

86-979-15637

GEOCHEMICAL ASSESSMENT REPORT

ON THE

EPIC CLAIM (2750)

NTS Sheet 092 F 3 West

ALBERNI MINING DIVISION

BRITISH COLUMBIA

49° 2.5'  
125° 28'

FOR

GEO P.C. SERVICES INC.

Suite 13 - 1155 Melville Street

Vancouver, British Columbia

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

15,637

FILMED

*R. Tim Henneberry*  
R. Tim Henneberry, FGAC  
Consulting Geologist  
February 3, 1987

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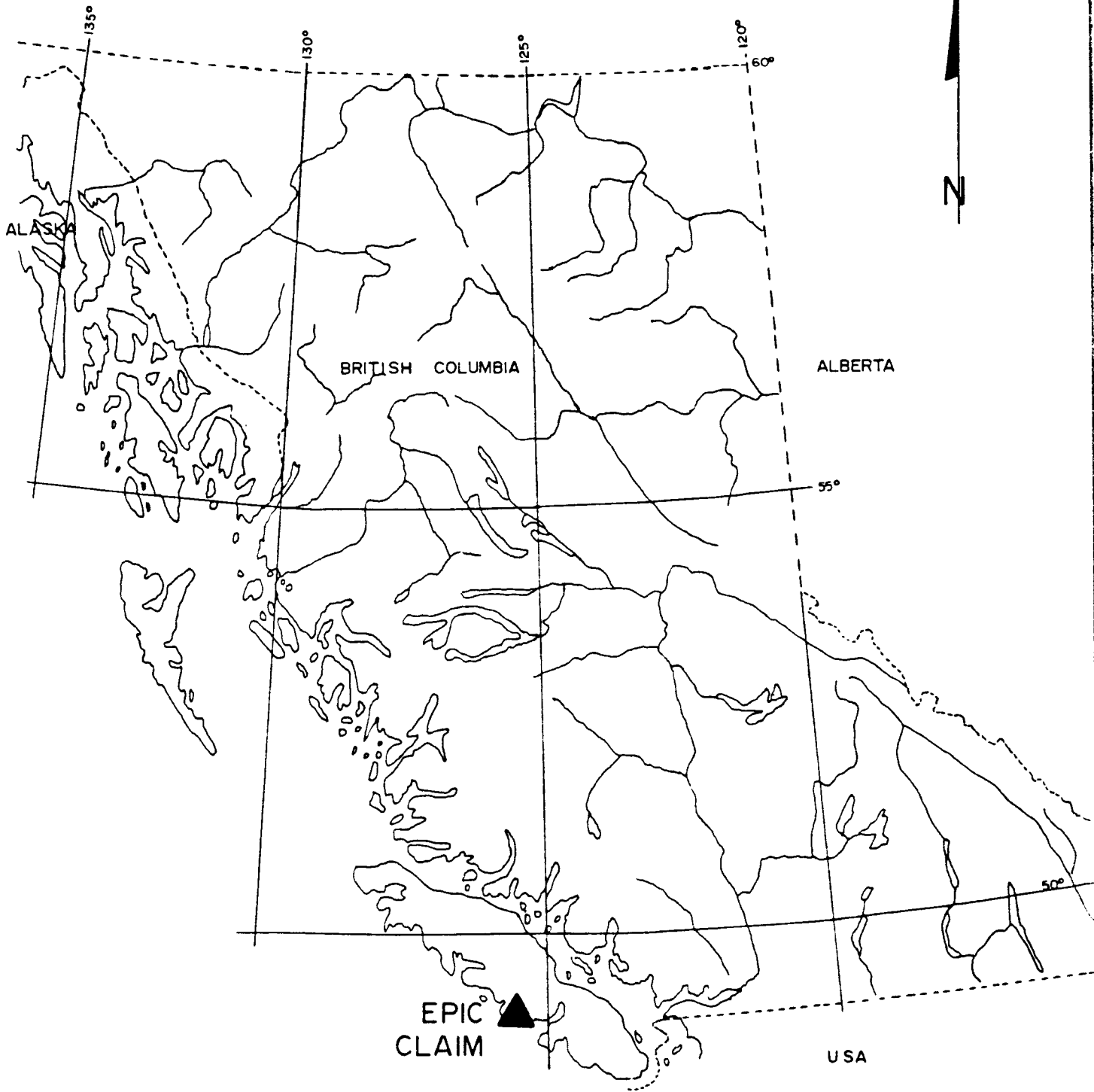
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## INTRODUCTION

The Epic claim (2750), consisting of 16 units, is located in the Alberni Mining Division of Vancouver Island (Figure 1). It is presently under option to Aintree Resources Limited of Vancouver from Geo P.C. Services Inc. An exploration program consisting of line cutting, and geochemical sampling was undertaken on the Epic Claim. The purpose of the survey was to test the Quatsino Limestone - Catface quartz diorite contact for skarn or bulk tonnage gold mineralization. Though this survey failed to locate a bulk tonnage or skarn zone, two distinct anomalies were identified. Anomaly A gave responses in 6 of the 10 elements plotted. This is a linear anomaly striking 340 degrees. A second anomaly exhibited responses in Ag, Pb, Ni and to a lesser extent Au. The nature of this anomaly is not presently explained. Indicator elements appear to be Au, Ag, Hg and to a lesser extent Pb. Geological mapping and hand trenching is recommended to test both anomalies.



EPIC  
CLAIM

### PROPERTY LOCATION

DR. BY: RTH

SCALE:

DATE: JANUARY, 1987

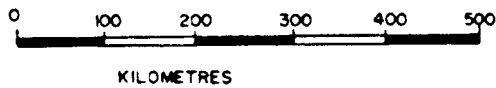
APPRD. BY:

CHK'D. BY:

REV.:

DWG. NO.

FIGURE 1



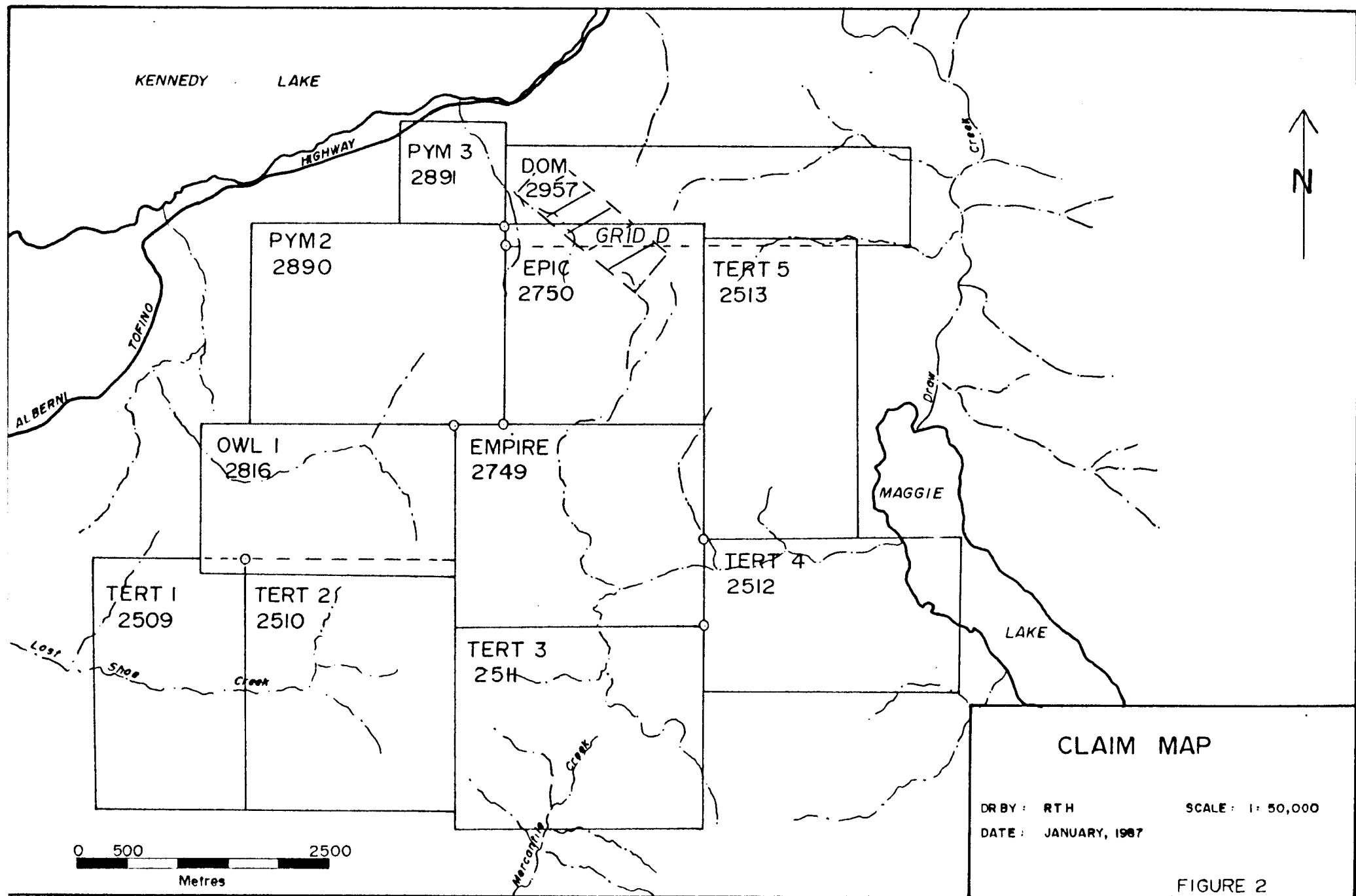
## LOCATION, ACCESS

The Epic Claim is located immediately east and south of Kennedy Lake, on the west coast of Vancouver Island (Figure 2). Ucluelet is the nearest settlement, 14 road kilometres to the southwest. Extensive logging in the general claim area has resulted in an excellent network of logging roads, accessing all parts of the claim. Access is provided to these logging roads from the Alberni - Tofino Highway (#4).

Topography in the claim area is comprised of a series of peaks and valleys, the highest of which is Salmonberry Mountain, at 725 metres above sea level. This ranges to 40 metres above sea level on the coastal plain on the north and west sides of the block. Precipitous cliffs are found on the north and west sides of Salmonberry Mountain and the west side of Mount Dawley. Elsewhere foot traverses are quite feasible.

