

85-268-
14153

FILMED

REPORT

on the establishment of a grid and work done
in the south-east corner
of EAGLE 4 claim

Victoria Mining Division

Map N.T.S. 92C/16

Latitude - $48^{\circ} 48' 54''$ Longitude - $124^{\circ} 18' 30''$

owner: Vincent Allan

Operator: Western Forest Industries

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

14,153

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SELKIRK COLLEGE



CASTLEGAR, B. C., CANADA

COMMUNITY EDUCATION SERVICES

THIS IS TO CERTIFY THAT

VINCENT ALLAN

HAS PARTICIPATED IN

"MINERAL EXPLORATION FOR PROSPECTORS"

156 Hour Course - May, 1981

Co-sponsored by the Ministry of Energy, Mines and Petroleum Resources;
the Ministry of Education; and Continuing Education, Selkirk College



A. J. Mac Shepherd
INSTRUCTOR/PROGRAM COORDINATOR

C. Helms
COMMUNITY EDUCATION

On B.C.F.P.'s main haul road from Gordon River to Honeymoon Bay, our geochemical and geophysical grid was set up approximately 19 km. from Honeymoon Bay

A bridge where Sutton Creek turns north and passes under the road was used to tie-in the main base station.

The main base station is approximately 35 metres southwest of the northwest end of the bridge, on the north side of the road at the parking area. One hundred metres north, station 3A is at U.T.M. grid reference 044070, N.T.S. map 92C/16.

The grid is in a triangular area surrounded by three steep bluffs and mostly runs over north-east bluff, on slopes of 30° plus.

The terrain is rough and made worse by the thinning of second growth which left debris to a height of 4' in the area.

The lines were run by compass, hip chain and 30 m. tape. Base line was cleared 4' - 6' in width to bare rock at 5A. Stations are marked by stakes with fluorescent orange paint, blue flagging and identified.

The object of the grid is to delineate areas of geochemical, geophysical and geological interest under heavy over-burden and to check on mineralization that is shown on outcrops.

The grid area runs 350 metres north-south and 600 metres east-west containing members of the Karmutsen, Quatsino and Bonanza rocks, along with Jurassic intrusives.

Peter Eastwood and the author did a traverse immediately north along two spurs overlooking Sutton Creek valley in 1981. Silver was found in the rock at Sutton Creek near the 600 metre level. Chalcopyrite and bornite were also present. Copper was found at the 480 metre level in a feldspar porphyry dyke last year.

In the grid area itself faults strike from 110° - 150° . Shears are numerous striking from 60° to 120° to the axes of the faults. Faults found contain sulphides, quartz and calcite.

Soil samples were taken wherever possible at stations every 50 metres on grid.

A 30 - element I.C.P. analysis was done. Results are included but no interpretation has been done yet.

I am not sure but maybe the Vanadium values are high, compared to regional average.

Copper anomalies coincide with visual gossans on upper slope. Also small bits of silver have been found in a fracture in the volcanics at 4F. This is how the silver is found to the N.W. at the creek area.

Geophysical work is being done at the present time, but doubt it will be finished this year.

We are using a McPhar flux-gate magnetometer, model M700 taking the vertical magnetic component which should work well in our area. The diurnal variation is checked daily with Pacific Geoscience centre in Saanich.

Will forward work done so far.

This report should be included in a Prospecting report for Eagle 4 later this fall.

Sincerely,



Vincent Allan
Prospector

GEOCHEMICAL SAMPLING

Samples were taken at 50 m. intervals on station lines running east and west from BASE LINE, at 50 metre intervals.

Samples were taken in overburden and talus slopes, at a depth of 10 - 30 cm. in the "B" horizon.

Soil and talus are red to reddish-brown in colour.

Samples were sent to Acme Analytical Labs in Vancouver. They ran a thirty element I.C.P. analysis, procedure listed on result sheet.

Sincerely,



Vincent Allan

ACME ANALYTICAL LABORATORIES LTD.

852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6

PHONE 253-3158

DATA LINE 251-1011

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-3 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, B, AL, NA, K, W, SI, ZR, CE, SN, Y, ND AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: ROCK CHIPS AU ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: MAY 13 1985 DATE REPORT MAILED: *May 21/85* ASSAYER: *J. Saundry* DEAN TOYE OR TOM SAUNDRY, CERTIFIED B.C. ASSAYER

