

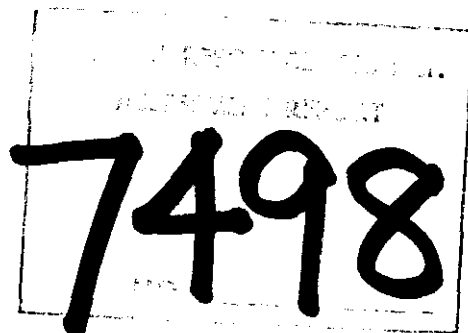
VECTOR PULSE ELECTROMAGNETOMETER SURVEY
GEOPHYSICAL REPORT #2
COMMONWEALTH MINERALS LTD.

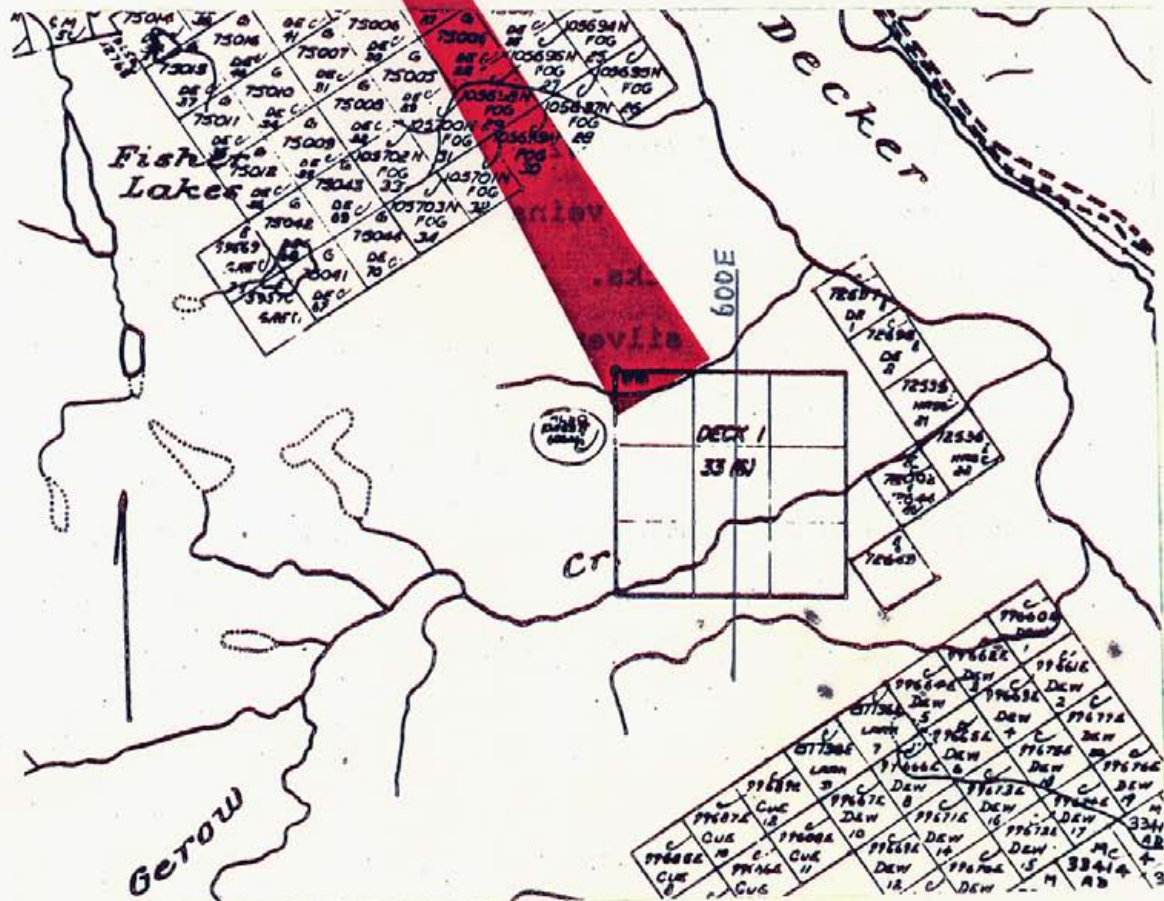