Much of the claim area lies in an active logging area, resulting in only selected stands of timber remaining at the highest elevations. Lower slopes are poorly to completely overgrown with alders, resulting in local areas of the claims being difficult to traverse.

A large percentage of road work cuts bedrock, indicating overburden is relatively shallow.



## PREVIOUS EXPLORATION

Although several small gold camps were located during the 1930's in the general area (ie. Kennedy Lake, Bedwell River and Herbert Arm) (Figure 3), prospecting for gold was not documented in the claim area until the late 1970's when an geologist with B.P. Minerals took a silt sample from a creek draining the area. This sample returned an anomalous gold value, and lead to a regional silt geochemistry survey. The resulting anomalous area was staked as the Mowgli Group. The present Epic claim covers a section of the Mowgli Group.

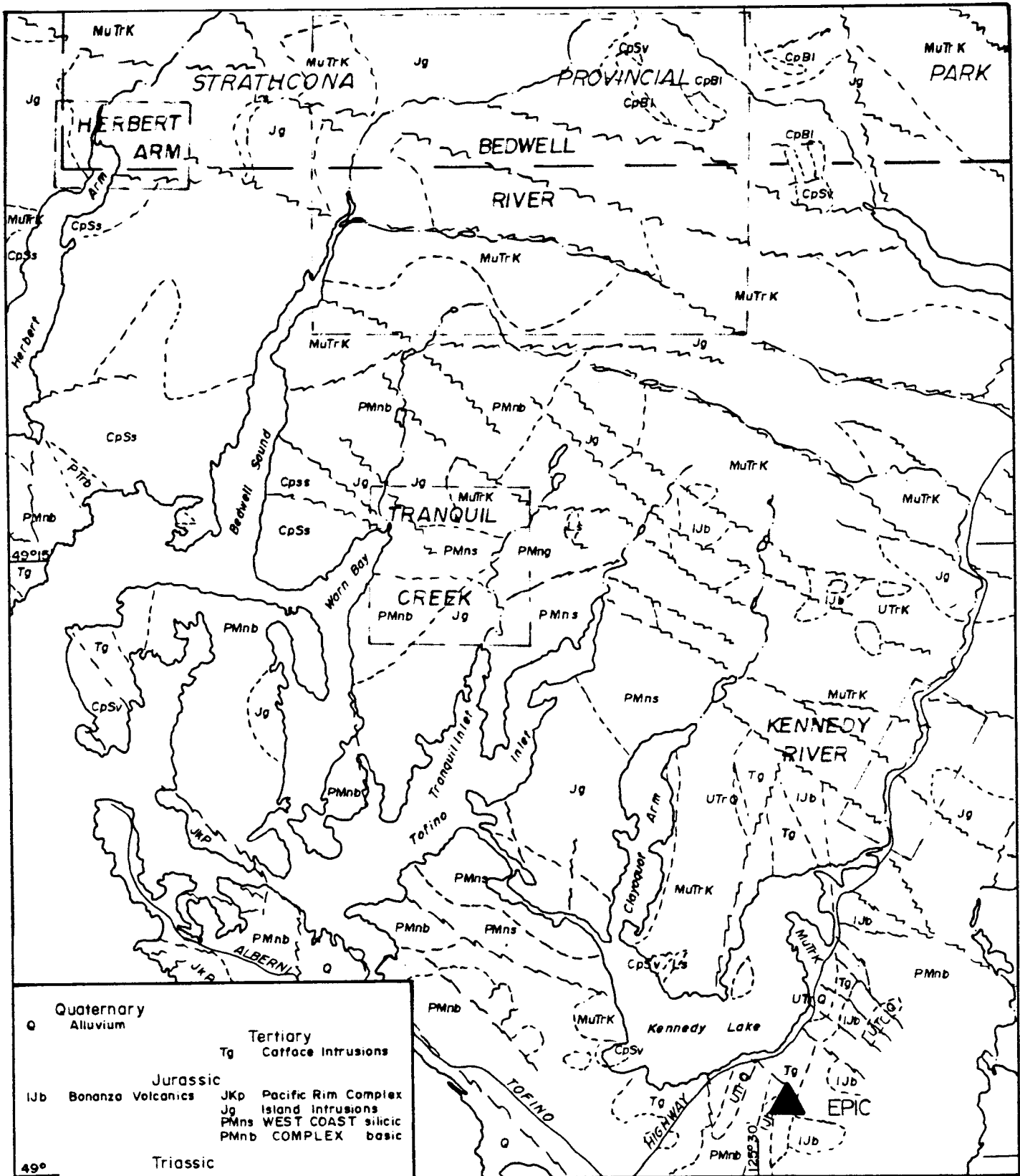
During the (1979 - 1980) period, B.P. Minerals Limited directed an exploration program aimed at locating a bulk tonnage low grade gold deposit within the limey sediments of the Parsons Bay Formation on the Mowgli claims. This program identified numerous coincidental silt, soil and rock geochemical gold anomalies that did not appear to fit the bulk tonnage model. A number of these anomalies were located on the Epic Claim. B.P. concluded that the numerous gold anomalies were related a Tertiary quartz diorite.

Financial constraints in the early 1980's necessitated the eventual dropping of the claim group by B.P. with Geo P.C. Services Inc. eventually acquiring the Epic Claim. This report describes Geo P.C.'s exploration program.

REGIONAL GEOLOGY  
(Summarized from Muller, 1986)

The Kennedy Lake area (Figure 3) is underlain by rocks of the Vancouver and Bonanza Groups, intruded by rocks of the Island Intrusions and Catface Intrusions. The limey sediments of the Parsons Bay Formation and the limestone of the Quatsino Formation comprises the Vancouver Group. Andesitic flows and tuffs form the Bonanza Group. The Jurassic Island Intrusions are predominantly quartz - dioritic to granodioritic in composition. The Tertiary Catface Intrusions are generally quartz - dioritic to monzonitic. A large sheet of basaltic to rhyolitic tuff of suspected Tertiary age has recently been documented to the south of the Epic Claim.





Q Quaternary  
 Alluvium  
 Tertiary  
 Tg Calface Intrusions  
 Jurassic  
 IJb Bonanza Volcanics JKp Pacific Rim Complex  
 Jg Island Intrusions  
 PMns WEST COAST silic  
 PMnb COMPLEX basic  
 Triassic

UTRQ Quatsino Formation PTb Diabase Sills  
 MuTrK Karmutsen Formation  
 Pennsylvanian and Permian  
 CpB1 Buttle Lake Formation  
 CpSs Sediments  
 CpSv Volcanics

FROM: MULLER, 1977



**KENNEDY LAKE**  
 REGIONAL GEOLOGY  
 DR BY : R T HENNEBERRY SCALE : 1 : 250,000  
 DATE : NOVEMBER, 1986  
**FIGURE 3**

## 1986 EXPLORATION PROGRAM

The 1986 exploration program was initiated to follow through on one of Hoffman's recommendations. The purpose was to explore for a potential bulk tonnage zone within the Quatsino limestone. To this end a baseline of 1400 metres was cut at 135 degrees. Cross lines were cut and flagged at 100 metre intervals. Sample stations were established at 25 metre intervals along the cross lines. Soil samples were taken from the "B" horizon at the sample stations. A 30 element ICP analysis was performed on the soil samples. Plots were made for Au, Ag, As, Hg, Pb, An, Ni, Mn, Mg and Fe.

The grid is actually located on both the Epic and DOM (2957). Actual breakdowns are as follows : 950 metres of baseline is located on the Epic claim, with 450 metres located on the DOM claim; 2450 metres of cross lines are located on the Epic claim, with 1950 metres located on the DOM claim; and 99 soil samples were taken on Epic, with 81 soil samples taken on DOM for a total of 180 samples.

## DISCUSSION OF RESULTS

The soil geochemistry results are interesting, though a bulk tonnage gold zone was not identified. A distinct linear anomaly, in the centre of the grid, was identified by the Au, Ag, Hg, Pb, Zn and Ni. A cluster anomaly, in the north west of the grid, was identified by Ag, Pb and Ni. Single element anomalies of As and Hg were also identified on the soil grid.

### Gold (Figure 4a) :

Gold values ranged from 1 to 370 ppb, with values above 20 ppb considered anomalous. The gold geochemistry highlighted a definite linear zone, Anomaly A, striking 340 degrees. Unfortunately, neither a potential bulk tonnage zone nor a potential skarn zone were located.

### Silver (Figure 4b):

The silver values range from 0.1 to 1.0 ppm, with values above 0.5 ppm considered anomalous. Silver also highlights the linear anomaly. A cluster of silver values is also located on the northwest end of the grid. A 370 ppb gold value is also located in this area.

### Arsenic (Figure 4c) :

Arsenic values range from 1 to 156 ppm, with values above 40 ppm considered anomalous. A large cluster of arsenic values is located on the south east corner of the grid. This cluster may represent an intrusive / limestone contact. The linear anomaly was not identified in the arsenic geochemistry.

### Mercury (Figure 4d) :

Mercury values range from 1 to 420 ppb, with values above 250 ppb considered anomalous. The linear anomaly has been located with mercury. A second linear anomaly, approximately perpendicular to Anomaly A has also been identified. A cluster of anomalous values, suggesting a third linear structure striking 350 degrees, is located on lines 9 to 12.

### Lead (Figure 4e) :

Lead values range from 1 to 41 ppm, with values above 20 ppm considered anomalous. Anomaly A was located by the lead. A large cluster of anomalous values is also located in the extreme north west of the grid, in the same area as the cluster of anomalous silver values. This anomaly does not appear to have a linear character.

### Zinc (Figure 4f) :

Zinc values range from 1 to 887 ppm, with values above 220 ppm considered anomalous. Anomaly A was located by the zinc. No anomalous values were associated with the north west end of the grid. Sporadic Zn values were also located along the top (the eastern end) of lines 4 to 7. These anomalous values were not reflected by any of the other elements.

Nickel (Figure 4g) :

Nickel values range from 1 to 59 ppm, with values above 20 ppm considered anomalous. Anomaly A was located by the nickel. Again, a large cluster of anomalous values is located on the north west end of the grid.

