



REPORT ON THE
SOIL AND STREAM SILT
GEOCHEMICAL SURVEY
DYAK CLAIMS

091001

WATSON LAKE MINING DIVISION

NFS 105 J 7, 8, 9 and 10

Latitude 130° 30'
Longitude 62° 30'

May 31 to June 17 and August 6 to 13, 1981



Edward P. Dillen
Gulf Minerals Canada Limited
February 1982

091001



100190

This report has been examined by
the Geological Evaluation Unit
under Section 28 (4) Yukon Quartz
Mining Act and is allowed as
representation work in the amount
of \$ 24000.

P. Wakon

for Regional Manager, Exploration and
Geological Services for Commissioner
of Yukon Territory.

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ILLUSTRATIONS

BOUND IN REPORT

- Figure 1.1 Stream Silt Sample Location Map
- Figure 1.2 Pb values in ppm
- Figure 1.3 Zn values in ppm
- Figure 1.4 Ag values in ppm
- Figure 1.5 Ba values in ppm
- Figure 1.6 V values in ppm

ENCLOSED IN POCKETS

- Plate I Location of Dyak Property
 - IIA Soil Sample Location Map
 - B Pb values in ppm
 - C Zn values in ppm
 - D Ag values in ppm
 - E Ba values in ppm
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 - IIIA Detailed Area Sample Locations
 - B Pb values in ppm
 - C Zn values in ppm
 - D Ag values in ppm
 - E Ba values in ppm
 - F V values in ppm



LIST OF CLAIMS

Claim Name	Claim Numbers	Tag Numbers	Recording Date
Dyak	1 to 80	YA57733-812	March 26, 1981



1.0 INTRODUCTION

The Dyak Group, totalling 80 claims, was staked to cover the possible source of stream silt geochemical anomalies located during a 1980 Reconnaissance Survey in the Ross River area.

During the 1981 field season a 4.5 km baseline was cut and surveyed in, 22 km of cross lines were chained and flagged at 50 m stations, all streams draining the Dyak property were sampled in detail and the entire property was soil sampled on 100 m stations on lines spaced 450 m apart. Two areas of the property were resampled on a 150 m x 50 m grid late in the field season.

A total of 588 soil samples and 97 stream silt samples were collected during this property program.



2.0 LOCATION, ACCESS AND TOPOGRAPHY

The Dyak property is located at the common corner of NTS 1:50,000 Topo sheets 105 J 7, 8, 9 and 10 and is approximately 38 km SE of the North Canal Road (Plate I). The centre of the property is located at longitude 130° 30' and latitude 62° 30'.

Access to the Dyak property, during the 1981 season, was by helicopter from Gulf's base camp located on the North Canal Road 38 km to the northeast.

The Topography of the Dyak Property is moderate with elevations ranging between 1200 m and 1500 m. Much of the property is between 1200 m and 1350 m.



3.0 REGIONAL GEOLOGY

Rock units exposed in the property area have been mapped (by the GSC) as Ordovician to Silurian cherts and shales. These rocks trend northwest and dip moderately to steeply to the east.

The cherts are fine grained and massive to thinly bedded and often appear finely laminated. On fresh surface they are dark grey to black. These rocks weather light grey to buff white.

The shale units are very fissile, thinly bedded and weather silver to dark grey with occasional rusty weathered zones. On fresh surface they appear dark grey to black.



4.0 GEOCHEMICAL SURVEYS

4.1 Soil Geochemical Survey

A total of 588 soil geochemical samples were collected on the Dyak Property between May 31 and June 17 and August 6 to 13, 1981. These samples were collected on 100 m stations on lines spaced 450 m apart. The samples lines were run north south from an E-W base line cut along the north boundary of the property. Two areas of the property were detail sampled on 50 m X 150 m grids late in the field season.

All soil samples were collected from samples pits dug into the "C" horizon. Samples were taken from the "B" horizon where present and in "C" horizon otherwise. Samples were placed in the pre-numbered, wet-strength kraft soil sample bags, air dried at camp and shipped Air Express to Min En Labs, 705 West 15th Street, North Vancouver, B.C.

In the Lab the samples were oven dried at 90°C, sieved to -80 mesh, subjected to hot acid digestion and analyzed for Pb, Zn, Ag, Ba and \checkmark by atomic absorption spectroscopy.

The results of this soil geochemical survey are plotted on the accompanying 1:10,000 scale geochemical maps (Plates IIA-F) in ppm. The two detailed areas are plotted on 1:5,000 scale maps (Plates IIIA-F).

Threshold values for each element were calculated as mean + 2 standard deviations (Pb - 36 ppm, Zn - 240 ppm, Ag - 2.5 ppm and Ba - 2200 ppm).

There are several scattered anomalous zones throughout the property most of which are spotty and discontinuous.

The main area of interest is a coincident Pb-Zn-Ag-Ba anomaly in the NW part of the property between lines 7.0 W and 10.0 W and from



the base line to 750 m south. Anomalous values in this area range from 250 to 1000 ppm Zn, 2.4 to 14.2 ppm Ag and 2500 to 5000 ppm Ba.

No bedrock source has yet been located to explain this soil anomaly.

4.2 Stream Silt Geochemical Survey

A total of 97 stream silt geochemical samples were collected from all creeks draining the vicinity of the Dyak property between May 31 and June 9, 1981. The samples were collected from the active part of the creeks using a sample spacing of 300 to 500 m. The stream silt samples were placed in pre-numbered, wet strength kraft sample bags, air dried at camp and shipped to Min En Labs, North Vancouver, B.C. At the Lab these samples were treated as were the soil samples.

The results of this stream silt geochemical survey are presented on 1:50,000 scale figures listed in Appendix (II) of this report. Two samples returned anomalous values in Pb (2012-30 ppm and 2030-38 ppm).



5.0 CONCLUSIONS AND RECOMMENDATIONS

The results of the detailed soil and stream silt geochemical program conducted on the Dyak property shows a coincident Zn-Ag-Ba soil anomaly in the NW part of the property.

The writer recommends further detailed soil geochem sampling, prospecting and detailed mapping of the anomalous area in the N.W. part of the Dyak property.




The seal is circular with the text "REGISTERED PROFESSIONAL ENGINEER" around the top and "PROVINCE OF ONTARIO" around the bottom. In the center, it says "E. P. DILLON". A handwritten signature "E. P. Dillon" is written over the seal.

E.P. DILLON
Project Geologist

6.0 STATEMENT OF QUALIFICATIONS

I, Edward P. Dillon of Gulf Minerals Canada Limited, Suite 1400, 110 Yonge Street, Toronto, Ontario and residing in Mississauga, Ontario do hereby certify that:

1. I graduated from the University of Toronto in 1974 with a BSc in Geological Engineering and in 1979 with an MSc in Geology.
2. From 1978 to present I have been actively engaged as a Geologist in Mineral Exploration in Ontario, Manitoba, British Columbia and the Yukon and Northwest Territories.
3. I am a member of the Association of Professional Engineers of Ontario and the Canadian Institute of Mining and metallurgy.
4. I personally participated in and supervised the field work conducted on the Dyak claims and interpreted all data resulting from this work.



Edward P. Dillon, P. Eng.



APPENDIX IA

Summary of Expenditures



APPENDIX IB

Summary of Personnel



SUMMARY OF PERSONNEL

SALARIES

DYAK PROPERTY

Name	Position	Daily Salary	# Days	Total
E. Dillon	Project Geologist	\$132.00	8	\$1,056.00
D. Webb	Senior Asst.	90.00	30	2,700.00
Matysek	Senior Asst.	85.00	19	1,615.00
S. Riddell	Senior Asst.	85.00	10	850.00
J. Harris	Senior Asst.	80.00	2	160.00
R. Boland	Junior Asst.	60.00	11	660.00
J. Grant	Junior Asst.	50.00	12	600.00
L. Deering	Junior Asst.	42.00	19	798.00
V. Morelli	Junior Asst.	65.00	12	<u>780.00</u>
TOTAL				<u>\$9,219.00</u>



APPENDIX IC

Addresses of Personnel



ADDRESSES OF PERSONS LISTED IN SUMMARY OF PERSONNEL

Edward P. Dillon
2507 Hornsgate Drive
Mississauga, Ontario
L5K 1P3

Mr. L.S. Deering
18 Robintide Court
Agincourt, Ontario
M1T 1V1

Tel. 497-5381

Mr. D.R. Webb
Apt. 1610
260 Wellesley Street E.
Toronto, Ontario
M4X 1G6

Mr. V.D. Morelli
77 Fountainbleaur Driver
Toronto, Ontario
M2M 1P1

Tel. 223-8592

Mr. P.F. Matysek
Ste. 206
1045 Burnaby Street
Vancouver, B.C.
V6E 1N9

Mr. D.S. Riddell
2041 Highview Drive
Burlington, Ontario
L7R 3X4

Mr. J.S. Harris
77 Laurelcrest Avenue
Downsview, Ontario
M3H 2B1

Mr. J.W. Grant
R.R. #3
5th Line
Georgetown, Ontario
L7G 4S6

Mr. R.A. Boland
104 Edwards Hall
McMaster University
Hamilton, Ontario

18 West Hampton Road
St. Catherines, Ontario

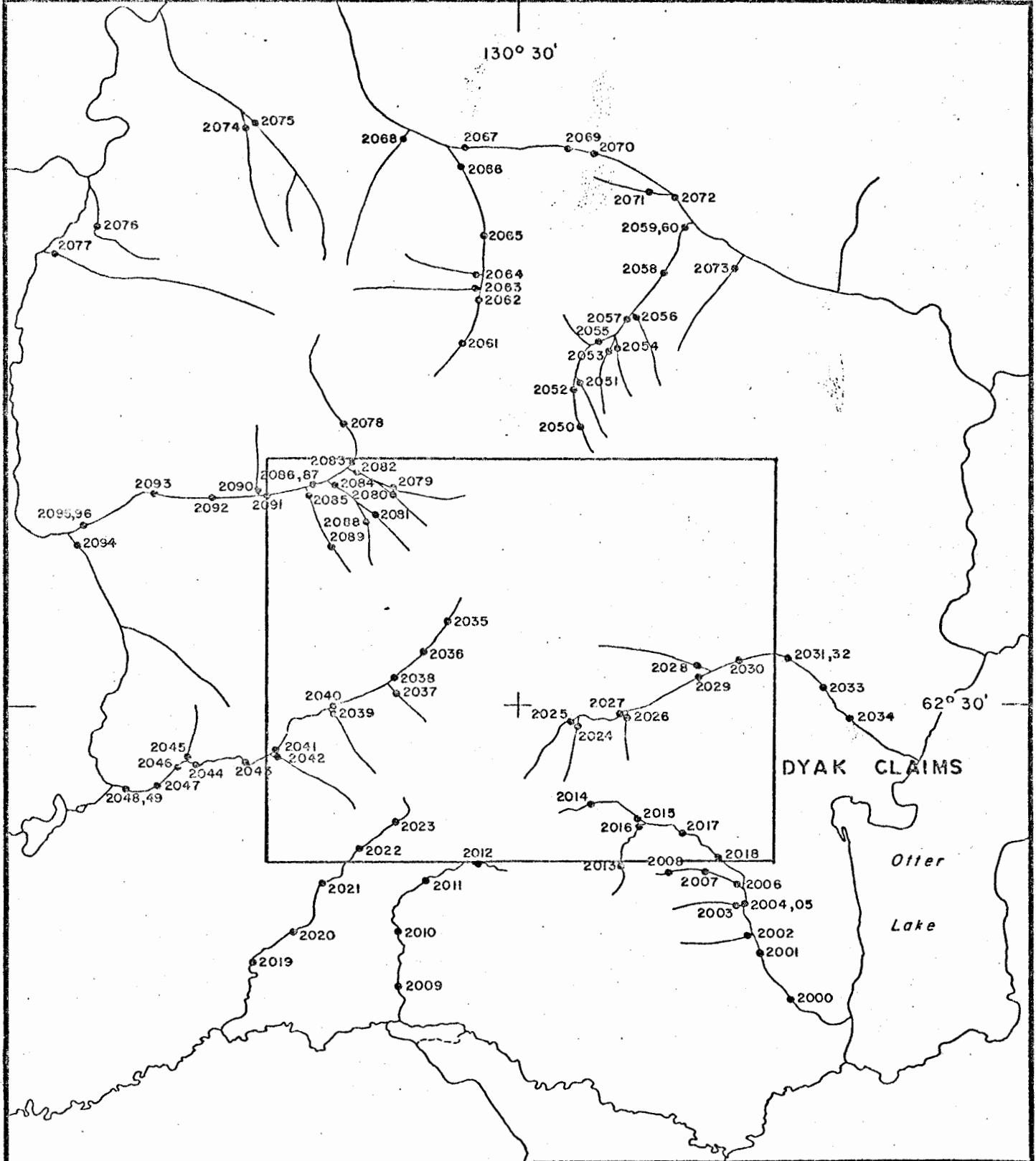
Tel. 416-682-9329



APPENDIX II

Figures 1.1 - 1.6





LEGEND

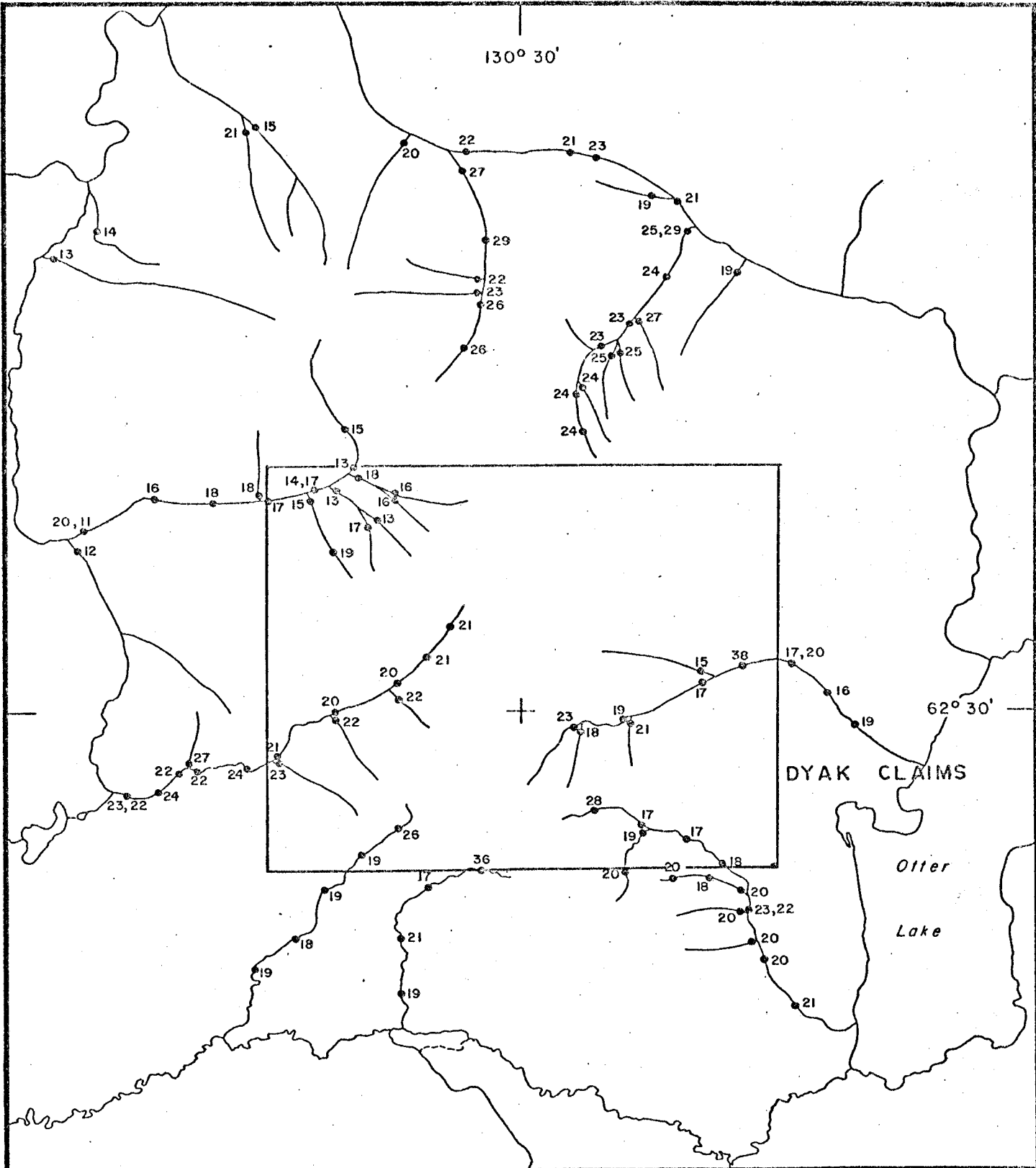
- Stream sediment sample location and number.
(Prefix by CS-81-XE.)

Gulf Minerals Canada Limited

CORDILLERAN SEDIMENTS PROJECT
GEOCHEMICAL SURVEY
 SAMPLE NUMBERS - AREA "E"
 YUKON TERRITORY

DATE:	SCALE:	DRAWN BY:	N.T.S.
SEPT. 1981	1:50,000	S.NORRIS	105 J/ 7, 8, 9, 10 PT.

