10.24	54.53	17.71	539.0	1159	106.1	21.1	3283	6.05	36.5	4.3	<.1	8.3	157	6.94	4.11	.35	263	.95	.236	28	74	.52	3087	.218	5.34	.498	1.65	2.0	52.9	1.9	2	7.8	.06
Q111	10.53	83.01	18.52	792.5	1072	106.8	11.4	880	2.75	23.5	7.1	<.1	10.0	166	6.15	5.78	.30	365	.92	.190	33	85	.53	2455	.252	5.17	.522	1.78	3.5	62.8	1.9	2	8.0	.06
Q112	7.44	45.82	16.41	429.3	856	82.0	14.7	617	2.37	12.9	4.5	<.1	9.8	211	3.05	2.43	.26	238	1.15	.139	35	64	.61	3118	.285	5.94	.810	1.80	1.8	65.0	2.1	2	7.8	.06
Q113	8.16	106.22	16.74	1543.6	984	169.9	13.5	648	2.75	21.4	5.4	<.1	10.6	184	8.75	4.36	.23	311	1.05	.193	38	76	.58	4298	.260	5.27	.730	1.72	5.2	61.4	2.0	2	7.8	.08
Q114	8.16	33.35	17.03	380.1	476	44.3	10.0	1048	4.51	31.3	5.1	<.1	9.5	149	1.85	2.98	.25	215	1.04	.153	34	60	.54	3000	.230	5.00	.618	1.84	1.2	53.1	1.9	2	7.2	.05
Q137	5.97	36.52	14.08	221.3	505	42.4	8.6	469	2.84	14.0	5.2	<.1	11.6	129	1.31	2.74	.19	261	.65	.119	35	70	.52	2723	.292	5.13	.320	1.99	5.1	72.0	2.0	2	7.8	.04
Q147	12.84	44.71	15.44	638.3	655	98.6	16.4	1871	4.83	33.2	4.8	<.1	9.9	143	2.85	3.79	.24	244	.87	.156	28	68	.46	1260	.245	4.83	.409	1.51	2.1	60.9	1.7	2	7.5	.06
Q148	9.65	37.10	13.92	515.8	591	94.7	14.7	3073	4.21	26.7	4.1	<.1	8.6	143	2.66	3.13	.20	222	.90	.155	28	64	.46	1651	.230	4.62	.408	1.48	1.0	56.5	1.5	2	6.9	<.04
Q169	5.90	41.22	12.56	462.1	694	115.1	31.0	2187	4.37	17.1	4.5	<.1	8.2	140	1.84	2.09	.17	172	.99	.166	29	57	.46	2592	.233	5.07	.552	1.41	1.0	61.5	1.6	2	7.9	.11
RE Q169	5.61	44.69	12.00	445.4	608	110.3	30.3	2113	4.22	16.8	4.2	<.1	7.5	135	1.66	1.94	.16	158	.95	.162	27	55	.44	2403	.225	4.88	.533	1.34	2.1	56.0	1.4	2	7.6	.07
Q170	7.87	38.90	12.03	324.3	581	56.6	15.3	6130	5.03	30.7	4.0	<.1	6.6	137	1.94	2.19	.19	161	1.10	.225	22	56	.43	2546	.208	4.49	.567	1.32	.9	47.6	1.3	1	6.7	.09
Q186	6.02	27.55	10.31	228.6	538	39.1	10.1	2959	3.36	11.7	3.5	<.1	7.5	129	2.05	1.34	.13	182	1.17	.187	26	55	.47	1598	.283	4.85	.590	1.42	2.2	65.9	1.5	2	6.8	.06
STANDARD	13.87	151.51	29.94	171.8	380	33.2	15.6	1105	4.41	23.9	7.0	<.1	6.7	384	4.99	6.88	5.95	123	2.31	.120	27	233	1.23	715	.421	7.39	1.698	1.43	10.6	50.3	7.0	2	12.9	.06