Manganese (Figure 4h) :

Manganese values range from 91 to 8168 ppm, with values above 1000 ppm considered anomalous. The anomalous values do not correlate with any of the other elements, suggesting Mn is a poor indicator element.

Magnesium (Figure 4i):

Magnesium values range from 0.1 to 2.79 %, with values above 0.5 % considered anomalous. The anomalous values do not correlate with any of the other elements, suggesting Mg is a poor indicator element. The percentages of Mg suggest the Quatsino limestone contains a large percentage of dolomite.

Iron (Figure 4j) :

Iron values range from 2.42 to 9.28 %, with values above 5 % considered anomalous. The anomalous values do not correlate with any of the other elements, suggesting Fe is a poor indicator element.

## CONCLUSIONS AND RECOMMENDATIONS

Generally, the geochemical responses on this soil grid were good. Au, Ag and Hg, and to a lesser extent Pb and Ni seem to be the best indicator elements. The non-correlation of Au and As is interesting. Au seems to have a closer affinity to Hg, Ag and Pb in this instance.

The most important anomaly located is anomaly A. This suspected linear zone has been identified by 6 different elements. Geological mapping and hand trenching is recommended to explain this zone.

The cluster anomaly located in the north west section of the grid also requires a closer look. Again geological mapping and hand trenching are recommended.

The soil survey has indicated the Quatsino limestone is not a favorable host for a bulk tonnage gold deposit on this property.

## REFERENCES

Hoffman, S.J. (1981). Geological and Geochemical Assessment of the Mowgli 1 - 6 Claims. B.P. Minerals Limited private report.

Muller, J.E. (1977). Geology of Vancouver Island. Geological Survey of Canada Open File Map 463.

Muller, J.E. (1986). Geological map and notes of the Epic Property of Aintree Resources Limited. Geo P.C. Services Inc. private report.

STATEMENT OF QUALIFICATIONS

I, R. Tim Henneberry, am a consulting geologist residing at 4054 Dundas Street, Burnaby, B.C.

I earned a Bachelor of Science Degree majoring in geology from Dalhousie University, graduating in May, 1980.

I have practised my profession continuously since graduation.

I am a Fellow of the Geological Association of Canada.

This report is based a geochemical survey carried out from August 15 to August 24, 1986 under the direction of E. Schiller, P.Eng. The author subsequently undertook a mapping program in December, 1986. The mapping program is not included in the work filed for assessment for 1986.



R. Tim Henneberry, FGAC  
Consulting Geologist  
November 30, 1986

BREAKDOWN OF COSTS

Personnel		
Geologists		
James Weatherill	10 days at \$130.00 per day	1300.00
Warren Robb	10 days at \$130.00 per day	1300.00
Accommodation		
	\$25.00 per man per day	250.00
Analysis		
	180 samples at \$9.00 per sample	1620.00
Documentation		
Geologist		
R.T. Henneberry	2.5 days at \$200.00 per day	500.00
	Photocopy and blueprint	30.00
TOTAL D GRID COST		5000.00

D GRID COST BREAKDOWN

EPIC CLAIM	2500.00
DOM CLAIM	2500.00



GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-MNH3 H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN, FE, CA, P, CR, Hg, BA, TI, B, AL, NA, P, W, SI, ZR, CE, SN, Y, NB AND LA. AU DETECTION LIMIT BY ICP IS 3 PPM. - SAMPLE TYPE: SOILS - BONESH AUR ANALYSIS BY AA FROM 10 GRAM SAMPLE. Hg ANALYSIS BY FLEAMESS AA.

DATE RECEIVED: SEPT 19 1986 DATE REPORT MAILED: Sept 25/86 ASSAYER: R. J. ... DEAN: T. ...

GEO P.C. SERVICES PROJECT: ANTREE FILE # 02 2751 PAGE 1

Table with columns: SAMPLE#, Mo, Cu, Pb, Zn, Ag, Ni, Co, Mn, Fe, As, U, Au, Th, Sr, Cd, Sb, Bi, V, Cr, P, La, Ce, Er, Ag, Ba, Ti, B, Al, Na, K, W, Au, Hg. Rows list various sample numbers and their corresponding element concentrations in PPM.

GEO. P.C. SERVICES PROJECT ANTWERP FIELD NO. 100-2751

FIELD NO.

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Mt	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	N	Au1	Hg
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	I	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	Z	Z	PPM	PPM	Z	PPM	Z	PPM	Z	Z	Z	PPM	PPM	PPM
L3 0+50N	1	13	12	40	.1	6	6	175	5.09	10	5	ND	4	6	1	2	2	86	.15	.055	11	27	.38	20	.13	5	4.10	.01	.02	1	1	200
L3 0+25N	1	12	12	42	.3	4	5	179	5.80	15	5	ND	2	8	1	2	2	123	.76	.046	9	29	.21	14	.22	5	2.49	.01	.02	1	1	150
L3 0+00N	2	8	20	20	.3	4	5	164	7.16	19	5	ND	2	6	1	2	2	134	.20	.056	11	23	.17	10	.30	2	1.87	.01	.03	1	2	190
L4 4+00N	8	262	14	450	1.0	8	23	935	8.55	147	8	ND	1	11	1	2	5	87	.92	.013	20	106	.53	16	.07	5	4.10	.01	.02	1	8	120
L4 3+75N	3	132	12	417	.6	13	17	1139	4.97	87	5	ND	1	8	1	3	2	66	1.26	.241	13	46	.40	12	.10	15	2.92	.01	.02	1	66	140
L4 3+50N	4	21	12	72	.6	5	5	476	4.86	31	5	ND	1	6	1	4	2	95	.61	.081	8	23	.10	8	.25	2	1.45	.01	.02	1	21	180
L4 3+25N	1	26	17	61	.4	8	6	329	5.45	25	5	ND	1	7	1	2	2	119	.35	.073	10	27	.19	12	.17	5	2.21	.01	.02	1	18	170
L4 3+00N	1	4	5	12	.2	2	2	197	2.11	9	5	ND	1	5	1	2	2	59	.55	.018	6	8	.04	6	.10	2	.74	.01	.01	1	4	60
L4 2+75N	1	26	17	54	.2	11	6	217	5.84	15	5	ND	2	9	1	3	2	112	.24	.046	10	31	.33	16	.18	3	2.53	.01	.02	1	38	140
L4 2+50N	1	35	9	80	.2	12	8	306	6.14	18	5	ND	2	10	1	2	2	112	.27	.051	12	39	.45	19	.23	3	3.14	.01	.03	1	13	210
L4 2+25N	1	43	6	102	.3	12	9	317	4.60	19	5	ND	3	10	1	2	2	81	.30	.090	10	45	.49	16	.22	4	4.47	.01	.03	1	6	220
L4 2+00N	1	57	4	125	.3	17	11	517	2.99	15	5	ND	1	12	1	2	2	56	.63	.103	9	31	.58	22	.13	4	3.16	.01	.03	1	19	110
L4 1+75N	1	43	10	122	.3	14	9	373	3.64	22	5	ND	1	8	1	2	2	66	.37	.181	9	46	.46	15	.16	6	4.89	.01	.02	1	5	160
L4 1+50N	1	64	8	166	.2	16	14	973	3.44	21	5	ND	1	14	1	2	2	58	.82	.154	11	28	.56	30	.13	4	3.15	.01	.03	1	12	120
L4 1+25N	2	44	19	73	.2	28	16	697	4.23	23	5	ND	2	15	1	2	2	76	.36	.115	9	39	.41	28	.18	5	3.43	.02	.04	1	3	180
L4 1+00N	1	9	13	29	.2	7	5	190	3.98	15	5	ND	1	7	1	2	2	83	.18	.058	8	18	.19	14	.12	2	1.91	.01	.02	1	2	170
L4 0+75N	1	12	14	36	.1	9	6	213	3.85	10	5	ND	2	9	1	2	2	60	.19	.027	10	17	.57	29	.18	3	2.27	.01	.02	1	1	160
L4 0+50N	1	22	13	52	.3	9	6	282	3.95	13	5	ND	3	8	1	2	2	71	.19	.066	10	26	.52	24	.17	4	3.88	.01	.02	1	2	200
L4 0+25N	1	13	12	25	.3	3	4	212	4.89	8	5	ND	2	6	1	3	2	94	.13	.059	13	22	.19	11	.22	3	3.50	.01	.02	1	3	240
L4 0+10N	1	24	16	29	.3	8	7	411	6.49	18	5	ND	2	7	1	2	2	86	.17	.103	11	30	.33	17	.19	4	4.61	.01	.02	1	1	230
L5 3+70N	3	93	11	323	.8	13	29	2594	4.70	51	5	ND	1	7	1	2	2	125	.61	.174	17	67	.29	12	.23	6	4.30	.01	.02	1	38	150
L5 3+50N	1	52	14	246	.4	13	28	2235	4.67	45	5	ND	1	8	1	2	3	72	.59	.335	11	54	.35	10	.10	8	3.29	.01	.02	1	33	270
L5 3+25N	1	55	13	164	.6	11	18	1767	5.39	42	5	ND	1	8	1	2	3	115	.53	.141	12	56	.22	12	.22	7	3.25	.01	.02	1	36	240
L5 3+00N	1	57	16	120	.2	15	15	1173	3.89	24	5	ND	1	12	1	2	2	74	.38	.106	11	36	.54	19	.17	6	2.85	.01	.03	1	39	140
L5 2+75N	1	47	12	165	.4	17	15	844	4.49	25	5	ND	1	11	1	2	3	68	.43	.237	9	46	.59	20	.12	6	3.08	.01	.02	1	7	300
L5 2+50N	1	31	7	72	.2	12	9	490	4.72	15	5	ND	1	8	1	2	2	93	.26	.260	10	39	.37	18	.17	2	3.62	.01	.02	1	1	160
L5 2+25N	1	50	11	129	.1	18	12	599	4.79	18	5	ND	2	9	1	2	2	85	.30	.207	10	51	.60	22	.15	4	4.80	.01	.02	1	6	250
L5 2+00N	1	27	15	70	.3	9	11	794	5.68	20	5	ND	1	7	1	2	2	114	.35	.043	12	43	.31	14	.20	2	2.74	.01	.02	1	15	230
L5 1+75N	1	38	15	166	.2	16	13	895	3.92	18	5	ND	1	12	1	2	3	72	.52	.145	11	32	.60	26	.14	4	3.23	.02	.03	1	6	170
L5 1+50N	1	7	4	23	.2	7	4	170	4.12	2	5	ND	1	6	1	2	2	88	.11	.061	9	13	.15	12	.14	2	2.57	.01	.02	1	1	250
L5 1+25N	1	17	9	47	.5	9	7	353	5.76	5	5	ND	2	8	1	2	2	85	.17	.093	11	22	.41	24	.20	4	3.07	.01	.03	1	1	360
L5 1+00N	1	10	15	36	.1	8	5	290	3.65	3	5	ND	1	7	1	2	2	74	.16	.063	7	14	.26	14	.14	2	2.11	.01	.02	1	1	230
L5 0+75N	1	10	17	34	.2	6	6	327	5.31	11	5	ND	2	7	1	2	2	99	.19	.043	9	21	.27	15	.21	6	2.15	.01	.02	1	33	190
L5 0+50N	1	12	11	30	.1	7	6	245	5.02	18	5	ND	2	9	1	2	2	81	.20	.057	8	20	.44	21	.18	2	2.03	.01	.03	1	4	330
L5 0+25N	1	15	22	36	.1	9	7	1188	3.20	15	5	ND	1	13	1	2	2	62	.26	.096	6	18	.39	26	.14	6	1.77	.01	.03	1	1	240
L5 0+00N	2	17	10	31	.2	7	7	777	5.02	14	5	ND	2	8	1	2	2	87	.17	.088	9	27	.41	17	.23	4	2.75	.01	.02	1	1	420
STD C/AU-5	21	57	38	133	7.0	69	30	1014	3.95	40	18	7	33	49	17	17	20	62	.46	.104	39	59	.88	183	.08	34	1.73	.06	.13	13	52	1400