Figure 11

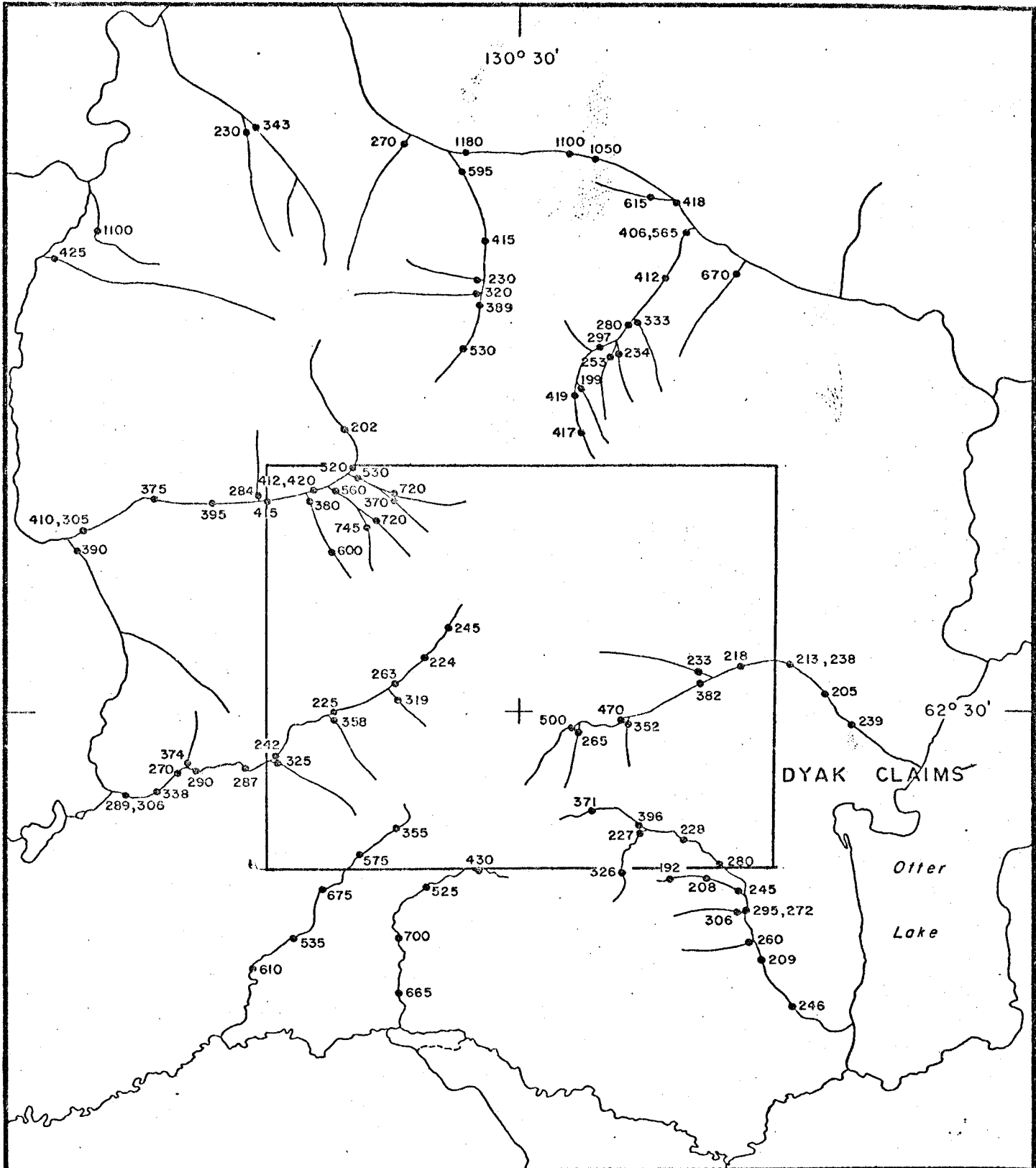


LEGEND

● 19 Stream sediment sample location and value in ppm.

Gulf Minerals Canada Limited			
CORDILLERAN SEDIMENTS PROJECT GEOCHEMICAL SURVEY LEAD VALUES - AREA "E" YUKON TERRITORY			
DATE:	SCALE:	DRAWN BY:	N.T.S.
SEPT. 1981	1:50,000	S.NORRIS	105 J/ 7, 8, 9, 10 PT.

Figure 1-2



LEGEND

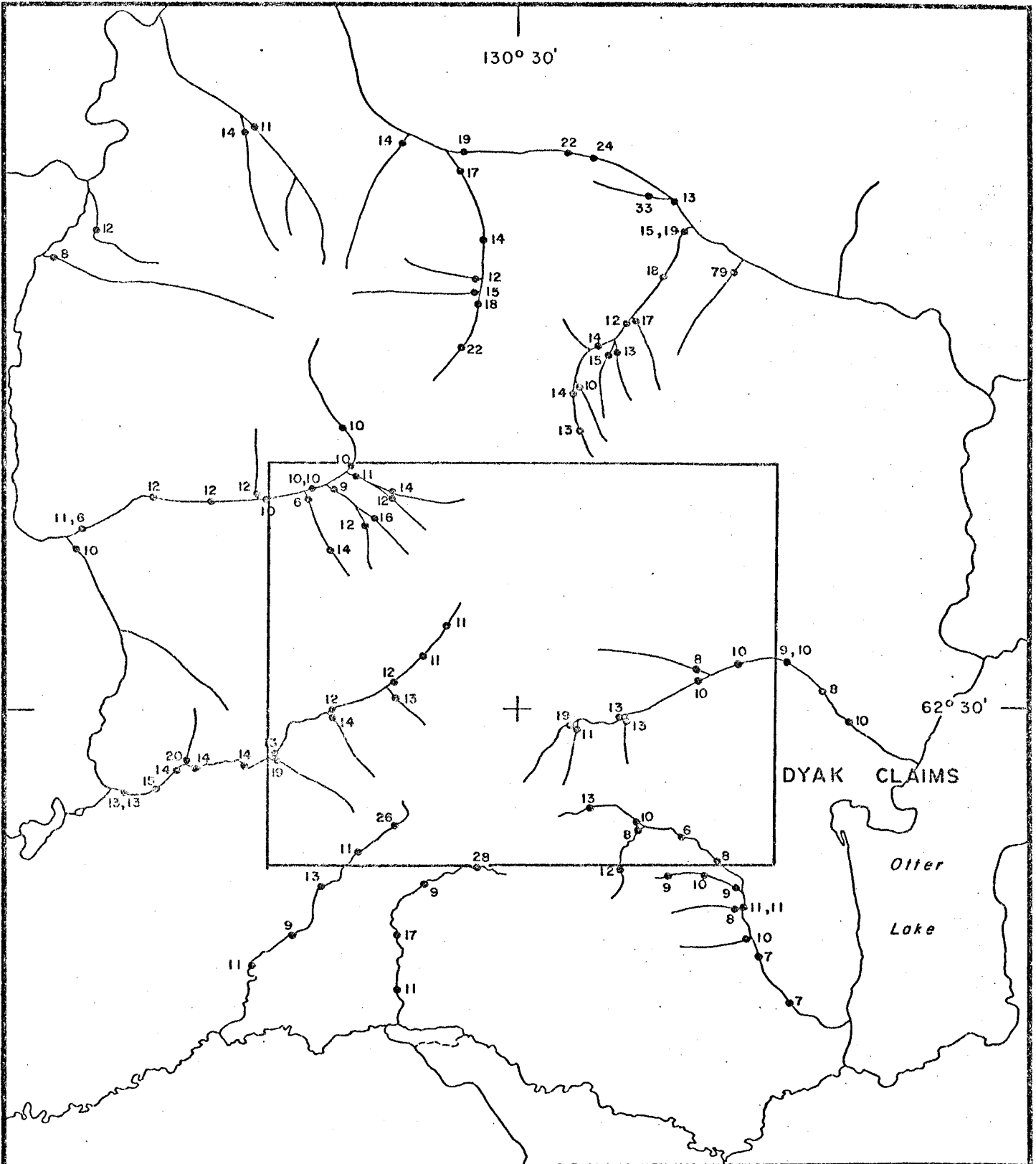
● 610 Stream sediment sample location and value in ppm.

Gulf Minerals Canada Limited

CORDILLERAN SEDIMENTS PROJECT
GEOCHEMICAL SURVEY
 ZINC VALUES - AREA "E"
 YUKON TERRITORY

DATE:	SCALE:	DRAWN BY:	N.T.S.
SEPT. 1981	1:50,000	S.NORRIS	105 J/ 7, 8, 9, 10 PT

Figure 1-3

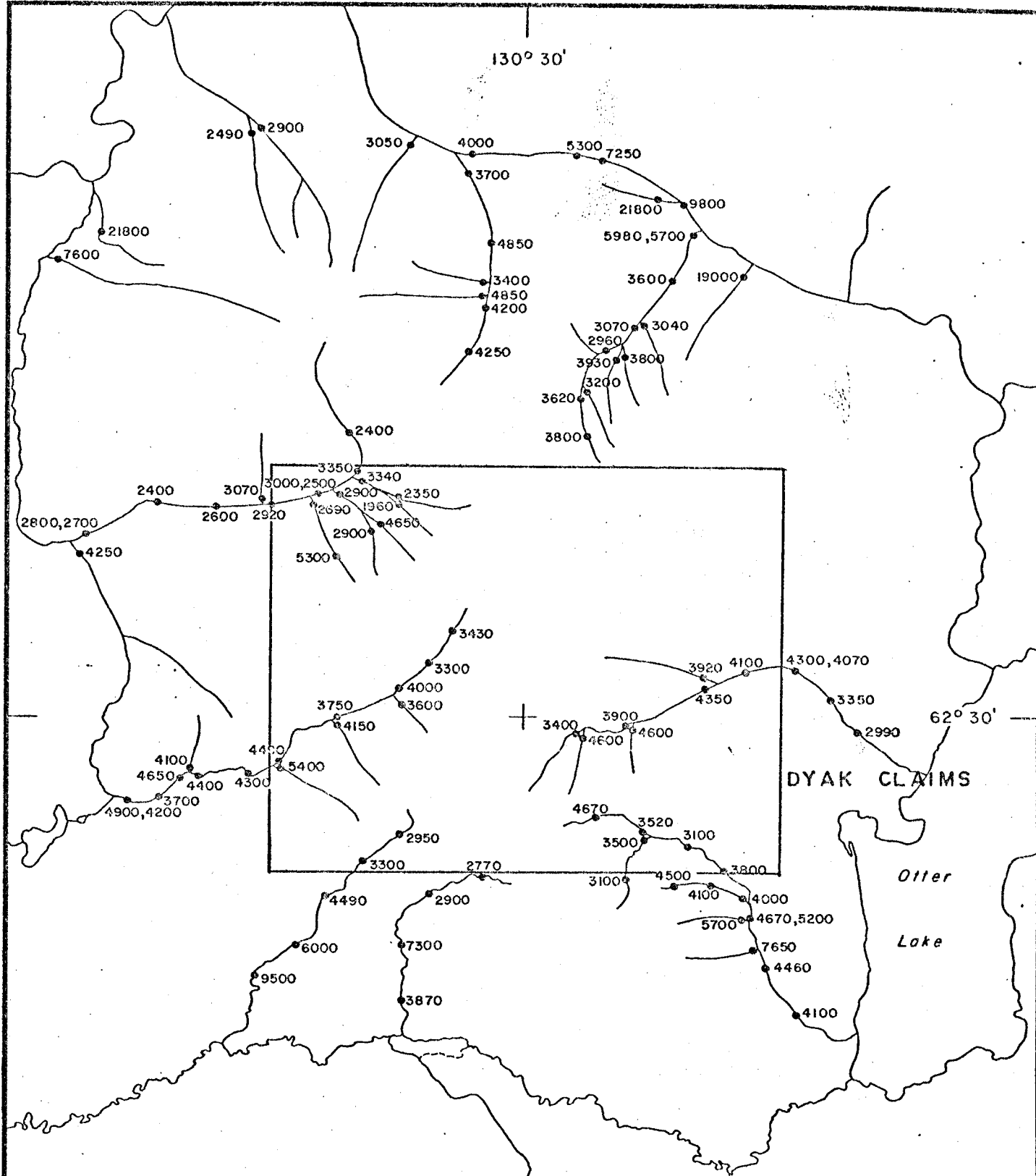


LEGEND

● 11 Stream sediment sample location and value in ppm x 10.

Gulf Minerals Canada Limited			
CORDILLERAN SEDIMENTS PROJECT GEOCHEMICAL SURVEY SILVER VALUES - AREA "E" YUKON TERRITORY			
DATE:	SCALE:	DRAWN BY:	N.T.S.
SEPT. 1981	1:50,000	S.NORRIS	105 J/ 7, 8, 9, 10 PT.

Figure 14

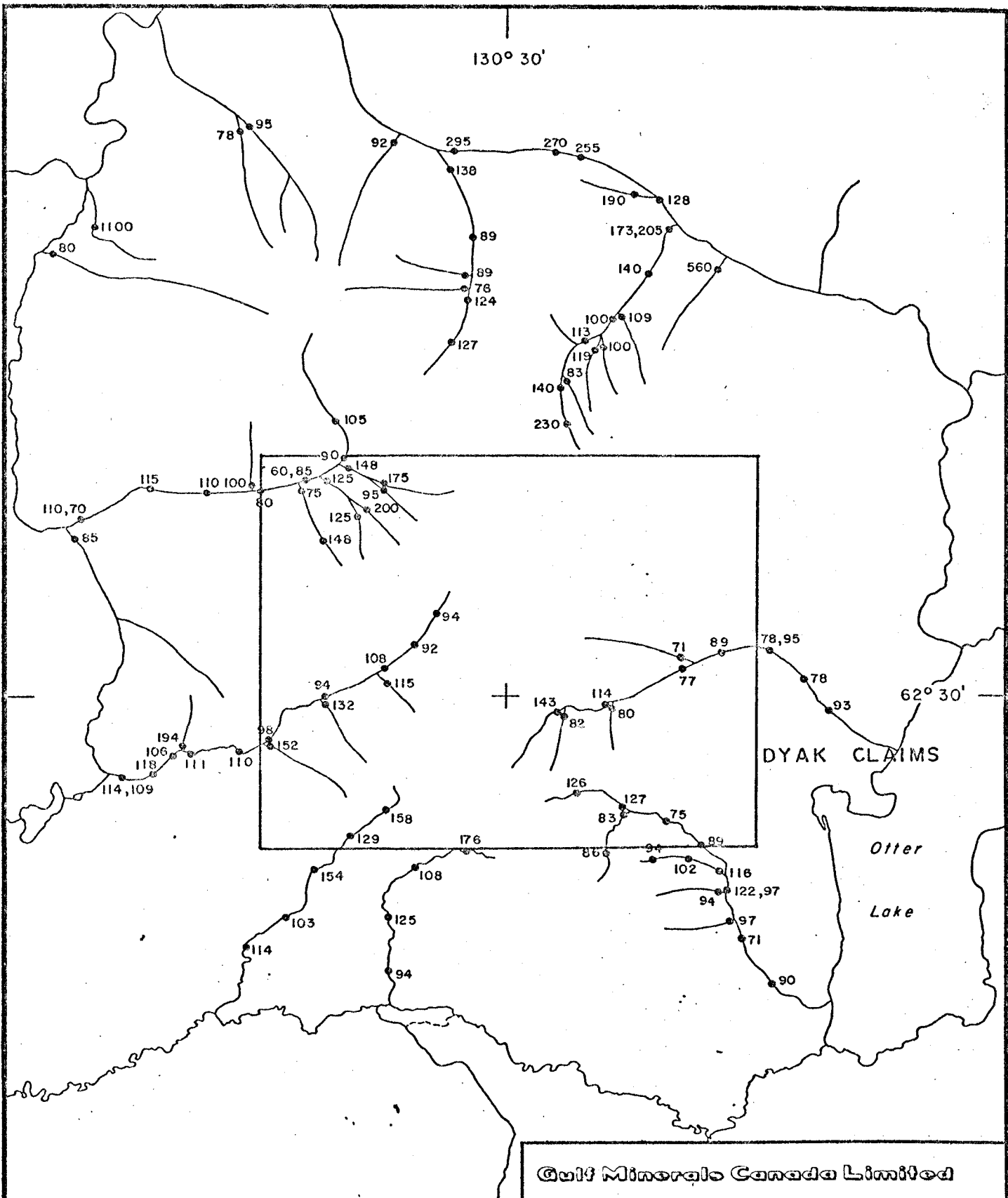


LEGEND

● 9500 Stream sediment sample location and value in ppm.

Gulf Minerals Canada Limited			
CORDILLERAN SEDIMENTS PROJECT GEOCHEMICAL SURVEY BARIUM VALUES - AREA "E" YUKON TERRITORY			
DATE:	SCALE:	DRAWN BY:	N.T.S.
SEPT. 1981	1:50,000	S.NORRIS	105 J/ 7, 8, 9, 10 PT.

Figure 1-5



LEGEND

- 114 Stream sediment sample location and value in ppm.

Gulf Minerals Canada Limited

**CORDILLERAN SEDIMENTS PROJECT
GEOCHEMICAL SURVEY
VANADIUM VALUES - AREA "E"**

YUKON TERRITORY

DATE: SEPT. 1981	SCALE: 1:50,000	DRAWN BY: S.NORRIS	N.T.S. 105 J/ 7, 8, 9, 10 PT.
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Figure 1-6

APPENDIX III

List of Data



CONFIDENTIAL file no. 15 RD

GEOCHEMICAL ANALYSIS DATA SHEET

Lab No. 15308

PROJECT No. AFE 1414 FAC 08352

MIM - EN Laboratories Ltd.

DATE: July 3

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 920-3314

ATTENTION: E.P. Dillon

1981.

Sample Number	Cd ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb	Ba ppm	V ppm
RR-DKS1-0001	✓	22	160			09						1200	124
02	✓	24	182			09						1450	67
03	✓	26	128			12						1440	74
04	✓	17	91			10						1350	49
05	✓	19	135			08						900	56
06	✓	19	144			09						1100	80
07	✓	22	82			08						1020	55
08	✓	18	147			07						950	71
09	✓	18	47			19						1120	60
10	✓	23	139			10						1180	118
11	✓	14	40			10						1440	42
12	✓	14	59			08						1530	46
13	✓	13	53			08						1700	55
14	✓	20	130			10						1690	99
15	✓	20	126			10						1700	96
16	✓	17	151			10						2930	80
17	✓	19	51			47						nes	79 (20M)
18	✓	15	119			35						1750	79
19	✓	18	182			10						2100	92
20	✓	14	110			10						1700	33
21	✓	7	35			27						1350	18 (20M)
22	✓	11	21			08						1300	54
23	✓	15	97			09						1000	73
24	✓	17	128			10						1420	104
25	✓	16	145			12						1500	74
26	✓	17	179			12						1650	88
27	✓	4	15			05						770	15
28	✓	15	132			25						nes	50 (20M)
29	✓	13	49			09						850	46
RR-DKS1-0030	✓	17	73			12						1000	84

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PROJECT No.: AFE 1414 FAC 08352

MIN - EN Laboratories Ltd.

DATE: July 3

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-5814

1981.

ATTENTION: E.P. Dillon

Sample Number	6 Cu ppm	10 Pb ppm	15 Zn ppm	20 Ni ppm	25 Co ppm	30 Ag ppm	35 Fe ppm	40 Hg ppb	45 As ppm	50 Mn ppm	55 Au ppb	60 Ba ppm	65 V ppm	70	75	80
RR-DK81-0031		✓ 21	109			12						1200	126			
		32	✓ 13	100		25						1730	83			
		33	✓ 18	78		09						1120	109			
		34	✓ 23	76		05						980	130			
		35	✓ 24	180		07						2200	154			
		36	✓ 18	203		11						2600	130			
		37	✓ 10	149		11						2100	78 (20M)			
		38	✓ 14	137		00						1620	66			
		39	✓ 19	49		05						1240	97			
		40	✓ 20	90		08						1460	150			
		41	✓ 24	113		10						1230	131			
		42	✓ 10	75		25						940	49			
		43	✓ 22	275		35						1950	119			
		44	✓ 10	71		10						1500	24			
		45	✓ 20	139		07						1230	133			
		46	✓ 18	119		18						1290	86			
		47	✓ 9	45		32						1520	23 (40M)			
		48	✓ 14	25		04						1600	88			
		48	✓ 7	24		03						1290	17			
		50	✓ 2	21		18						1190	22			
		51	✓ 26	14		18						1020	141			
		52	✓ 22	216		16						2000	82			
		53	✓ 23	118		18						1840	80			
		54	✓ 22	97		20						1820	132			
		55	✓ 13	30		04						1270	126			
		56	✓ 25	133		10						1500	163			
		57	✓ 5	146		15						2100	10			
		58	✓ 21	152		05						2200	86			
		59	✓ 21	123		23						2180	96 (40M)			
RR-DK81-0060		✓ 22	167			10						2100	149			

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GEOCHEMICAL ANALYSIS DATA SHEET

PROJECT No.: AFE 1414 FAC 08352

MIN - EN Laboratories Ltd.