V. ALLAN FILE # 85-0571

PAGE 1

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#
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppb
1	3	120	4	137	.4	72	29	1026	7.20	3	5	ND	1	17	1	2	2	162	.33	.09	2	98	2.86	31	.24	2	4.29	.02	.04	1	4
2	1	40	5	91	.4	56	22	1543	8.86	4	5	ND	1	14	1	2	2	215	.37	.17	2	84	2.21	27	.37	6	2.78	.02	.03	2	2
3	1	32	7	83	.5	57	21	847	8.96	2	5	ND	1	17	1	2	2	253	.33	.21	2	100	2.13	18	.28	3	2.72	.02	.03	1	3
4	1	102	6	96	.6	42	31	1630	10.99	2	5	ND	1	9	1	2	5	302	.38	.16	3	48	1.62	20	.69	5	2.70	.02	.02	1	2
5	2	146	5	96	.6	58	34	1147	8.20	4	5	ND	1	19	1	2	3	215	.71	.11	3	58	2.32	12	.63	6	3.19	.02	.02	2	1
6	2	149	8	190	.4	61	43	2773	11.93	3	5	ND	1	8	1	2	2	280	.44	.17	3	59	2.44	26	.31	8	3.47	.02	.03	1	3
7	1	159	9	112	.4	50	35	1221	9.25	3	5	ND	1	16	1	2	2	222	.67	.11	9	43	2.38	18	.51	7	2.99	.04	.03	2	5
8	1	87	2	110	.5	48	33	1839	10.19	2	5	ND	1	10	1	2	7	249	.54	.15	2	35	1.89	20	.66	4	2.79	.02	.02	1	6
9	2	154	9	123	.5	49	35	2002	9.78	3	5	ND	1	25	1	2	3	235	.71	.11	4	52	2.44	19	.64	7	3.22	.02	.02	1	20
10	1	84	17	39	.1	8	25	271	8.43	13	5	ND	1	11	1	2	3	23	.87	.16	2	2	.27	10	.01	4	.69	.02	.09	3	2
STD C	20	60	40	132	7.7	70	27	1193	3.91	42	15	8	37	49	17	15	20	58	.48	.15	40	58	.88	177	.08	41	1.73	.07	.12	12	-

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.B.AL.NA.K.W.SI.ZR.CE.SR.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: ROCK CHIPS AU ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: JUNE 11 1985 DATE REPORT MAILED: *June 15/85* ASSAYER: *T. Saundry* DEAN TOYE OR TOM SAUNDRY. CERTIFIED B.C. ASSAYER

V. ALLAN FILE # 85-0883

PAGE 1

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*
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppb
11	1	118	7	135	.3	85	29	1409	7.98	5	5	ND	4	23	1	2	2	197	.68	.10	2	101	3.16	49	.31	8	3.53	.03	.05	1	1
12	1	52	8	119	.3	48	18	936	8.30	10	5	ND	6	17	1	2	2	205	.35	.24	2	82	1.93	35	.27	2	3.37	.02	.03	1	1
13	1	35	7	67	.2	38	14	767	8.72	5	5	ND	4	18	1	2	2	236	.30	.23	3	77	1.48	28	.42	2	2.40	.02	.02	1	2
14	2	220	4	119	.2	59	29	1058	9.39	6	5	ND	5	14	1	2	2	262	.73	.09	2	48	2.33	16	.74	2	3.77	.02	.01	1	3
15	2	106	6	96	.3	43	27	1591	9.18	5	5	ND	4	20	1	2	2	247	.78	.12	2	40	1.82	21	.78	2	2.48	.03	.01	1	2
16	2	159	5	147	.1	61	34	1648	11.31	2	5	ND	5	11	1	2	2	297	.59	.13	2	62	2.49	40	.53	12	3.35	.03	.04	1	1
17	2	87	7	109	.1	9	46	1813	5.80	17	5	ND	7	28	1	2	2	117	.51	.20	8	4	1.89	131	.17	2	2.55	.04	.10	1	16
18	1	100	7	104	.1	85	27	1038	7.91	2	5	ND	3	20	1	2	2	196	.48	.08	2	115	2.44	32	.38	2	3.49	.03	.04	1	1
19	1	77	8	108	.2	67	25	1262	7.25	3	5	ND	3	16	1	2	2	179	.40	.09	2	105	2.34	37	.28	2	3.38	.03	.05	1	1
20	3	131	2	129	.2	57	33	3012	10.93	5	5	ND	5	17	1	2	2	297	.56	.13	2	32	2.31	43	.65	12	3.28	.03	.01	1	1
21	1	150	4	107	.1	54	28	1602	8.37	5	5	ND	3	20	1	2	2	225	1.09	.10	2	35	2.46	32	.78	15	2.84	.04	.02	1	9
22	1	128	12	138	.1	51	29	2754	9.07	5	5	ND	4	11	1	2	2	245	.60	.11	2	45	2.70	36	.63	5	3.11	.01	.02	1	1
23	1	157	2	110	.1	55	29	1870	8.57	5	5	ND	4	16	1	2	2	237	.83	.08	2	41	2.29	35	.83	15	2.68	.03	.01	1	1
24	1	133	2	86	.1	65	28	896	7.44	5	5	ND	3	27	1	2	2	191	.73	.06	2	67	2.43	31	.60	6	2.77	.03	.02	1	2
25	2	129	11	122	.1	58	30	2194	9.20	8	5	ND	4	15	1	2	2	245	.58	.13	2	48	2.09	38	.76	12	3.12	.04	.02	1	1
26	1	115	8	84	.1	58	22	1335	6.00	11	5	ND	2	22	1	2	2	168	.92	.09	2	39	1.82	31	.55	10	2.51	.03	.03	1	1
27	1	287	2	82	.1	59	25	1104	6.73	12	5	ND	4	32	1	2	2	187	1.08	.08	2	67	2.20	25	.69	13	3.03	.05	.01	1	4
28	1	201	20	133	.1	75	28	1639	7.05	7	5	ND	4	30	1	2	3	163	.70	.12	7	86	2.80	72	.26	9	3.80	.04	.07	1	5
29	2	232	6	118	.2	60	32	1666	9.45	5	5	ND	5	14	1	2	2	265	.82	.08	2	56	3.12	33	.56	6	3.62	.02	.05	1	8
30	1	173	9	132	.1	93	41	1486	8.51	8	5	ND	3	7	1	2	3	201	.23	.07	2	127	3.71	39	.09	10	4.19	.02	.06	1	1
STD C/AU 0.5	20	59	40	137	6.8	74	28	1186	3.98	39	18	6	39	53	17	15	20	59	.48	.15	37	60	.88	189	.08	39	1.72	.06	.11	12	510

