

BRITISH COLUMBIA
PROSPECTORS ASSISTANCE PROGRAM
MINISTRY OF ENERGY AND MINES
GEOLOGICAL SURVEY BRANCH

PROGRAM YEAR: 2001/2002

REPORT #: PAP 01-44

NAME: COLIN CAMPBELL

D. TECHNICAL REPORT



Ministry of Energy and Mines
Energy and Minerals Division

- One technical report to be completed for each project area.
- Refer to Program Regulations 15 to 17, page 6.

SUMMARY OF RESULTS

- This summary section must be filled out by all grantees, one for each project area

Information on this form is confidential for one year and is subject to the provisions of the *Freedom of Information Act*.

Name COLIN CAMPBELL Reference Number 01/02-P87

LOCATION/COMMODITIES

Project Area (as listed in Part A) HEATH PROSPECT MINFILE No. if applicable _____

Location of Project Area NTS 93N 6E Lat 55° 28' N Long 125° 20' W

Description of Location and Access Access by truck by good gravel and Tcheville FAR. To HEATH #2 then by ATV trail 5 km or by trail, canoe and trail to camp 2 km. (Fig 4 in pocket.)

Prospecting Assistants(s) - give name(s) and qualifications of assistant(s) (see Program Regulation 13, page 6)

Charlie Campbell, diamond driller with 10 years of prospecting

Main Commodities Searched For Pd, Pt, Cu, Au, Ag

Known Mineral Occurrences in Project Area Mineral Inventory 093N-071, 072

WORK PERFORMED

1. Conventional Prospecting (area) 5 km²
2. Geological Mapping (hectares/scale) _____
3. Geochemical (type and no. of samples) 35 core, 1 sludge, 29 rock
4. Geophysical (type and line km) _____
5. Physical Work (type and amount) 1 km ATV trail, cut out ≈ 5 km excavator trail
6. Drilling (no. holes, size, depth in m, total m) Three holes, X-Ray, 20.1m, 24.2m, B.A. = 57.1m
7. Other (specify) _____

FEEDBACK: comments and suggestions for Prospector Assistance Program _____

D. TECHNICAL REPORT (continued)

REPORT ON RESULTS

- Those submitting a copy of an Assessment Report or a report of similar quality that covers all the key elements listed below are not required to fill out this section.
- Refer to Program Regulation 17D on page 6 for details before filling this section out (use extra pages if necessary)
- Supporting data must be submitted with the following TECHNICAL REPORT or any report accepted in lieu of.

Information on this form is confidential for one year from the date of receipt subject to the provisions of the Freedom of Information Act.

Name COLIN CAMPBELL Reference Number 01/02-P87

1. LOCATION OF PROJECT AREA [Outline clearly on accompanying maps of appropriate scale.]

The Heath 1, 2, 3 and 19 claims are located 215 kilometres northwest of Prince George in the Quinseea Mining District on the west flank of Mt. Natick (093N06E). Access is gained by good gravel Forestry Access Road some 105 kilometres north of Ft. St. James.

2. PROGRAM OBJECTIVE [Include original exploration target.]

- Sampling of Teck (1991) core was initiated to prove the potential of finding "economic" Cu-Pt-Pd mineralization on the Heath; this objective was realized when samples HEX 01, HEX 02 returned .29% Cu, 228 ppb Pt, 792 ppb Pd and 149 ppb Au over 4.73 meters (core length) in 91H-4 (Fig 4).
- Three X-Ray drill holes totaling 57.7m were cored on the A-zone best intersection was 3.15% Cu, 22 ppm Ag, 26 ppb Pd, 362 ppb Au over 1.52m (HEX 13 in hole HEX 01-01) See Graphic Section Log.

3. PROSPECTING RESULTS [Describe areas prospected and significant outcrops/float encountered. Mineralization must be described in terms of specific minerals and how they occur. These details must be shown on accompanying map(s) of appropriate scale; prospecting traverses should be clearly marked.]

Prospecting of areas D, A, C and E revealed no significant PGE nor any new copper mineralization.

D. TECHNICAL REPORT (continued)

REPORT ON RESULTS (continued)

4. GEOCHEMICAL RESULTS [Describe all survey types done (rock, soil, silt) and their objective. Show clearly on accompanying map(s) of appropriate scale all sample sites along with all significant values. Any anomalous areas should be indicated on maps by the use of contouring, variable symbol sizes, or some other suitable technique. Include a discussion/interpretation of results. A copy of analysis/assay certificates must be included with sample numbers from map. Details of individual rock samples taken are encouraged. Significant geochemical values obtained must be stated.]

Thirty-five core samples, 29 rock and 1 sludge samples were collected for a total of 65. All samples to Acme Analytical Labs in Vancouver for thirty element ICP-ES analysis and for Au, Pd, Pb for five assay using a 30gm sample. Assay certificates are attached (A140 A17) Rock descriptions from A8 to A11 with Graphic Log-Sections with significant results (A15, A16, A17) for summary see section D-5 under Drilling

Rock sample locations, along with drill hole locations are plotted on Fig 4 and Fig 14.

~~Five~~ Fifty-eight of the rock-core samples returned anomalous PGE (>10 ppb) the best results being 4.43 metres (core length) of .29% Cu, 228 ppb Pt and 792 ppb Pd, 189 ppb Au from Teck hole 91H-4 a section of pyroxenite with disseminated Cpx-Py and 20% magnetite; I believe this mineralization is magmatic.

Results from the 2001 drilling suggests higher grade Copper mineralization along with gold but lower PGE from vein (hydrothermal) mineralization. Best intersection was 1.52 m (core length) of 3.15% Cu, 22 ppm Ag, 26 ppb Pd, 4 ppb Pt, 362 ppb Au (HEX 13) from Hole HEX 01-01.

A check sample HEX 37 from H91-4 consisting of 10 cm of core verified the HEX 01, 02 results.

D. TECHNICAL REPORT (continued)

REPORT ON RESULTS (continued)

5. GEOPHYSICAL RESULTS [Specify the objective of the survey, the method used and the work done. Discuss the results and show the data on an accompanying map of appropriate scale. Any anomalous areas must be indicated on maps by the use of contouring, or some other suitable technique.]

5. OTHER RESULTS [Drilling - describe objective, type and amount of drilling done. Discuss results, including any significant intersections obtained. Indicate on a map of appropriate scale the drill-hole collar location, the angle of inclination and azimuth. Drill logs correlated with assay results must be included. **Physical Work** - describe the type and amount of physical work done and the reasons for doing it (where not self-evident). This includes lines/grids, trails, trenches, opencuts, underground work, reclamation, staking of claims, etc. Discuss results where pertinent.]

Drilling - Three X-Ray ($7/8"$ core)^{holes} were cored on the A-zone to demonstrate grade and continuity at depth. Hole (20.1m) HEX01-01 was drilled at -60° @ 225° Az (see A-15) collar located on Fig. 14. best results 3.15% Cu, 22 ppm Ag, 26 ppb Pd, 362 ppb Au - core length 1.52m. Hole HEX01-02 (29.2m) returned 1.40% Cu, 9.3 ppm Ag, 131 ppb Pd, 454 ppb Au over .61m core length. Hex01-03 (17.4m) returned 1.83% Cu, 25.5 ppm Ag, 27 ppb Pd and 316 ppb Au over 1.55m core length. Total footage 57.7 metres)

Physical work - One km. of ATV trail was cut to connect Tehenta FAR road to excavator road. Five km excavator road was cut out - 2 man days (two chain saws) to provide access to drill sites and camp.