DATE: July 3

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

PHONE (604) 980-5814

1981.

ATTENTION: E. P. Dillon

Sample Number	6	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80
	86	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppm	ppm	ppm
RR-DK81-0061			✓ 18	155				14						2000	77	
			✓ 11	46				14						1180	39	
			✓ 26	105				19						1450	104	
			✓ 20	124				18						1730	89	
			✓ 23	160				17						1700	112	
			✓ 22	217				19						2370	116	
			✓ 21	160				27						1760	111	
			✓ 14	151				16						1600	46	
			✓ 19	93				18						2230	69	
			✓ 22	63				26						1540	38 (20M)	
			✓ 19	61				12						1630	70	
			✓ 18	100				12						1670	97	
			✓ 19	98				31						2380	85 (20M)	
			✓ 13	55				09						1900	55	
			✓ 13	41				27						1020	36 (20M)	
			✓ 25	218				13						3800	110	
RR-DK81-0077			✓ 23	103				26						1630	108 (20M)	
RR-DK81-0079			✓ 25	101				12						1120	107	
			✓ 15	17				11						1270	34	
			✓ 16	58				08						1450	65	
			✓ 11	20				09						860	35	
			✓ 12	34				09						1400	31	
			✓ 15	65				11						1100	30	
			✓ 15	311				19						470	43 (40M)	
			✓ 13	26				12						930	27	
			✓ 21	69				09						1500	102	
			✓ 21	80				16						1980	99	
			✓ 14	41				09						1160	76	
			✓ 17	51				13						1750	68	
RR-DK81-0091			✓ 21	109				25						3920	86 (40M)	

E. P. Dillon

PROJECT No.: APE 1414 FAC 08352

MIN-EN Laboratories Ltd.

DATE: July 3

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

1981.

PHONE (604) 980-5814

ATTENTION: E.P. Dillon

Sample Number	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb	Ba ppm	V ppm
81	100	105	110	115	120	125	130	135	140	145	150	155
RR-DK81-0092	✓ 16	265			22						2500	85
	✓ 17	96			13						1380	70
	✓ 22	166			13						2300	101
	✓ 23	107			10						1540	94
	✓ 23	120			11						1490	116
	✓ 23	265			12						2140	88
	✓ 23	91			12						1700	109
	✓ 19	32			15						1120	93
0100	✓ 21	84			08						1370	83
01	✓ 19	189			09						1790	89
	✓ 19	261			10						2650	128
	✓ 17	68			07						1600	110
	✓ 33	125			13						2300	174
	✓ 50	158			22						nes	164 (20M)
	✓ 21	197			15						2880	128 (20M)
	✓ 22	147			34						1500	118 (20M)
	✓ 20	40			08						1100	82
	✓ 17	63			25						1750	83 (20M)
	✓ 24	14			09						1030	89
	✓ 20	14			07						1000	116
	✓ 28	100			16						1600	107
	✓ 18	112			10						1240	153
	✓ 21	157			14						2200	129
	✓ 23	178			09						1900	163
	✓ 18	207			16						2780	84
	✓ 23	277			21						3980	143 (20M)
	✓ 20	8			07						1060	85
	✓ 23	83			10						1800	122
	✓ 18	179			12						1980	76
RR-DK81-0121	✓ 24	158			13						1910	80

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GEOCHEMICAL ANALYSIS DATA SHEET

1550
DATE: July 11 1981.

PROJECT No.: AFE 1414 FAC 08352

MIN-EN Laboratories Ltd.

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-5314

ATTENTION: E. P. Dillon

Sample Number	6 Na ppm	10 Cu ppm	15 Pb ppm	20 Zn ppm	25 Ni ppm	30 Co ppm	35 Ag ppm	40 Fe ppm	45 Hg ppb	50 As ppm	55 Mn ppm	60 Au ppb	65 V ppm	70 Ba ppm	75 80
RR-DK81-0125			✓ 16	78			05						88	970	
			✓ 26	44			10						19	2290	
			✓ 27	102			10						91	1440	
			✓ 28	108			09						92	1230	
			✓ 29	101			09						120	1580	
			✓ 30	101			09						146	1680	
			✓ 31	97			21						147	1160	
			✓ 32	367			15						48	1330(20M)	
			✓ 33	830			06						26	900(40M)	
			✓ 34	42			11						46	1120	
			✓ 35	68			23						42	1330(40M)	
			✓ 36	71			17						69	1630	
			✓ 37	106			30						129	2630	
			✓ 38	43			13						77	1490	
			✓ 39	20			12						28	1400	
			✓ 40	129			21						61	1500(20M)	
			✓ 41	22			27						22	1360	
			✓ 42	113			14						128	2300	
			✓ 43	105			24						94	1940	
			✓ 44	154			29						109	2000	
			✓ 45	112			19						59	1890(20M)	
			✓ 46	162			19						65	2840	
			✓ 47	303			19						106	3600	
			✓ 48	58			18						65	1830(40M)	
			✓ 49	168			18						87	1910	
			✓ 50	211			09						104	3160	
			✓ 51	26			14						35	900(40M)	
			✓ 52	163			22						131	1720(40M)	
			✓ 53	237			25						150	1200	
RR-DK81-0154			✓ 12	60			10						50	910	

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PROJECT No: AFR 1414 FAC 08352

MIN-EN Laboratories Ltd.

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-8814

ATTENTION: E.P. Dillon

Sample Number	6	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80
	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb	V ppm	Ba ppm		
51	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160
RR-DK81-0155			✓	18	84			10						106	800	
			✓	20	103			10						72	730	
			✓	16	82			08						102	690	
			✓	24	141			12						77	1160	
			✓	16	83			09						64	820	
			✓	14	57			07						55	730	
			✓	21	130			08						81	1570	
			✓	20	111			16						96	1240	
			✓	13	94			10						67	830	
			✓	18	133			06						111	1720	
			✓	17	72			10						89	1400	
			✓	6	18			08						25	1000	
			✓	12	33			14						28	1210 (40M)	
			✓	11	91			10						97	1360	
			✓	10	90			12						93	1170	
			✓	10	30			39						91	1850	
			✓	12	66			09						84	1200	
			✓	10	82			40						75	1020	
			✓	18	234			09						120	1570	
			✓	17	114			11						135	1420	
			✓	6	19			06						29	800	
			✓	17	189			08						108	1620	
			✓	22	195			27						160	1230	
			✓	24	188			10						155	1330	
			✓	23	193			09						150	1150	
			✓	21	164			08						140	1090	
			✓	14	119			06						47	990	
			✓	12	56			05						70	1120	
			✓	10	75			04						73	1120	
RR-DK81-0184			✓	10	37			07						43	1360	

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PROJECT No.: AFE 1414 FAC 08352

MIN - EN Laboratories Ltd.

DATE: July 11

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-5914

ATTENTION: E.P. Dillon

1981.

Sample Number	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb	V ppm	Ba ppm
BR-DK81-0200	✓ 19	105			03						57	900
	01	✓ 29	117		05						102	920
	02	✓ 15	102		07						64	740
	03	✓ 15	84		05						57	650
	04	✓ 16	82		07						57	870
	05	✓ 18	87		08						86	900
	06	✓ 15	80		08						79	1020
	07	✓ 21	109		10						93	1100
	08	✓ 5	28		09						40	730
	09	✓ 19	124		10						108	980
	10	✓ 16	70		10						74	840
	11	✓ 12	76		09						71	1130
	12	✓ 38	85		11						92	1040
	13	✓ 20	250		20						132	1870
	14	✓ 10	133		11						37	910 (20M)
	15	✓ 9	63		06						61	1110
	16	✓ 10	190		25						255	1280
	17	✓ 20	106		09						102	920
	18	✓ 19	104		08						107	1140
	19	✓ 21	190		14						155	1360
	20	✓ 15	380		42						365	1170
	21	✓ 6	36		07						28	710
	22	✓ 7	42		07						42	740
	23	✓ 16	106		10						97	890
	24	✓ 6	20		08						19	560
	25	✓ 14	64		07						56	820
	26	✓ 14	42		09						66	790
	27	✓ 15	70		08						83	700
	28	✓ 17	69		07						64	890
BR-DK81-0229	✓ 22	128			11						75	620

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PROJECT No.: AFE 1414 FAC 08352-

MIN - EN Laboratories Ltd.

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-5814

ATTENTION: E. P. Dillon

6	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80
Sample Number	Mo ppm	Sr ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb	V ppm	Ba ppm	
81	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160
RR-DK21-0230			✓ 10	110			19						76	1480	
		31	✓ 13	67			07						72	1400	
		32	✓ 15	148			20						79	1850	
		33	✓ 17	100			06						95	1300	
		34	✓ 11	60			06						56	1130	
		35	✓ 16	66			09						55	1050	
		36	✓ 21	146			18						93	1700	
		37	✓ 13	128			20						78	1500	
		38	✓ 10	83			08						23	2480	
		39	✓ 20	165			22						110	1130	
		40	✓ 19	111			09						93	1140	
		41	✓ 10	20			14						36	730	
		42	✓ 17	70			07						90	1050	
		43	✓ 25	116			20						116	1320	
		44	✓ 22	61			10						64	1030	
		45	✓ 17	44			09						58	940	
		46	✓ 26	156			14						130	1230	
		47	✓ 17	66			12						91	1350	
		48	✓ 11	139			10						55	1220	
		49	✓ 7	26			06						38	1300	
		50	✓ 18	425			42						175	2070	
		51	✓ 21	140			10						123	1570	
		52	✓ 10	62			16						59	1100	
		53	✓ 19	61			09						81	1080	
		54	✓ 15	82			12						57	1720	
		55	✓ 17	63			18						59	1130	
		56	✓ 19	111			07						96	1400	
		57	✓ 16	62			09						53	940	
		58	✓ 6	16			06						17	830	
RR-DK31-0259			✓ 21	80			08						93	1120	

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PROJECT No.: AFE 1414 FAC 08352

MIN-EN Laboratories Ltd.

DATE: July 11

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-5814

ATTENTION: F. P. Dillon

1981

Sample Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb	V ppm	Ba ppm	
6	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80
81	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160
RR-DK81-02	31	✓	6	40			05						16	650	
	32	✓	10	63			09						33	670	
	33	✓	13	190			29						118	1030	
	34	✓	18	147			13						130	1130	
	35	✓	17	214			15						165	1160	
	36	✓	6	31			05						26	520	
	37	✓	6	30			07						25	630	
	38	✓	12	101			22						130	680	
	39	✓	11	37			16						48	670	
	40	✓	8	32			17						37	640	
	41	✓	6	50			05						39	700	
	42	✓	17	104			23						92	840	
	43	✓	20	178			40						155	1130	
	44	✓	12	107			26						90	1330	
	45	✓	12	67			13						86	830	
	46	✓	10	49			17						39	780	
	47	✓	16	86			15						66	1100	
	48	✓	14	76			11						59	1000	
	49	✓	15	44			13						32	900	
03	00	✓	17	89			08						60	700	
	01	✓	26	225			14						93	810	
	02	✓	15	189			08						54	890	
	03	✓	20	118			07						72	530	
	04	✓	20	115			10						106	910	
	05	✓	14	174			26						220	1820	
	06	✓	9	64			13						75	840	
	07	✓	16	105			05						85	1360	
	08	✓	20	169			11						205	1440	
	09	✓	13	85			06						72	1430	
RR-DK81-03	10	✓	20	180			53						02	1900	

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PROJECT No.: AFE 1414 FAC 08352

MIN - EN Laboratories Ltd.

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-5814

ATTENTION: F. P. Dillon

Sample Number	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb	V ppm	Ba ppm		
6 86	10 90	15 95	20 100	25 105	30 110	35 115	40 120	45 125	50 130	55 135	60 140	65 145	70 150	75 155	80 160
RR-DK81-0311	✓	13	57			03						125	820		
	✓	9	47			03						65	1070		
	✓	5	12			02						20	1010		
	✓	14	92			02						120	990		
	✓	17	132			03						105	1440		
	✓	13	130			02						85	1450		
	✓	14	174			03						100	1330		
	✓	11	131			03						95	1890		
	✓	15	46			02						75	1030		
	✓	20	130			03						125	1300		
	✓	24	176			07						110	1480		
	✓	22	232			02						120	1990		
	✓	10	145			03						50	1250		
	✓	13	130			04						90	2200		
	✓	20	179			03						145	2130		
	✓	24	145			14						160	1190		
	✓	14	73			02						70	1240		
	✓	9	69			02						50	1080		
	✓	3	55			03						45	1500		
	✓	18	92			03						60	930		
	✓	10	12			03						35	820		
	✓	19	111			15						210	1170		
	✓	11	27			03						35	700		
	✓	21	262			04						115	960		
	✓	34	182			85						163	1360		
	✓	25	230			16						135	1640		
	✓	14	90			02						82	1120		
	✓	13	58			04						53	1200		
	✓	18	396			12						245	4700		
RR-DK81-0340	✓	27	980			37						205	2400		

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PROJECT No.: AEE 1414 FAC 02352

MIN - EN Laboratories Ltd.

DATE: July 1

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 990-5814

1981.

ATTENTION: E. P. Dillon

Sample Number	Mo ppm	Cu PPM	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb	V ppm	Ba ppm		
81	86	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160
RR-DK81-0341			✓ 30	272			68						175	5650		
		42	✓ 14	91			05						68	1100		
		43	✓ 19	70			02						55	940		
		44	✓ 22	106			03						68	910		
		45	✓ 20	123			06						100	800		
		46	✓ 8	23			06						25	690		
		47	✓ 15	137			04						93	920		
		48	✓ 15	220			13						145	1300		
		49	✓ 13	59			04						55	900		
		51	✓ 22	128			02						78	1100		
		52	✓ 10	83			02						75	830		
		53	✓ 6	7			02						28	680		
		54	✓ 13	120			02						95	1030		
		55	✓ 14	84			04						75	920		
		56	✓ 17	117			02						110	1130		
		57	✓ 14	45			05						80	870		
		58	✓ 11	56			03						55	1330		
		59	✓ 13	68			02						53	1000		
		60	✓ 18	192			05						93	2500		
		61	✓ 13	132			08						78	1770		
		62	✓ 3	14			03						23	640		
		63	✓ 9	29			05						35	800		
		64	✓ 4	7			06						22	630		
		65	✓ 6	156			10						20	330 (20%)		
		66	✓ 23	68			02						85	1320		
		67	✓ 12	91			04						105	1580		
		68	✓ 12	142			12						72	2080		
		69	✓ 12	84			05						85	1180		
RR-DK81-0370			✓ 18	122			04						93	1330		

E. P. Dillon

PROJECT No.: AFE 1414 TAG 08352

MIN - EN Laboratories Ltd.

DATE: July 1

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-5814

1981.

ATTENTION: E.P. Dillon

Sample Number	6 Mo ppm	10 Sr ppm	15 Pb ppm	20 Zn ppm	25 Ni ppm	30 Co ppm	35 Ag ppm	40 Fe ppm	45 Hg ppb	50 As ppm	55 Mn ppm	60 Au ppb	65 V ppm	70 Ba ppm	75 	80
RR-DXC1-0371			✓ 12	12			13						22	900		
			72	✓ 13	415		12						185	360		
			73	✓ 13	690		13						700	320		
			74	✓ 14	63		12						75	830		
			75	✓ 11	61		07						70	760		
			76	✓ 13	132		09						105	1020		
			77	✓ 15	102		08						85	930		
			78	✓ 15	84		06						72	1020		
			79	✓ 6	53		18						23	920 (20M)		
			80	✓ 4	73		05						13	320 (20M)		
			81	✓ 7	87		13						57	1430		
			82	✓ 10	310		12						102	2640		
			83	✓ 17	298		10						115	2300		
		0384		16	270		11						85	2740		
		0400		✓ 15	180		10						122	1470		
		01		✓ 16	196		12						75	1600		
		02		✓ 11	82		03						72	2290		
		03		✓ 11	95		06						65	1200		
		04		✓ 11	112		03						105	1420		
		05		✓ 10	92		05						80	1170		
		06		✓ 8	37		04						42	1670		
		07		✓ 7	38		06						35	1200		
		08		✓ 5	37		07						30	1230		
		09		✓ 15	117		07						110	340		
		10		✓ 14	116		06						127	1530		
		11		✓ 15	115		08						122	1460		
		12		✓ 12	88		09						120	1200		
		13		✓ 4	57		06						65	1600		
		14		✓ 14	205		12						117	1760		
RR-DXC1-0415			✓ 18	36			14						62	890		

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PROJECT No.: AFE-1414-FAC-08352

MIM-EN Laboratories Ltd.
705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-5814

DATE: July 11

1981

ATTENTION: E. P. Dillon

Sample Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb	V ppm	Ba ppm
RR-DKC1-0416			✓ 18	270			18						175	1230
			✓ 9	208			12						95	1630
			✓ 11	192			08						60	3300
			✓ 7	110			10						55	1540
			✓ 13	125			12						102	1200
			✓ 12	153			41						400	1640(40M)
			✓ 7	88			16						72	690
			✓ 11	169			15						47	1320
			✓ 11	197			08						74	1250
			✓ 10	210			10						115	1400
			✓ 8	180			09						70	1500
			✓ 7	77			10						65	1100
			✓ 11	100			07						55	1180
			✓ 13	98			07						48	1220
			✓ 26	261			10						130	1380
			✓ 21	240			12						115	2450
			✓ 23	185			13						112	1180
			✓ 23	150			14						103	1170
RR-DKC1-0434			✓ 30	226			12						126	1160

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COMP.:

Gulf Minerals Canada

GEOCHEMICAL ANALYSIS DATA SHEET

No. 1-689

PROJECT No.: AFE 1414 FAC 08352

MIN - EN Laboratories Ltd.

DATE: Sept. 2 1981.