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, B, AL, NA, K, W, SI, ZR, CE, SN, Y, NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: SOILS -80 MESH

DATE RECEIVED: JULY 6 1985

DATE REPORT MAILED:

July 22/85

ASSAYER: *J. Saundry* DEAN TOYE OR TOM SAUNDY. CERTIFIED B.C. ASSAYER

V. ALLAN FILE # 95-1447

PAGE 1

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
	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
31	2	289	19	78	.1	36	24	1555	7.75	8	5	ND	1	15	1	2	5	239	.28	.09	10	52	1.07	33	.35	2	3.02	.01	.03	1
32	1	347	10	82	.1	39	34	2403	9.10	12	5	ND	1	11	1	2	2	285	.30	.08	14	41	1.81	31	.39	2	3.78	.01	.03	1
33	1	168	3	68	.1	25	19	533	8.87	5	5	ND	1	14	1	2	8	278	.21	.09	10	42	.92	10	.52	5	2.79	.01	.02	1
34	1	184	11	88	.1	42	21	1141	9.10	5	5	ND	1	25	1	2	7	264	.29	.11	8	57	1.17	22	.44	2	3.94	.01	.02	1
35	1	198	6	86	.1	34	27	1430	7.88	2	5	ND	1	19	1	2	7	228	.29	.09	7	47	.94	30	.44	2	2.96	.01	.03	1
36	1	128	28	74	.1	31	22	5286	4.50	7	5	ND	1	52	1	2	4	128	1.43	.15	10	30	.84	52	.23	3	2.51	.01	.03	1
37	1	448	12	94	.2	46	34	1616	8.53	17	5	ND	1	38	1	2	2	252	.73	.12	12	46	1.63	17	.44	4	4.29	.01	.02	1
38	1	103	7	70	.1	51	27	913	8.90	4	5	ND	1	109	1	2	4	279	.66	.11	2	77	1.32	13	.54	2	2.99	.01	.02	1
39	1	217	4	77	.1	41	21	1409	5.75	15	5	ND	1	16	1	2	2	148	.25	.08	7	58	1.65	38	.13	2	3.12	.01	.03	1
40	1	186	11	81	.1	34	22	1115	7.03	10	5	ND	1	33	1	2	6	207	.39	.10	2	72	1.03	27	.30	2	3.42	.01	.02	1
41	2	206	10	124	.3	63	24	688	6.41	16	5	ND	1	27	1	4	2	161	.35	.11	7	93	1.74	36	.19	5	4.87	.01	.04	1
42	1	214	8	73	.1	46	22	866	5.12	21	5	ND	1	41	1	3	2	137	.87	.06	10	70	1.84	32	.21	6	3.25	.01	.04	1
43	1	182	9	75	.1	24	21	607	8.19	7	5	ND	1	17	1	2	8	244	.24	.10	3	35	.85	12	.56	2	2.78	.01	.02	1
44	1	167	12	162	.1	28	36	3826	8.19	7	5	ND	1	18	1	2	4	226	.47	.14	11	38	1.04	37	.26	3	2.60	.01	.03	1
45	1	226	13	94	.1	20	23	1035	7.68	11	5	ND	1	9	1	2	2	207	.13	.10	5	37	.81	29	.10	2	3.52	.01	.04	1
46	1	217	12	98	.1	25	27	1546	10.50	12	5	ND	1	19	1	2	6	307	.19	.12	7	49	.76	18	.43	2	3.20	.01	.02	1
47	1	127	8	72	.1	28	15	438	6.89	9	5	ND	1	18	1	2	5	200	.23	.07	4	54	.89	19	.34	5	3.13	.01	.03	1
48	1	146	10	79	.1	45	19	1118	5.72	4	5	ND	1	14	1	2	2	140	.20	.13	2	73	1.45	34	.10	5	3.22	.01	.03	1
49	1	120	10	74	.2	38	15	485	6.07	11	5	ND	1	32	1	2	3	174	.38	.10	5	70	1.12	23	.26	2	3.42	.02	.03	1
50	1	85	19	95	.1	45	24	1210	6.56	13	5	ND	1	31	1	3	2	181	.42	.09	10	81	.98	33	.20	2	3.67	.02	.03	1
STD C	20	58	40	130	7.1	68	27	1100	3.96	40	16	7	37	49	17	15	21	59	.48	.16	37	56	.88	176	.07	36	1.72	.06	.11	11