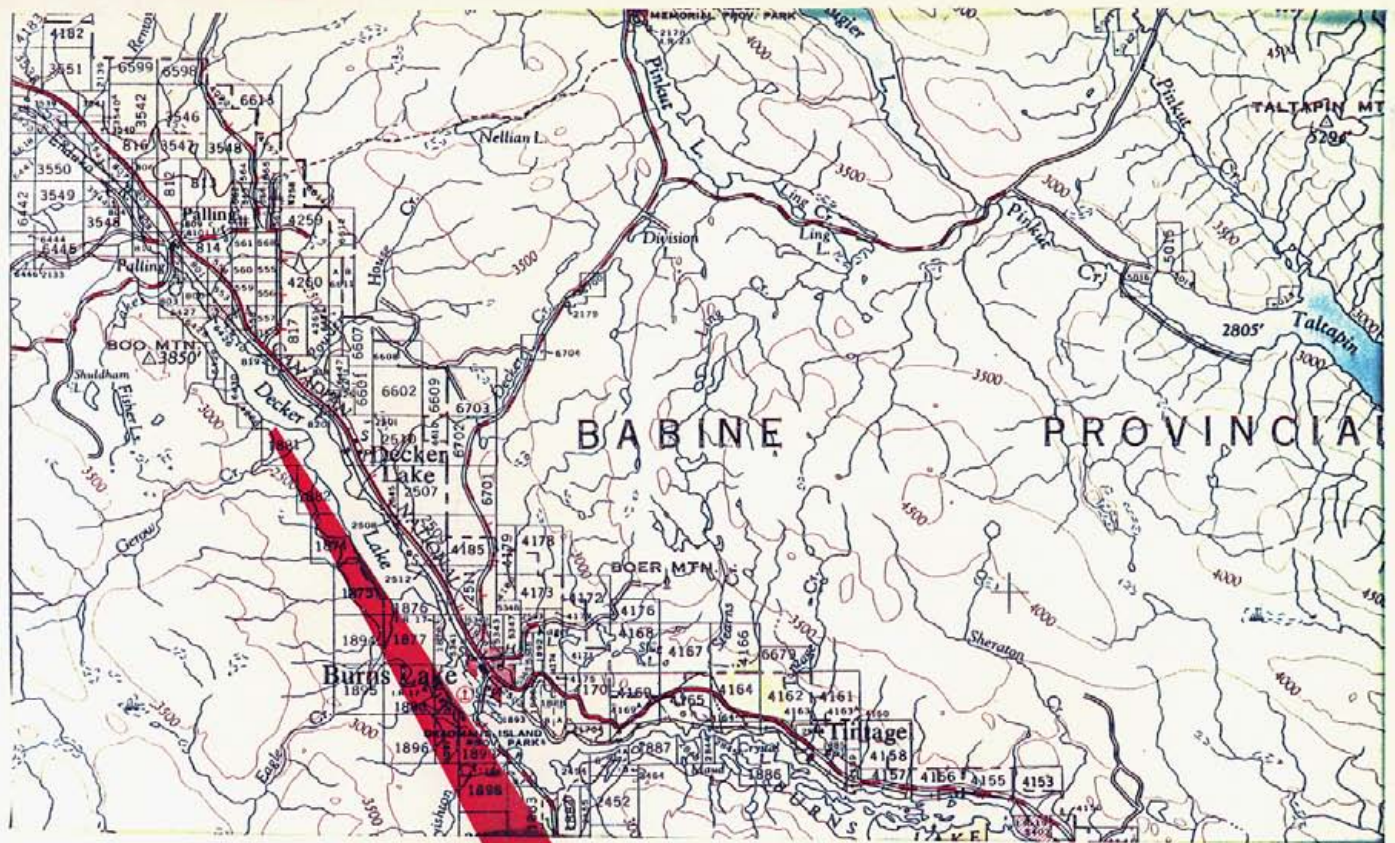
Decker Mineral Claim 1, Decker Lake area,
Omineca Mining Division, B. C.
Lat. $54^{\circ}17'N$ Long. $125^{\circ}52'W$ N.T.S. 93 K/5U