GEO. P.C. SERVICES PROJECT: RETREY FILE # BG-10751

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Mn PPM	Co PPM	Ni PPM	Fe %	As PPM	U PPM	Kr PPM	Rb PPM	Sr PPM	Ca PPM	Sc PPM	Y PPM	Zr PPM	Nb PPM	Mo PPM	Co PPM	Cd PPM	Cr PPM	Hg PPM	Pb PPM	Bi PPM	Se PPM	Br PPM	I PPM	Te PPM	Sn PPM	Cl PPM	Na PPM	K PPM	Mg PPM	Al PPM	S PPM	Ca PPM	Mn PPM	Fe PPM	Pb PPM
L6 3+50N	2	130	12	887	.2	48	33	2473	4.49	40	7	ND	1	27	2	2	9	86	1.18	.342	12	46	.26	36	.11	4	2.71	.01	.01	1	22	60									
L6 3+00N (A)	1	17	14	67	.6	4	4	522	4.74	25	5	ND	1	7	1	2	6	120	.91	.686	3	18	.08	7	.29	2	.95	.01	.02	1	5	90									
L6 3+00N (B)	2	22	16	284	.3	12	14	1676	4.55	43	5	ND	1	16	1	2	5	108	1.00	.195	1	37	.46	10	.11	2	2.02	.01	.02	1	9	120									
L6 2+75N	1	12	9	62	.5	8	6	775	4.61	16	6	ND	1	10	1	2	3	86	.46	.077	5	21	.31	14	.16	2	1.78	.01	.03	1	2	200									
L6 2+50N	2	41	16	230	.6	10	35	1154	5.32	47	7	ND	1	18	1	2	22	98	.63	.374	5	67	.36	12	.11	1	3.23	.01	.03	1	320	60									
L6 2+25N	1	11	8	43	.2	4	8	1731	3.62	15	5	ND	1	9	1	2	4	92	.46	.133	4	26	.17	10	.15	2	1.12	.01	.03	1	16	130									
L6 2+00N	1	14	13	66	.5	8	7	1124	4.50	15	5	ND	1	10	1	2	3	97	.54	.089	4	32	.22	9	.16	2	1.82	.01	.02	1	2	200									
L6 1+75N	1	17	8	42	.2	5	5	606	3.24	10	5	ND	1	7	1	3	4	62	.17	.112	7	20	.15	13	.13	2	3.56	.01	.02	2	1	260									
L6 1+50N	5	52	25	203	.2	28	12	2560	4.81	21	10	ND	1	23	2	2	4	84	.54	.127	17	32	.21	29	.10	2	4.11	.04	.02	1	1	240									
L6 1+25N	2	23	10	100	.4	9	16	1917	5.53	34	6	ND	1	8	1	2	14	112	.52	.237	2	52	.21	10	.16	2	1.75	.01	.03	1	160	90									
L6 1+00N	1	9	13	22	.2	3	4	251	5.60	11	5	ND	1	8	1	2	3	107	.25	.052	5	17	.12	10	.17	2	1.45	.01	.02	1	1	140									
L6 0+75N	1	15	7	41	.1	5	5	301	4.18	13	5	ND	1	7	1	2	2	81	.23	.055	6	20	.22	10	.14	2	2.67	.01	.02	2	3	150									
L6 0+50N	1	8	14	28	.3	7	4	243	5.54	15	5	ND	2	8	1	2	2	110	.27	.063	4	20	.12	14	.22	2	1.36	.01	.02	2	1	120									
L6 0+25N	1	30	9	84	.1	14	9	538	3.66	28	5	ND	1	12	1	2	3	68	.28	.081	8	27	.03	30	.16	2	3.06	.01	.03	1	6	110									
L6 0+00N	1	18	12	49	.3	8	6	285	4.86	21	6	ND	2	7	1	3	4	93	.22	.052	7	23	.36	19	.19	2	2.62	.01	.03	2	4	160									
L7 3+00N	2	50	12	198	.8	11	17	1338	4.03	34	5	ND	1	10	1	2	6	89	.64	.192	8	40	.26	12	.15	4	2.30	.01	.02	1	8	240									
L7 2+75N	2	75	14	325	.4	13	22	1728	3.93	40	8	ND	1	10	1	3	7	90	.68	.168	7	48	.29	14	.14	5	3.39	.01	.02	1	12	200									
L7 2+50N	2	74	17	218	.3	11	18	1305	4.61	29	5	ND	1	12	1	2	4	92	.61	.365	7	53	.31	15	.13	6	3.38	.01	.02	1	7	200									
L7 2+25N	2	44	16	118	.4	11	15	1437	4.01	25	5	ND	1	9	1	2	5	91	.46	.186	6	36	.18	12	.15	2	2.40	.01	.02	1	23	230									
L7 2+00N	1	12	12	32	.2	6	4	262	4.13	14	5	ND	1	6	1	2	3	93	.30	.117	5	17	.13	7	.13	2	1.46	.01	.02	2	6	130									
L7 1+75N	1	30	6	142	.1	16	12	887	3.44	16	6	ND	3	12	1	2	6	58	.62	.101	7	22	.72	49	.13	2	3.16	.02	.03	1	5	60									
L7 1+50N	1	48	15	201	.1	19	15	1280	3.39	17	5	ND	2	25	1	2	4	57	1.01	.143	8	23	.92	61	.12	4	2.85	.02	.06	1	4	70									
L7 1+25N	1	33	8	110	.1	17	10	1667	2.83	10	5	ND	2	21	1	2	2	44	.59	.096	6	13	.93	60	.11	2	2.16	.03	.04	1	1	100									
L7 1+00N	1	73	11	275	.2	20	17	1434	3.00	26	5	ND	1	18	1	2	5	55	.99	.204	8	27	.66	36	.09	4	2.60	.02	.03	1	16	140									
L7 0+75N	1	52	11	212	.1	18	14	968	3.38	27	8	ND	2	12	1	2	6	59	.65	.122	7	31	.74	34	.13	3	3.14	.01	.04	1	6	130									
L7 0+50N	1	30	15	90	.1	10	7	776	2.84	18	7	ND	1	12	1	2	4	62	.39	.085	4	22	.37	19	.12	2	2.08	.01	.03	1	4	160									
L7 0+25N	1	11	6	21	.1	4	4	210	4.41	15	5	ND	2	7	1	2	2	106	.17	.047	5	19	.23	10	.23	2	1.79	.01	.01	1	1	180									
L7 0+00N	2	18	15	46	.5	10	5	158	4.55	21	5	ND	2	8	1	3	3	95	.17	.047	5	24	.36	15	.22	2	2.37	.01	.02	2	4	170									
STD C/AN-S	21	58	39	133	7.1	68	29	1082	3.96	41	20	8	33	47	16	15	21	62	.48	.109	35	54	.88	174	.08	33	1.73	.06	.14	15	50	1300									

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN, FE, CA, P, CR, MG, BA, TI, V, AL, NA, Y, Ni, SI, Zn, CE, SN, Y, Nb AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM. SAMPLE TYPE: SOILS - BURNESH AU ANALYSIS BY AA FROM 10 GRAM SAMPLE. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: SEPT 29 1986 DATE REPORT MAILED: Oct 9/86 ASSAYER: A. J. ... DEAN TOYE, CERTIFIED B.C. ASSAYER.

GEO P.C. SERVICES PROJECT - ERIC-D FILE # 86-2936

PAGE 1

Table with 30 columns representing elements (Mo, Cu, Pb, Zn, Ag, Ni, Co, Mn, Fe, As, U, Au, Th, Sr, Cd, Sb, Bi, V, Ca, P, La, Cr, Hg, Ba, Ti, B, Al, Na, K, N, Au, Hg) and 30 rows of sample data (L10 3+00M to L8 0+75M and STD CAU-S). Each cell contains numerical values representing concentrations in PPM or %.