ATTENTION: E.P. Dillon

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-5814

Sample Number	MX	X	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Xg	Xb	Mn ppm	Au ppb	V ppm	Ba ppm	
81	86	90	95	100	105	110	115	120	125	130	135	140	145	150	155
RR-DK-81-1258			9	93				39						79	1290
		59	13	138				78						182	1900
		60	15	122				142						133	1730
		61	10	127				10						94	1170
		62	10	132				13						75	1900
		63	7	37				21						44	1690
		64	11	247				66						310	2100
		65	5	34				08						27	1370
		66	9	215				25						121	1430
		67	9	46				19						53	1300
		68	12	44				21						58	1590
		69	13	55				20						98	1480
		70	9	41				10						61	1360
		71	13	37				06						53	1250
		72	13	56				12						75	1530
		73	15	356				21						207	2300
		74	13	91				12						74	1310
		75	15	92				11						83	1270
		76	15	860				38						390	2540
		77	11	73				08						77	1300
		78	13	139				13						102	1520
		79	19	170				11						139	1440
		80	28	1030				34						320	3440
		81	6	9				05						22	690
		82	9	92				09						54	1540
		83	17	573				15						285	2700
		84	20	550				26		(40 mesh)				202	2690
		85	13	73				08						87	1000
		86	19	430				37						290	4820
RR-DK-81-1287			18	135				11						138	2200

COMPAN: Gulf Minerals Canada

GEOCHEMICAL ANALYSIS DATA SHEET

File No. 1-009

PROJECT No.: AFE 1414 FAC 08352

MIN - EN Laboratories Ltd.

DATE: Sept. 2,

ATTENTION: E.P. Dillon

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 950-5814

1981.

Sample Number	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Mn ppm	Au ppb	V ppm	Ba ppm
RR-DK-81-1288	13	100			21				54	1270
	89	12			11				36	1200
	90	20			08				97	1520
	91	23			10				128	1940
	92	16			13				58	1330
	93	23			14				124	1960
	94	18			14				149	1760
	95	18			13				147	1300
	96	9			08				13	840
	97	8			06				46	690
	98	17			09				79	1420
	99	15			21				128	1050
	1300	13			16				64	1080
	01	16			29	(40mesh)			102	930
	02	8			09	(40mesh)			34	700
	03	12			19				98	nes
	04	7			09				23	680
	05	19			14				96	1120
	06	15			08				95	1000
	07	7			07				56	800
	08	9			05				41	700
	09	4			07				13	920
	10	14			16				72	1170
	11	23			17				138	1320
	12	15			11				97	1120
	13	17			12				64	900
	14	8			11				35	1040
	15	17			12				52	890
	16	18			09				104	1400
RR-DK-81-1317	15	70			09				46	1300

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PROJECT No: AFE 1414 FAC08352

MIN - EN Laboratories Ltd.

DATE: Sept. 2

ATTENTION: E.P. Dillon

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 930-5814

1981.

Sample Number	6 Mg ppm	10 Si ppm	15 Sr ppm	20 Pb ppm	25 Zn ppm	30 Ni ppm	35 Co ppm	40 Ag ppm	45 Fe ppm	50 Cu ppm	55 Zn ppm	60 Mn ppm	65 Au ppb	70 V ppm	75 Ba ppm	80
31	86	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160
RR-DK-81-1318				19	112			1.1						48	1790	
		19		20	244			1.4						69	2830	
		20		16	96			1.9						77	2220	
		21		28	1180			5.5						520	6270	
		22		14	116			1.2						136	1730	
		23		12	154			1.3						127	1300	
		24		14	102			1.4						82	2000	
		25		27	272			3.4						180	1920	
		26		18	166			1.7						108	2270	
		27		16	142			3.2		(40 mesh)				48	1800	
		28		18	132			1.3						108	2500	
		29		16	148			1.4						124	2510	
		30		6	18			0.9						17	1150	
		31		13	60			1.0						50	1530	
		32		8	48			0.7						47	1270	
		33		19	134			1.1						108	1400	
		34		16	99			1.1						100	1330	
		35		13	120			1.8						63	1900	
		36		27	150			4.8						154	1830	
		37		19	700			2.5						300	3400	
		38		8	160			3.4						104	2280	
		39		18	335			1.8						217	2700	
		40		10	54			2.3						54	870	
		41		19	213			3.0						126	2150	
		42		11	82			0.9						52	1870	
		43		14	79			1.1						48	1170	
		44		18	205			1.2						78	2940	
		45		9	83			0.7						36	1550	
		46		17	160			1.0						70	2180	
RR-DK-81-1347				23	295			1.3						120	3400	

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COMPAN

Gulf Minerals Canada

GEOCHEMICAL ANALYSIS DATA SHEET

Form 1-117

PROJECT No: AFE 1414 FAC 08352

MIN-EN Laboratories Ltd.

DATE: Sept. 5

705 WEST 15th ST. NORTH VANCOUVER, B.C. V7M 1T7

1981.

ATTENTION: E.P. Dillon

PHONE (604) 280-5814

Sample Number	K	X	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb	V ppm	Ba ppm	
81	86	90	95	100	105	110	115	120	125	130	135	140	145	150	155
RR-DY-81-1356			6	25				20					9	620	
			57	12				10					17	700	
			58	102				09					59	990	
			59	98				19					67	1290	
			60	88				13					63	1110	
			61	39				09					29	730	
			62	96				12					79	1020	
			63	104				09					75	880	
			64	276				15					128	1700	
			65	110				10					42	1020	
			66	140				10					76	1000	
			67	26				09					26	900	
			68	98				13					67	710	
			69	25				08					20	720	
			70	33				10					30	700	
			71	101				11					126	790	
			72	79				10					36	1370	
			73	112				15					98	1190	
			74	74				29					74	990	
			75	113				16					37	760	
			76	220				25					143	1000	
			77	106				14					148	1540	
			78	195				19					174	730	
			79	79				18					81	790	
			80	73				14					129	760	
			81	143				21					203	800	
			82	188				51					205	1530	
			83	220				17					164	1020	
			84	164				25					135	1000	
RR-DY-81-1385			19	141				31					169	830	

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COMPAN Gulf Minerals Canada

GEOCHEMICAL ANALYSIS DATA SHEET

F. No. 1-117PROJECT No.: AFE 1414 FAC 08352

MIN - EN Laboratories Ltd.

DATE: Sept. 5705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-58141981.ATTENTION: E.P. Dillon

Sample Number	6	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80
	86	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160
	MX	X	Pb	Zn	Ni	Co	Ag	Fe	Hg	As	Mn	Au	V	Ba		
	Xm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppm	ppm	ppm	ppm
RR-DY-81-1386			34	230				61						690	1070	
		87	32	306				73						920	1080	
		88	13	100				15						81	1080	
		89	18	181				18						129	1170	
		90	15	94				09						70	1100	
		91	11	73				09						61	920	
		92	6	20				21						36	730	
		93	20	196				17						198	1580	
		94	12	136				15						106	1670	
		95	16	201				22						95	1570	
		96	20	104				11						147	890	
		97	15	213				19						121	1320	
		98	10	74				12						64	930	
		99	16	72				09						70	1030	
	1400		14	52				20						52	790	
		01	18	191				25						253	1130	
		02	14	37				13						50	780	
		03	16	78				10						107	1090	
		04	14	48				10						60	1000	
		05	14	47				11						63	910	
		06	20	93				12						111	1000	
		07	20	97				10						110	1010	
		08	9	13				24						15	600	
		09	8	172				08						123	1100	
		10	10	62				08						41	810	
		11	10	46				11						41	740	
		12	13	50				09						49	1200	
		13	14	89				20						81	820	
		14	16	205				37						94	1500	
RR-DY-81-1415			14	263				10						172	920	

COMPAL

Gulf Minerals Canada

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

PHONE (604) 980-5814

Area E

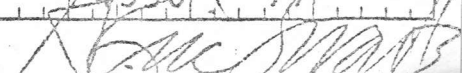
NO. 1308

DATE: July 3

ATTENTION: E. P. Dillon

1981.

Sample Number	6	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80
	Xp	Xm	Xn	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb	Ba ppm	V ppm	
81	86	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160
RR-DK81-20				2.1	24.6			0.7						41.00	9.0	(40M)
				2.0	20.9			0.7						44.60	7.1	(20M)
				2.0	26.0			1.0						76.50	9.7	
				2.0	30.6			0.8						57.00	9.4	(40M)
				2.3	29.5			1.1						46.70	12.2	
				2.2	27.2			1.1						52.00	9.7	
				2.0	24.5			0.9						40.00	11.6	
				1.8	20.8			1.0						41.00	10.2	(40M)
				2.0	19.2			0.9						45.00	9.4	(40M)
				1.9	66.5			1.1						38.70	9.4	(20M)
				2.1	70.0			1.7						73.00	12.5	(40M)
				1.7	52.5			0.9						29.00	10.8	(20M)
				3.6	43.0			2.8						27.70	17.6	
				2.0	32.6			1.2						31.00	8.6	(40M)
				2.8	37.1			1.3						46.70	12.6	
				1.7	39.6			1.0						35.20	12.7	
				1.9	22.7			0.8						35.00	8.3	
				1.7	22.8			0.6						31.00	7.5	(20M)
				1.8	28.0			0.8						38.00	8.9	(20M)
				1.9	61.0			1.1						95.00	11.4	(40M)
				1.8	53.5			0.9						60.00	10.3	(20M)
				1.9	67.5			1.3						44.90	15.4	(40M)
				1.9	57.5			1.1						33.00	12.9	(40M)
				2.6	35.5			2.6						29.50	15.8	
				1.8	26.5			1.1						46.00	8.2	(40M)
				2.3	50.0			1.9						34.00	14.3	
				2.1	35.2			1.3						46.00	8.0	(40M)
				1.9	47.0			1.3						39.00	11.4	(40M)
				1.5	23.3			0.8						29.20	7.1	(40M)
RR-DK81-20				1.7	38.2			1.0						43.50	7.7	



PROJECT No.: AFE 1414 FAG 08352

MIN - EN Laboratories Ltd.

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-5814

ATTENTION: E.P. Dillon

6	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	
Sample. Number	Cu ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb	Ba ppm	V ppm		
81	86	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160
RR-DK81-20	30		38	218				10						4100	89 (40M)	
	31		17	213				09						4300	78	
	32		20	238				10						4070	95	
	33		16	205				08						3350	78 (20M)	
	34		19	239				10						2990	93 (20M)	
	35		21	245				11						3430	94 (40M)	
	36		21	224				11						3300	92	
	37		22	319				13						3600	115	
	38		20	263				12						4000	108 (40M)	
	39		22	358				14						4150	132 (40M)	
	40		20	225				12						3750	94	
	41		21	242				13						4490	98 (40M)	
	42		23	325				19						5400	152	
	43		24	287				14						4300	110	
	44		22	290				14						4400	111	
	45		27	374				20						4100	194	
	46		22	270				14						4650	106	
	47		24	338				15						3700	118 (20M)	
	48		23	289				13						4900	114	
	49		22	306				13						4200	109 (20M)	
	50		24	417				13						3800	230	
	51		24	199				10						3200	83 (20M)	
	52		24	419				14						3620	140	
	53		25	253				15						3930	119 (40M)	
	54		25	234				13						3800	100 (40M)	
	55		23	297				14						2960	113	
	56		27	333				17						3040	109	
	57		23	280				12						3070	100 (40M)	
	58		24	412				18						3600	140	
RR-DK81-20	59		25	406				15						5980	173	

[Handwritten signature]

PROJECT No.: AFE 1414 FAC 08352

MIN - EN Laboratories Ltd.

DATE: July 11

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-5814

ATTENTION: E.P. Dillon

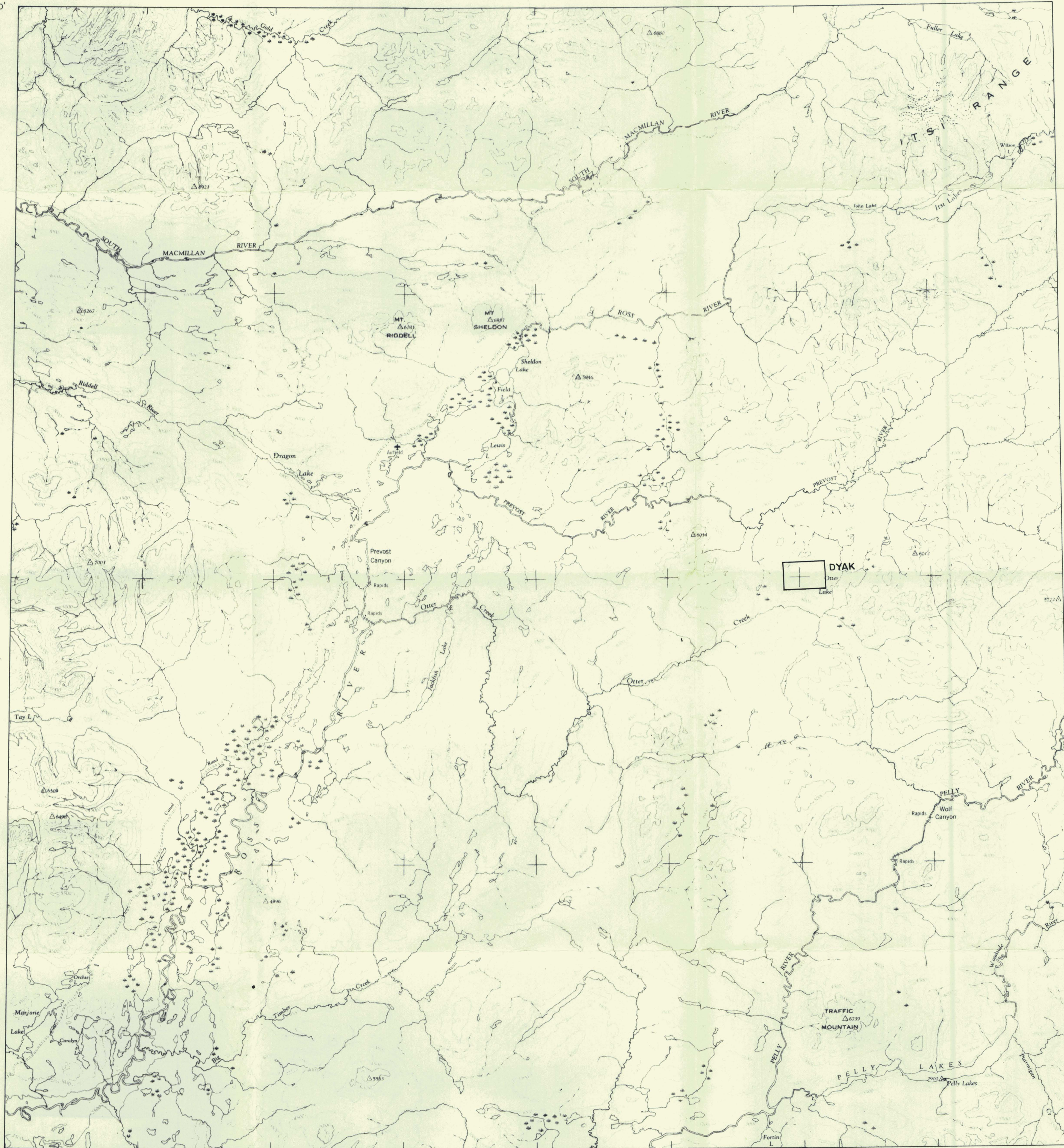
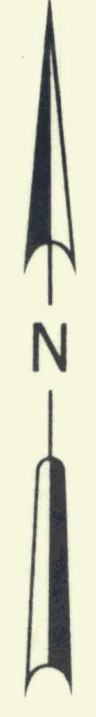
1981.

6	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	
Sample Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb	V ppm	Ba ppm		
81	86	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160
RR-DK81-20	73		19	670			79						560	19000		
	74		21	230			14						78	2490		
	75		15	343			11						95	2900		
	76		14	1100			12						1100	21800		
	77		13	425			08						80	7600 (40M)		
	78		15	202			10						105	2400		
	79		16	720			14						175	2350		
	80		16	370			12						95	1960		
	81		13	720			16						200	4650		
	82		18	530			17						148	3340		
	83		13	320			10						90	3350		
	84		13	560			09						125	2900		
	85		15	380			06						75	2690		
	86		14	412			10						60	3000		
	87		17	420			10						85	2500		
	88		17	745			12						125	2900		
	89		19	600			14						148	5300		
	90		18	284			12						100	3070		
	91		17	415			10						80	2920		
	92		18	395			12						110	2600		
	93		16	375			12						115	2400		
	94		12	390			10						85	4250		
	95		20	410			11						110	2800		
RR-DK81-20	96		11	305			06						70	2700 (20M)		

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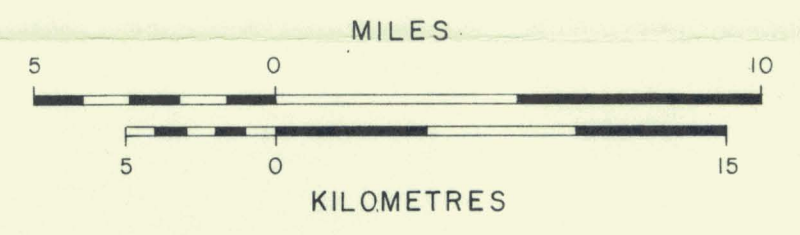
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63°00'



62°00'

130°00'



Gulf Minerals Canada Limited

CORDILLERAN SEDIMENTS PROJECT

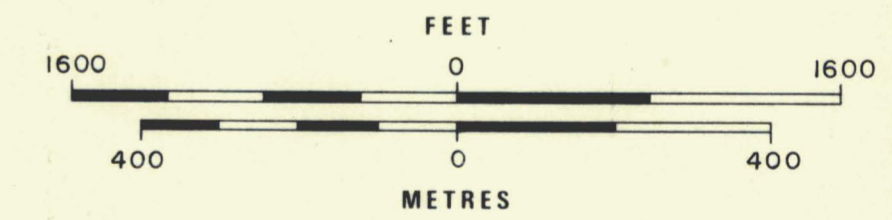
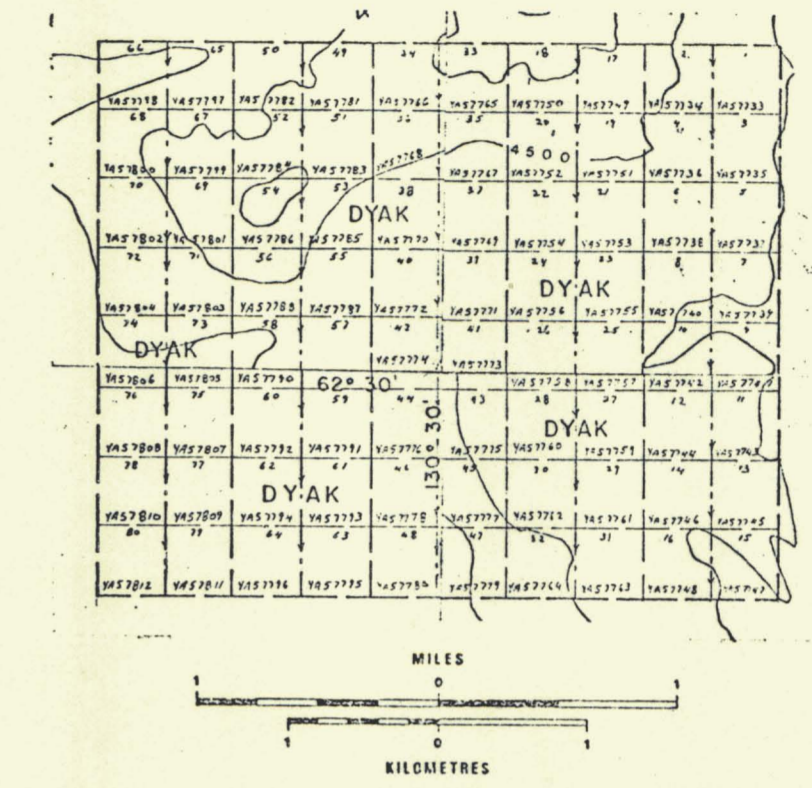
Location of the DYAK claims