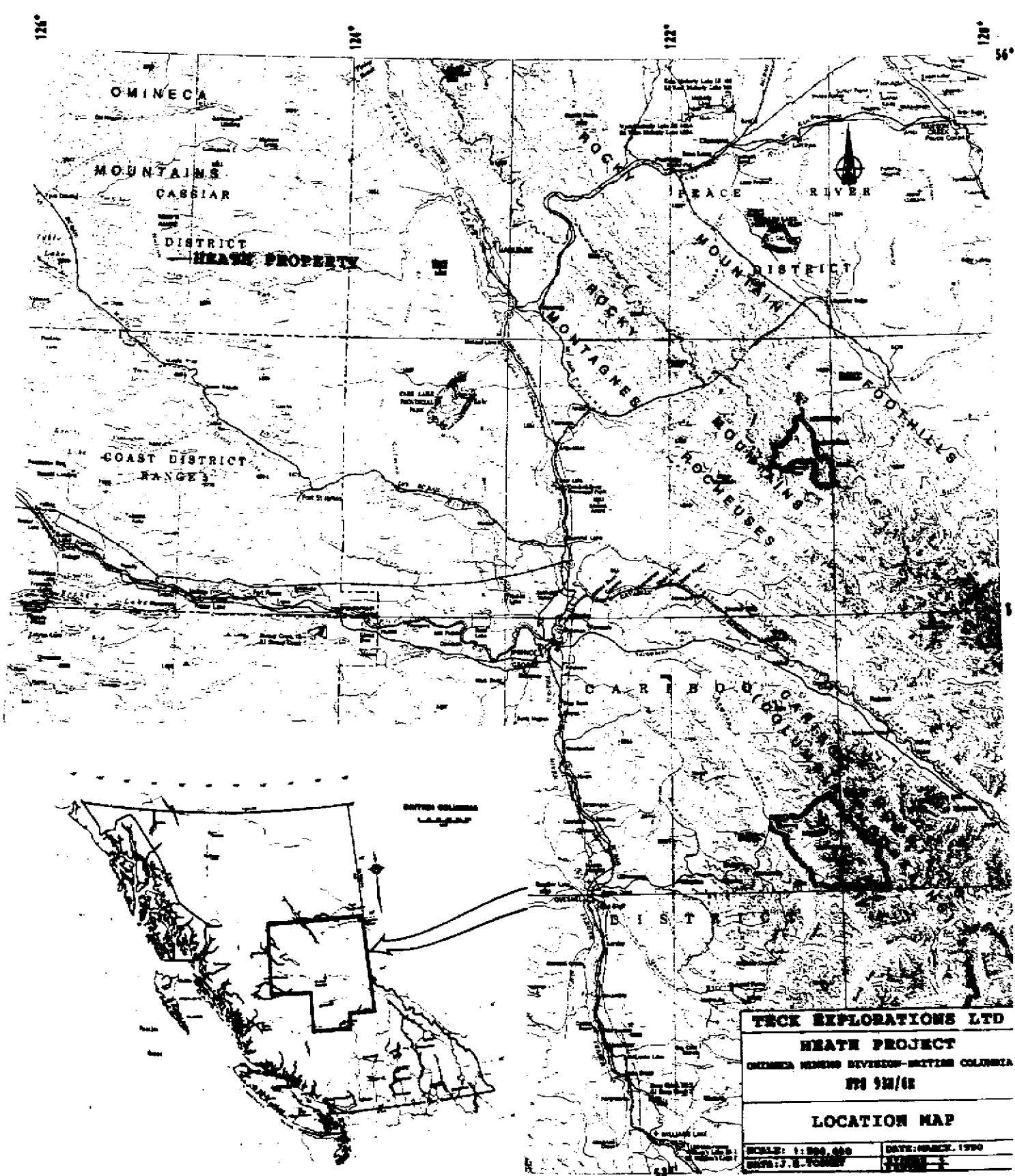
Signature of Grantee

[Handwritten signature]

Date

JAN 29/02

Signature of person filling out Final Prospecting Report if other than grantee



John J. Cooper

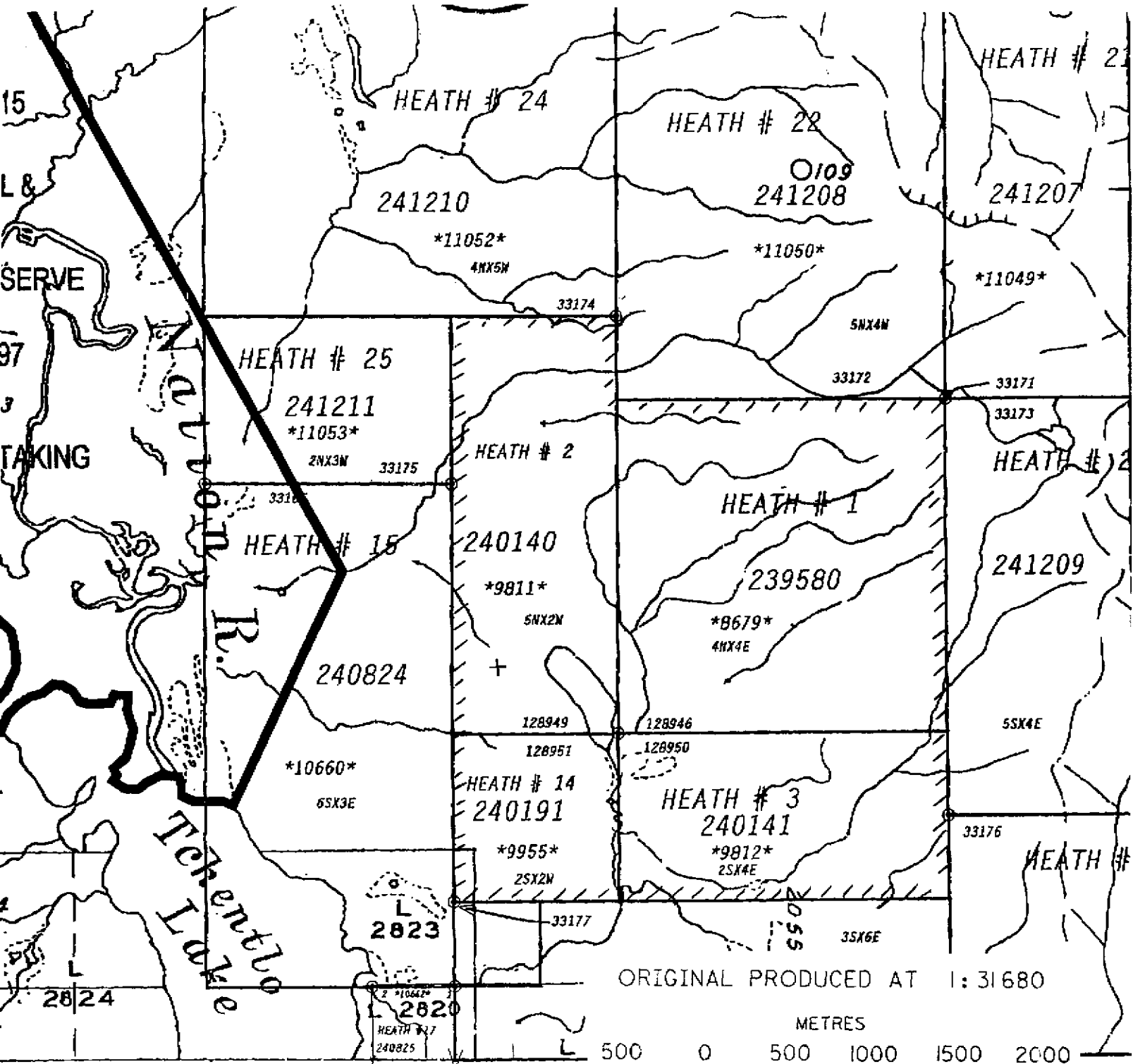
FIGURE 1

HEATH PROJECT - CLAIMS MAP

FIGURE 2

5

93N6E



ORIGINAL PRODUCED AT 1:31680

METRES

500 0 500 1000 1500 2000

JANUARY 9, 2002

Philip J. ...

ADMINISTRATIVE AREAS

MINING DIVISIONS: OMINECA



GEOCHEMICAL ANALYSIS CERTIFICATE



Campbell, Colin PROJECT HEATH File # A102817
4931 Menzies Road, Courtenay BC V9J 1R4 Submitted by: Colin Campbell

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	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 %	B %	Al %	Na %	K %	W ppm	Au** ppb	Pt** ppb	Pd** ppb
HEX-01	1	2264	<3	38	2.4	66	46	467	15.04	<2	<8	<2	<2	78	.2	<3	4	758	1.81	.184	3	38	1.56	230	.27	<3	1.75	.05	.13	<2	114	260	830
HEX-02	<1	4066	<3	29	3.0	51	41	407	13.64	<2	<8	<2	2	143	<.2	<3	3	674	2.22	.227	4	29	1.34	172	.23	<3	2.32	.08	.12	<2	227	156	710
HEX-03	1	1919	<3	22	1.9	58	39	365	13.49	<2	<8	<2	<2	92	<.2	<3	<3	697	1.49	.123	1	42	1.35	252	.28	<3	1.63	.06	.18	<2	<2	<2	<2
HEX-04	6	7915	3	84	3.3	29	55	988	10.66	12	<8	<2	2	225	.9	3	6	348	4.53	.309	5	9	2.48	185	.19	6	4.39	.09	.19	<2	18	9	64
HEX-05	1	479	<3	27	.9	31	33	394	9.90	<2	<8	<2	2	396	.3	<3	<3	475	4.05	.288	5	11	1.71	450	.23	4	4.64	.19	.33	<2	39	56	200
HEX-06	1	882	<3	28	1.3	27	37	295	9.24	3	<8	<2	2	513	.2	4	<3	474	4.18	.060	2	16	1.17	241	.20	6	5.11	.23	.17	<2	62	19	94
HEX-07	<1	510	<3	36	1.1	15	40	484	12.08	<2	<8	<2	2	438	<.2	<3	<3	637	3.40	.078	1	16	1.13	186	.22	3	4.29	.20	.13	<2	11	2	32
HEX-08	1	592	<3	22	1.2	31	29	361	8.60	<2	<8	<2	<2	620	<.2	3	<3	419	4.69	.007	1	12	1.38	86	.09	3	6.09	.31	.06	<2	151	19	106
HEX-09	1	1510	<3	21	1.9	27	29	288	8.96	<2	<8	<2	<2	568	.2	<3	<3	501	4.47	.006	1	16	1.13	74	.16	<3	5.78	.25	.06	<2	33	4	31
HEX-10	1	488	<3	24	.7	10	27	323	10.23	5	<8	<2	2	457	.2	<3	<3	466	4.96	.560	8	10	1.35	102	.10	9	4.95	.19	.15	<2	4	5	18
HEX-11	44	15338	<3	306	20.2	64	127	462	16.60	144	<8	<2	<2	61	1.8	5	<3	232	1.81	.382	4	11	1.12	11	.09	16	1.73	.02	.02	2	389	<2	71
RE HEX-11	45	15495	<3	310	20.4	64	129	479	16.76	147	<8	<2	2	61	2.1	<3	3	235	1.84	.387	6	11	1.14	11	.09	17	1.74	.02	.03	<2	429	<2	82
HEX-12	2	1068	3	151	1.8	20	47	753	17.51	10	<8	<2	3	340	1.3	5	<3	808	4.66	.508	7	12	1.83	345	.17	4	3.80	.11	.23	75	16	3	11
HEX-13	8	3,1499	9	137	22.6	67	74	547	14.33	96	<8	<2	<2	161	2.2	<3	<3	286	4.35	.393	7	12	1.62	41	.16	16	2.70	.03	.07	4	362	4	26
HEX-14	91	14004	<3	114	13.3	38	141	243	17.41	70	<8	<2	2	53	.8	<3	3	259	2.13	.373	3	5	.60	16	.10	27	.72	.02	.02	<2	454	<2	131
HEX-15	4	2692	<3	44	4.0	11	34	459	13.18	28	8	<2	<2	287	.4	<3	<3	379	3.85	.286	4	4	1.18	65	.12	19	3.24	.12	.07	<2	31	<2	15
STANDARD C3/FA-10R	26	66	34	165	5.8	37	11	781	3.42	56	23	3	19	28	23.5	15	27	82	.57	.088	19	170	.62	151	.09	17	1.83	.04	.15	20	475	464	462
STANDARD G-2	2	4	5	41	<.3	10	4	541	2.02	<2	<8	<2	4	72	<.2	<3	<3	43	.66	.093	7	77	.62	223	.16	<3	.95	.08	.48	3	-	-	-