GEO P.C. SERVICES PROJECT - EPIC D FILE # B6-0970

PAGE 2

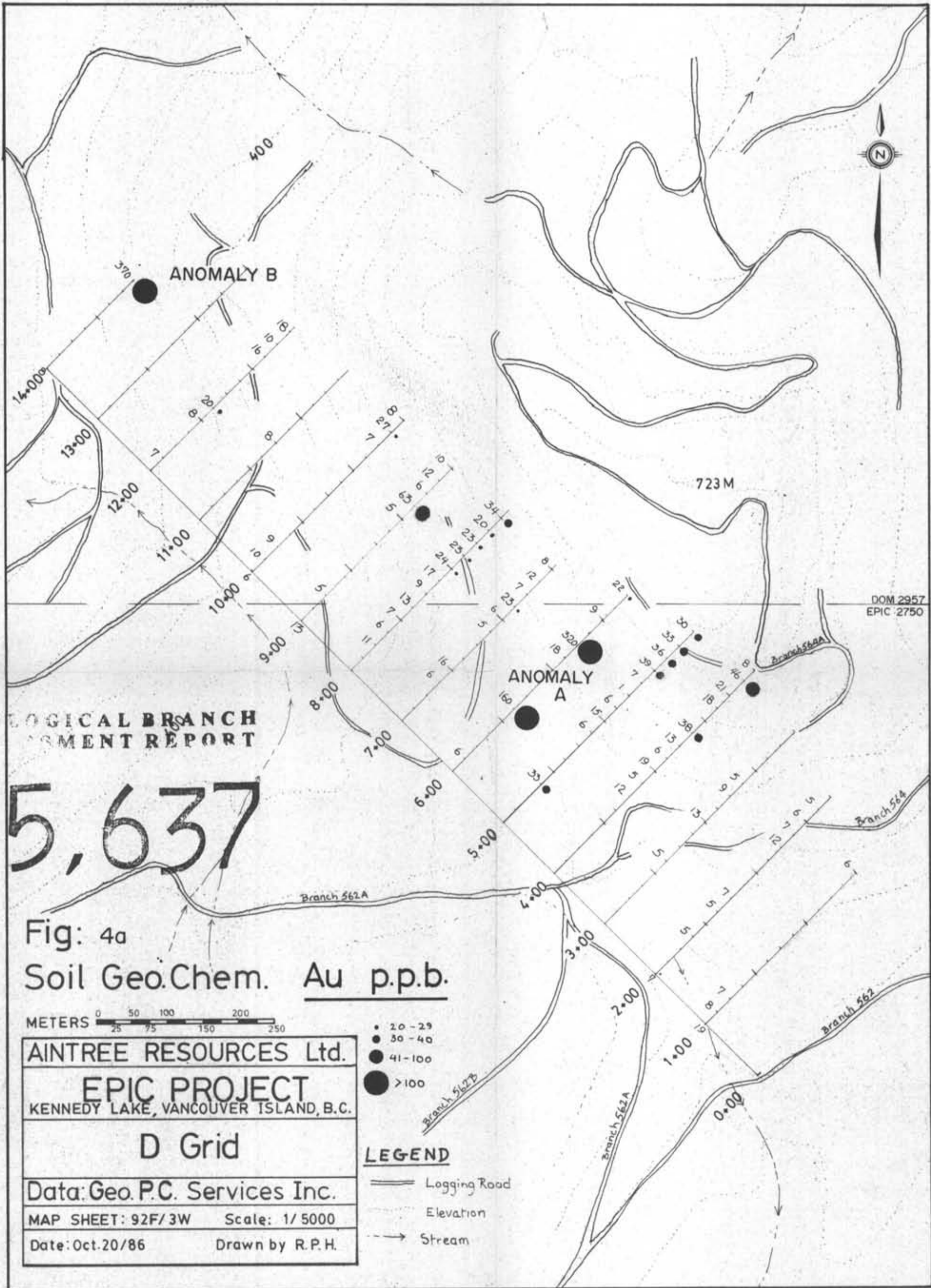
SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Se	Bi	V	Ca	P	La	Cr	Hg	Ba	Ti	b	Al	Na	F	N	AuI	Hg
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
LB 0+50N	1	42	13	152	.3	16	11	797	3.57	.22	6	ND	1	13	1	2	3	71	.56	.139	8	30	.53	24	.15	6	3.59	.02	.02	1	11	130
LB 0+25N	1	22	18	58	.2	7	4	188	4.61	26	5	ND	2	9	1	2	2	106	.32	.057	6	26	.21	13	.21	6	2.51	.01	.02	1	2	120
LB 0+00N	1	31	8	70	.1	11	8	508	2.78	21	5	ND	2	16	1	2	2	51	.48	.060	7	17	.79	37	.14	7	1.94	.02	.03	1	3	96



GEO P.C. SERVICES PROJECT: L14-1-111 W 06-1775

1/10/75

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Mn	Co	Mn	Fe	Ks	U	Ni	Ti	Sr	Cl	So	Bi	V	Ca	F	La	Cr	Mg	Ba	Li	B	K	Na	Si	W	Al	Py
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	L	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	L	L	PPM	PPM	L	PPM	L	PPM	L	L	L	PPM	PPM	PPM
L14 1+00W	3	69	20	68	.5	19	10	847	4.96	26	5	ND	1	12	1	11	5	128	.18	.099	4	45	1.02	30	.25	6	4.7	104	102	1	1	140
L14 0+75N	4	32	19	49	.6	15	9	1033	5.21	19	5	ND	1	14	1	10	6	117	.21	.045	2	35	1.86	30	.23	2	5.30	104	102	2	4	150
L14 0+50W	5	20	19	43	.4	9	5	269	6.10	24	5	ND	1	11	1	2	2	127	.14	.049	1	32	1.60	17	.19	5	10.7	105	102	1	1	10
L14 0+25N	5	18	19	37	.5	9	5	211	5.45	21	5	ND	1	11	1	5	3	127	.14	.044	3	30	1.47	15	.25	3	1.60	103	102	1	1	250
L14 0+00W	4	41	22	96	.3	19	11	713	5.04	30	5	ND	3	15	1	11	8	112	.16	.050	6	30	1.60	56	.27	1	5.76	104	102	5	6	70



DOM 2957  
EPIC 2750

LOGICAL BRANCH  
SMENT REPORT

**15,637**

Fig: 4a  
Soil Geo.Chem. Au p.p.b.

METERS 0 50 100 200 250

**AINTREE RESOURCES Ltd.**  
**EPIC PROJECT**  
KENNEDY LAKE, VANCOUVER ISLAND, B.C.

**D Grid**

Data: Geo. P.C. Services Inc.  
MAP SHEET: 92F/3W Scale: 1/5000  
Date: Oct. 20/86 Drawn by R.P.H.

● 20-29  
● 30-40  
● 41-100  
● >100

**LEGEND**  
— Logging Road  
- - - Elevation  
- - - Stream



15,637

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

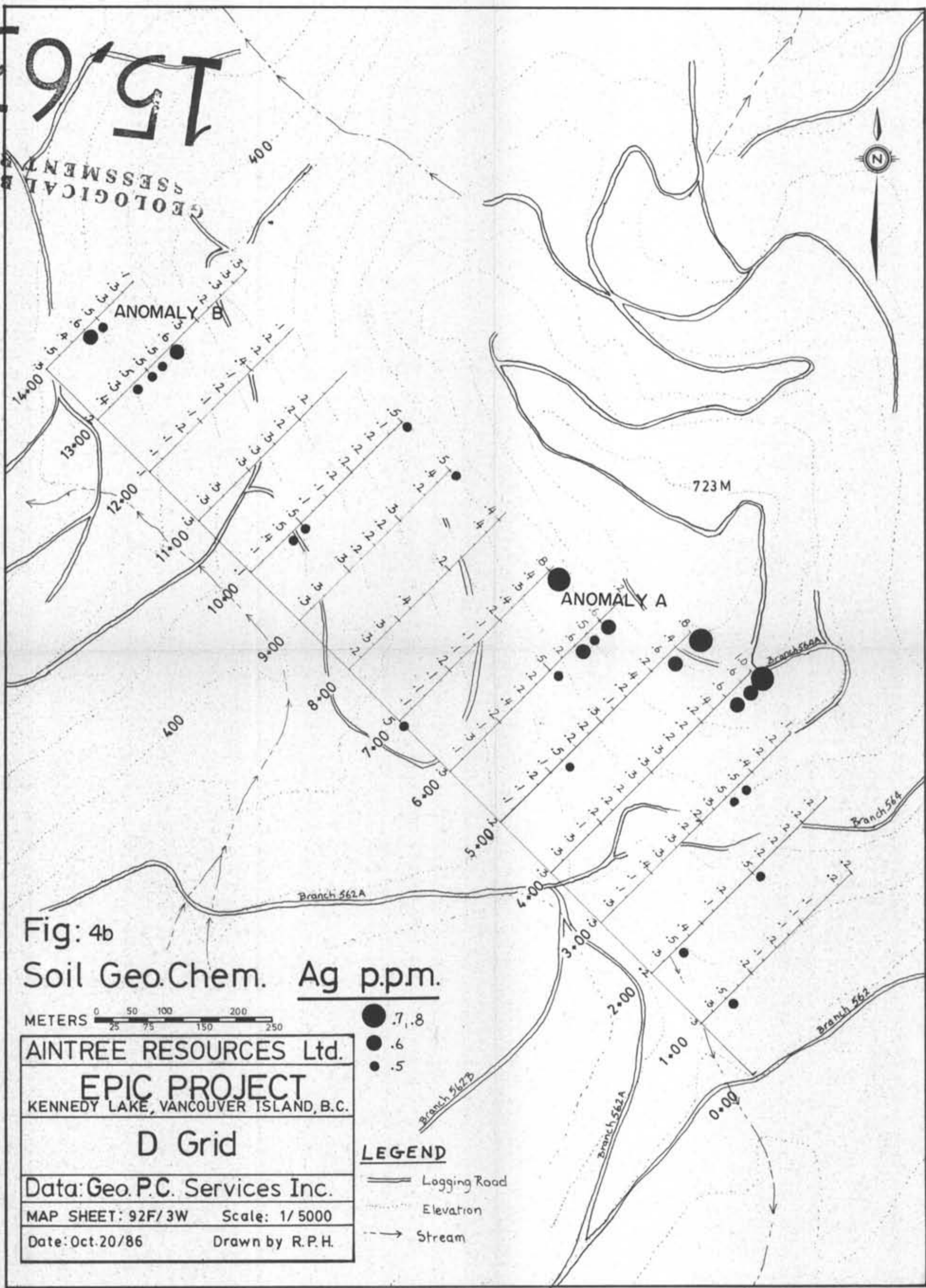


Fig: 4b  
Soil Geo.Chem. Ag ppm.