YUKON TERRITORY

091001

DATE	SCALE	DRAWN BY	PLATE
	1: 250,000		NTS: 105 J

10W	9W	8W	7W	6W	5W	4W	3W	2W	1W	00
385	402	333	249	181	155	200	001	039	079	129
382	401	334	300	182	156	201	002	040	080	126
381	400	335	301	183	157	202	003	041	081	127
380	349	336	302	184	158	203	004	042	082	128
379	348	339	303	185	159	204	005	043	083	129
378	347	340	304	186	160	205	006	044	084	130
377	346	341	305	187	161	206	007	045	085	131
376	345	342	n.s.	188	162	207	008	046	086	132
375	337	343	n.s.	189	163	208	009	047	087	133
299	338	344	332	190	164	209	010	048	088	n.s.
298	403	351	331	191	165	210	011	049	089	134
297	404	352	n.s.	192	166	211	012	050	090	135
296	405	353	330	193	167	212	013	051	091	136
295	406	354	329	194	168	213	014	052	092	n.s.
294	407	355	328	195	169	214	015	053	093	137
293	408	356	327	196	170	215	016	054	094	138
292	409	357	326	197, 251	171	216	017	055	095	139
291	410	358	325	198	172	217	018	056	096	140
290	411	359	324	199	173	218	019	057	097	141
289	412	360	323	250	174	219	020	058	098	142
288	413	361	322	270, 71	175	220	021	059	099	143
287	414	362	321	269	176	221, 22	022	060	100	144
286	415	363	320	268	177	223	023	061	101	145
285	416	364	319	267	178, 79	224	024	062	102	146
284	417	365	318	266	248	225	025	063	103	147
283	418	366	317	265	247	226	026	064	104	148
282	419	367	316	264	246	227	027	065	105	149
281	420	368	315	263	245	228	028	066	106	150
280	421	369	314	262	244	229	029	067	107	151
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276	425	374	310	256	240	233	033	071	111, 118, 119	124
275	426	430	309	255	239	234	034	072	112	123
274	427	431	308	254	238	235	035	073	113	122
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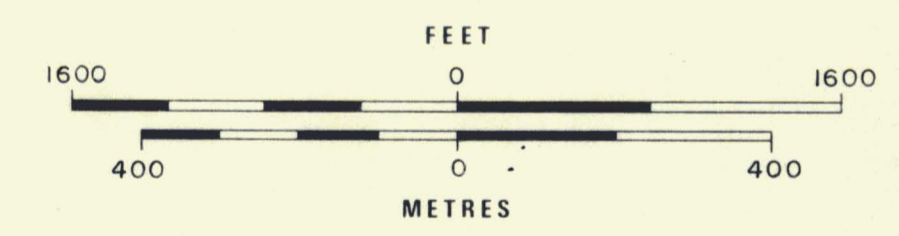
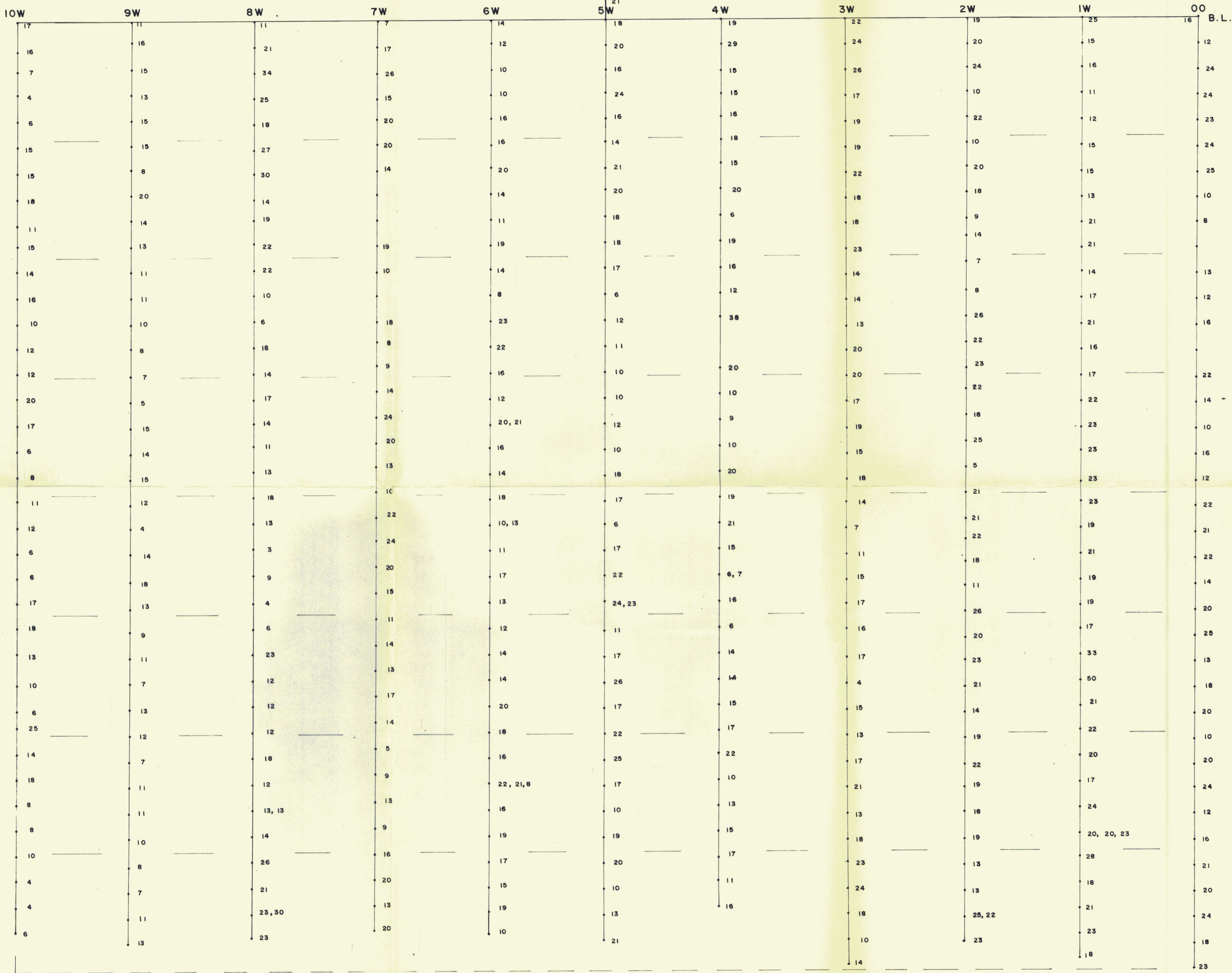


Gulf Minerals Canada Limited

ROSS RIVER PROJECT
DYAK Claims
 SAMPLE LOCATIONS

YUKON TERRITORY 091001

DATE: SEPT., '81	SCALE: 1:10,000	DRAWN BY: DSR	PLATE: 11a 5.12
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Gulf Minerals Canada Limited

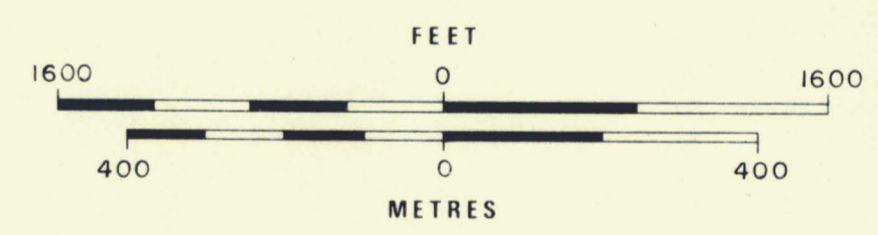
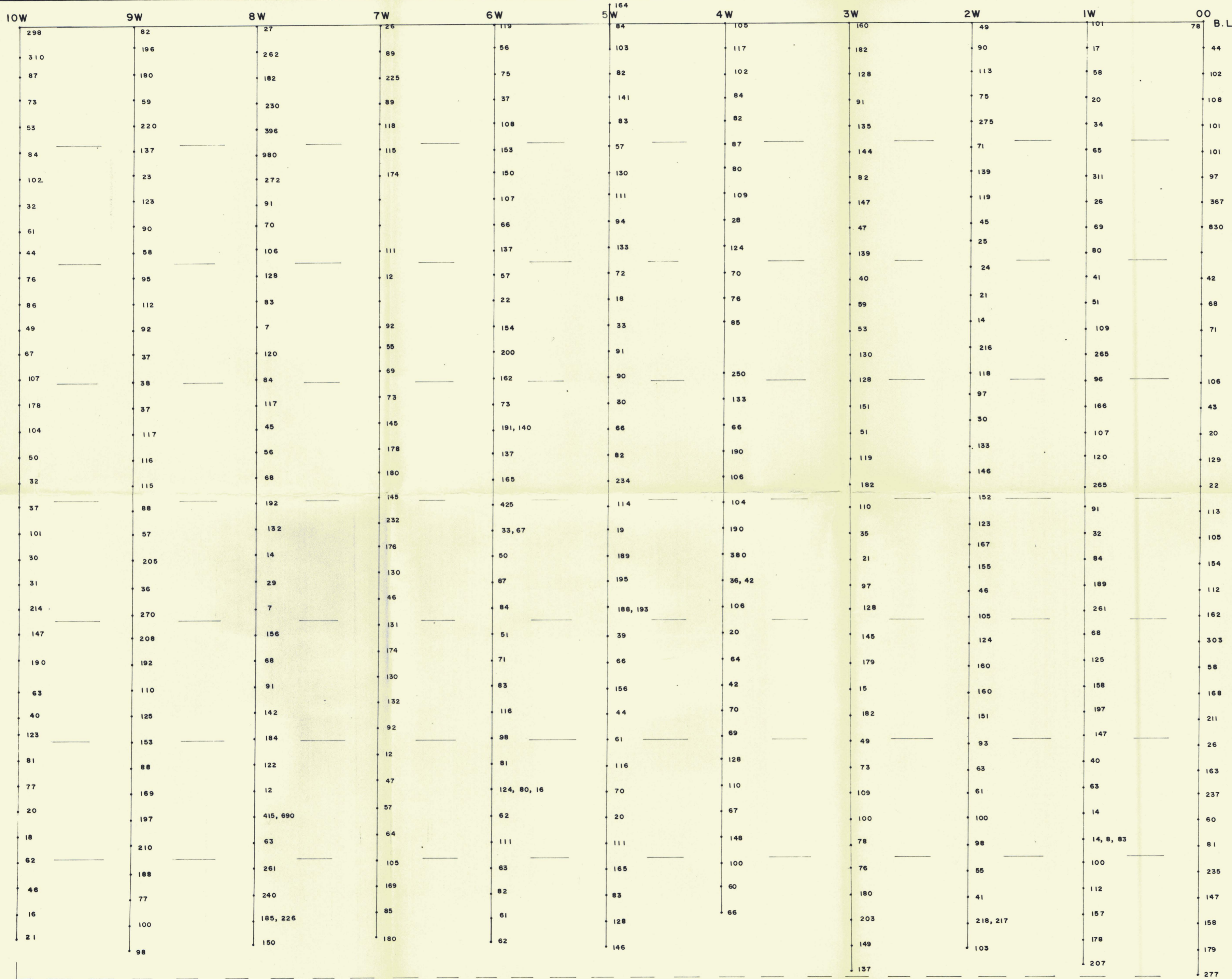
ROSS RIVER PROJECT

DYAK Claims

Pb in PPM

YUKON TERRITORY **091001**

DATE: SEPT., '81	SCALE: 1:10,000	DRAWN BY: DSR	PLATE: 11b 5.1.3
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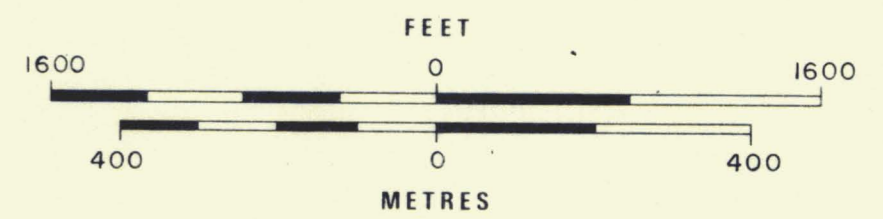
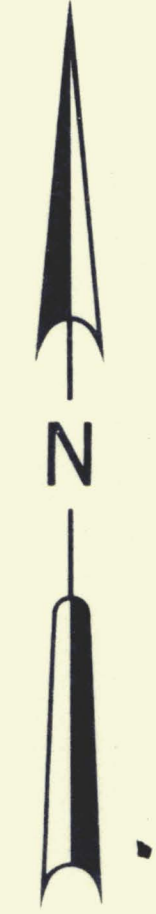
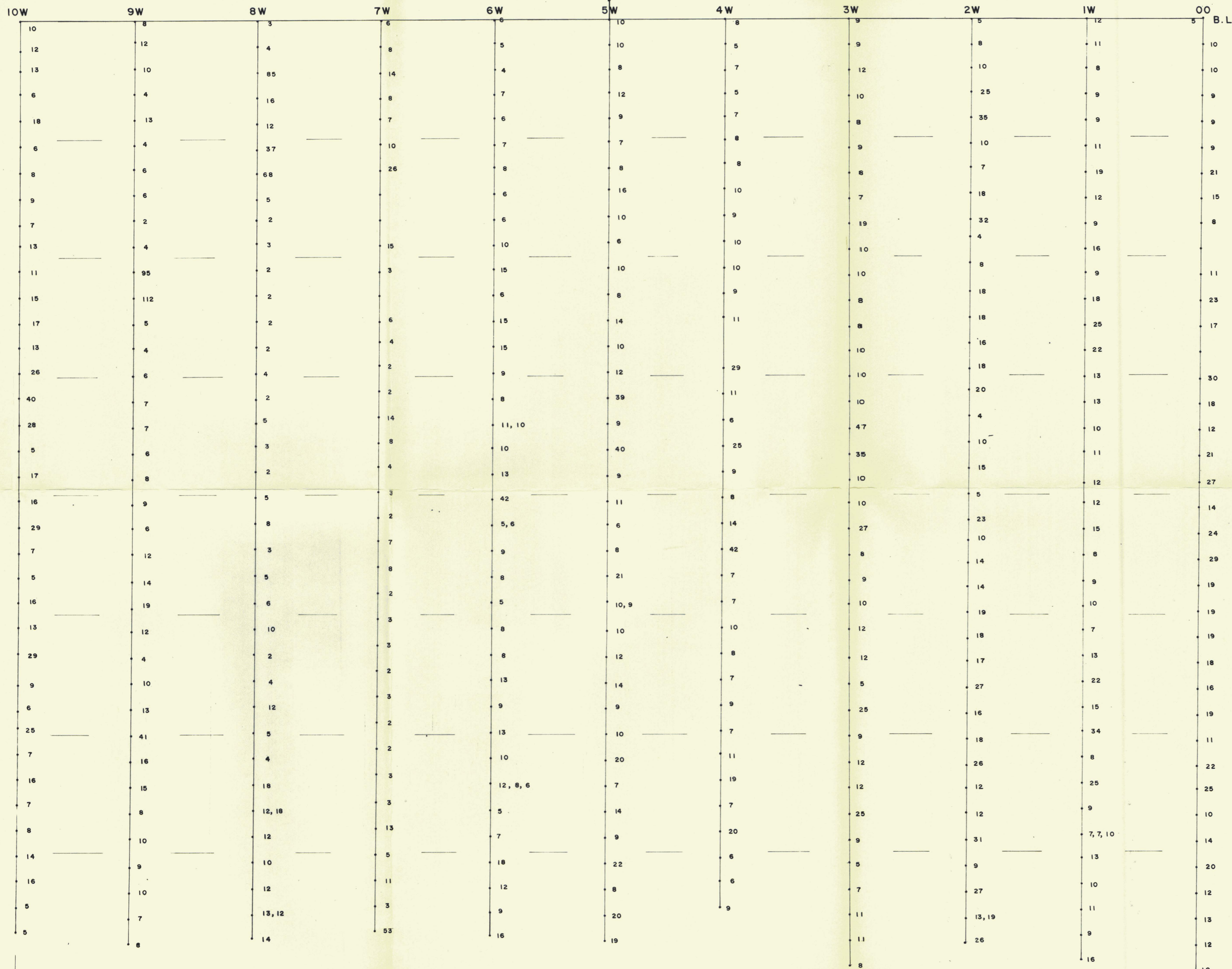