Standard is STANDARD DST5. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



SAMPLE#	Y	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Hf	Li	Rb	Ta	Nb	Cs	Ga
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
P210	14.9	51.93	6.8	26.0	5.0	.9	4.0	.7	3.2	.6	2.0	.2	1.9	.2	1.66	32.7	84.8	.5	5.48	4.9	14.12
P211	16.3	55.30	7.0	26.5	5.0	.9	4.2	.7	3.3	.6	2.2	.2	2.3	.2	1.69	33.5	86.3	.4	5.29	5.3	14.21
P212	21.7	53.71	6.9	27.7	5.9	1.2	5.2	.9	4.6	.8	2.7	.3	2.7	.3	1.96	35.9	83.4	.5	5.92	5.7	15.11
P213	16.2	64.11	8.1	31.8	6.2	1.0	4.4	.8	3.4	.6	2.0	.2	2.2	.2	2.08	41.6	94.6	.5	5.91	6.7	16.30
P214	16.9	58.95	7.6	29.7	5.8	.9	4.6	.7	3.5	.6	2.3	.3	2.5	.3	2.10	31.7	84.5	.5	5.44	5.2	14.60
P242	14.9	51.94	6.7	25.6	5.2	.8	3.5	.6	2.9	.5	1.9	.2	2.2	.2	2.05	30.9	84.0	.4	5.65	5.9	14.40
P243	20.0	51.74	6.5	26.3	6.0	1.2	5.4	.9	4.4	.7	2.5	.3	2.7	.3	2.15	47.0	113.6	.5	6.49	18.3	20.21
P244	16.7	63.64	8.0	30.2	5.8	.7	4.1	.7	3.5	.6	2.2	.2	2.4	.3	2.07	34.1	97.0	.5	6.79	7.6	16.39
P245	15.4	49.97	6.3	24.3	4.8	.9	3.8	.6	3.0	.5	2.1	.2	2.1	.2	1.71	38.5	90.7	.5	5.72	7.5	15.37
P246	13.7	52.12	6.7	25.2	4.8	.9	3.1	.5	2.7	.5	1.8	.2	1.9	.2	1.86	30.4	89.6	.5	5.80	7.2	15.54
P247	11.6	39.88	5.0	19.8	3.8	.7	2.7	.4	2.4	.4	1.5	.2	1.6	.2	1.58	23.7	66.9	.4	4.97	4.4	12.46
P250	20.9	76.85	9.9	37.1	7.0	1.0	4.8	.8	4.0	.7	2.5	.3	3.0	.3	2.41	30.7	97.8	.6	7.49	5.7	17.16
P254	34.2	44.60	7.0	29.6	6.1	1.2	5.0	.9	5.1	1.0	3.9	.4	3.7	.4	1.80	21.5	85.1	.5	6.26	5.0	14.82
P255	19.1	56.66	6.2	24.6	5.2	.9	3.9	.7	3.6	.7	2.4	.3	2.5	.3	1.89	26.1	79.2	.5	6.38	5.3	16.38
P256	22.0	62.13	8.4	32.8	6.2	1.1	4.9	.8	4.1	.7	2.7	.3	2.9	.4	2.07	26.3	86.3	.6	7.91	5.3	15.47
P257	20.7	49.59	6.9	27.3	5.3	1.0	4.2	.8	3.8	.7	2.6	.3	2.9	.3	1.90	26.6	85.9	.5	6.81	5.3	15.35
P258	19.5	46.65	6.2	24.6	5.0	.9	3.8	.7	3.2	.6	2.4	.3	2.6	.3	1.64	24.6	78.1	.5	6.05	4.8	15.22
P259	18.8	45.74	6.5	25.1	4.9	1.0	3.7	.6	3.3	.6	2.3	.3	2.5	.3	1.73	26.1	86.6	.5	6.71	5.1	14.81
RE P259	18.0	42.81	5.9	22.7	4.5	.8	3.3	.6	3.0	.6	2.2	.3	2.4	.3	1.67	24.7	81.9	.5	6.47	4.9	14.35
P264	17.8	33.90	4.6	18.7	4.2	.9	3.7	.6	3.0	.6	2.3	.3	2.4	.3	1.60	23.7	84.2	.3	4.40	7.9	15.26
P275	18.9	47.59	6.6	26.0	5.3	.9	3.8	.7	3.4	.7	2.3	.3	2.5	.3	1.94	25.9	92.0	.5	6.46	5.0	15.38
P276	17.2	49.67	6.9	26.9	5.3	.8	3.9	.6	3.2	.6	2.2	.3	2.4	.3	2.02	20.2	78.3	.5	6.13	4.2	13.43
P277	20.8	53.58	7.3	28.5	5.4	1.0	4.4	.7	3.6	.7	2.5	.3	2.7	.3	2.15	26.5	92.9	.6	6.91	5.2	15.76
P278	18.4	54.25	7.6	29.5	5.8	1.0	4.1	.7	3.3	.6	2.3	.3	2.5	.3	2.05	20.4	77.5	.5	6.03	4.0	13.03
P279	20.7	52.89	7.5	29.0	5.7	1.0	4.4	.7	3.5	.7	2.6	.3	2.8	.3	2.31	24.2	87.2	.5	6.62	5.1	16.27
P285	18.2	32.69	4.1	17.3	4.1	.9	3.3	.6	3.2	.6	2.3	.3	2.4	.3	1.54	26.9	56.3	.2	3.50	5.8	12.36
P286	22.0	54.02	6.7	26.8	5.7	1.1	4.6	.8	4.1	.8	2.6	.3	2.4	.3	2.13	41.0	94.6	.6	9.40	15.7	17.22
P300	15.6	57.84	7.1	27.0	5.3	1.0	3.7	.6	3.1	.6	2.1	.2	2.1	.2	2.16	37.2	88.9	.6	7.50	8.0	15.41
P301	18.9	51.27	6.0	23.1	5.0	1.0	3.9	.7	3.3	.6	2.3	.3	2.6	.3	2.11	43.6	99.4	.5	6.59	9.5	17.90
Q103	15.8	51.20	6.6	25.6	5.4	.9	4.1	.6	3.0	.5	2.0	.2	2.2	.2	1.57	24.5	79.7	.5	5.76	4.4	13.15
Q104	14.6	42.10	5.4	20.9	4.2	.8	3.4	.5	2.7	.5	1.9	.2	1.9	.2	1.54	26.0	75.0	.4	5.08	5.0	13.20
Q105	12.9	44.34	5.7	21.8	4.3	.8	3.1	.5	2.6	.5	1.7	.2	1.9	.2	2.06	24.8	82.8	.5	6.00	5.4	14.72
Q108	15.1	62.39	7.9	30.9	6.1	.9	4.5	.6	3.3	.5	2.0	.2	2.2	.2	2.50	27.5	85.4	.5	5.67	5.0	14.25
Q109	16.1	52.36	6.9	26.1	5.3	.9	3.7	.6	3.1	.6	2.2	.2	2.2	.3	2.09	29.0	87.3	.5	6.17	5.7	15.03
STANDARD DST5	14.8	47.88	5.6	22.3	4.6	1.1	3.4	.6	2.9	.5	1.9	.2	1.7	.2	1.62	24.0	54.6	.5	7.77	8.5	18.91

GROUP 1T-MS - 0.25 GM SAMPLE DIGESTED WITH HClO4-HNO3-HCl-HF TO 10 ML. UPPER LIMITS - AG, AU, W = 200 PPM; MO, CO, CD, SB, BI, TH & U = 4,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM. DIGESTION IS PARTIAL FOR SOME MINERALS & MAY VOLATIZE SOME ELEMENTS, ANALYSIS BY ICP-MS.
- SAMPLE TYPE: SILT S150 Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 21 2003 DATE REPORT MAILED: *Sept 17/03* SIGNED BY: *C. Leong* TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS



SAMPLE#	Y ppm	Ce ppm	Pr ppm	Nd ppm	Sm ppm	Eu ppm	Gd ppm	Tb ppm	Dy ppm	Ho ppm	Er ppm	Tm ppm	Yb ppm	Lu ppm	Hf ppm	Li ppm	Rb ppm	Ta ppm	Nb ppm	Cs ppm	Ga ppm
Q110	19.3	47.65	6.2	24.8	5.3	1.0	4.4	.7	3.7	.7	2.4	.3	2.6	.3	1.66	30.4	84.8	.4	5.50	6.0	14.30
Q111	22.7	53.95	7.2	29.5	6.0	1.1	4.4	.8	4.2	.8	2.7	.3	2.8	.3	2.13	28.7	85.2	.5	6.53	5.4	14.07
Q112	19.4	58.07	7.8	30.7	6.2	1.3	4.8	.7	3.6	.6	2.2	.3	2.4	.3	2.19	39.0	85.2	.5	6.48	5.2	15.13
Q113	23.5	61.75	8.3	32.0	6.3	1.1	4.5	.8	4.1	.8	2.7	.3	2.8	.3	2.11	26.9	79.3	.5	6.58	4.6	13.66
Q114	17.0	57.07	7.5	29.2	5.9	1.1	4.3	.7	3.3	.6	2.0	.2	2.1	.2	1.91	28.3	79.1	.5	5.56	4.7	13.22
Q137	17.0	60.13	7.8	30.2	5.6	.8	3.5	.7	3.0	.6	2.0	.2	2.3	.3	2.43	24.3	88.5	.6	7.09	5.8	14.26
Q147	18.5	47.25	6.3	24.3	5.0	.8	3.4	.6	3.2	.6	2.1	.3	2.0	.2	2.02	26.3	83.0	.5	5.67	6.9	13.30
Q148	16.7	47.41	6.2	23.7	4.8	.8	3.4	.6	3.1	.6	1.9	.2	2.0	.2	1.82	22.9	75.2	.4	5.25	6.2	13.01
Q169	20.8	48.41	6.3	24.8	5.4	1.0	4.6	.7	3.9	.7	2.6	.3	2.6	.3	1.97	38.6	74.9	.5	5.92	6.6	13.44
RE Q169	20.2	45.07	5.8	23.6	5.1	1.0	4.2	.8	3.8	.7	2.3	.3	2.3	.3	1.78	35.2	70.6	.4	5.81	6.2	12.84
Q170	15.3	36.53	4.9	19.0	4.0	.7	3.1	.6	2.8	.5	1.8	.2	1.9	.2	1.40	26.7	64.5	.4	5.65	5.7	11.76
Q186	20.3	43.42	6.0	24.5	5.1	1.0	4.3	.7	3.7	.7	2.4	.3	2.3	.3	2.17	28.8	76.8	.5	6.05	5.9	12.74
STANDARD DST5	14.9	48.66	5.7	22.4	4.5	1.1	3.4	.6	3.0	.5	1.8	.2	1.7	.2	1.56	24.4	54.9	.5	7.84	8.8	18.39

Sample type: SILT S150. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



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GEOCHEMICAL ANALYSIS CERTIFICATE



Richards, Gordon PROJECT CANOL File # A303594 (b)
6410 Holly Park Drive, Delta BC V4K 4W6

Table with columns for SAMPLE# and elements Y, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu, Hf, Li, Rb, Ta, Nb, Cs, Ga. Rows include P209, P265, P296, Q106, Q151, Q152, Q162, Q171, RE Q171, Q179, and Q191.

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE (604) 253-3158 FAX (604) 253-1716
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GEOCHEMICAL ANALYSIS CERTIFICATE



Richards, Gordon PROJECT CANOL File # A303594 (a)
6410 Holly Park Drive, Delta BC V4K 4W6

Table with columns for SAMPLE# and elements Mo, Cu, Pb, Zn, Ag, Ni, Co, Mn, Fe, As, U, Au, Th, Sr, Cd, Sb, Bi, V, Ca, P, La, Cr, Mg, Ba, Ti, Al, Na, K, W, Zr, Sn, Be, Sc, S. Rows include P209, P265, P296, Q106, Q151, Q152, Q162, Q171, RE Q171, Q179, Q191, and STANDARD.

Standard is STANDARD DST5.

GROUP 1T-MS - 0.25 GM SAMPLE DIGESTED WITH HClO4-HNO3-HCL-HF TO 10 ML. UPPER LIMITS - AG, AU, W = 200 PPM; MO, CO, CD, SB, BI, TH & U = 4,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM. DIGESTION IS PARTIAL FOR SOME MINERALS & MAY VOLATIZE SOME ELEMENTS, ANALYSIS BY ICP-MS.
- SAMPLE TYPE: ROCK R150 Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 21 2003 DATE REPORT MAILED: Sept 9/03 SIGNED BY: C. Leong D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

GEOCHEMICAL ANALYSIS CERTIFICATE

Richards, Gordon PROJECT CANOL File # A303592

Page 1

6410 Holly Park Drive, Delta BC V4K 4W6



Table with columns: SAMPLE#, Mo, Cu, Pb, Zn, Ag, Ni, Co, Mn, Fe, As, U, Au, Th, Sr, Cd, Sb, Bi, V, Ca, P, La, Cr, Mg, Ba, Ti, B, Al, Na, K, W, Sc, Tl, S, Hg, Se, Te, Ga. Rows include samples P202 through P287 and STANDARD V6.