AUTHOR: Glen E. White, B.Sc., P. Eng., Geophysicist

DATE OF WORK: July 23 - 30, 1979

DATE OF REPORT: August 21, 1979





COMMONWEALTH MINERALS LTD.
 LOCATION AND CLAIM MAP
 DECK COPPER-SILVER PROSPECT

Glen & White
 geophysical consulting
 services ltd

SCALE: 1" = 40 MILES

FIG. 1

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INTRODUCTION

A program of vector pulse electromagnetometer surveying was conducted over a portion of the Deck 1 mineral claim during November 1978. An interesting conductor was located at 400E - 950M near some mineral showings in Gerow Creek near the limits of the survey.

The present survey extended the area of coverage across Gerow Creek and further defined the conductor trend. This geophysical survey was completed by Glen E. White Geophysical Consulting & Services Ltd. during the period July 23 - 30, 1979.

PROPERTY

The Deck 1 mineral claim, record #33, consists of 9 units as shown in Figure 1.

LOCATION AND ACCESS

The property is located on the southwest side of Decker Lake some 10 km northwest of Burns Lake. Latitude $54^{\circ}17'W$, Longitude $125^{\circ}52'W$, N.T.S. 93 K/5W.

Access to the property is by dirt road around the northwest end of Decker Lake for a distance of 8 km.

GENERAL GEOLOGY

The rocks west of Decker Lake have been classified as Early to Middle Mesozoic acid and intermediate lavas and pyroclastic rocks, some argillite, sandstone and conglomerate. Mineralization on the property consists of chalcopyrite, pyrite, galena and sphalerite disseminated in a light colored brecciated intermediate volcanic rock in Gerow Creek.

VECTOR PULSE ELECTROMAGNETOMETER SURVEY

The pulse electromagnetometer system is a time domain E.M. system which can be used in the standard horizontal loop mode or deep penetrating vector mode.

The primary field for the horizontal loop survey is obtained from a transmit loop 6 meters in diameter laid out horizontally on the ground and energized by a pulse of 20 amps at 24 volts with an on-off time of 10.8 ms. The receive coil is generally spaced 25 - 100 meters from the transmit loop. Both are moved simultaneously from station to station. The secondary field signal on the receive coil is sampled and averaged for 10 seconds and then stored for readout. Eight samples of the secondary field are obtained with increasing window widths during the primary field off time. Time synchronization is by radio link or cable.

The eight channels of secondary field information are equivalent to a wide spectrum of frequencies from approximately 2KHz to 16Hz which allows for determination of overburden effects and penetration of conductive overburden. Since the secondary field is measured directly during the primary field off time, the pulse method is relatively free of geometrical restrictions between the transmit and receive coil positions, such as topography interference and coil alignment.

The primary field for the vector EM technique is obtained from a small turam type loop of 152 m (500 ft) per side which is energized with a current of some 25 amps at 24 volts. A scalar vector is obtained by determining the horizontal and vertical components of the secondary field. A right angle to this resultant vector points to the eddy current position. See Appendix for diagrams.

DISCUSSION OF RESULTS

Figure 2 shows the locations of the new loops A and B and the interpreted conductor trend. Line 400E, loop A, suggests a set of parallel conductors one at 800M and the other at 885M. The vertical component indicates that the conductor at 885M is the stronger one. Loop B, horizontal component shows the same two conductors but much weaker. It also suggests a conductor near 1075M. Line 500E, loop A, shows the parallel set of conductors at 870M and 930M. A weak conductor is suggested at 725M. Loop B on this line does not give the same support to the two parallel conductors, which would indicate a minimum induction angle. However, both the vertical and horizontal components give an inflection between 1050M and 1100M.