GROUP 10 - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-ES.
UPPER LIMITS - AG, AU, HG, W = 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.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: CORE R150 60C AU** PT** PD** GROUP 3B BY FIRE ASSAY & ANALYSIS BY ICP-ES. (30 gm)
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 22 2001 DATE REPORT MAILED: Aug 29/01 SIGNED BY: C. L. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS



GEOCHEMICAL ANALYSIS CERTIFICATE



Campbell, Colin PROJECT HEATH File # A102818
4931 Menzies Road, Courtenay BC V9J 1R4 Submitted by: Colin Campbell

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	Au**	Pt**	Pd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	%	ppm	ppb	ppb	ppb
HEX-16	93	12576	68	815	5.9	38	71	1615	19.06	31	<8	<2	2	12	7.2	12	<3	596	.61	.021	2	10	2.75	35	.21	<3	2.30	.02	.01	2	20	11	13
HEX-17	58	23852	15	305	17.5	17	123	554	20.93	65	<8	<2	2	39	.9	<3	8	157	.73	.083	1	8	.75	51	.08	<3	1.34	.02	.06	25	258	<2	8
HEX-18	10	19995	<3	125	32.9	13	61	644	11.75	3	<8	<2	<2	66	<.2	<3	<3	84	.58	.118	1	5	1.60	100	.10	<3	1.78	.02	.02	26	172	<2	13
RE HEX-18	9	20646	<3	129	34.2	14	63	659	12.06	2	<8	<2	<2	69	<.2	7	<3	84	.60	.120	2	5	1.65	102	.10	<3	1.83	.02	.02	28	-	-	-

GROUP 1D - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-ES.
UPPER LIMITS - AG, AU, HG, W = 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.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK R150 60C AU** PT** PD** GROUP 3B BY FIRE ASSAY & ANALYSIS BY ICP-ES. (30 gm)
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 22 2001

DATE REPORT MAILED: *Aug 29/01*

SIGNED BY: *C. Leong* .D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

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GEOCHEMICAL ANALYSIS CERTIFICATE



Campbell, Colin File # A102976 Page 1
4931 Menzies Road, Courtenay BC V9J 1R4 Submitted by: Colin Campbell

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	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 %	B ppm	Al %	Na %	K %	W ppm	Au** ppb	Pt** ppb	Pd** ppb
HEX-19	21	5294	<3	113	3.3	12	34	965	13.05	48	<8	<2	<2	206	1.5	<3	<3	384	3.20	.345	4	13	2.08	91	.09	6	4.23	.09	.11	3	64	7	17
HEX-20	112	15167	19	229	14.8	34	82	807	15.93	161	8	<2	<2	158	2.3	4	4	333	2.15	.296	5	12	1.85	54	.09	7	3.56	.07	.09	<2	316	2	24
HEX-22	22	490	12	38	<.3	33	54	448	8.35	53	<8	<2	<2	49	<.2	<3	<3	549	1.48	.021	1	89	1.25	15	.20	9	1.40	.06	.05	<2	9	12	20
HEX-23	1	865	<3	17	<.3	18	21	275	5.82	6	<8	<2	4	389	<.2	<3	<3	401	3.44	.034	2	20	.81	56	.17	4	3.76	.23	.06	<2	16	9	65
RE HEX-23	2	880	5	17	<.3	18	21	277	6.05	2	<8	<2	5	396	.2	<3	<3	406	3.51	.035	2	20	.83	57	.17	7	3.84	.23	.06	<2	15	15	68
ST/ IODARD C3/FA-10R	26	62	39	163	5.5	38	12	816	3.21	60	23	<2	21	27	22.5	17	24	79	.54	.097	18	176	.61	153	.09	20	1.86	.04	.17	21	487	482	480
STANDARD G-2	2	3	5	44	<.3	9	4	574	1.97	<2	11	<2	4	68	<.2	<3	<3	40	.62	.109	7	82	.62	235	.14	<3	.93	.07	.51	3	-	-	-

GROUP 10 - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-ES.
UPPER LIMITS - AG, AU, HG, W = 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.
- SAMPLE TYPE: P1 CORE P2 ROCK P3 SLUDGE AU** PT** & PD** GROUP 3B BY FIRE ASSAY & ANALYSIS BY ICP-ES. (30 gm)
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: SEP 4 2001 DATE REPORT MAILED: *Sep 14/2001* SIGNED BY: *[Signature]* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

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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	Au**	Pt**	Pd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	%	ppm	ppb	ppb	ppb
HEX-21	21	18337	5	265	25.5	47	82	858	16.99	148	<8	<2	3	122	5.8	<3	<3	370	1.54	.234	5	24	1.74	64	.12	15	3.04	.04	.05	202	282	4	27

Sample type: SLUDGE P150 60C.

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ACME ANALYTICAL

Campbell, Colin FILE # A102976

Page 2



ACME ANALYTICAL

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	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 %	B ppm	Al %	Na %	K %	W ppm	Au** ppb	Pt** ppb	Pd** ppb
HEX-24	<1	1389	<3	42	1.2	30	11	712	11.79	2	<8	<2	2	49	1.1	6	<3	304	2.78	.290	3	13	.95	18	.10	39	1.33	.01	.02	<2	9	5	5
HEX-25	26	99999	<3	255	48.8	34	122	67	24.77	20	<8	<2	3	6	.3	3	48	95	.21	.042	<1	19	.22	11	.04	18	.30	<.01	<.01	4	297	8	8
RE HEX-25	27	99999	<3	257	48.7	35	122	74	24.87	16	<8	<2	2	7	<.2	<3	53	96	.22	.047	1	19	.22	9	.04	16	.31	.01	.01	<2	308	7	5
STANDARD G3/FA-10R	26	68	35	165	6.3	37	13	782	3.47	56	20	3	19	30	23.5	15	24	82	.60	.092	19	170	.64	156	.10	21	1.91	.03	.16	20	487	482	480
STANDARD G-2	3	3	6	43	<.3	9	6	517	1.99	2	<8	<2	4	68	<.2	<3	<3	41	.62	.089	8	74	.60	216	.14	<3	.91	.07	.45	2	-	-	-