GROUP 1VE - 1.000 GM SAMPLE LEACHED WITH 2 ML HNO3 FOR ONE HOUR, THEN 6 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 20 ML, ANALYSED BY ICP/ES & MS. UPPER LIMITS - AG, AU, HG, W, SE, TE, TL, GA, SN = 100 PPM; MO, CO, CD, SB, BI, TH, U, B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.

DATE RECEIVED: AUG 21 2003

DATE REPORT MAILED: Sept 8/03

SIGNED BY: [Signature] D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS



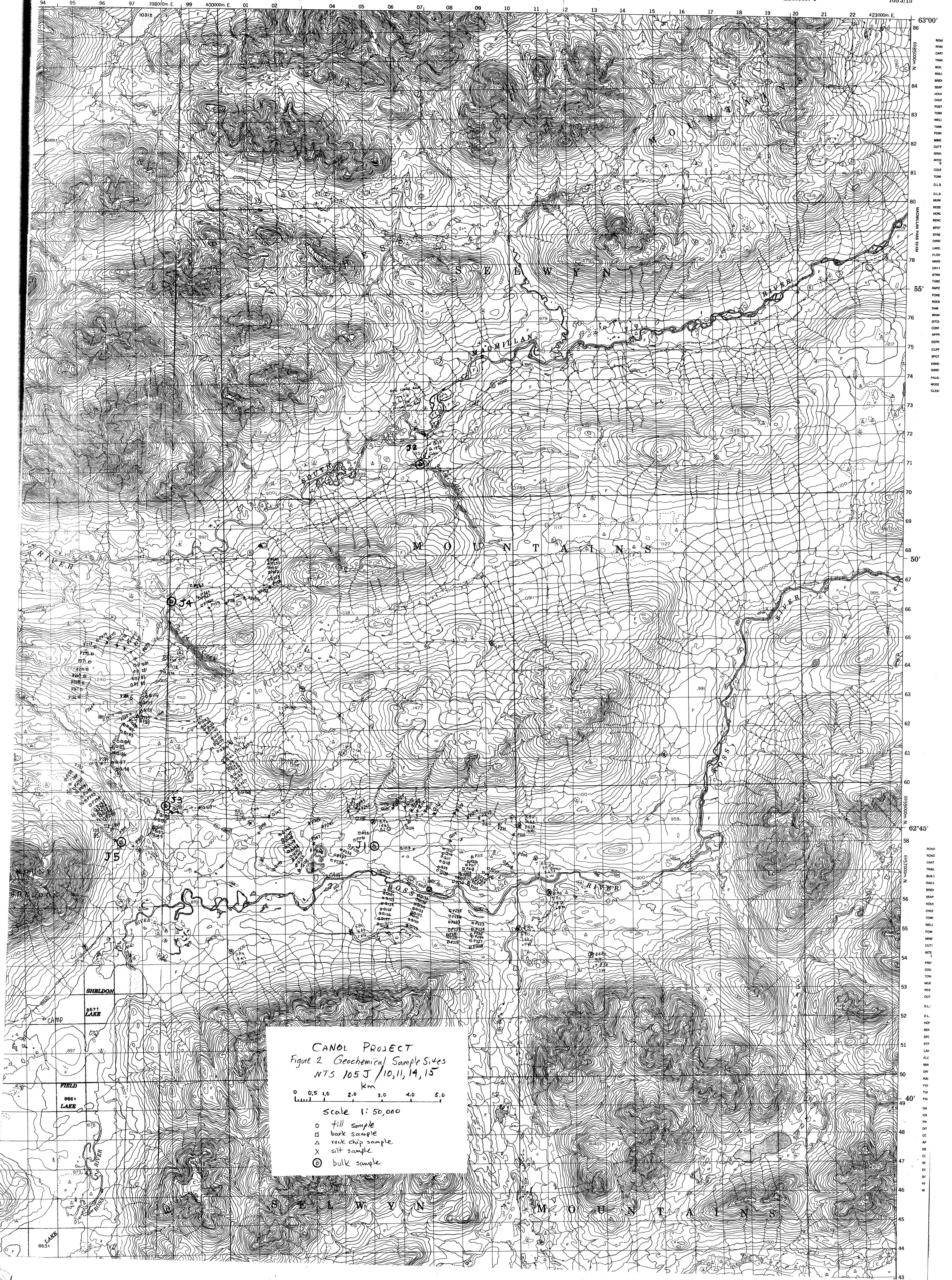
SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti ppm	B ppm	Al %	Na %	K %	W ppm	Sc ppm	Tl ppm	S %	Hg ppb	Se ppm	Te ppm	Ga ppm				
Q123	.03	2.50	.47	57.0	21	<.1	.06	431	.007	.9<.01	<.2	.01	15.5	.03	<.02	<.02	<.2	.87	.014	.03	1.80	.024	54.7	2	5	<.01	.001	.05	<.1	.1<.02	.01	92	.2<.02	<.1							
Q124	.02	2.26	.23	85.9	11	<.1	.03	546	.003	.8<.01	.4<.01	14.3	.04	<.02	<.02	<.2	.83	.007	.02	1.72	.031	57.5	1	7	<.01	.001	.04	<.1	.2<.02	.01	27	.1<.02	<.1								
Q127	.03	2.89	.39	47.6	19	.2	.07	494	.006	.8<.01	.4	.01	14.9	.07	<.02	<.02	<.2	.66	.013	.03	1.79	.019	94.6	2	4	<.01	<.001	.03	<.1	.1<.02	.01	84	.1<.02	<.1							
Q128	.02	1.72	.18	62.4	4	<.1	.02	315	.003	.9<.01	1.0<.01	14.3	.02	<.02	<.02	<.2	.76	.007	.01	1.71	.019	41.7	1	6	<.01	<.001	.02	<.1	.2<.02	<.01	20	<.1<.02	<.1								
Q129	.02	2.14	.34	45.3	12	.3	.12	521	.004	.9<.01	.2<.01	16.9	.12	<.02	<.02	<.2	.53	.012	.02	1.70	.026	155.7	1	7	<.01	.001	.06	<.1	.2<.02	.01	47	.1<.02	<.1								
Q130	.02	1.95	.29	57.5	23	<.1	.05	441	.003	1.1<.01	.7<.01	16.3	.17	<.02	<.02	<.2	.81	.010	.01	1.70	.019	60.1	1	5	<.01	<.001	.02	<.1	.2<.02	.01	32	.1<.02	<.1								
Q131	.02	1.92	.19	55.7	13	<.1	.04	428	.002	1.0<.01	.2<.01	12.0	.09	<.02	<.02	<.2	.47	.007	.01	1.61	.023	129.6	1	5	<.01	<.001	.03	<.1	.1<.02	<.01	22	<.1<.02	<.1								
Q134	.02	1.93	.33	59.7	18	<.1	.06	462	.003	.9<.01	<.2<.01	14.6	.07	<.02	<.02	<.2	.68	.011	.02	1.54	.019	92.6	1	5	<.01	<.001	.03	<.1	.1<.02	<.01	43	<.1<.02	<.1								
Q136	.02	2.81	.51	50.4	32	<.1	.05	517	.004	.7<.01	.9	.01	9.2	.05	<.02	<.02	<.2	.47	.014	.02	1.69	.036	40.4	1	10	<.01	.001	.06	<.1	.1<.02	<.01	57	.1<.02	<.1							
Q138	.02	2.59	.38	47.4	7	.1	.02	457	.004	.7<.01	.2	.01	6.0	.05	<.02	<.02	<.2	.32	.013	.02	1.74	.020	17.1	2	7	<.01	.001	.06	<.1	.2<.02	.01	68	.1<.02	<.1							