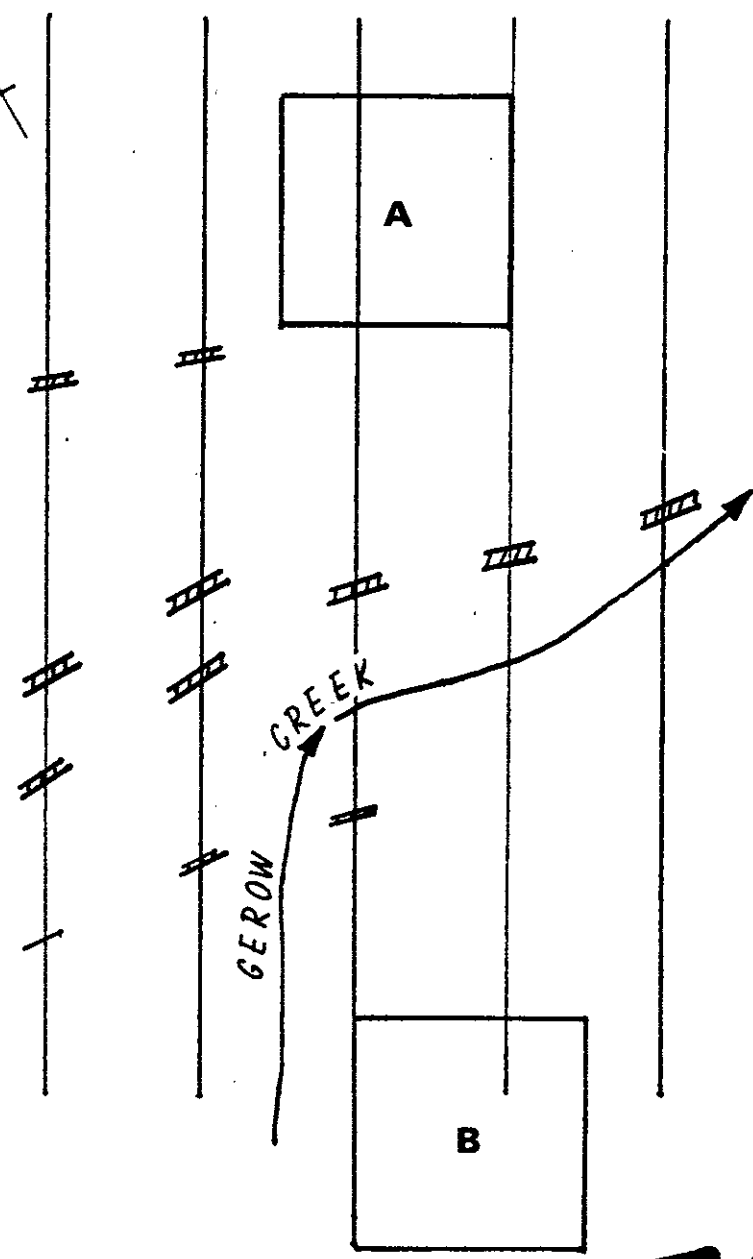
Line 600M, loop A, suggests that the parallel set of conductors have joined or possibly come closer together and decreased in overall conductivity. Channels 1 and 2 give a good crossover at 925M which may possibly be between the two conductors. The vertical component also shows a weaker crossover at 775M. Loop B has no apparent coupling to the conductors on this line. Both loops A and B indicate a weak two channel conductor at 925M. Loop B, vertical component, displays a migrating crossover on the northern portion of the line. This is likely a conductive half-space response. The horizontal component from loop A, line 800E, suggests a multiple conductor between 950M and 1000M whereas the vertical component gives a broad channel 1 crossover. Loop B horizontal component also suggests a conductor at 975M. This conductor is confirmed by the strong four channel vertical component crossover at this position.