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, B, AL, NA, K, W, SI, ZR, CE, SM, Y, NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: SOILS AND ROCK

DATE RECEIVED:

OCT 16 1985

DATE REPORT MAILED:

Oct 18/85

ASSAYER:

D. J. Jeps

DEAN TOYE OR TOM SAUNDRY.

CERTIFIED B.C. ASSAYER

V. ALLAN FILE # 85-2819

PAGE 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Aq 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
52	1	390	22	149	.3	77	33	1549	8.61	10	5	ND	1	22	1	2	2	237	.60	.08	25	84	1.80	58	.20	2	4.98	.01	.03	1
53	1	115	18	126	.2	53	16	981	7.17	9	5	ND	1	27	1	5	2	185	.28	.09	2	77	1.25	38	.21	2	4.33	.01	.03	1
54	1	163	24	105	.2	34	24	4193	7.57	5	5	ND	1	44	1	3	2	210	.66	.11	5	31	1.15	55	.49	2	2.73	.01	.02	1
55	1	240	15	106	.1	38	19	1804	9.26	2	5	ND	1	28	1	2	2	260	.20	.11	4	40	1.05	23	.65	10	3.82	.01	.02	1
56	1	260	15	117	.1	40	18	2358	9.51	7	5	ND	1	29	1	2	2	268	.25	.14	7	35	1.19	26	.71	17	4.32	.01	.02	1
57	1	127	19	133	.1	36	19	1047	8.30	8	5	ND	2	19	1	2	2	227	.15	.09	6	53	1.00	37	.28	2	4.20	.01	.02	1
58	2	297	25	124	.1	55	23	1006	10.80	3	5	ND	1	18	1	4	2	297	.22	.13	10	46	1.51	20	.66	2	4.96	.01	.02	1
59	1	320	20	114	.1	56	21	873	11.10	2	5	ND	1	14	1	2	2	322	.17	.13	13	56	1.35	21	.56	2	5.71	.01	.03	1
60	1	315	15	103	.2	57	17	711	10.53	5	5	ND	1	22	1	2	2	289	.20	.12	9	59	1.44	20	.58	17	5.34	.01	.02	1
61	5	219	29	104	.3	54	21	1130	9.03	10	5	ND	1	13	1	5	2	223	.35	.10	9	55	2.16	29	.49	21	3.38	.01	.03	1
62	1	123	16	137	.2	41	15	867	8.05	6	5	ND	1	19	1	2	2	212	.20	.15	6	57	1.08	26	.45	3	3.53	.01	.02	1
51 ROCK	2	114	9	112	.1	50	20	1418	9.15	2	5	ND	1	12	1	2	2	248	.88	.11	12	45	2.20	21	.64	2	2.87	.05	.04	1
STD C	21	59	40	132	7.2	70	26	1129	3.89	38	16	8	35	50	16	15	22	59	.44	.15	38	58	.85	180	.07	40	1.73	.06	.10	13