Gulf Minerals Canada Limited

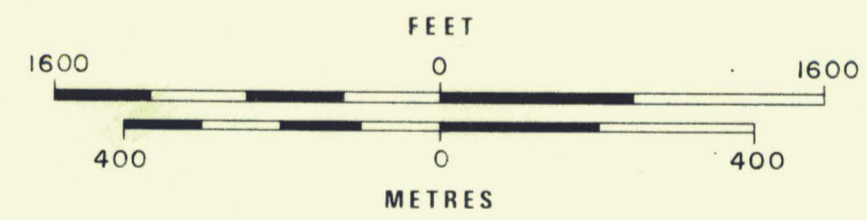
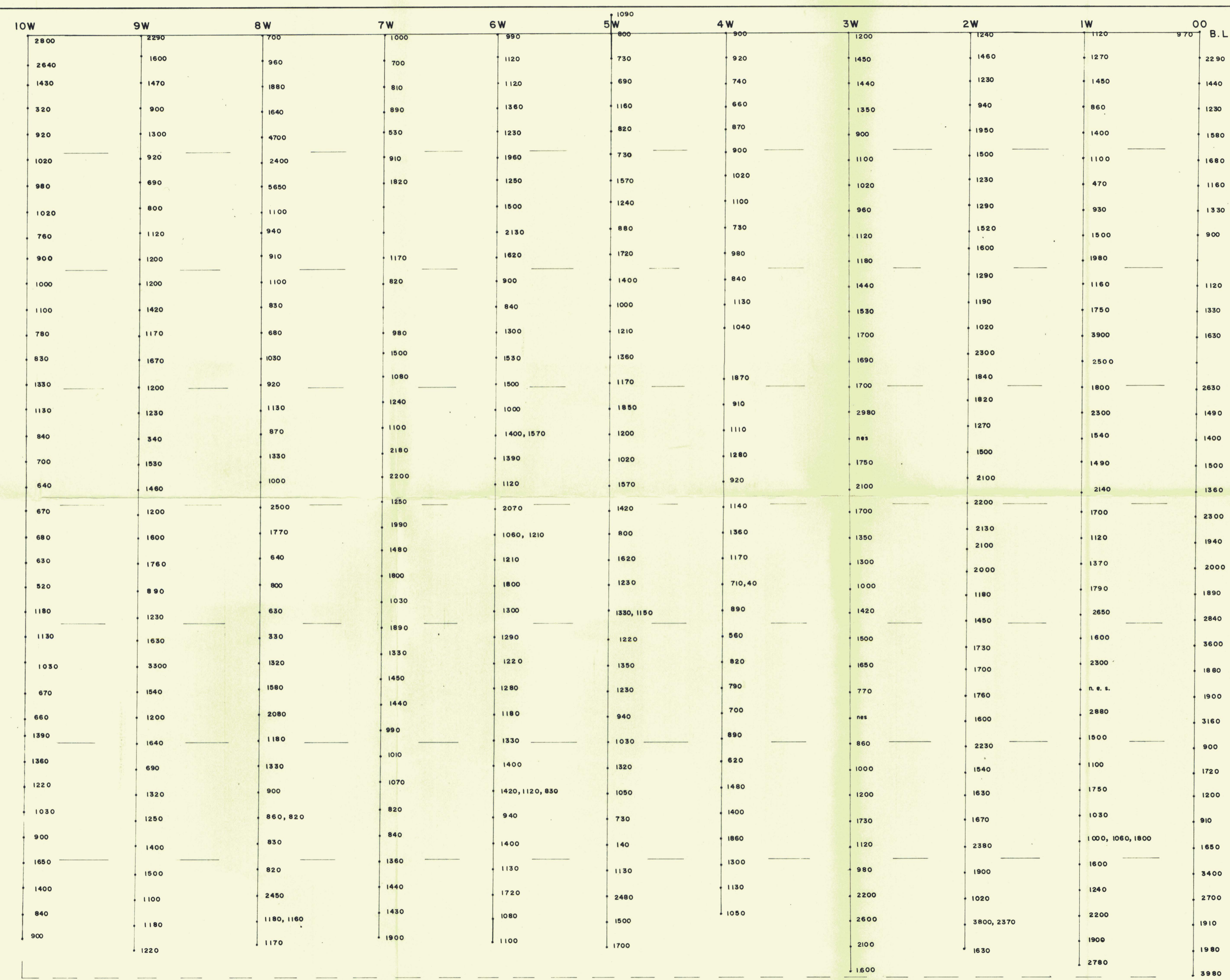
ROSS RIVER PROJECT
DYAK Claims
Zn in PPM

YUKON TERRITORY 091001

DATE: SEPT., '81	SCALE: 1:10,000	DRAWN BY: DSR	PLATE: 11c 5.1.4
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Gulf Minerals Canada Limited			
ROSS RIVER PROJECT			
DYAK Claims			
Ag in PPM x10			
091001			
YUKON TERRITORY			
DATE: SEPT., '81	SCALE: 1:10,000	DRAWN BY: DSR	PLATE: 11d 5.15



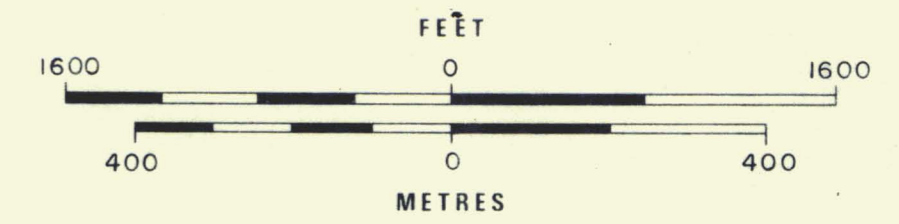
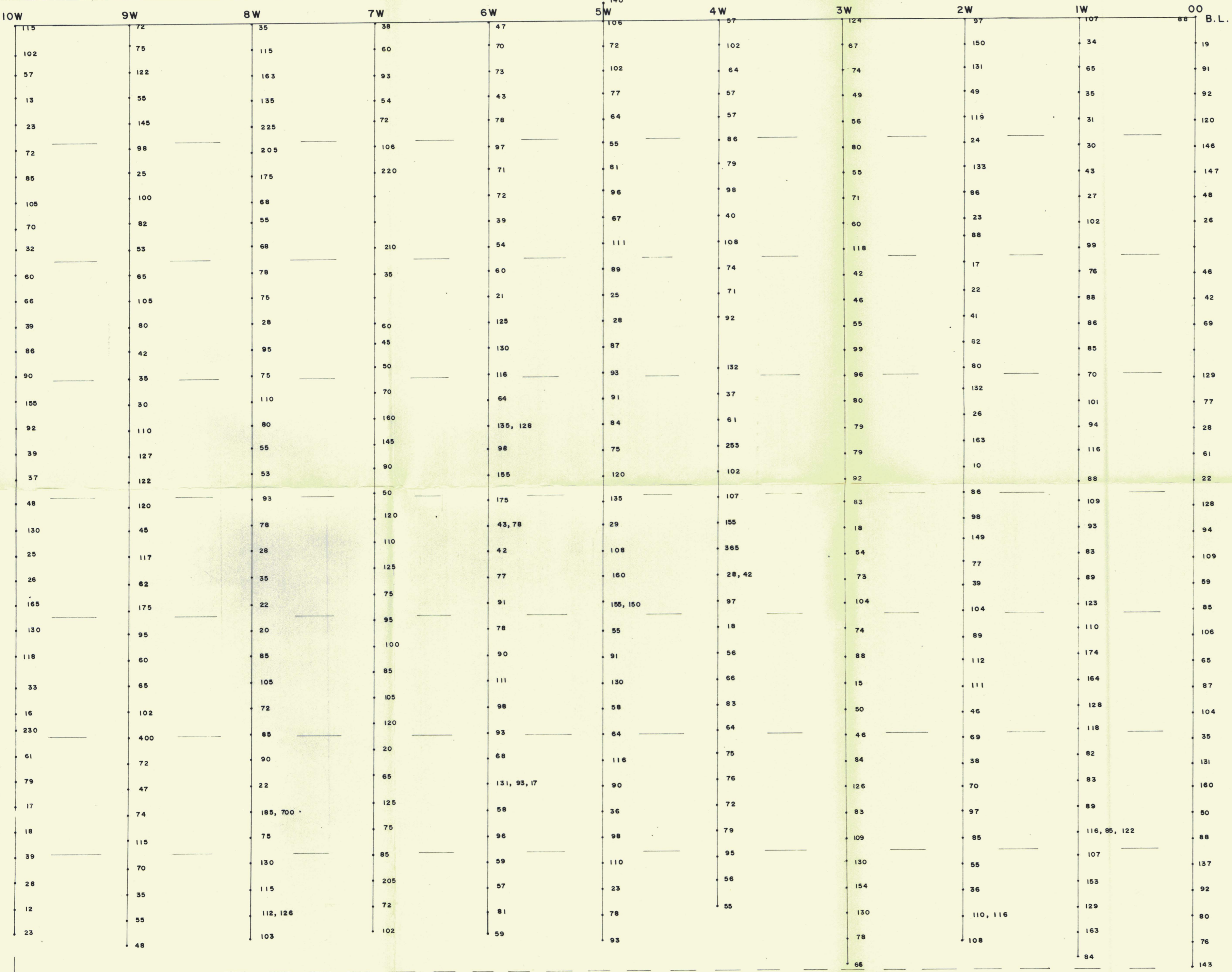
Gulf Minerals Canada Limited

ROSS RIVER PROJECT
DYAK Claims
Ba in PPM

091001

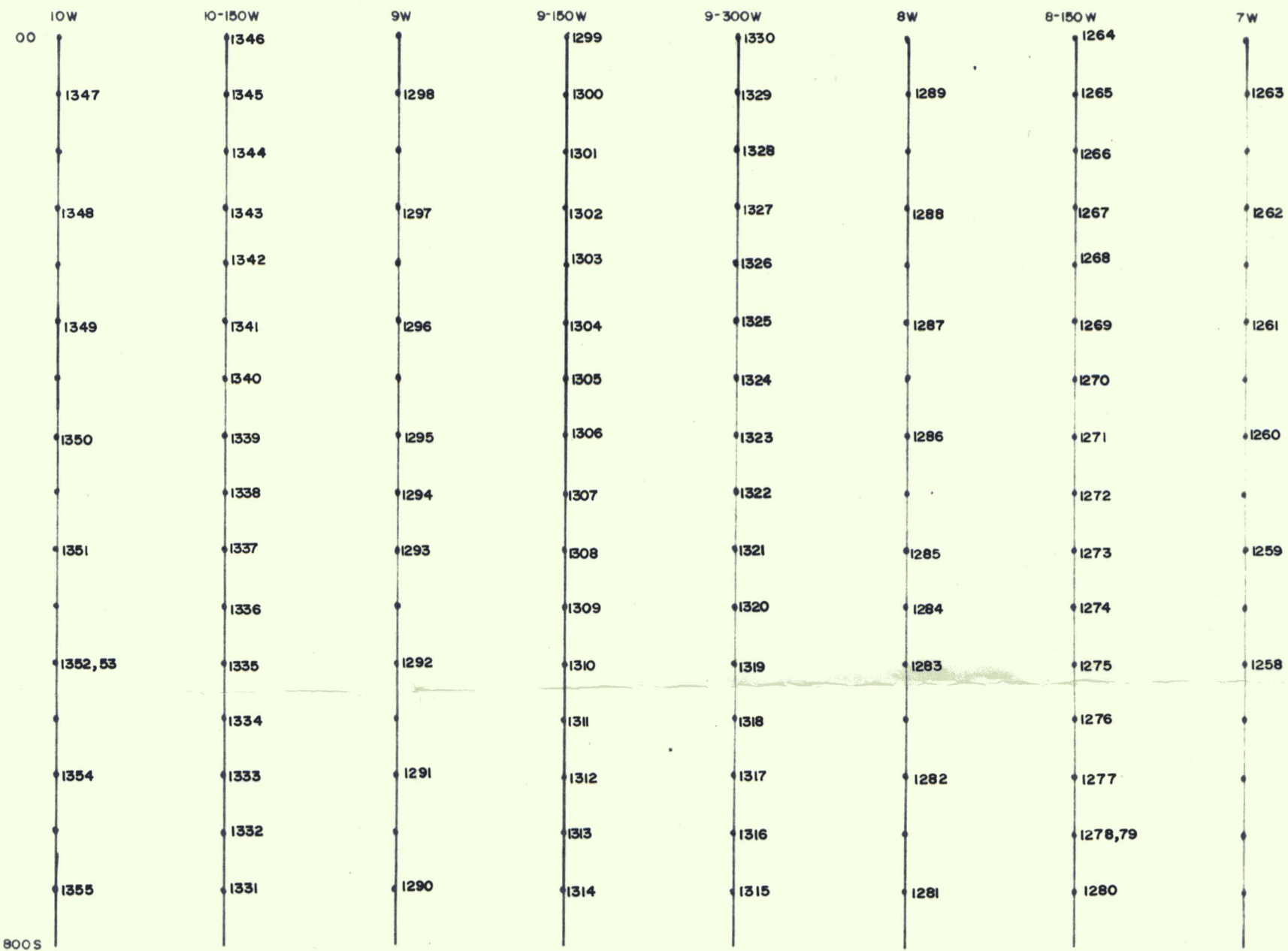
YUKON TERRITORY

DATE: SEPT., '81	SCALE: 1:10,000	DRAWN BY: DSR	PLATE: 1/e 5.1.6
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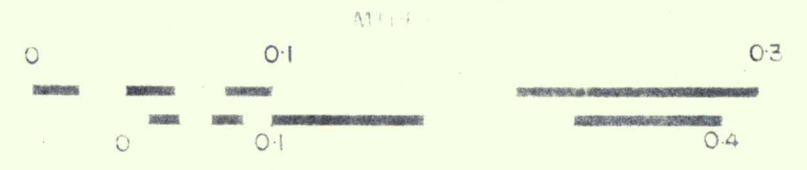
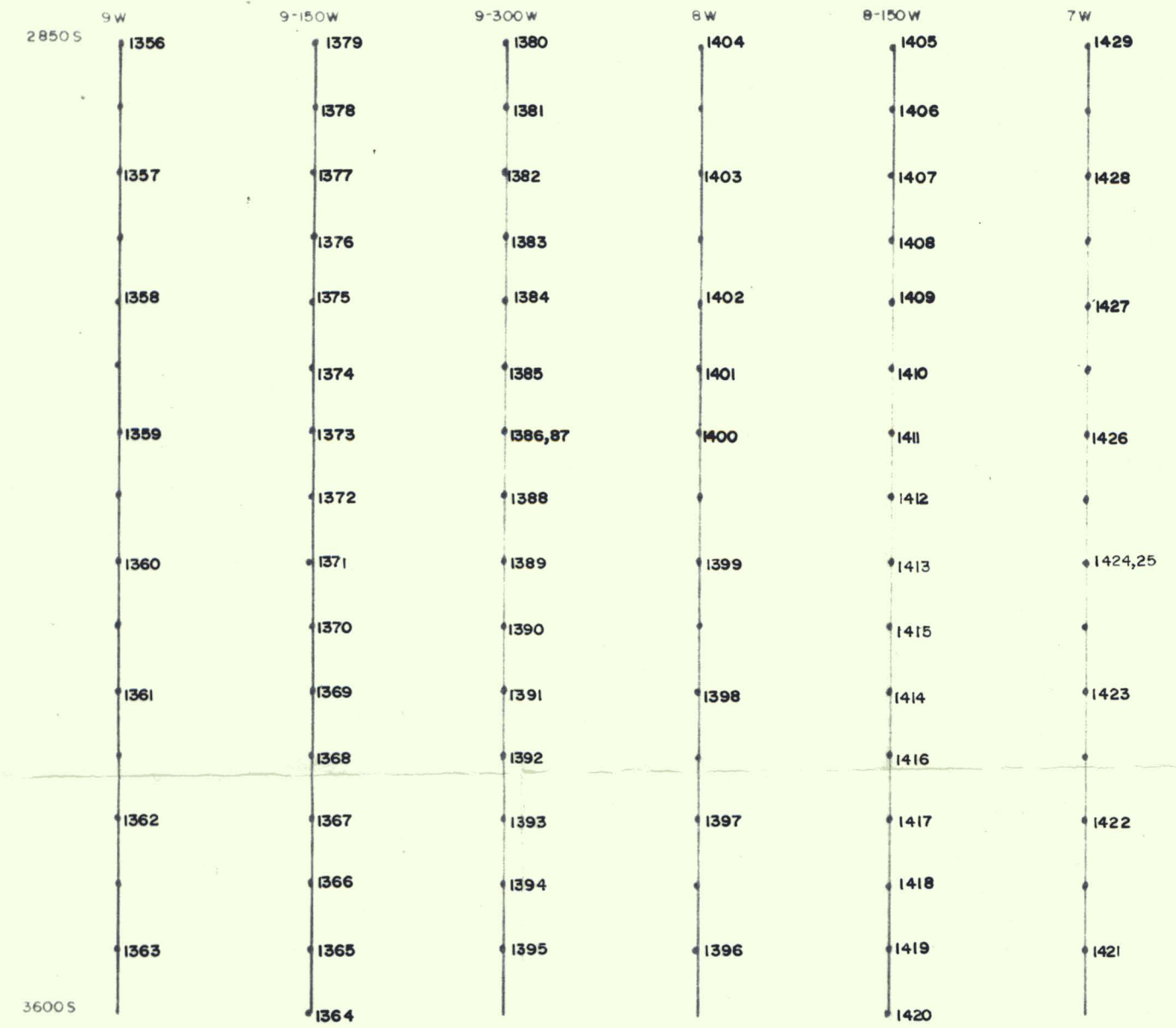


Gulf Minerals Canada Limited			
ROSS RIVER PROJECT			
DYAK Claims			
V in PPM			
091001			
YUKON TERRITORY			
DATE:	SCALE:	DRAWN BY:	PLATE: <i>fff</i>
SEPT., '81	1:10,000	DSR	5.17