METERS 0 50 100 200 250  
25 75 150

AINTREE RESOURCES Ltd.  
EPIC PROJECT  
KENNEDY LAKE, VANCOUVER ISLAND, B.C.  
D Grid  
Data: Geo.P.C. Services Inc.  
MAP SHEET: 92F/3W Scale: 1/5000  
Date: Oct.20/86 Drawn by R.P.H.

● .7, .8  
● .6  
● .5  
**LEGEND**  
— Logging Road  
..... Elevation  
→ Stream

15,637

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

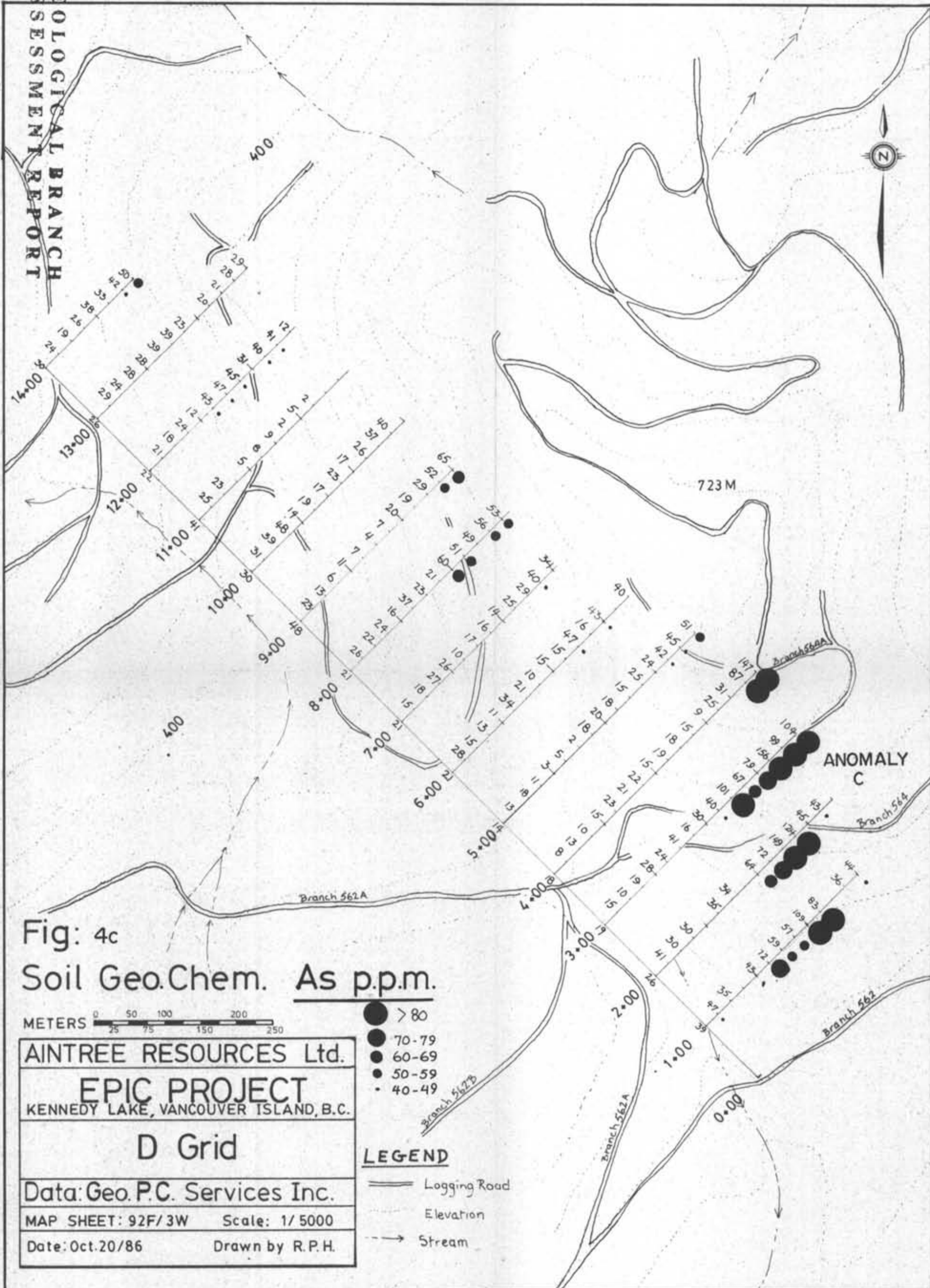


Fig: 4c

Soil Geo.Chem. As p.p.m.

METERS 0 50 100 150 200 250

AINTREE RESOURCES Ltd.

EPIC PROJECT  
KENNEDY LAKE, VANCOUVER ISLAND, B.C.

D Grid

Data: Geo. P.C. Services Inc.

MAP SHEET: 92F/3W Scale: 1/ 5000

Date: Oct. 20/86 Drawn by R.P.H.

- > 80
- 70-79
- 60-69
- 50-59
- 40-49

**LEGEND**

- Logging Road
- - - Elevation
- Stream

15,637

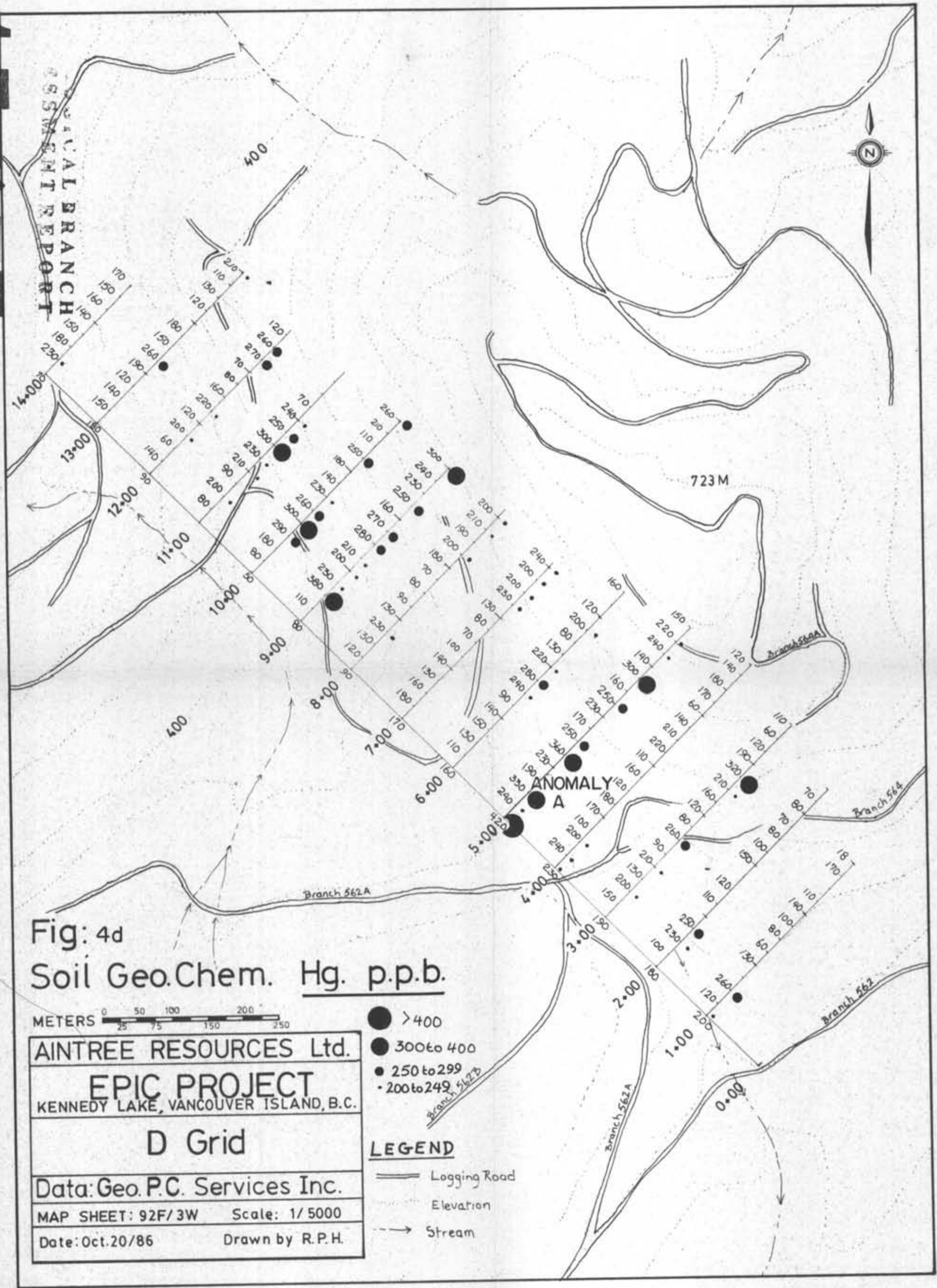


Fig: 4d  
Soil Geo.Chem. Hg. p.p.b.

METERS 0 50 100 150 200 250

AINTREE RESOURCES Ltd.  
**EPIC PROJECT**  
 KENNEDY LAKE, VANCOUVER ISLAND, B.C.  
**D Grid**  
 Data: Geo.P.C. Services Inc.  
 MAP SHEET: 92F/3W Scale: 1/ 5000  
 Date: Oct.20/86 Drawn by R.P.H.