I T E M I Z E D C O S T S

LABOUR

Grid:
8,9 April - 4 men @ \$80.00 per day -----\$ 640.00
20,21,22 May - 4 men @ \$80.00 per day ----- 960.00
4 June - 3 men @ \$80.00 per day ----- 240.00
6,7 July - 3 men @ \$80.00 per day ----- 480.00
\$2,320.00

MATERIAL

Flagging, stakes, spray paint, etc.
100.00

TRANSPORTATION

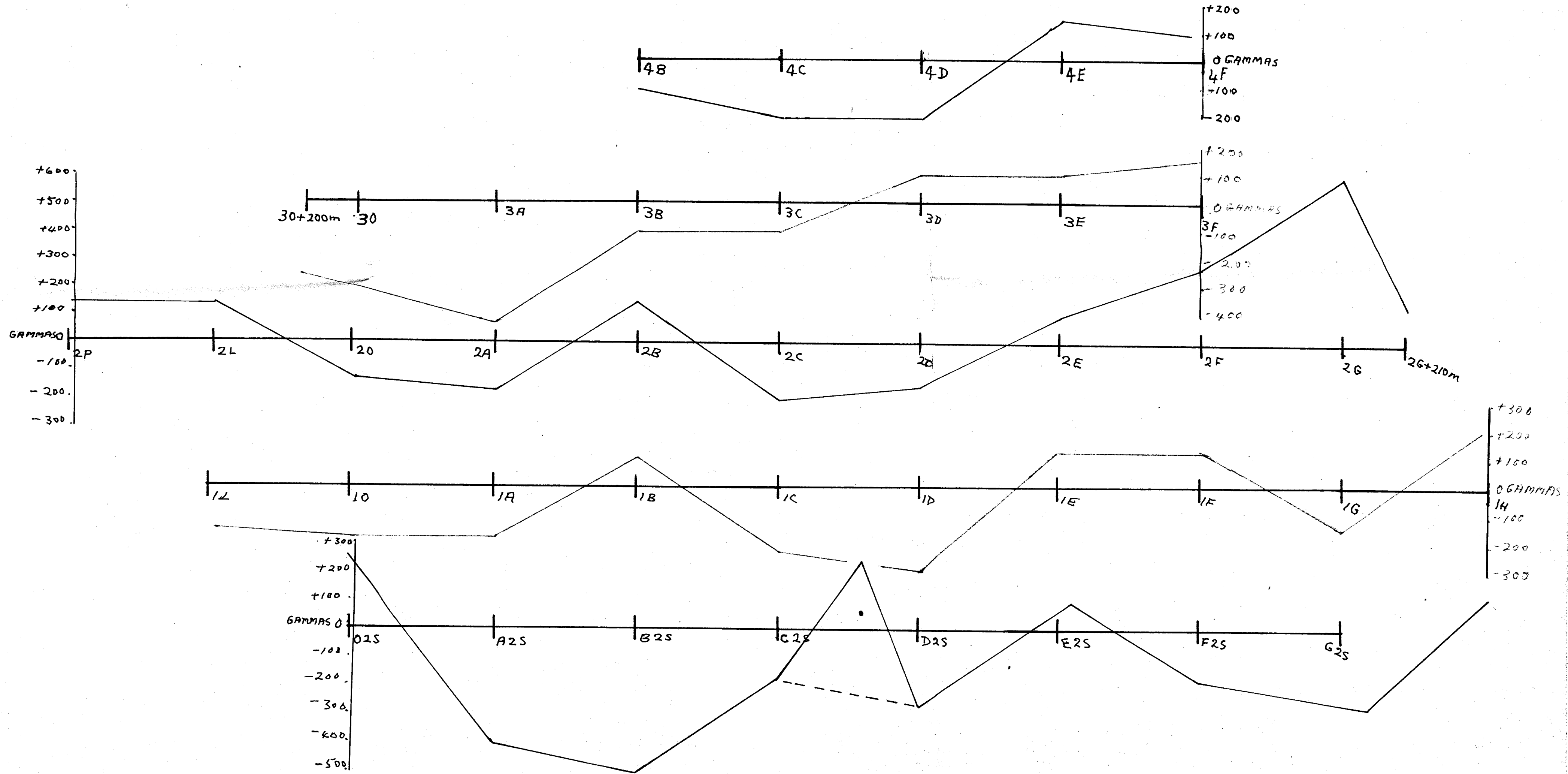
Mileage @ \$0.40 per km.
8 days, 260 km. per day (2,080 km.)-- 832.00