Q139	.02	1.98	.48	41.0	8	<.1	.04	435	.003	.8<.01	.4<.01	5.2	.04	<.02	<.02	<.2	.32	.013	.01	1.71	.022	19.7	1	5	<.01	<.001	.04	<.1	.1<.02	<.01	62	<.1<.02	<.1								
Q140	.02	2.07	.50	40.8	14	.2	.07	298	.004	.8<.01	.4	.01	9.1	.16	<.02	<.02	<.2	.48	.016	.03	1.82	.023	40.1	2	6	<.01	.001	.04	<.1	.3<.02	.01	67	.1<.02	<.1							
RE Q140	.01	2.06	.47	40.8	14	.2	.09	300	.004	.8<.01	.3	.01	8.9	.16	.03	<.02	<.2	.46	.016	.02	1.73	.023	39.1	1	8	<.01	.001	.04	<.1	.2<.02	.02	74	.1<.02	<.1							
Q143	.01	2.42	.12	61.7	17	1.2	.06	472	.002	.9<.01	.3<.01	13.1	.31	<.02	<.02	<.2	.66	.010	.01	1.61	.033	107.6	1	9	<.01	<.001	.06	<.1	.1<.02	.02	32	.1<.02	<.1								
Q144	.02	2.35	.25	57.1	15	.8	.06	259	.004	1.0<.01	.3	.01	15.9	.10	<.02	<.02	<.2	.55	.020	.03	1.80	.036	90.1	2	8	<.01	.001	.10	<.1	.2<.02	.03	77	<.1<.02	<.1							
Q153	.02	2.86	.52	89.8	25	1.5	.04	53	.004	.8<.01	<.2<.01	27.8	.13	<.02	<.02	<.2	.75	.022	.03	1.93	.037	391.8	1	8	<.01	.001	.17	<.1	.2<.02	.02	63	.1<.02	<.1								
Q154	.03	2.51	.42	37.6	14	.8	.03	396	.004	.7<.01	<.2	.01	9.9	.24	<.02	<.02	<.2	.31	.023	.02	1.48	.027	54.3	2	7	<.01	.001	.08	<.1	.2<.02	.02	103	<.1<.02	<.1							
Q155	.02	2.66	.36	134.7	13	2.3	.06	337	.004	1.0<.01	<.2<.01	35.0	.11	<.02	<.02	<.2	1.18	.019	.02	1.77	.031	155.5	1	9	<.01	.001	.08	<.1	.2<.02	.01	91	.1<.02	<.1								
Q156	.02	4.61	.21	64.7	12	<.1	.03	134	.003	.5<.01	5.3<.01	17.1	.08	<.02	<.02	<.2	.55	.019	.01	1.61	.028	103.7	1	10	<.01	<.001	.20	<.1	.2<.02	.01	67	.1<.02	<.1								
Q157	.05	2.73	.33	49.7	29	.6	.02	213	.003	.5<.01	<.2<.01	2.7	.02	<.02	<.02	<.2	.21	.016	.01	1.55	.035	16.8	1	6	<.01	.001	.07	<.1	.2	.02	.01	85	<.1<.02	<.1							
Q158	.03	2.46	.35	56.5	21	.5	.04	301	.006	.6<.01	<.2	.01	9.4	.03	<.02	<.02	<.2	.43	.028	.03	1.76	.048	45.8	2	8	.01	.002	.09	<.1	.1	.02	.02	96	.1<.02	<.1						
Q163	.02	2.94	.09	53.3	20	2.3	.06	514	.002	.5<.01	<.2<.01	9.6	.70	<.02	<.02	<.2	.53	.012	.01	1.44	.018	146.4	1	8	<.01	<.001	.07	<.1	.1<.02	.01	40	<.1<.02	<.1								
Q167	.02	2.27	.31	49.8	12	<.1	.07	565	.004	.8<.01	<.2<.01	13.9	.11	.02	<.02	<.2	.94	.014	.02	1.46	.027	90.6	1	7	<.01	.001	.05	<.1	.1<.02	.02	72	<.1<.02	<.1								
STANDARD V6	.25	7.49	18.00	37.9	20	3.4	.38	42	.069	.5	.05	.9	.11	30.5	.20	.05	.02	<.2	.71	.044	.89	3.63	.113	9.1	19	9	.05	.006	.08	<.1	.2<.02	.05	39	.1<.02	.1						