- LEGEND**
- > 400
  - 300 to 400
  - 250 to 299
  - 200 to 249
  - Logging Road
  - Elevation
  - - - - - Stream

15,637

GEOLOGICAL BRANCH  
 REPORT

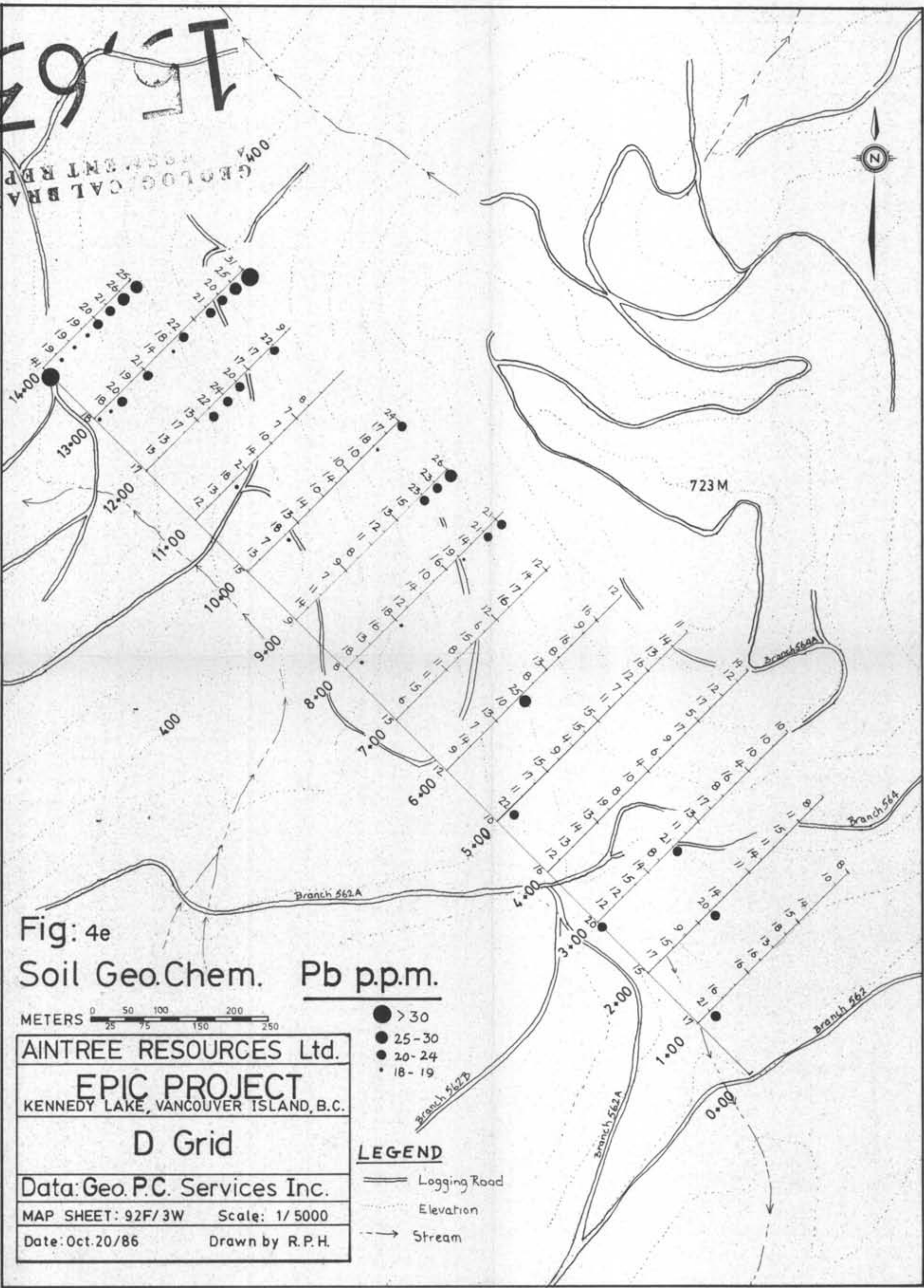


Fig: 4e  
 Soil Geo.Chem. Pb p.p.m.

METERS 0 50 100 150 200 250

AINTREE RESOURCES Ltd.  
**EPIC PROJECT**  
 KENNEDY LAKE, VANCOUVER ISLAND, B.C.  
**D Grid**  
 Data: Geo.P.C. Services Inc.  
 MAP SHEET: 92F/3W Scale: 1/5000  
 Date: Oct.20/86 Drawn by R.P.H.

- > 30
- 25-30
- 20-24
- 18-19

**LEGEND**  
 — Logging Road  
 ... Elevation  
 -> Stream

15,637

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

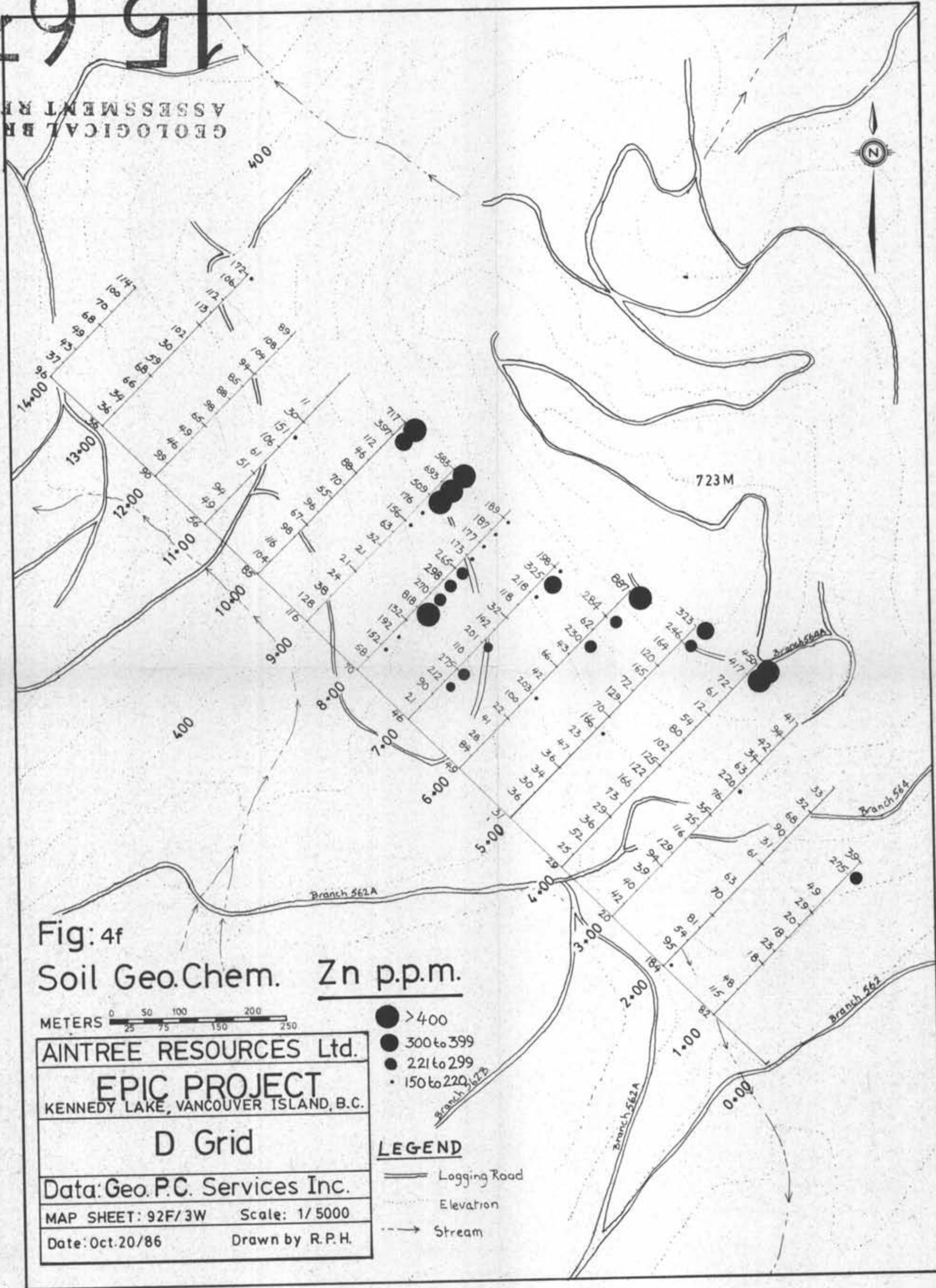


Fig: 4f  
Soil Geo.Chem. Zn p.p.m.

METERS 0 50 100 200 250

**AINTREE RESOURCES Ltd.**  
**EPIC PROJECT**  
 KENNEDY LAKE, VANCOUVER ISLAND, B.C.  
**D Grid**  
 Data: Geo.P.C. Services Inc.  
 MAP SHEET: 92F/3W Scale: 1/ 5000  
 Date: Oct.20/86 Drawn by R.P.H.