Sample type: ROCK R150 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

GEOCHEMICAL ANALYSIS CERTIFICATE

Campbell, Colin File # A103439

4931 Manzius Road, Courtenay BC V9J 1R4 Submitted by: Colin Campbell



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	Au**	Pt**	Pd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppb	ppb	ppb	
SI	<1	1	4	1	<.3	2	<1	5	.04	2	<8	<2	<2	3	<.2	<3	<3	1	.14	<.001	<1	8	<.01	38	<.01	3	.01	.62	.01	<2	<2	<2	<2
HEX-26	1	51	3	32	<.3	24	29	705	7.33	9	<8	<2	2	105	2	<3	<3	478	2.26	.012	2	11	1.32	131	.14	18	2.58	.08	.22	<2	4	19	211
HEX-27	3	100	<3	133	<.3	38	43	1872	12.26	17	<8	<2	2	227	1.1	<3	3	661	3.48	.010	3	14	3.01	176	.10	8	4.85	.14	.16	2	8	49	208
HEX-28	4	41	<3	24	<.3	17	38	556	11.59	10	<8	<2	3	431	.7	<3	4	668	3.84	.192	6	16	1.64	218	.22	<3	4.98	.26	.18	<2	3	2	15
HEX-29	3	79	<3	24	<.3	33	35	479	9.38	8	<8	<2	<2	124	.4	<3	<3	631	1.97	.066	2	17	1.39	313	.27	4	2.30	.12	.27	<2	4	103	188
HEX-30	2	734	<3	14	<.3	27	36	431	11.52	12	<8	<2	<2	207	.8	<3	<3	709	2.34	.169	4	25	1.23	475	.21	5	2.76	.15	.31	<2	31	29	144
HEX-41	11	2344	<3	24	1.9	7	64	656	9.20	33	<8	<2	<2	116	.4	<3	<3	215	2.87	.427	5	14	1.99	124	.16	20	2.92	.09	.05	<2	27	<2	21
HEX-42	2	339	3	29	<.3	14	35	382	18.12	18	9	<2	3	155	1.7	<3	4	894	3.91	1.489	20	15	1.90	252	.04	<3	1.20	.06	.20	<2	36	8	28
HEX-43	1	637	29	392	.4	10	51	2410	12.27	22	<8	<2	2	349	4.2	4	3	556	4.59	.728	11	13	2.34	213	.09	3	5.62	.17	.23	8	6	<2	18
HEX-44	266	23820	6	48	25.2	23	233	376	13.50	879	<8	<2	<2	47	1.2	<3	8	171	1.30	.393	5	32	.47	12	.08	65	.71	.02	.01	2	401	<2	18
RE HEX-44	270	24043	9	45	25.9	23	239	370	13.71	900	<8	<2	<2	46	1.3	<3	9	171	1.30	.396	5	27	.47	11	.09	65	.69	.02	.01	2	421	2	22
HEX-45	22	2518	<3	80	2.1	11	73	926	12.52	63	9	<2	2	112	1.3	<3	4	395	2.70	.677	5	20	1.77	39	.10	26	2.60	.07	.07	<2	26	<2	7
HEX-46	2	767	<3	33	<.3	27	59	785	11.02	8	<8	<2	<2	395	.9	3	<3	553	4.04	.509	13	15	3.54	2508	.10	4	4.88	.20	1.23	<2	20	4	25
HEX-47	1	233	<3	27	<.3	15	35	838	10.31	18	<8	<2	<2	629	.9	4	<3	475	5.23	.678	11	13	2.40	1390	.14	6	5.66	.25	.62	<2	6	4	22
HEX-48	3	243	<3	28	<.3	9	27	729	10.84	12	<8	<2	<2	211	.8	<3	3	472	2.91	.507	9	14	1.85	418	.16	11	3.40	.10	.23	<2	3	2	18
HEX-49	1	52	<3	15	<.3	29	30	396	7.85	13	<8	<2	2	395	.4	3	<3	496	3.86	.062	3	17	1.20	311	.19	13	4.74	.25	.31	<2	<2	8	47
HEX-50	2	265	14	61	<.3	56	62	1602	17.97	23	<8	<2	2	26	1.7	<3	<3	1090	.92	.009	2	24	3.10	91	.15	<3	2.72	.02	.05	<2	13	<2	13
HEX-51	620	3105	15	113	4.4	232	161	977	20.41	681	<8	<2	3	17	1.7	<3	5	287	.45	.113	10	33	1.12	44	.11	23	1.56	.02	.02	<2	125	<2	35
HEX-52	13	1460	<3	34	4.4	7	32	334	15.85	26	10	<2	2	108	.7	<3	3	126	.65	.136	3	25	.41	102	.12	<3	.89	.03	.12	42	6	2	5
HEX-54	3	251	6	141	.7	5	19	2885	5.96	7	<8	<2	2	72	<.2	<3	4	169	1.34	.296	14	14	1.77	105	.01	3	2.10	.05	.13	3	<2	4	11
HEX-55	2	3068	8	298	1.5	6	29	2820	6.48	6	<8	<2	2	30	<.2	4	31	122	1.03	.183	9	26	1.56	336	<.01	5	2.99	.01	.20	5	5	4	4
HEX-56	1	20	5	259	<.3	24	34	2855	5.54	4	<8	<2	<2	402	.3	4	<3	217	1.81	.021	1	30	2.64	18	.11	4	3.16	.01	.01	4	<2	4	12
HEX-57	1	35	<3	23	<.3	40	47	862	9.39	11	<8	<2	<2	150	.4	<3	<3	550	1.53	.030	2	25	2.32	43	.27	4	2.38	.08	.05	<2	<2	5	10
HEX-64	<1	745	4	219	<.3	18	48	2365	7.52	10	<8	<2	<2	161	.4	4	<3	345	3.08	.030	2	15	4.31	45	.32	4	3.57	.03	.04	4	19	12	143
HEX-65	3	49	<3	37	<.3	17	46	850	11.30	15	<8	<2	3	63	.7	<3	<3	827	1.84	.159	5	17	1.66	103	.26	7	1.66	.08	.10	<2	<2	9	18
HEX-66	1	126	<3	56	<.3	30	41	785	9.34	6	<8	<2	<2	70	.4	<3	3	475	1.10	.030	2	52	2.00	103	.41	<3	1.49	.06	.05	<2	<2	11	5
STANDARD DS3/FA-10R	10	126	34	156	<.3	34	12	815	3.22	33	<8	<2	4	28	5.6	4	5	82	.55	.097	17	187	.61	147	.09	<3	1.81	.04	.17	4	481	481	476

*Rocks
matrix
G.S*

A-6

GROUP 10 - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-ES.
UPPER LIMITS - AG, AU, HG, W = 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.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK R150 60C AU** PT** PD** GROUP 3B BY FIRE ASSAY & ANALYSIS BY ICP-ES. (30 gm)
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 1 2001 DATE REPORT MAILED: *Oct 11/01* SIGNED BY: *C. Long* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS



GEOCHEMICAL ANALYSIS CERTIFICATE



Campbell, Colin File # A103440
4931 Menzies Road, Courtenay BC V9J 1R4 Submitted by: Colin Campbell

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	Au**	Pt**	Pd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	% ppm	ppm	% ppm	% ppm	% ppm	% ppm	% ppm	% ppm	% ppm	% ppm	ppm	ppb	ppb	ppb
S1	1	2	<3	4	.4	1	<1	4	.03	2	<8	<2	<2	4	<.2	<3	<3	<1	.17	<.001	<1	5	.01	26	<.01	<3	.01	.69	.01	<2	2	3	<2
HEX-31	2	582	<3	26	<.3	10	48	548	9.47	8	16	<2	<2	500	.9	3	<3	517	4.65	.400	9	7	1.99	784	.28	12	5.29	.24	.59	2	4	2	10
HEX-32	<1	723	<3	21	.4	10	47	616	9.78	13	14	<2	<2	445	.9	<3	<3	522	5.49	.653	13	10	2.05	665	.17	13	5.10	.20	.40	<2	19	6	22
HEX-33	1	1015	<3	33	<.3	8	48	561	9.17	9	18	<2	<2	569	.6	<3	<3	501	5.35	.404	9	4	2.01	667	.27	19	5.68	.25	.43	<2	5	<2	7
HEX-34	1	395	<3	21	<.3	40	43	668	11.73	8	25	<2	2	63	1.1	<3	<3	737	1.91	.111	4	19	1.50	76	.21	7	1.66	.06	.08	<2	19	50	179
HEX-35	1	210	3	28	<.3	48	50	829	12.46	12	17	<2	2	48	1.2	<3	<3	828	2.49	.128	5	25	1.94	72	.31	<3	2.03	.04	.07	<2	13	27	91
HEX-37	2	4815	<3	26	.3	62	57	563	15.88	14	16	<2	2	40	1.4	<3	<3	1025	1.43	.170	4	36	1.61	61	.23	<3	1.41	.05	.05	<2	279	189	878
HEX-38	2	616	<3	38	<.3	15	47	1038	11.46	21	21	<2	<2	220	1.2	<3	<3	606	5.57	.543	10	10	2.74	413	.19	13	4.18	.09	.30	2	42	15	29
RE HEX-38	3	590	<3	39	<.3	14	46	1024	11.34	16	21	<2	<2	217	1.1	<3	<3	596	5.52	.531	10	11	2.72	408	.16	13	4.12	.09	.29	2	37	19	35
RRE HEX-38	2	572	<3	38	<.3	14	47	1011	11.61	16	17	<2	2	214	1.2	<3	<3	618	5.49	.544	11	12	2.64	378	.16	15	4.01	.09	.28	2	31	16	31
HEX-39	1	947	<3	28	<.3	19	48	705	11.83	18	19	<2	2	210	1.2	<3	<3	668	3.82	.470	10	8	2.28	528	.18	13	3.72	.11	.42	<2	51	15	47
HEX-40	<1	79	4	29	<.3	28	26	609	9.64	13	19	<2	2	143	.8	<3	<3	559	4.26	.273	3	11	1.37	155	.22	14	2.04	.08	.14	<2	10	32	153
HEX-53	1	446	25	244	1.3	5	51	1062	8.41	30	13	<2	<2	609	3.7	4	7	335	4.64	.517	11	8	2.58	500	.20	8	5.05	.20	.35	4	9	2	2
HEX-58	1	1145	<3	58	1.1	23	63	726	11.24	16	19	<2	<2	406	1.4	<3	<3	630	5.53	.730	20	11	2.87	243	.06	<3	3.77	.35	.71	<2	25	6	24
HEX-59	2	332	3	57	.4	10	36	769	8.51	11	14	<2	<2	385	1.0	4	<3	431	5.20	.520	15	3	2.67	541	.11	11	4.09	.30	.41	<2	4	4	8
HEX-60	1	218	4	68	<.3	9	26	748	8.89	10	14	<2	2	369	.8	3	<3	405	4.53	.524	15	7	2.60	336	.11	7	3.47	.19	.28	<2	3	4	8
HEX-61	1	396	<3	48	<.3	9	27	534	8.47	8	19	<2	<2	747	.8	3	<3	416	5.83	.569	12	8	1.90	422	.21	3	5.55	.37	.35	<2	3	<2	8
HEX-62	<1	312	<3	49	<.3	14	32	540	8.84	9	16	<2	<2	548	.6	<3	<3	454	5.19	.538	13	12	1.87	601	.17	11	4.75	.20	.33	<2	34	6	22
HEX-63	2	613	<3	72	<.3	17	52	729	9.99	15	18	<2	<2	349	.9	<3	<3	487	5.67	.584	16	13	3.11	441	.07	10	4.53	.12	.65	<2	19	7	23
STANDARD DS3/FA-10R	10	130	33	159	<.3	36	12	799	3.35	33	12	<2	4	30	5.7	5	5	85	.58	.097	20	189	.64	156	.09	<3	1.86	.04	.18	5	487	481	485