Sample type: BARK. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

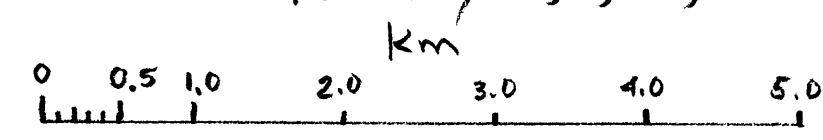
Oxide Pt#	Project OT03-104											Total	
	Percent SiO ₂	Percent TiO ₂	Percent Nb ₂ O ₅	Percent Al ₂ O ₃	Percent Cr ₂ O ₃	Percent FeO	Percent MgO	Percent MnO	Percent NiO	Percent ZnO			
1,	0.0000,	0.0825,	0.0000,	15.39,	47.78,	24.19,	12.01,	0.3218,	0.1275,	0.2403,	100.14,	J5 #2	
2,	0.0498,	0.7376,	0.0643,	28.51,	34.71,	19.24,	15.96,	0.1766,	0.2050,	0.0105,	99.66,	J5 #3	
3,	0.1402,	0.6479,	0.0000,	27.07,	35.68,	21.05,	14.74,	0.2157,	0.1908,	0.1063,	99.84,	J5 #4	
4,	0.0639,	0.0328,	0.1786,	34.05,	30.78,	15.17,	18.59,	0.1964,	0.2678,	0.0861,	99.40,	J5 #5	
5,	0.0702,	0.8601,	0.0803,	26.10,	36.50,	17.72,	17.61,	0.1905,	0.2016,	0.0316,	99.36,	J5 #6	
6,	0.1796,	0.5026,	0.0000,	30.59,	33.06,	18.53,	16.44,	0.1722,	0.1585,	0.0879,	99.73,	J5 #8	
7,	0.0248,	3.87,	0.0793,	17.64,	32.38,	32.04,	13.62,	0.1940,	0.1439,	0.0747,	100.06,	J5 #9	
8,	0.1666,	0.9883,	0.0000,	25.17,	37.37,	18.87,	16.97,	0.1851,	0.1583,	0.0667,	99.94,	J5 #10	
9,	0.1063,	0.6009,	0.0000,	29.62,	33.55,	18.08,	17.37,	0.1678,	0.1935,	0.0442,	99.74,	J5 inclusion #2	

Weight Pt#	Project OT03-104											Total	
	Percent Si	Percent Ti	Percent Nb	Percent Al	Percent Cr	Percent Fe	Percent Mg	Percent Mn	Percent Ni	Percent Zn	Percent O		
1,	0.0000,	0.0494,	0.0000,	8.15,	32.69,	18.80,	7.24,	0.2492,	0.1002,	0.1931,	32.67,	100.14,	J5 #2
2,	0.0233,	0.4422,	0.0449,	15.09,	23.75,	14.95,	9.62,	0.1368,	0.1611,	0.0084,	35.43,	99.66,	J5 #3
3,	0.0655,	0.3884,	0.0000,	14.33,	24.41,	16.36,	8.89,	0.1670,	0.1499,	0.0854,	34.99,	99.84,	J5 #4
4,	0.0299,	0.0196,	0.1248,	18.02,	21.06,	11.79,	11.21,	0.1521,	0.2104,	0.0692,	36.72,	99.40,	J5 #5
5,	0.0328,	0.5156,	0.0561,	13.81,	24.97,	13.77,	10.62,	0.1476,	0.1584,	0.0254,	35.25,	99.36,	J5 #6
6,	0.0840,	0.3013,	0.0000,	16.19,	22.16,	14.41,	9.92,	0.1333,	0.1245,	0.0706,	35.88,	99.73,	J5 #8
7,	0.0116,	2.3219,	0.0555,	9.33,	22.16,	24.91,	8.21,	0.1502,	0.1131,	0.0600,	32.74,	100.06,	J5 #9
8,	0.0779,	0.5925,	0.0000,	13.32,	25.57,	14.67,	10.23,	0.1433,	0.1244,	0.0536,	35.16,	99.94,	J5 #10
9,	0.0497,	0.3602,	0.0000,	15.68,	22.96,	14.06,	10.48,	0.1299,	0.1521,	0.0355,	35.84,	99.74,	J5 inclusion #2

Note: J5 #1, J5 #7, J5 #12, J5 #13, J1 #14 and J1 #15 were ferroan spinels and were not analyzed.
 J5 #11 was a low Mg ilmenite and was not analyzed
 J5 inclusion grain #1 was a ferroan spinel and was not analyzed.
 J5 inclusion grain #3 was a grossular garnet and was not analyzed