TOTAL COST----- 3252.00

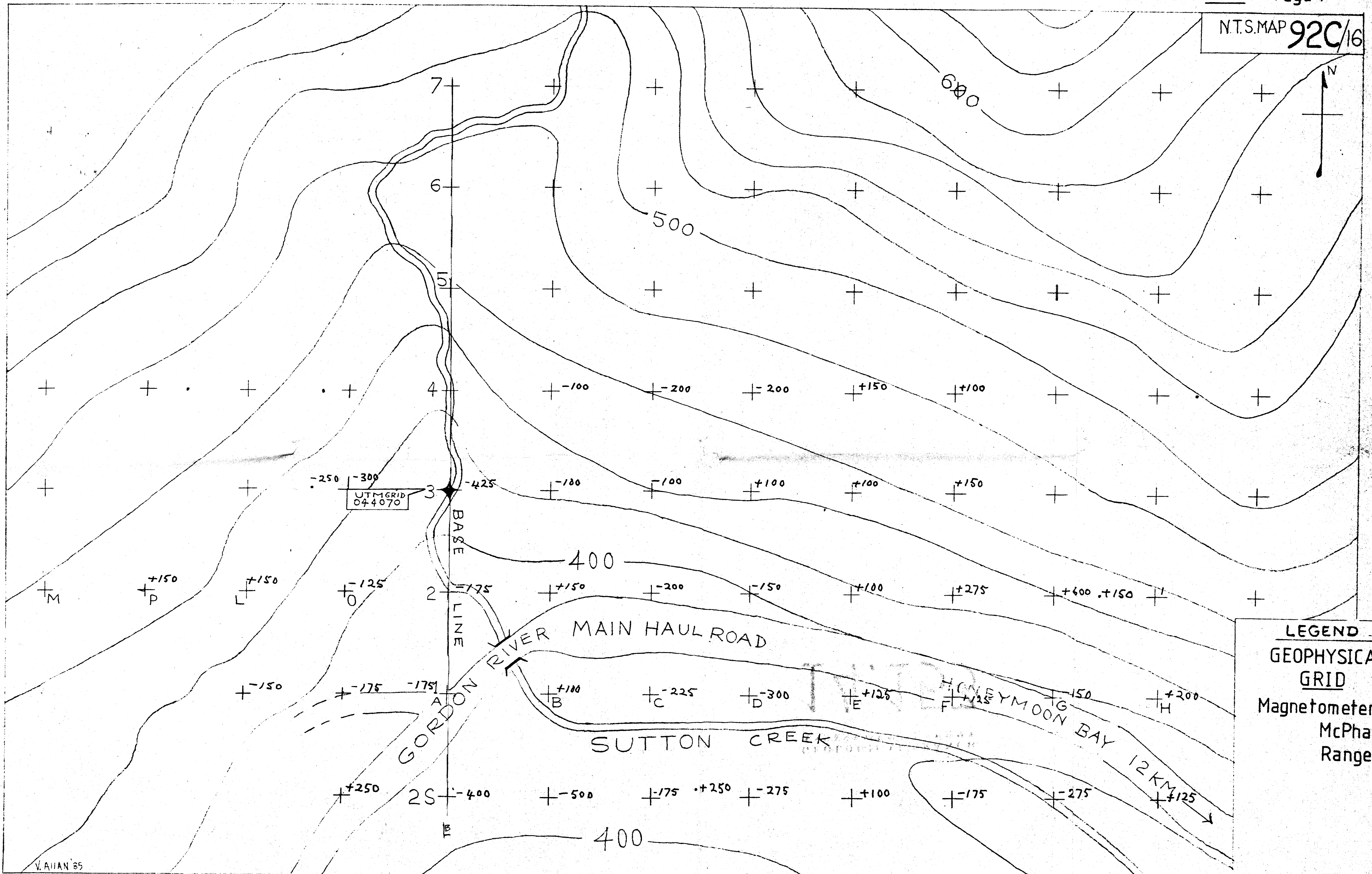
Geochem + Geophysical

Total -

3000
\$ 5252.00



N.T.S. MAP 92C/16

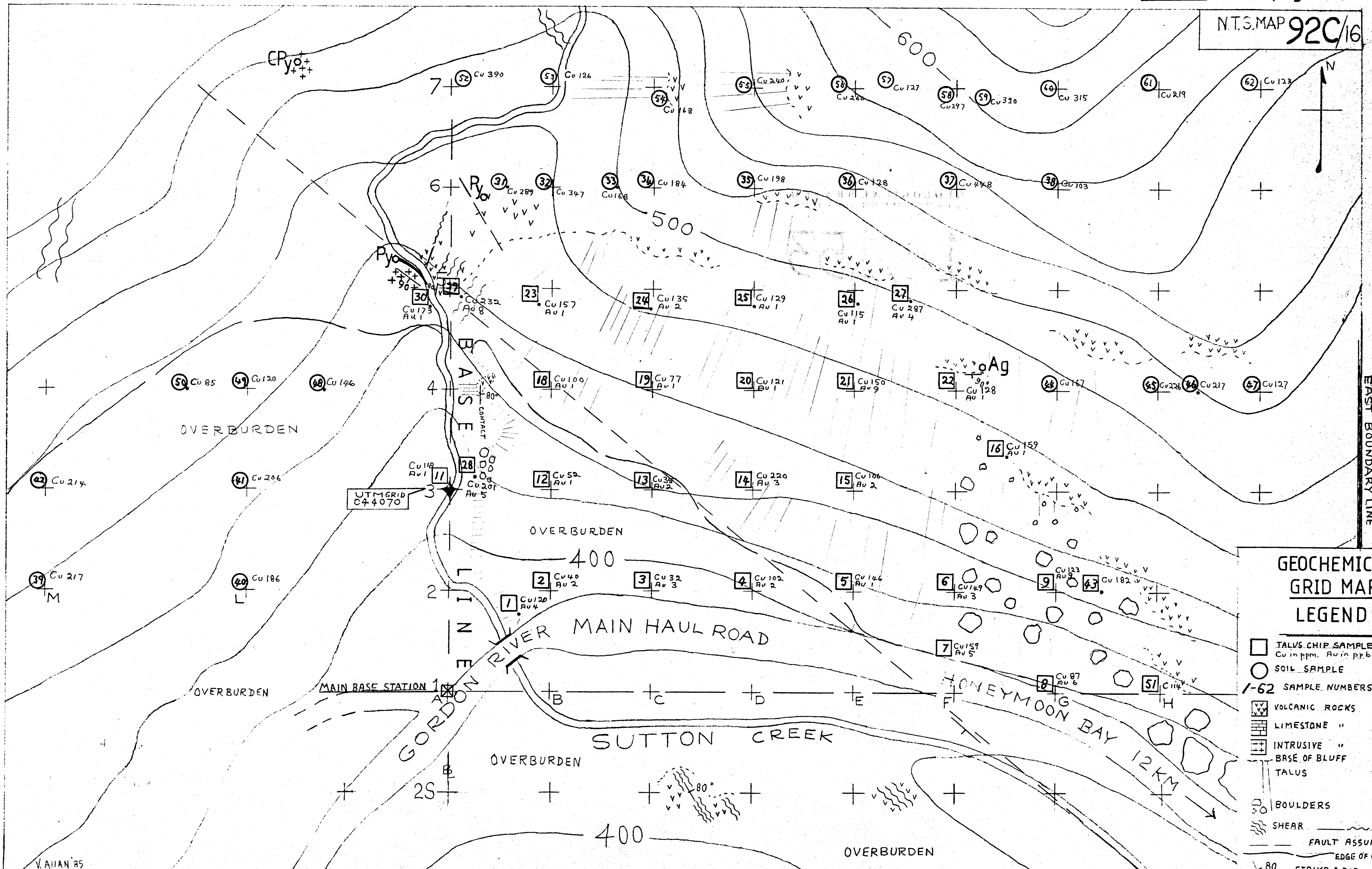


LEGEND
GEOPHYSICAL GRID
 Magnetometer—
 McPhar-M700
 Range—3K

SCALE 1:1000
 50 METRES

14153

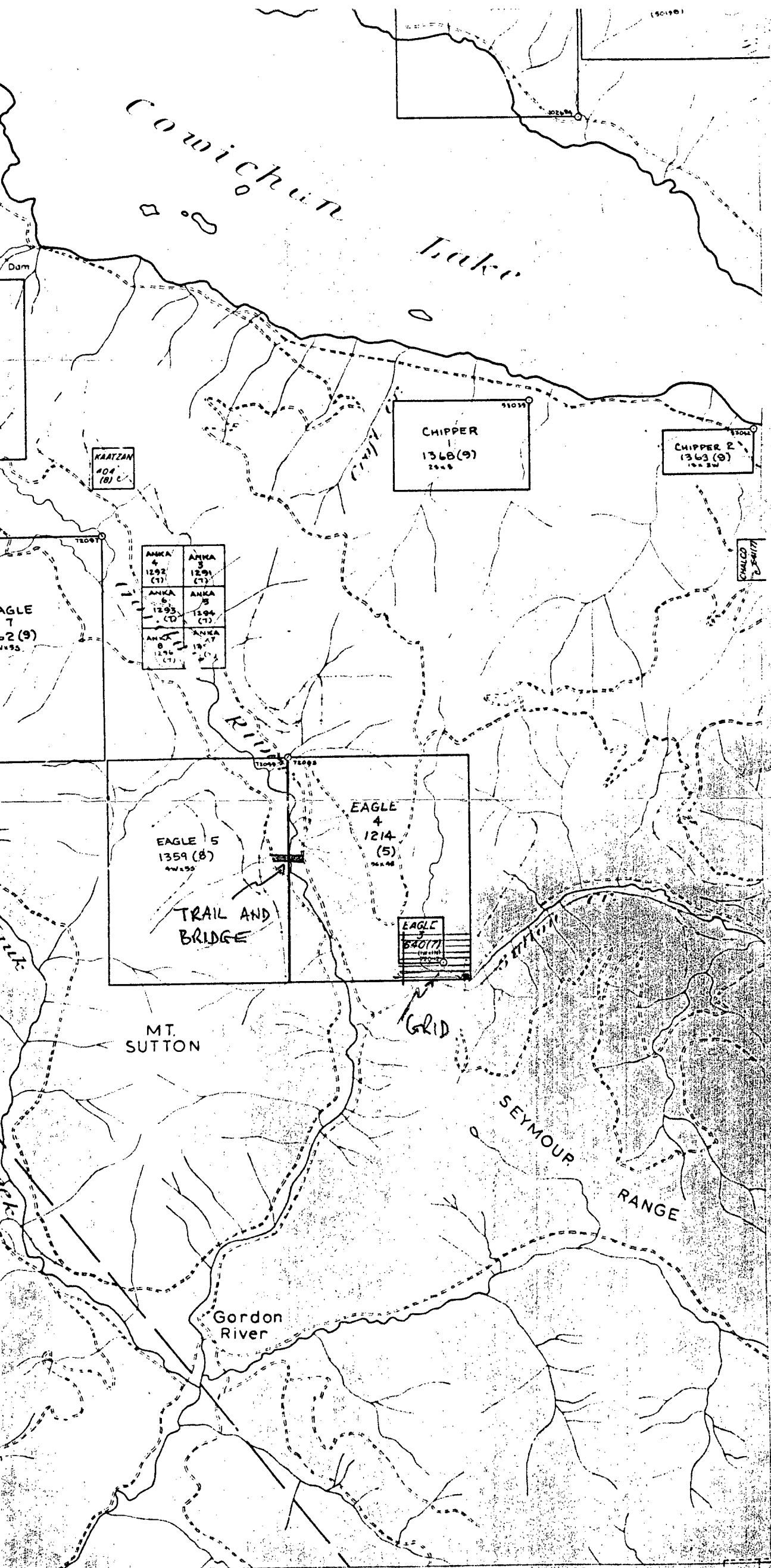
N.T.S. MAP 92C/16



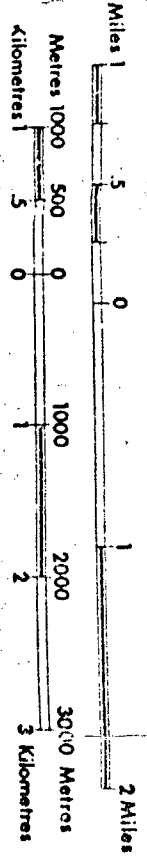
GEOCHEMICAL GRID MAP LEGEND