GROUP 10 - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-ES.
UPPER LIMITS - AG, AU, HG, W = 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.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: CORE R150 60C AU** PT** PD** GROUP 3B BY FIRE ASSAY & ANALYSIS BY ICP-ES. (30 gm)
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 1 2001 DATE REPORT MAILED: *Oct 10/01* SIGNED BY: *C. Leong* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

ROCK SAMPLES

CAMP _____

SAMPLE CODE _____

 COLLECTOR COLIN CAMPBELL

 PROJECT HEATH

 AREA (Lake, River) NATION MOUNTAIN

 DATE August, 2001

 MAP SHEET 93N 06E

AERIAL PHOTO _____

No.	SAMPLE No.	LOCATION	ROCK NAME	OXIDATION	DESCRIPTION (alteration, shearing, composition)	ANALYTICAL RESULTS			
1	HEX-01	91-H4 27.43 to 30.48m			See Tech Logs A.R. 2194B				
2	HEX-02	" 27.43 to 26.05							
3	HEX-03	" 47.72 to 48.77m							
4	HEX-04	" 67.75 to 69.4 m							
5	HEX-05	" 79.24 to 81.07 m							
6	HEX-06	" 81.07 to 83.5m							
7	HEX-07	91-H5 85.34 to 91.44 m							
8	HEX-08	91-H2 100.8 to 107 m							
9	HEX-09	91-H2 60.96 to 70.41m							
10	HEX-10	HEX01-01 0 to 1.5 m			Fresh mag. diorite, minor Cpy.				
11	HEX-11	" 3.96m to 4.87m			Mag, Cpy, Py in chloritic lens				
12	HEX-12	" 7.47 to 7.92 m			" "ground.				
13	HEX-13	" 17.07 to 18.59 m			Mag. Cpy, Py chlorite. Alt. tourmaline				
14	HEX-14	HEX01-02, 8.53 to 9.14 m			" " "				
15	HEX-15	" 17.1 to 18.6 m			" " "				
16	HEX-16	5130E - 5480N	Boulders		Tech # 7 TRENCH 7169C Mag Py Cpy				
17	HEX-17	6600E - 6200N			old Tech showing - 15m by 2.0m.				
18	HEX-18	5100E - 5510N							
19	HEX-19	HEX01-03, 2.44 to 3.96 m			Chloritic, Mag, Cpy + Py veins.				
20	HEX-20	" 3.96 to 5.49 m			" " " "				

A.B.

ROCK SAMPLES

CAMP _____

SAMPLE CODE _____

 COLLECTOR Colin Campbell

 PROJECT HEATH

 AREA (Lake, River) NATION MOUNTAIN

 DATE August, 2001 - Sept. 2001

 MAP SHEET 93N 06E

AERIAL PHOTO _____

No.	SAMPLE No.	LOCATION	ROCK NAME	OXIDATION	DESCRIPTION (alteration, shearing, composition)	ANALYTICAL RESULTS			
1	HEX-21	HEX01.03 3.96 to 5.49m	Sludge		Sludge				
2	HEX-22	91H2, 54.56 to 57.61m	Pyroxenite	Fresh	Py + Cpy, 25% magnetite				
3	HEX-23	91H5 70.1 to 73.15m	"	Fresh	V.c. ground Pyroxenes, mag, K-spar <i>minor Cpy</i>				
4	HEX-24	5015E - 4910N	"		mag = 15%, <.5% Cpy, v. mafic.				
5	HEX-25	4975E - 4940N	vein	highly	massive Pyrite + Cpy (Campbell's Trench)				
6	HEX-26	4975E - 5400N	G.S		Coarse gr. biotite - mag. gabbro.				
7	HEX-27	498E - 5380N	G.S		" " " "				
8	HEX-28	4750E - 5490N	G.S		" " " "				
9	HEX-29	4780E - 5415N	G.S		Med. gr. diorite, mag, chl, apatite, Cpy				
10	HEX-30	4750E - 5460N	G.S		Bi, mag, chlorite gm. brn M.g. pyr. <i>Cpy</i>				
11	HEX-31	91H4 18.29 to 20.95m	Pyroxenite		M.g., mafic + 15% mag.				
12	HEX-32	91H4 20.95 to 25.1m	C.G. Diorite		some mafic sections				
13	HEX-33	91H4 25.1 to 26.05m			M.g. mag., biotite pyroxenite				
14	HEX-34	91H4 30.48 to 33.53 ^m	Gabbro		C.G. (pegmatitic) gabbro, chl, ep.				
15	HEX-35	91H4 35.93 to 35.96m	"		C.G. gabbro, sheared Cb rts + chl				
16	HEX-36	91H4 35.96 to 39.32m	Missing						
17	HEX-37	91H4 27.2m	Pyroxenite	Check sample	10cm, 1% Cpy, Py, 80% green pyroxene <i>biotite, mag</i>				
18	HEX-38	91H4 35.96 to 39.32m	Pyroxenite		10% Bi, 10% Mag, <.1% Cpy Pyroxenes darker + K-spar apatite				
19	HEX-39	91H4 39.32 to 41.5m	"		as above \Rightarrow more mafic				
20	HEX-40	91H4 55.5 to 55.8m	"		Very mafic + Py				

4-9

ROCK SAMPLES

CAMP _____

SAMPLE CODE _____

 COLLECTOR Colin Campbell

 PROJECT HEATH

 AREA (Lake, River) Natron Mountain

 DATE Sept. 2001

 MAP SHEET 93N 06E

AERIAL PHOTO _____

No.	SAMPLE No.	LOCATION	ROCK NAME	OXIDATION	DESCRIPTION (alteration, shearing, composition)	ANALYTICAL RESULTS			
1	HEX 41	East end Trench 11	Gabbro		G.S. - mafic Py, Mag, Cpy sheared.				
2	HEX 42	4840E - 5006N	Diorite		mafic, sheared, faulted Py, Cpy				
3	HEX 43	4835E - 5005N	Diorite		Biotite - Mag, Py & Cpy Diorite				
4	HEX 44	4825E - 5007N	Vein		.15 cm Cb, Mag., Py, Cpy v's				
5	HEX 45	4823E - 5003N	Vein		.75 cm v's Mag, Py, Cpy (mafic)				
6	HEX 46	4900E - 5040N	G.S.		Biotite pyroxenite & Py-Cpy				
7	HEX 47	4908E - 5047N	G.S.		" " - Cpy Py				
8	HEX 48	4911E - 5015N	G.S.		Biotite - Mag Pyroxenite + Cpy				
9	HEX 49	4924E - 4946N	G.S.		Layered mafics K-spr 20% Mag				
10	HEX 50	5100E - 5010N	Pyroxenite		.75 m pyroxenite + Mag + Py + Cpy				
11	HEX 51	5160E - 4950N	Pyroxenite		3.2 m Pyroxenite " " "				
12	HEX 52	5680E - 4690N	Granodiorite	highly	Mag. epidote & 10% Py > Cpy				
13	HEX 53	91H-9 @ 14.3m	Mafic Dyke		Biotite, Mag (20%) K-spr 30%				
14	HEX 54	5020E - 5045N	veins	mod.	Cpy - Py in sheared diorite				
15	HEX 55	5025E - 5715N	veins	"	Mafic diorite + Culoz + Cpy				
16	HEX 56	4500E - 6100N	Diorite	"	Sheared epidote v's, gtz + sulphide				
17	HEX 57	4500E - 6060N	Pyroxenite	slightly	Dior. Py, epidote, 10% Mag				
18	HEX 58	WK-1 - 28.75 to 29.0 m	Pyroxenite	?	minor Cpy				
19	HEX 59	WK-1 30.5 to 31.0 m	Pyroxenite						
20	HEX 60	WK-1 31.5 to 32.92 m	Pyroxenite		minor Cpy				