CANOL PROJECT
 Figure 2 Geochemical Sample Sites
 NTS 105 J/10, 11, 14, 15

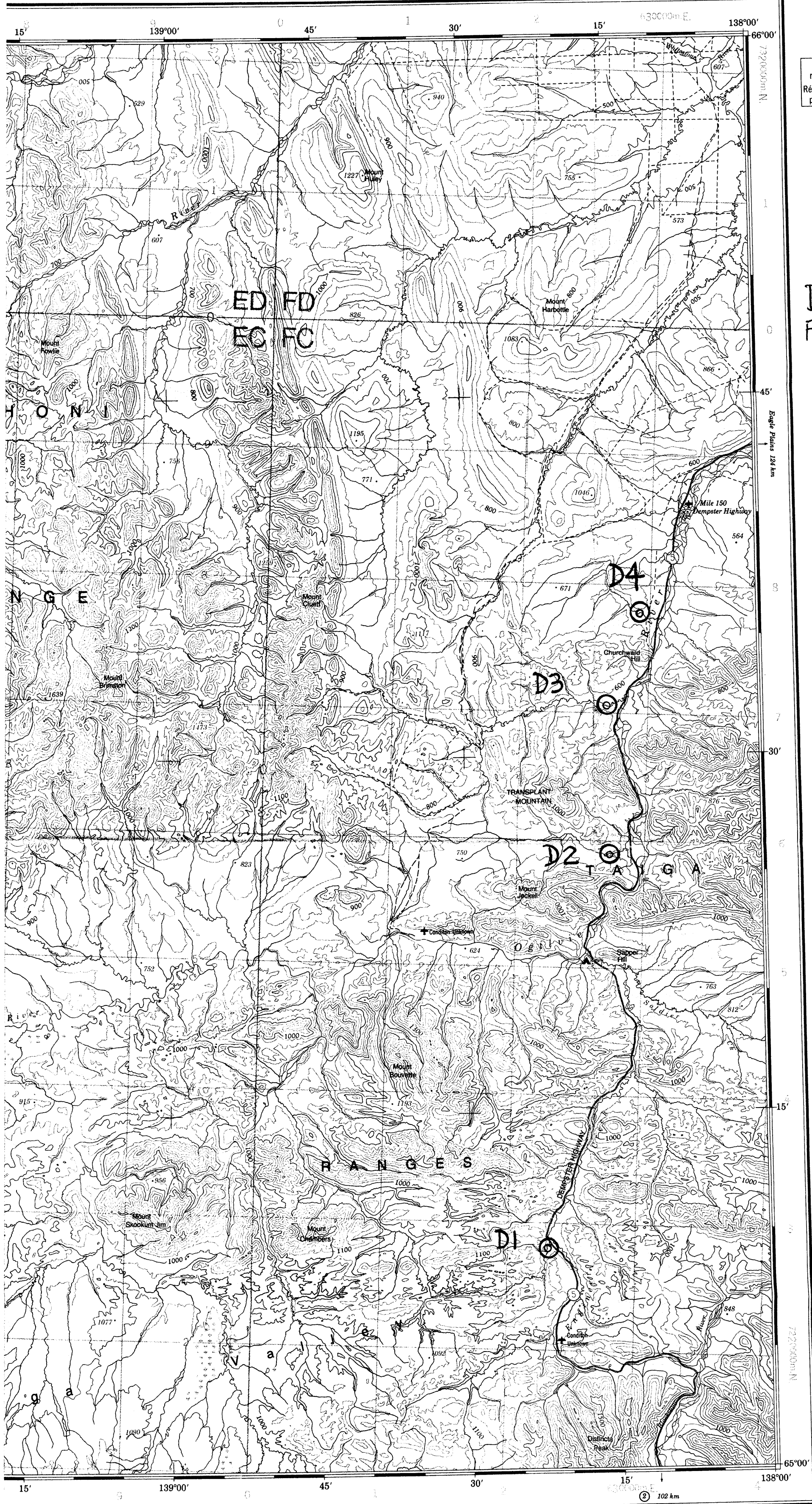


Scale 1:50,000

- fill sample
- bark sample
- △ rock chip sample
- × silt sample
- ⊙ bulk sample

ROAD
 ROAD
 CART
 TRAIL
 TRAIL
 RAIL
 RAIL
 BRD
 BRD
 SEAP
 HOSE
 CHAF
 TOWN
 WEL
 TANK
 PONI
 MNE
 CUTT
 GRAN
 WTE
 COU
 TOW
 DLS
 DLS
 MON
 MON
 MON
 BENC
 SPOT
 STRE
 DREK
 LAKE
 FLOO
 MARE
 DRY F
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 WOOD
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ROAD
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 TUND
 RAPE
 FORE
 ROCK
 DAM
 WHAI
 DICO
 CONT
 APPR
 DEPR
 CLIFF
 SPOT
 EBSE
 SAND
 PAUL
 WOOD
 CLEA



Military users,
refer to this map as:
Référence de cette carte
pour usage militaire:

SERIES A 502 SÉRIE
MAP 116G & 116F CARTE
EDITION 3 MCE ÉDITION

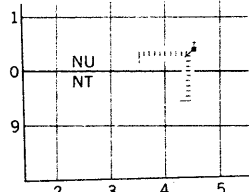
Dempster Project
Figure 4 Bulk Sample Locations
South Sheet

METRIC/MÉTRIQUE

TEN THOUSAND METRE
UNIVERSAL TRANSVERSE MERCATOR GRID
ZONE 7
QUADRILLAGE UNIVERSEL TRANSVERSE DE MERCATOR
DE DIX MILLE MÈTRES

GRID ZONE DESIGNATION DESIGNATION DE DU QUADRILLAGE:	100 000 m SQUARE IDENTIFICATION IDENTIFICATION DU CARRÉ DE 100 000 m											
7 W	<table border="1"> <tr> <td>ED</td> <td>FD</td> <td rowspan="2">73</td> </tr> <tr> <td>EC</td> <td>FC</td> </tr> <tr> <td colspan="2"></td> <td>5</td> </tr> <tr> <td colspan="2"></td> <td>6</td> </tr> </table>	ED	FD	73	EC	FC			5			6
ED	FD	73										
EC	FC											
		5										
		6										