DETAIL AREA 1



DETAIL AREA 2



Gulf Minerals Canada Limited

ROSS RIVER PROJECT
DYAK CLAIMS
 DETAILED SOIL GEOCHEMICAL SURVEY

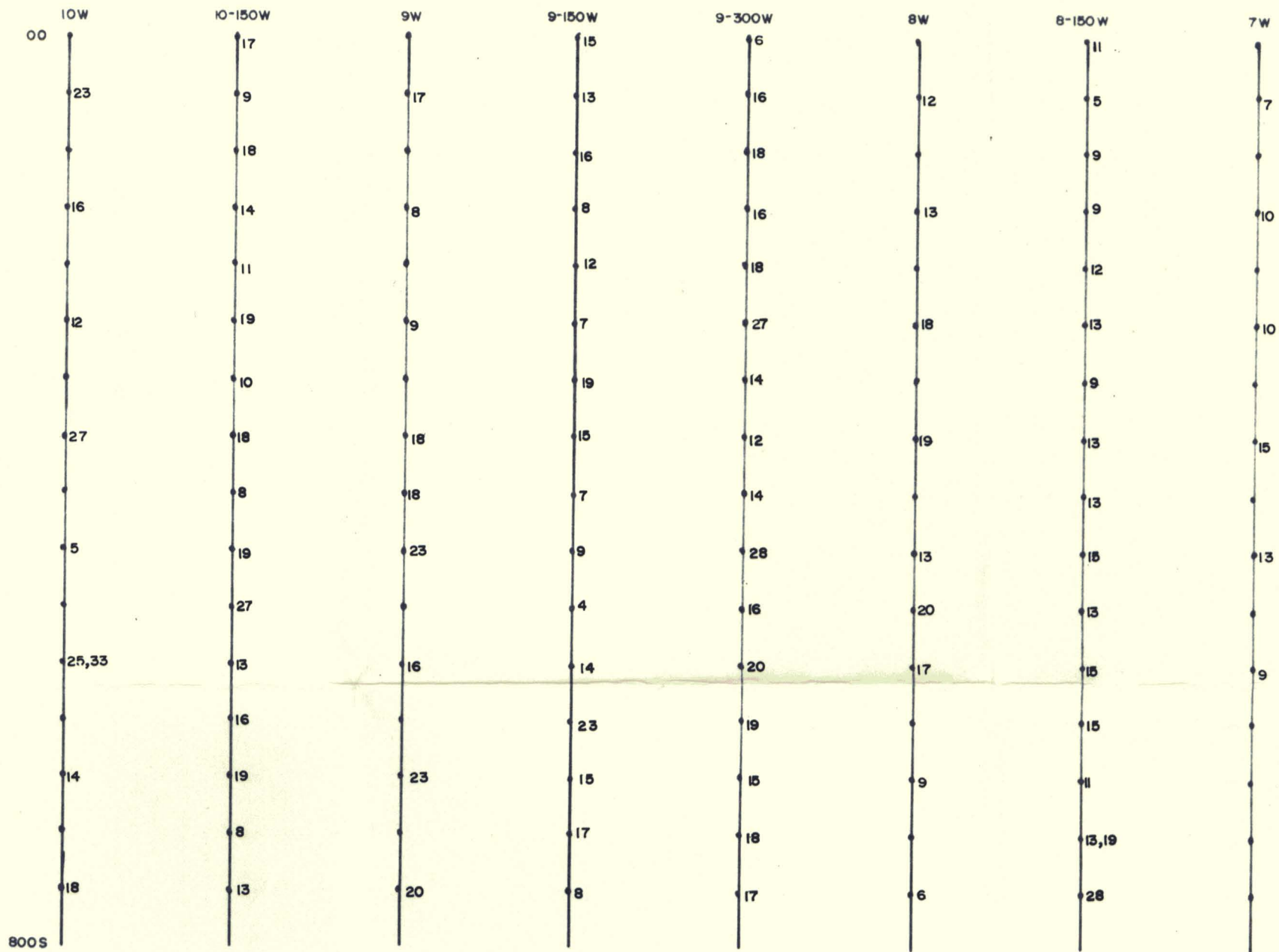
DETAIL GRIDS (50X150m)
SAMPLE LOCATIONS

AREA LOCATED ON THE 1:10,000 SCALE SAMPLE
 LOCATION MAP

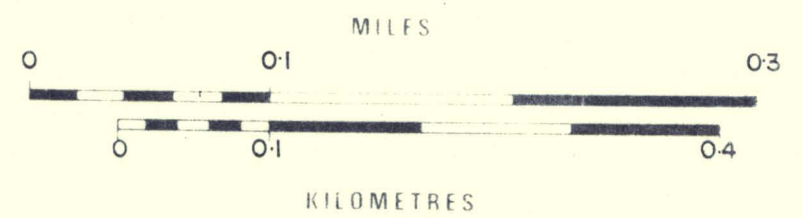
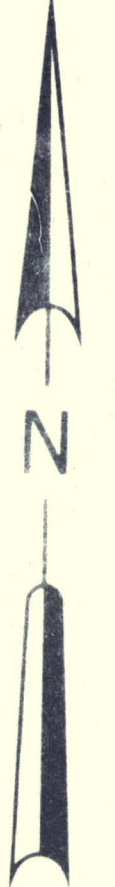
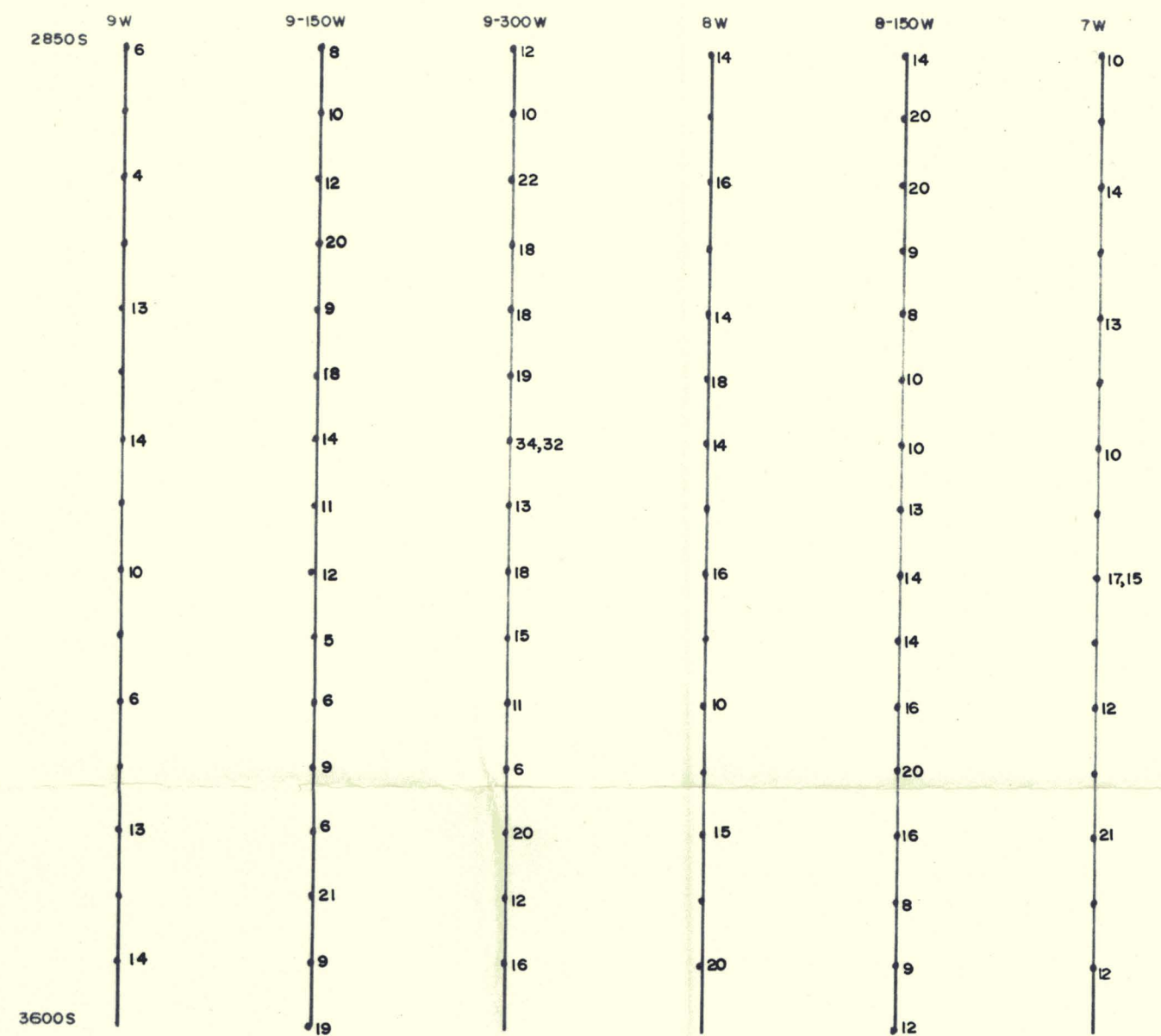
YUKON TERRITORY **091001**

DATE	SCALE	DRAWN BY	PLATE IIIa
FEB 1982	1:5000	EPD	

DETAIL AREA 1



DETAIL AREA 2



Gulf Minerals Canada Limited

ROSS RIVER PROJECT
 DYAK CLAIMS
 DETAILED SOIL GEOCHEMICAL SURVEY

DETAIL GRIDS (50X150m)

Pb Values in ppm

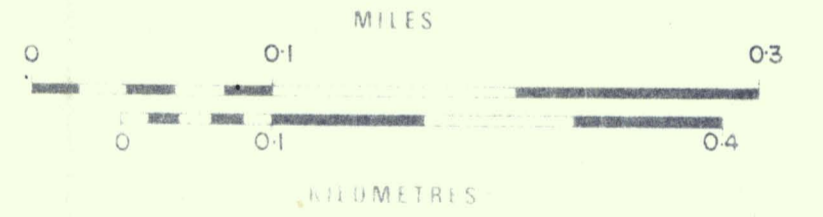
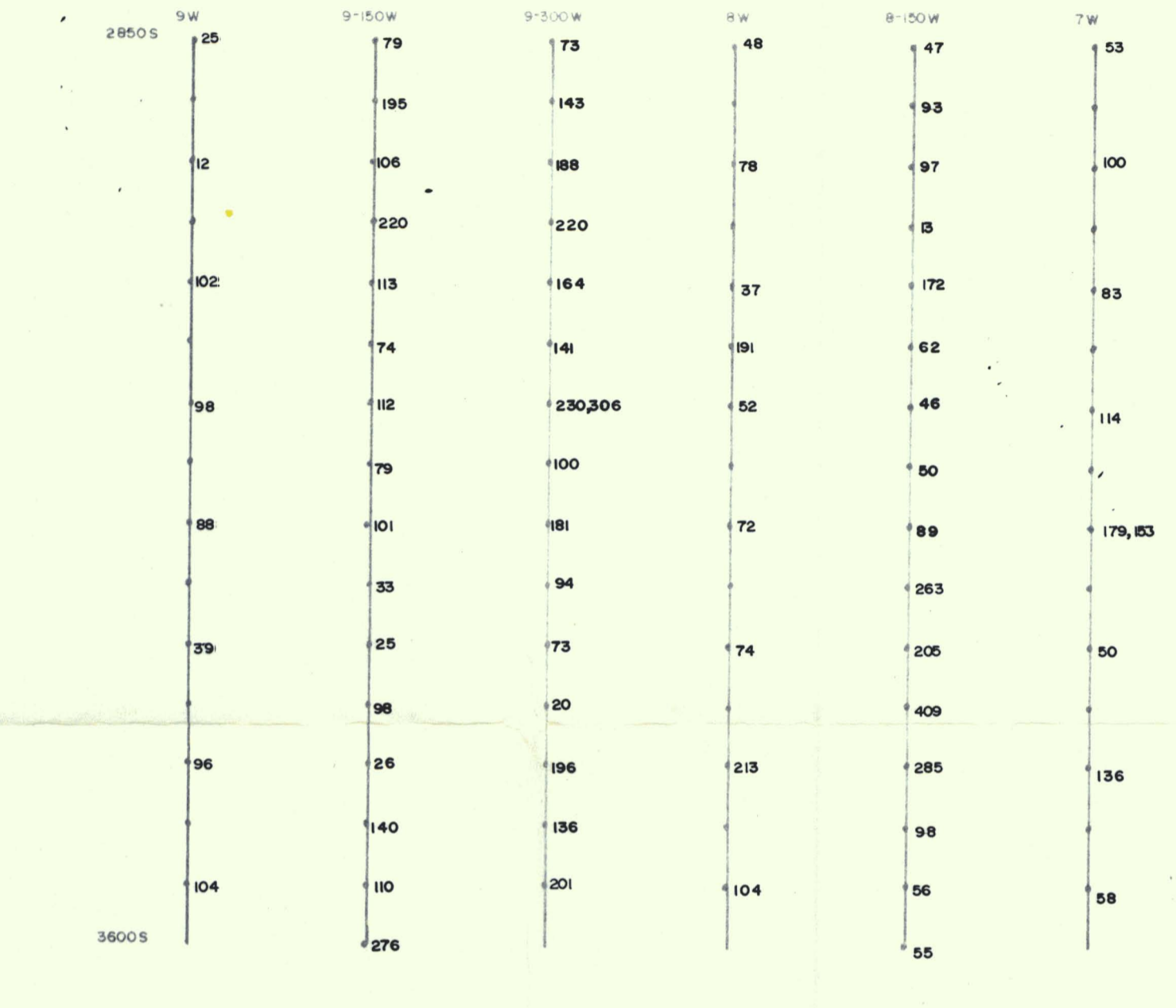
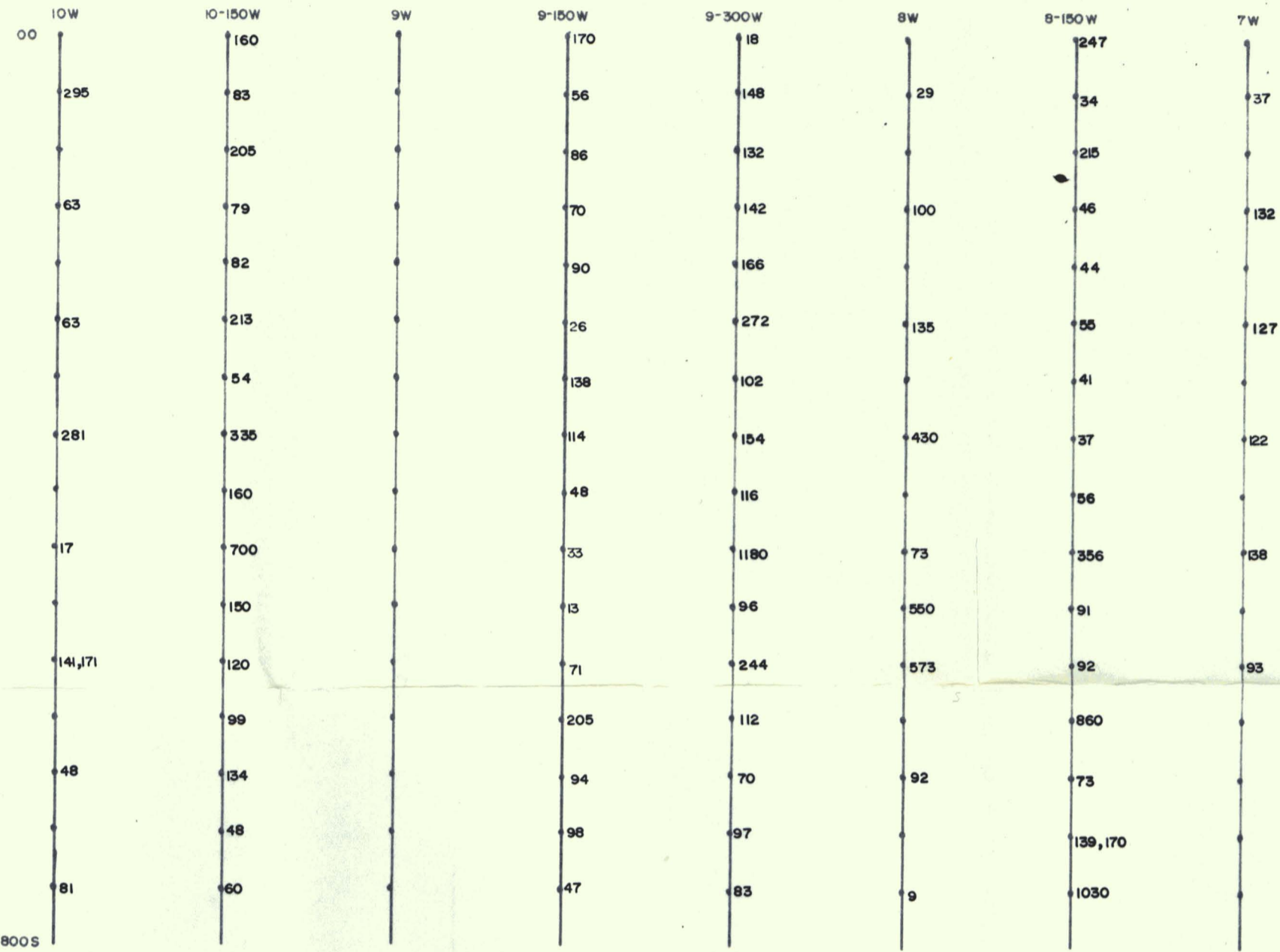
AREA LOCATED ON THE 1:10,000 SCALE SAMPLE
 LOCATION MAP

YUKON TERRITORY **091001**

DATE FEB 1982	SCALE 1:5000	DRAWN BY EPD	PLATE III b
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DETAIL AREA 1

DETAIL AREA 2



Gulf Minerals Canada Limited

ROSS RIVER PROJECT
 DYAK CLAIMS
 DETAILED SOIL GEOCHEMICAL SURVEY

DETAIL GRIDS (50X150m)