1-10

ROCK SAMPLES

CAMP _____

SAMPLE CODE _____

COLLECTOR COLIN CAMPBELL

PROJECT HEATH

AREA (Lake, River) NATION MOUNTAIN

DATE Sept. 2001

MAP SHEET 93N 06E

AERIAL PHOTO _____

No.	SAMPLE No.	LOCATION	ROCK NAME	OXIDATION	DESCRIPTION (alteration, shearing, composition)	ANALYTICAL RESULTS			
1	HEX 61	WK-1 32.92 - 33.92 m	Pyroxenite?		minor Cpx				
2	HEX 62	WK-1 84.5 - 86 m	"		" "				
3	HEX 63	WK-1 86 m - 87.5 m	"		" "				
4	HEX 64	4800E - 6250N	Pyroxenite		minor Cpx				
5	HEX 65	ROT - F.A.R. 4 km N.	"	Fresh	no sulphides. Not plotted				
6	HEX 66	ROT-FAR .5 km N	"		green altered pyroxenite "				
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									

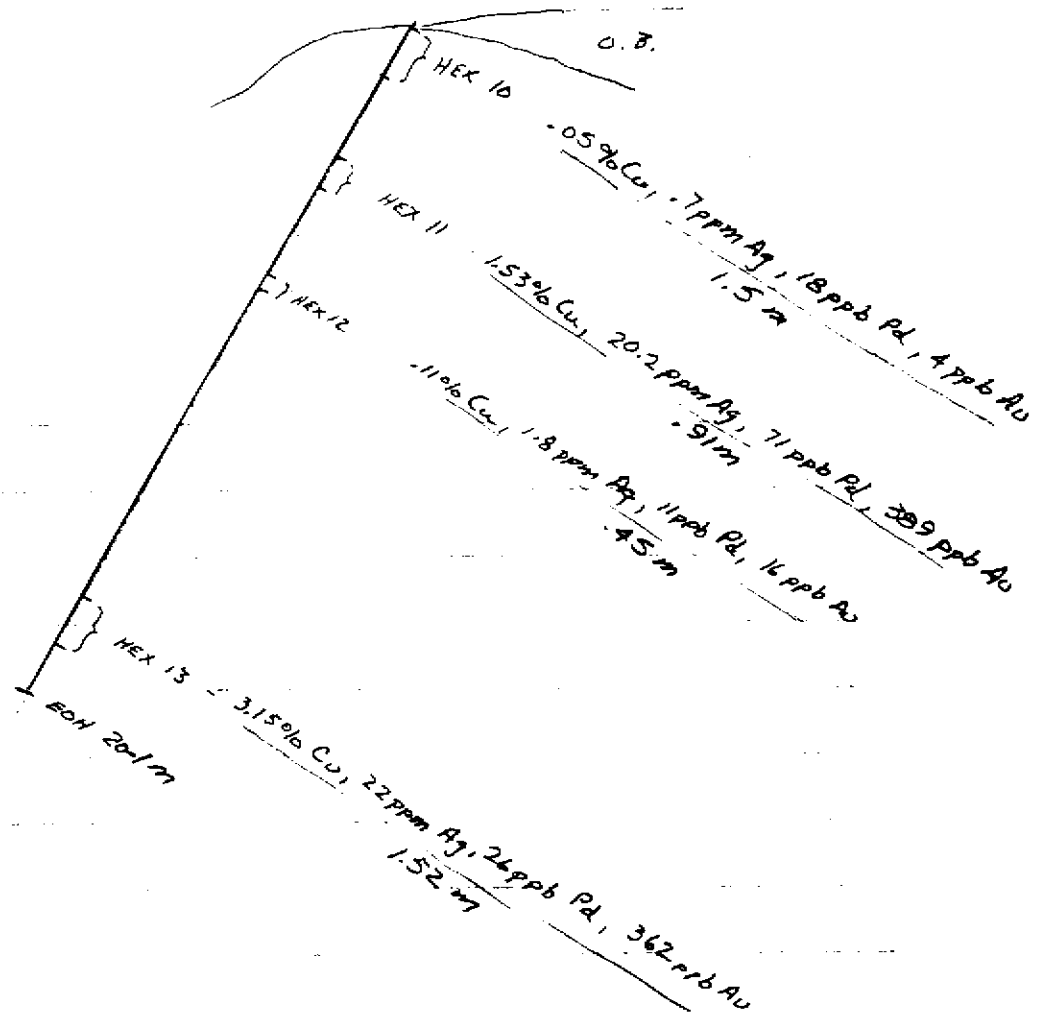
2/11

A-15

HEATH 2001 PROGRAM - LOG-SECTION

HEX 01-01 - 60° @ 225° Ag

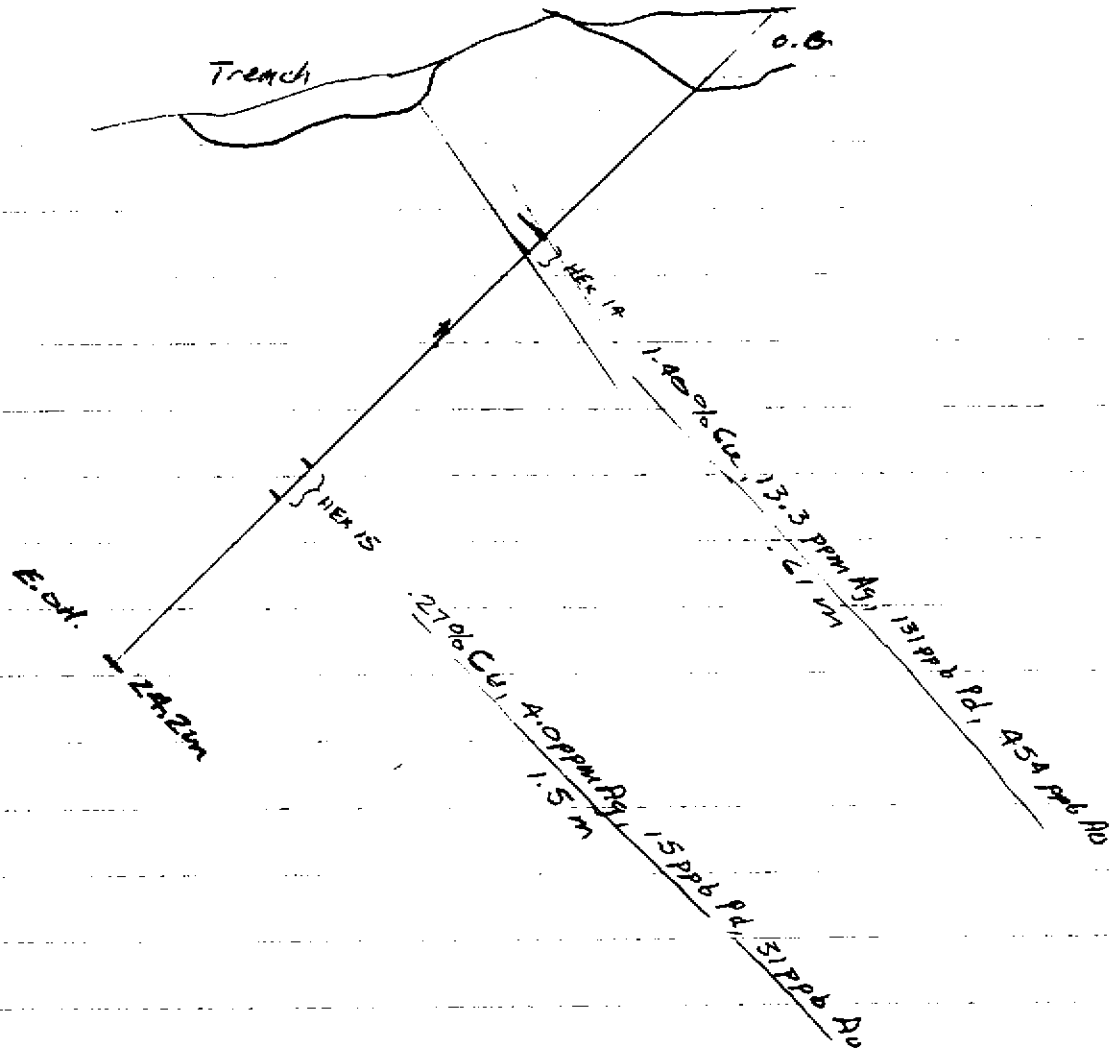
57.7



H1-16

HEATH 2001 Program - LOG-SECTION

HEXD-02 79'6" 24.2 metres 1:20
-45° @ 225° Az

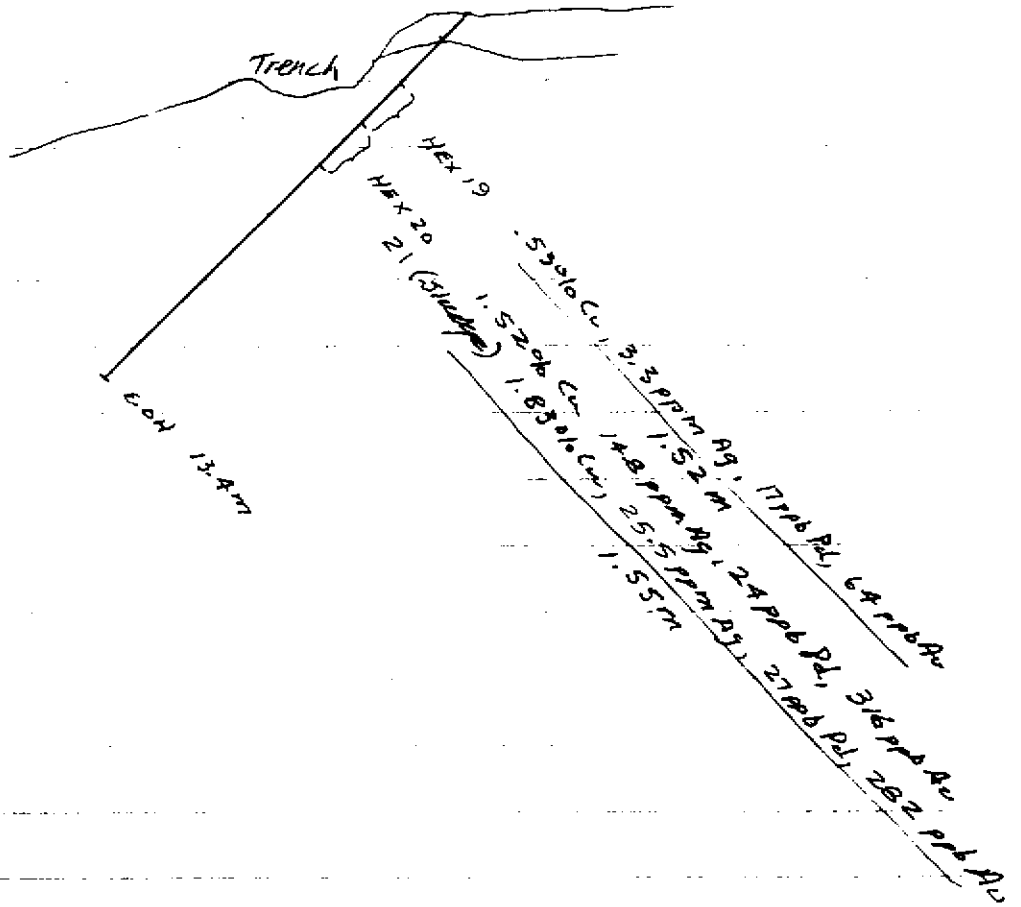


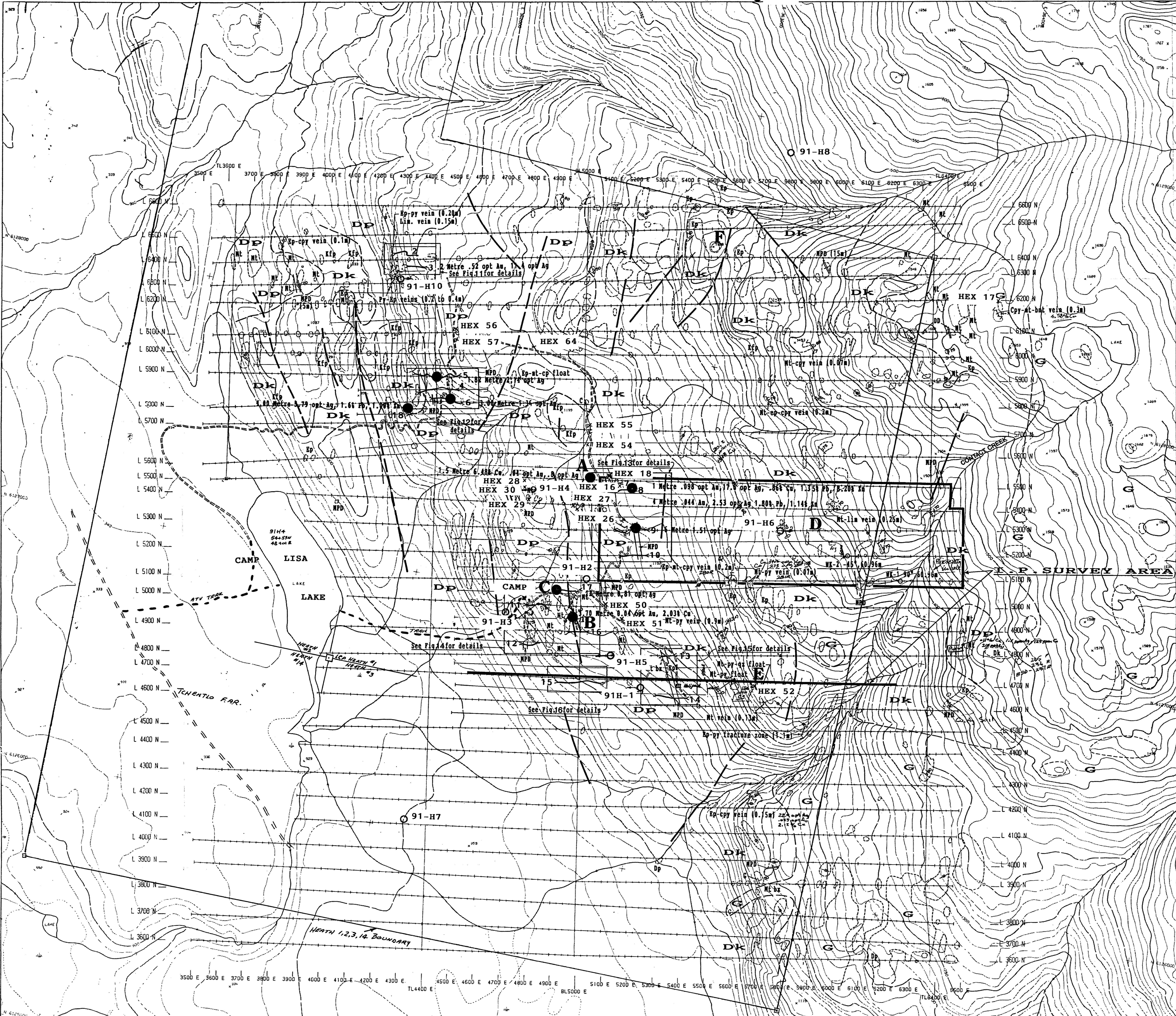
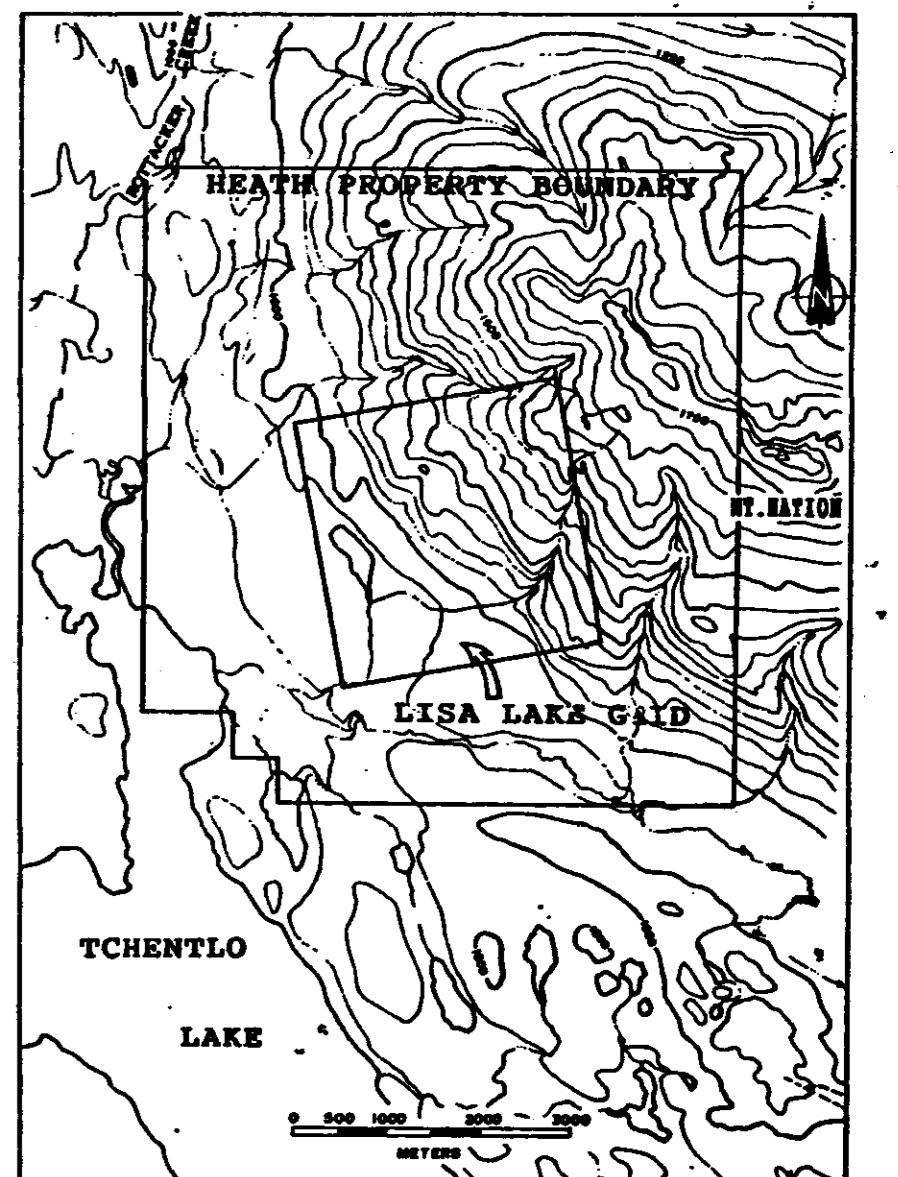
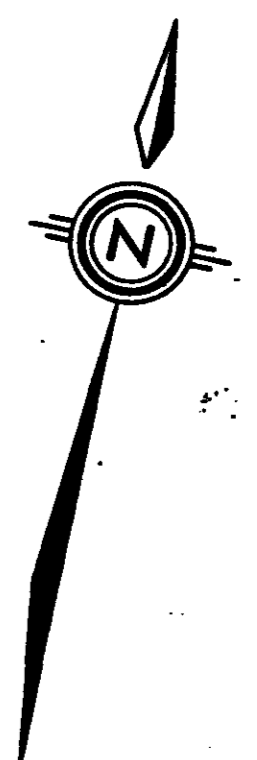
A-17