EXAMPLE OF METHOD USED
TO GIVE A REFERENCE TO NEAREST 1000 METRES
EXEMPLE DE LA MÉTHODE EMPLOYÉE
POUR FIXER DES REPÈRES A 1000 MÈTRES PRÈS



REFERENCE POINT CHURCH - ÉGLISE (as above)
POINT DE REPÈRE (ci-dessus)

SQUARE: Read letters of 100 000m square
CARRÉ: Lire les lettres du carré de 100 000m

EASTING: Read number on grid line
immediately to left of point:

ABSCISSE: Noter le chiffre de la ligne
du quadrillage immédiatement à gauche
du repère:

Estimate tenths of a square from
this line eastward to point:

Estimer le nombre de dixièmes du carré
entre cette ligne et le repère en direction est:

NORTHING: Read number on grid line
immediately below point:

ORDONNÉE: Noter le chiffre de la ligne
du quadrillage immédiatement en dessous
du repère:

Estimate tenths of a square from
this line northward to point:

Estimer le nombre de dixièmes du carré
entre cette ligne et le repère en direction nord:

GRID REFERENCE: REFÉRENCE AU QUADRILLAGE: NU4504

If reporting beyond 18° in any direction, prefix Grid Zone
designation as: 14VNU4504

Si vous faites connaître votre position à quelqu'un qui se
trouve à plus de 18°, peu importe la direction, indiquez
également la zone du quadrillage tel que: 14VNU4504

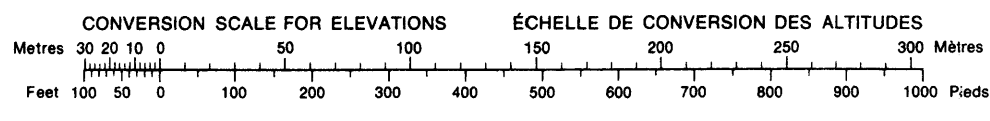
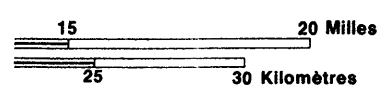
Pour tout renseignement concernant les repères et bornes
altimétriques, s'adresser aux levés géodésiques, Direction
des levés et de la cartographie, Ottawa.

ÉTABLI PAR LA DIRECTION DES LEVÉS ET DE LA CARTOGRAPHIE,
MINISTÈRE DE L'ÉNERGIE, DES MINES ET DES RESSOURCES.
TIRÉE DE CARTES AU 1:50 000. RENSEIGNEMENTS À JOUR TELS
QU'INDIQUÉS AU DIAGRAMME, PUBLIÉE EN 1987.

CES CARTES SONT EN VENTE AU BUREAU DES CARTES DU
CANADA, MINISTÈRE DE L'ÉNERGIE, DES MINES ET DES RESSOURCES,
OTTAWA, OU CHEZ LE VENDEUR LE PLUS PRÈS.

© 1987 SA MAJESTÉ LA REINE DU CHEF DU CANADA,
MINISTÈRE DE L'ÉNERGIE, DES MINES ET DES RESSOURCES.

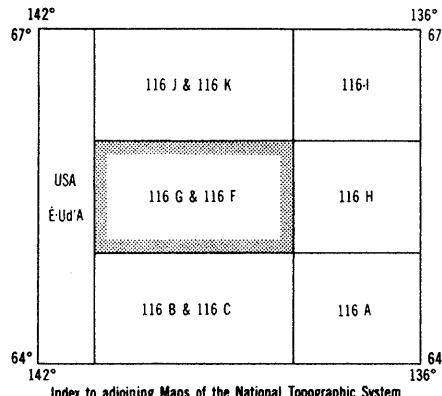
KON



CONTOUR INTERVAL 100 METRES
Elevations in Metres above Mean Sea Level

ÉQUIDISTANCE DES COURBES 100 MÈTRES
Altitudes en mètres

1:31°38' vers l'est au
u centre du bord est





one line
27929 31-61

Dempster Project
Figure 5 Bulk Sample
Locations
North Sheet

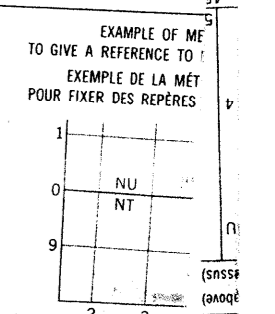
METRIC/MÉTRIQUE

Military users,
refer to this map as:
Référence de cette carte
pour usage militaire:

3a U Mc Cu Zn
3a U
3a U

TEN THOUSAND
UNIVERSAL TRANSVERSE
ZONE 8
QUADRILLAGE UNIVERSEL TRAN-
VERSE DE DIX MILLE

GRID ZONE DESIGNATION
DESIGNATION DE
LA ZONE
DU QUADRILLAGE



REFERENCE POINT CHURC
POINT DE REPÈRE
SQUARE: Read letters of 100 0
CARRÉ: Lire les lettres du car-
ré
EASTING: Read number on grid
immediately to left of point
ABSCISSE: Notez le chiffre de
du quadrillage immédiatement
à gauche
Estimate tenths of a square
this line eastward to point
Estimer le nombre de dixièmes
entre cette ligne et le repère

NORTHING: Read number on
immediately below point
ORDONNÉE: Notez le chiffre de
du quadrillage immédiatement
en dessous
Estimate tenths of a square
this line northward to point
Estimer le nombre de dixièmes
entre cette ligne et le repère

GRID REFERENCE
RÉFÉRENCE AU QUADRILLAGE
If reporting beyond 18° in
designations as 14 UNIV ZONE 8
Si vous faites connaître votre
proxe à plus de 18°, pe-
également la zone du quad-

Military users,
refer to this map as:
Référence de cette carte
pour usage militaire:

SERIES A 502
MAP 116 H
ÉDITION 3 MCE