- TALUS CHIP SAMPLE
Cu in ppm. Au in p.p.b.
- SOIL SAMPLE
- 1-62 SAMPLE NUMBERS
- ⊞ VOLCANIC ROCKS
- ⊞ LIMESTONE "
- ⊞ INTRUSIVE "
- ⊞ BASE OF BLUFF
- ⊞ TALUS
- BOULDERS
- ⊞ SHEAR
- ⊞ FRACTURE
- ⊞ FAULT ASSUMED
- ⊞ EDGE OF OVERBURDEN
- 80 STRIKE & DIP
- Cryo COPPER OCCURENCE
- Pyo PYRITE + OCCURENCE

SCALE 1:1000
 50 METRES



- LEGEND
- CHRON-GRANTED MINERAL CLAIM CA
 - REVERTED C.G. MINERAL CLAIM CD
 - FORFEITED MINERAL CLAIM
 - VERIFIED LEGAL CORNER POST
 - LEGAL SURVEY
 - LEGAL CORNER POST & TAG NUMBER OTHER



UNLESS VERIFIED OR SURVEYED, THE MAP POSITION OF A LEGAL CORNER POST IS BASED ON THE LOCAL SURVEYOR'S SKETCH. FOR FURTHER INFORMATION, APPLY TO THE OFFICE OF THE MINING DIVISION CONCERNED.

DATE OF MICROFILM: 85.11.11



NTS
92C/16W

INDEX MAP

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