● >400  
 ● 300 to 399  
 ● 221 to 299  
 ● 150 to 220

**LEGEND**  
 — Logging Road  
 ... Elevation  
 - - - Stream

15,637

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

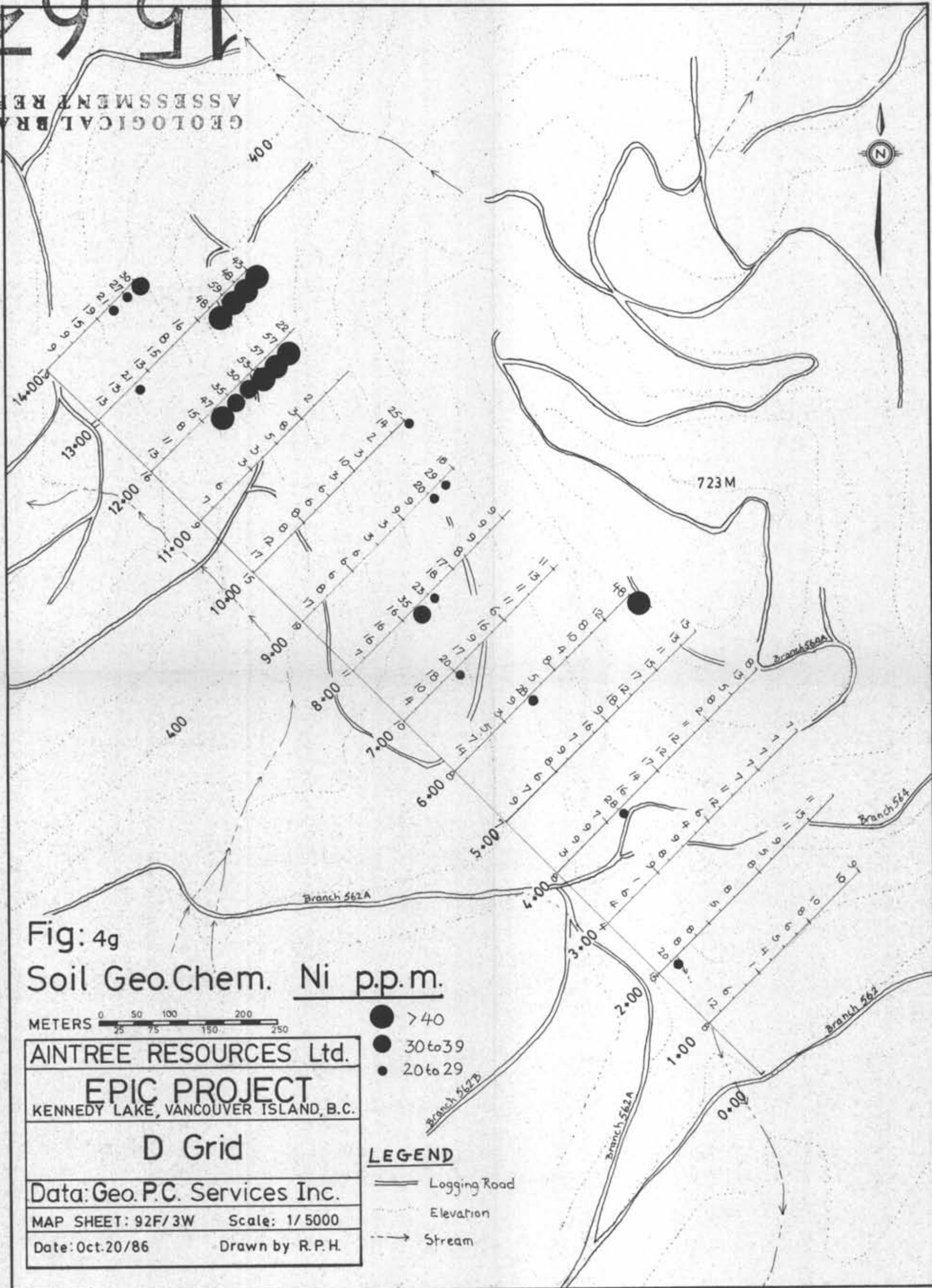


Fig: 4g

Soil Geo.Chem. Ni p.p.m.

METERS 0 50 100 200 250  
25 75 150

AINTREE RESOURCES Ltd.

EPIC PROJECT  
KENNEDY LAKE, VANCOUVER ISLAND, B.C.

D Grid

Data: Geo.P.C. Services Inc.

MAP SHEET: 92F/3W Scale: 1/5000

Date: Oct. 20/86 Drawn by R.P.H.

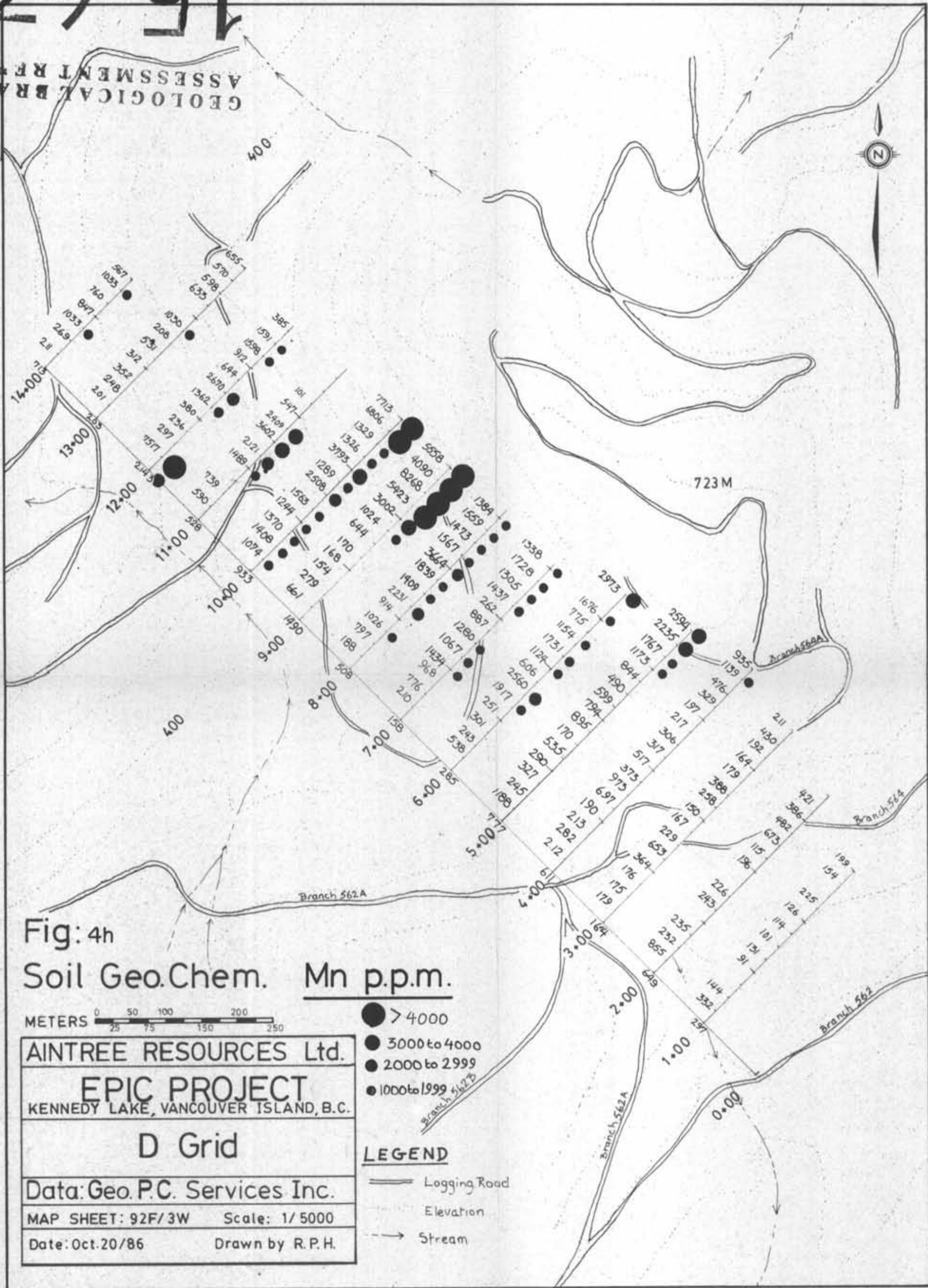
- >40
- 30 to 39
- 20 to 29

LEGEND

- Logging Road
- ... Elevation
- > Stream

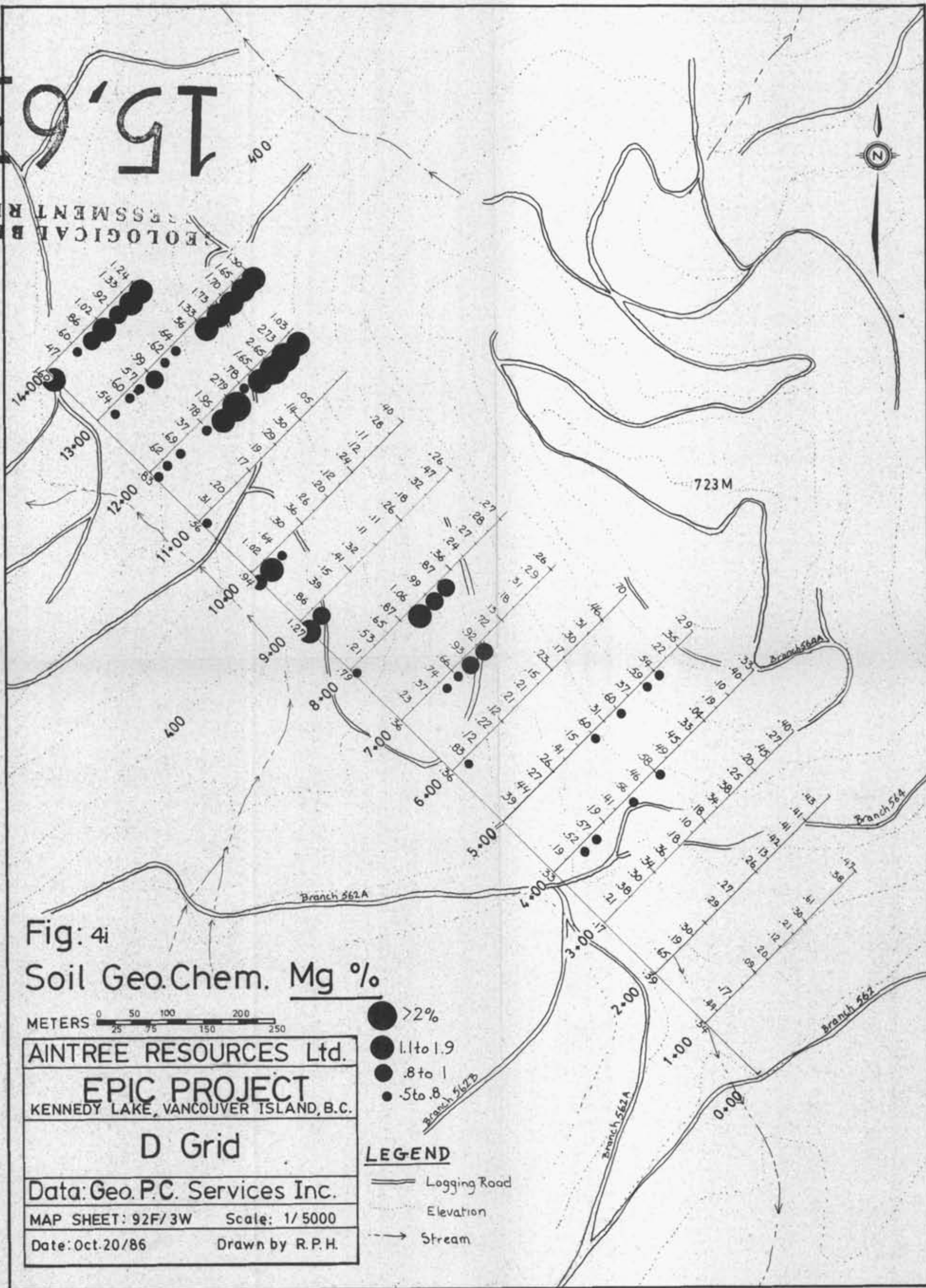
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GEOLOGICAL BRANCH  
ASSESSMENT REPORT



15,637

ECOLOGICAL BRANCH  
ASSESSMENT REPORT





15,637

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