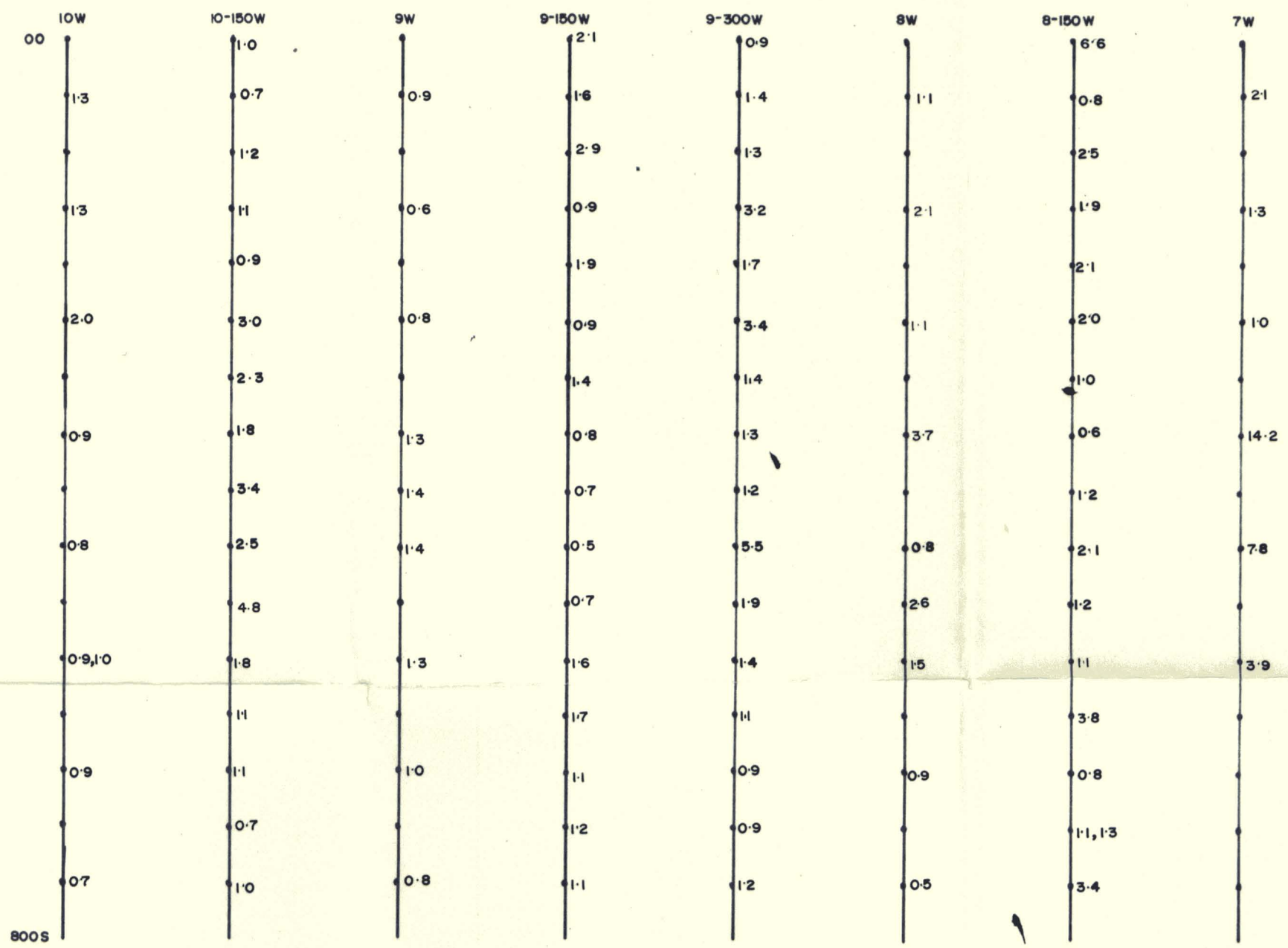
Zn Values in ppm

AREA LOCATED ON THE 1:10,000 SCALE SAMPLE LOCATION MAP

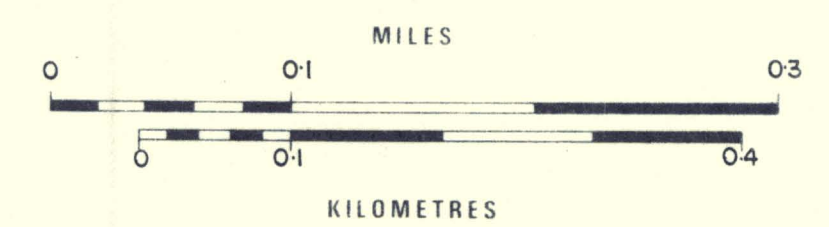
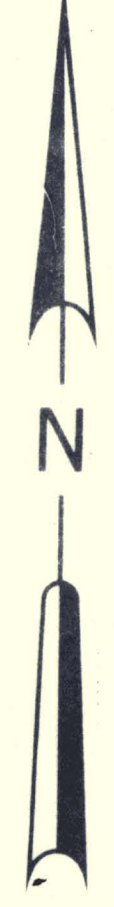
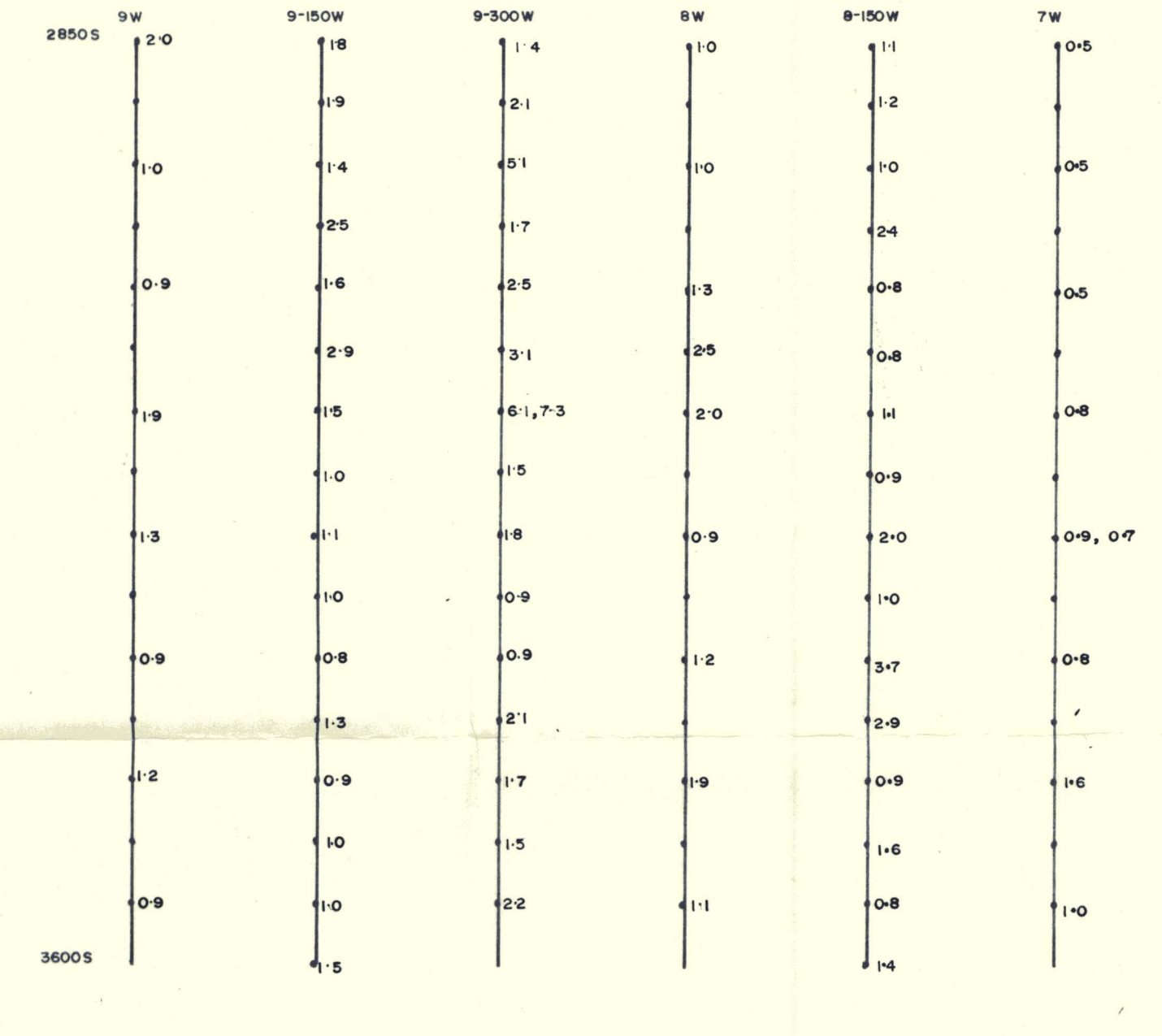
YUKON TERRITORY **091001**

DATE FEB 1982	SCALE 1:5000	DRAWN BY E P D	PLATE IIIc
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DETAIL AREA 1



DETAIL AREA 2



Gulf Minerals Canada Limited

ROSS RIVER PROJECT
DYAK CLAIMS
DETAILED SOIL GEOCHEMICAL SURVEY

DETAIL GRIDS (50X150m)
Ag Values in ppm

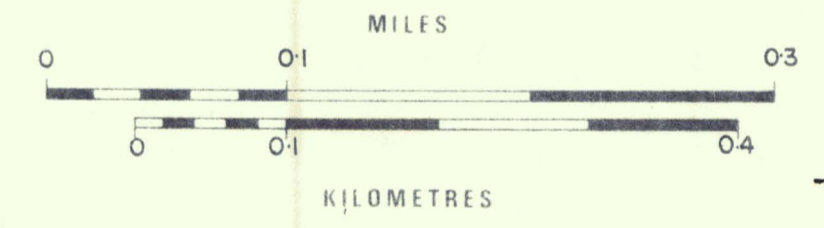
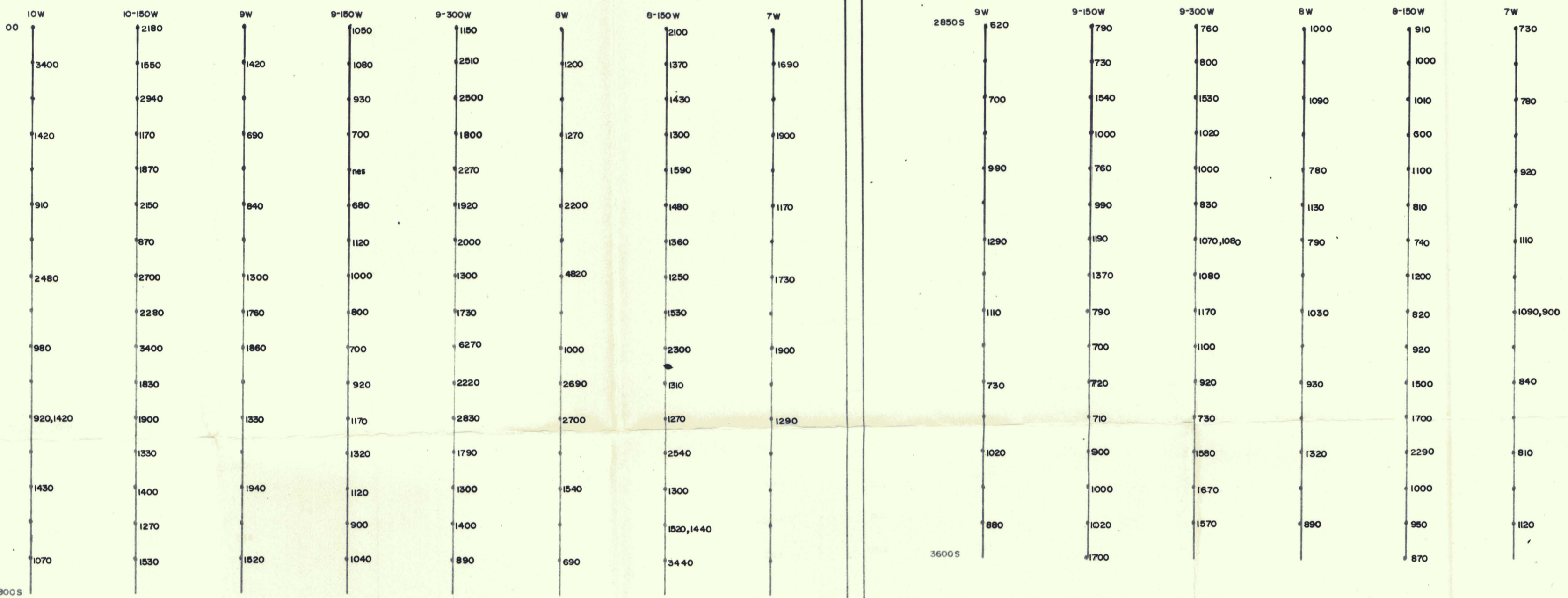
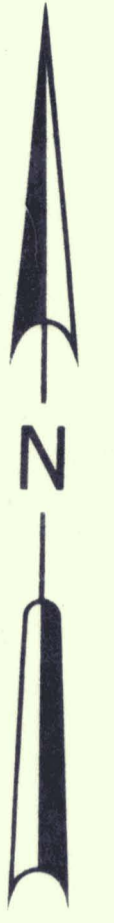
AREA LOCATED ON THE 1:10,000 SCALE SAMPLE LOCATION MAP

YUKON TERRITORY **091001**

DATE: FEB 1982	SCALE: 1:5000	DRAWN BY: E P D	PLATE: 111d
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DETAIL AREA 1

DETAIL AREA 2



Gulf Minerals Canada Limited

ROSS RIVER PROJECT
 DYAK CLAIMS
 DETAILED SOIL GEOCHEMICAL SURVEY

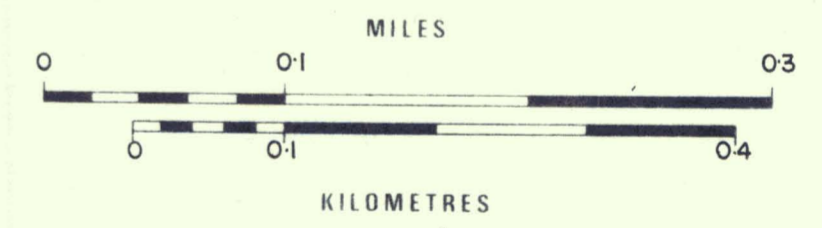
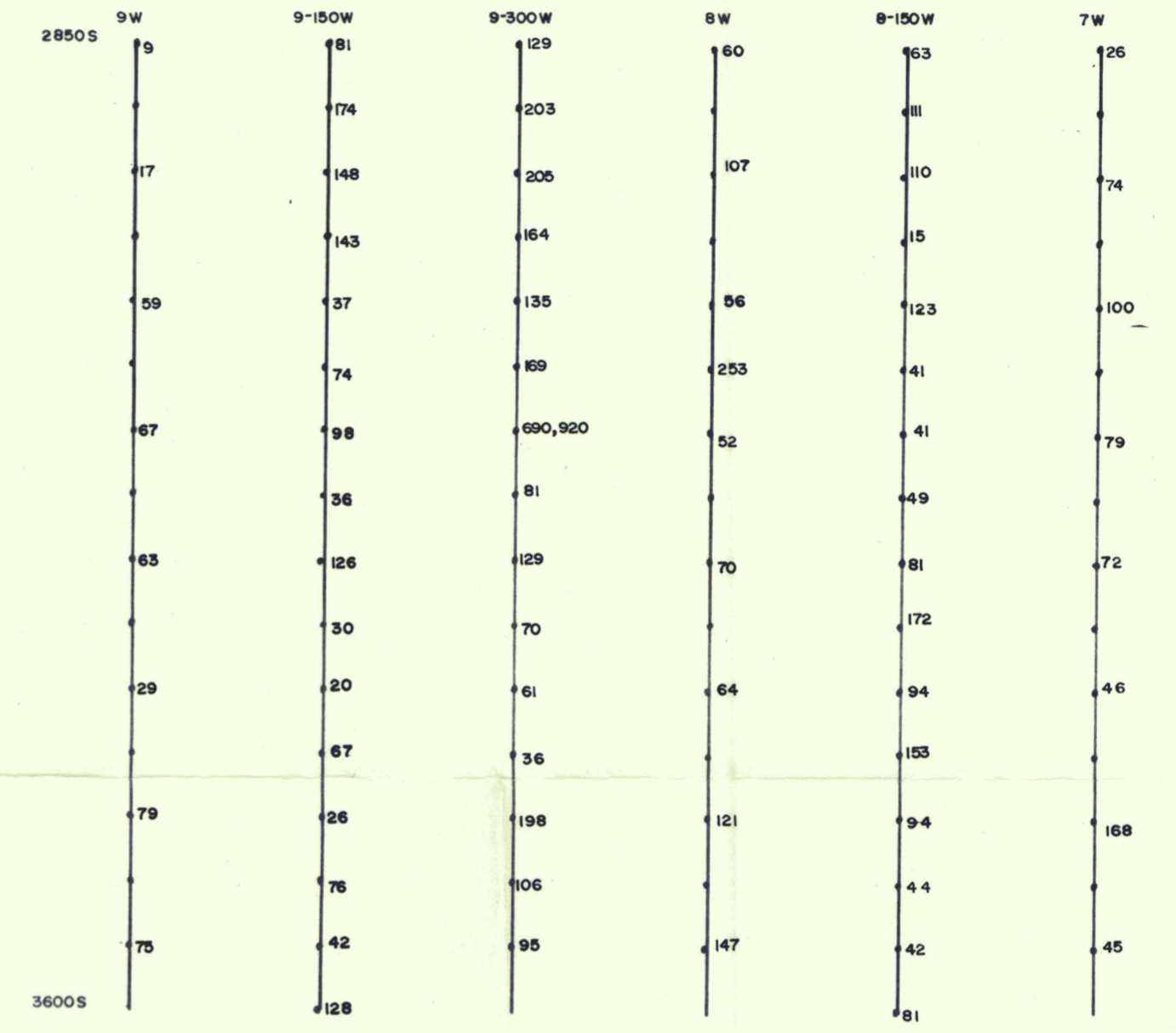
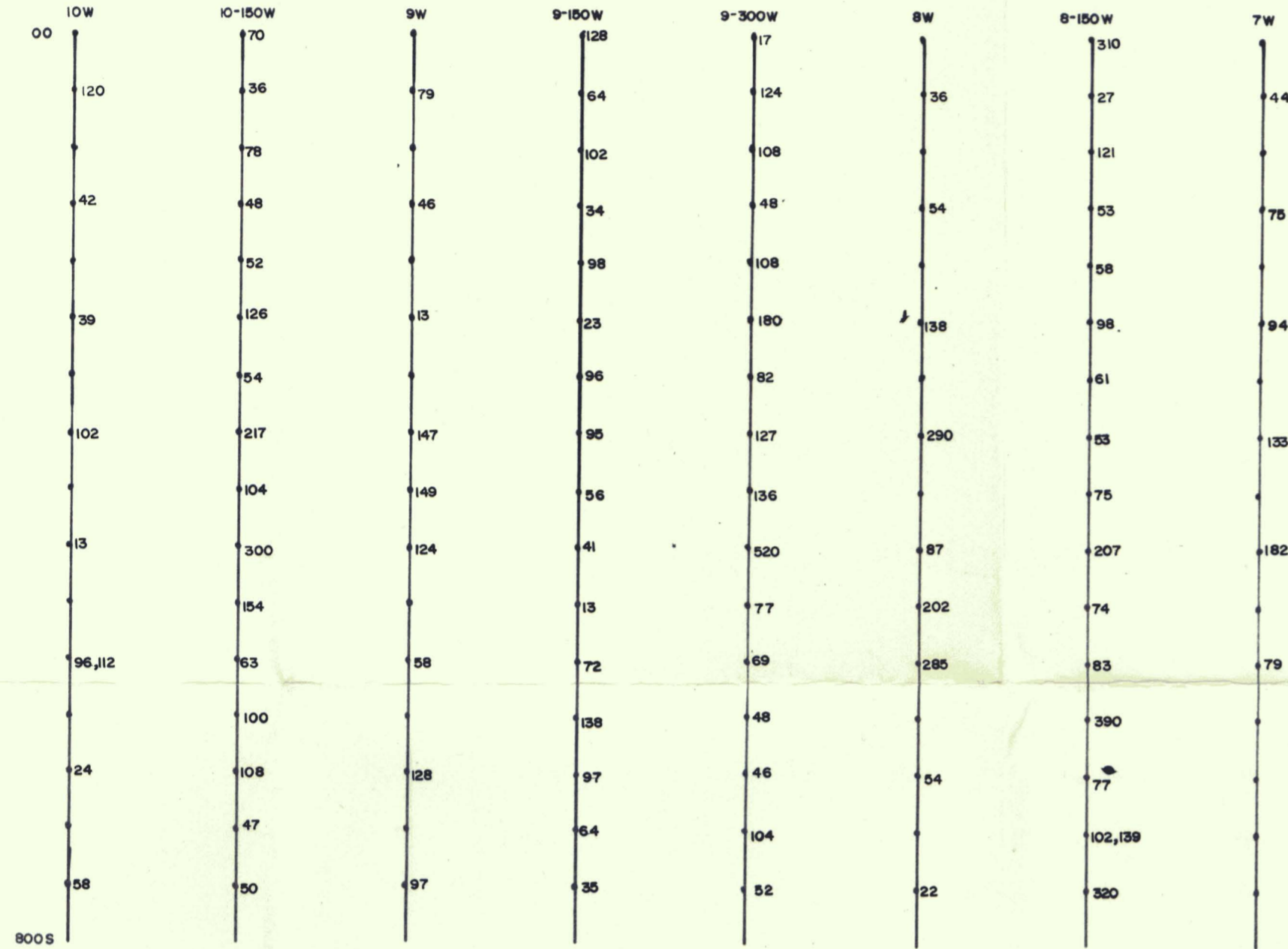
DETAIL GRIDS (50X150m)
Ba Values in ppm
 AREA LOCATED ON THE 1:10,000 SCALE SAMPLE
 LOCATION MAP

YUKON TERRITORY **091001**

DATE: FEB 1982	SCALE: 1:5000	DRAWN BY: E P D	PLATE: III e
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DETAIL AREA 1

DETAIL AREA 2



Gulf Minerals Canada Limited

ROSS RIVER PROJECT
DYAK CLAIMS
DETAILED SOIL GEOCHEMICAL SURVEY

DETAIL GRIDS (50X150 m)
V Values in ppm
AREA LOCATED ON THE 1:10,000 SCALE SAMPLE LOCATION MAP
YUKON TERRITORY **091001**

DATE: FEB 1982	SCALE: 1:5000	DRAWN BY: E P D	PLATE: III f
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