HEATH 2001 PROGRAM - LCC-SECTION

HEX01-03

2001 HEX01-03
- 450 @ 225° Az





EXPLANATION

LITHOLOGICAL MAP UNITS (TECK)

- G Granodiorite
- Dk Diorite (predominantly potassic alteration)
- Dp Diorite (predominantly propylitic alteration)
- NPD Monzonite porphyry dyke
- DD Diabase dyke

SYMBOLS

- Outcrop
- - - Fault trace (approximate or inferred)
- - - Lithologic contact (approximate)
- - - Alteration contact
- ||| Dyke (showing dip, vertical)
- ||| Prominent joint set attitude (showing dip, vertical)
- ||| Fissure vein attitude (showing dip, vertical)
- - - Trench (showing trench number)
- qz quartz
- cpy chalcocopyrite
- bnt bornite
- py pyrite
- ga galena
- mt magnetite
- ep epidote
- kfp potassium feldspar
- C carbonate alteration
- bx breccia
- Ep Stockwork of epidote fractures
- Kfp Strong potassic alteration
- Nt Much disseminated magnetite
- x SAMPLE LOCATION (2001)
- DIAMOND DRILL HOLE 1991 (7KX)
- Assays added by GSC.
- A 2001 Project - Drill Sites A,B,C, Detailed sampling prospecting areas 201, F

FIGURE 4 SCALE 1:5000

01-44 ①

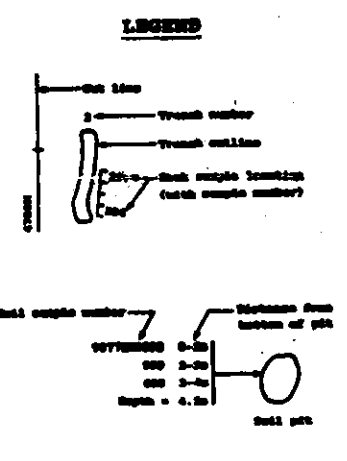
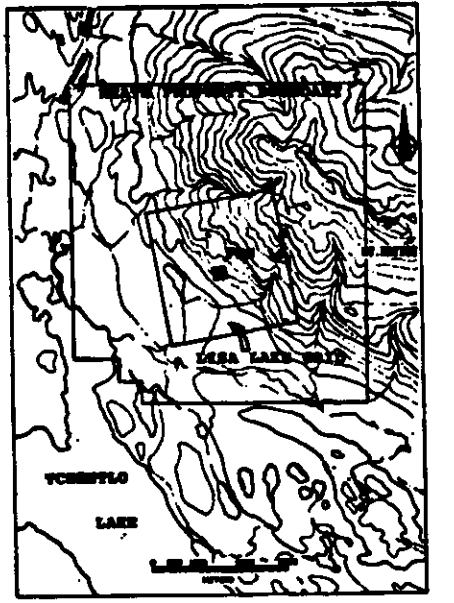
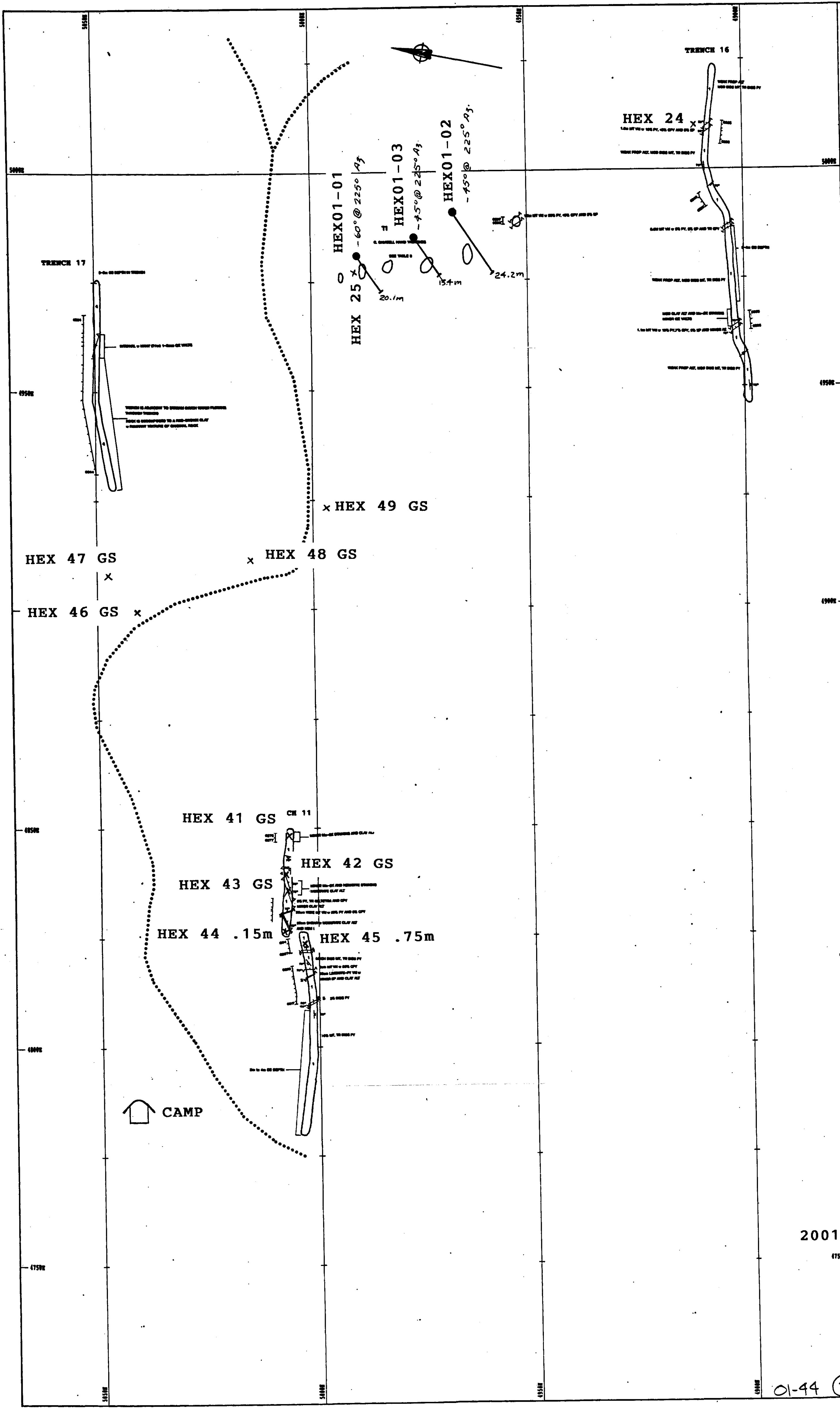
2001 PROSPECTING PROGRAM

HEATH PROJECT

OMINECA MINING DIVISION-BRITISH COLUMBIA
MYS 93M/6E

SAMPLE LOCATIONS

Revised Jan, 2002
(Signature)



- SYMBOLS FOR DATA**
- Sample (approximately) positive observation
 - Sample (approximately) positive observation
 - Positive and false
 - Unconformable about horizon
 - Low-angle dip
 - Moderate primary dip
 - Moderate dip
 - Pale dip
 - Unconformable
- SYMBOLS FOR SITE**
- Drill hole
 - x Sample site
 - Road

2001 PROSPECTING PROGRAM

COLIN CAMPBELL
HEATH PROJECT
LISA LAKE GRID
ONTARIO MINING DIVISION
MONTREAL, QUEBEC
973-938/68

DRILL HOLES
ROCK SAMPLES

SCALE: 1:500
DATE: JANUARY, 02
DRAWN BY: J.S.B. / Revised
CHECKED BY: L.L.P. / JSC
FIGURE 14

01-44 (2)