The vector sections, Figures 23 - 32, show strong high frequency, channel 1 focusing with weaker focusing into channels 2 and 3. Figure 23 shows a dispersed focus in channel 1 at 925M at a depth of some 150 m. In general, the lines from loop A



400E
500E
600E
700E
800E

1300 N
1200 N
1100 N
1000 N
900 N
800 N
700 N
600 N



VPEM CONDUCTIVE RESPONSE

1 cm = 50 Meters

7498

COMMONWEALTH MINERALS
LIMITED

— DECK CLAIMS —

VPEM RESPONSE TRENDS

Glen E. White
geophysical consulting
&
services, Ltd.

AUG. 1979
FIG. 2

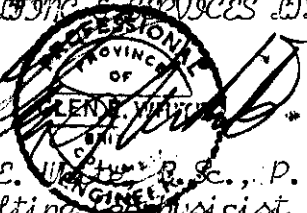
would appear to be coupling to a southerly steeply dipping conductive unit. The loop B data shows strong foci which appear to exist around this unit but are possibly complicated by the conductive lacustrine sediments to the north. It would appear that the specific conductors on Figure 2 are located on the upper surface of a conductive, possibly argillaceous and or graphite-bearing, conductive unit some 100 m thick in the area of lines 4E and 5E. This unit is then disturbed by the Gerow Creek fault and thins to some 50 m on line 8E where there is a classic multichannel vertical component crossover at station 1000M. The known mineralization is apparently located on the northern bank of Gerow Creek and would therefore occur near the upper contact of this conductive unit. Figure 2 shows two parallel conductors on lines 4E and 5E which appear to pinch into one by line 8E. Thus, this conductor trend is open to the northeast and southwest and appears to have a strike of some 1175° E.

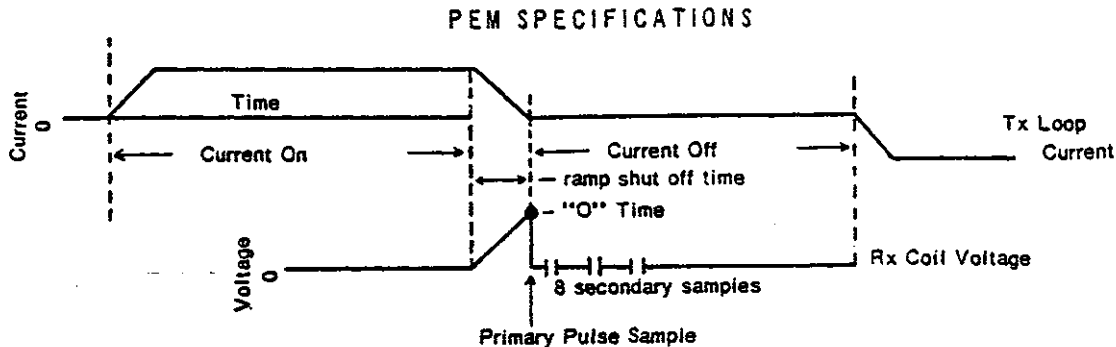
CONCLUSIONS AND RECOMMENDATIONS

A program of detail vector electromagnetometer surveying was conducted over the Deck 1 mineral claim to examine a multi-channel VPE M anomaly and mineral showings in Gerow Creek.

This survey delineated a 1175° E striking conductive unit which would appear to contain specific lenses or zones of more conductive materials. It is recommended that this zone be examined by diamond drilling on lines 5E and 8E such that the anomaly would be intersected at a vertical depth of at least 100 m beneath the surface.

Respectfully submitted,
 GLEN E. WHITE GEOPHYSICAL
 CONSULTING & SERVICES LTD.


 Glen E. White, B.Sc., P. Eng.
 Consulting Geophysicist



Current Off time: 9.4 ms
 Current on time: 10.8 ms
 Current shut off (ramp) time: 1.4 ms
 Sample times (zero to centre of sample): .15ms, .45ms, .85ms, 1.45ms, 2.45ms, 3.75ms, 5.85ms, 8.85ms.

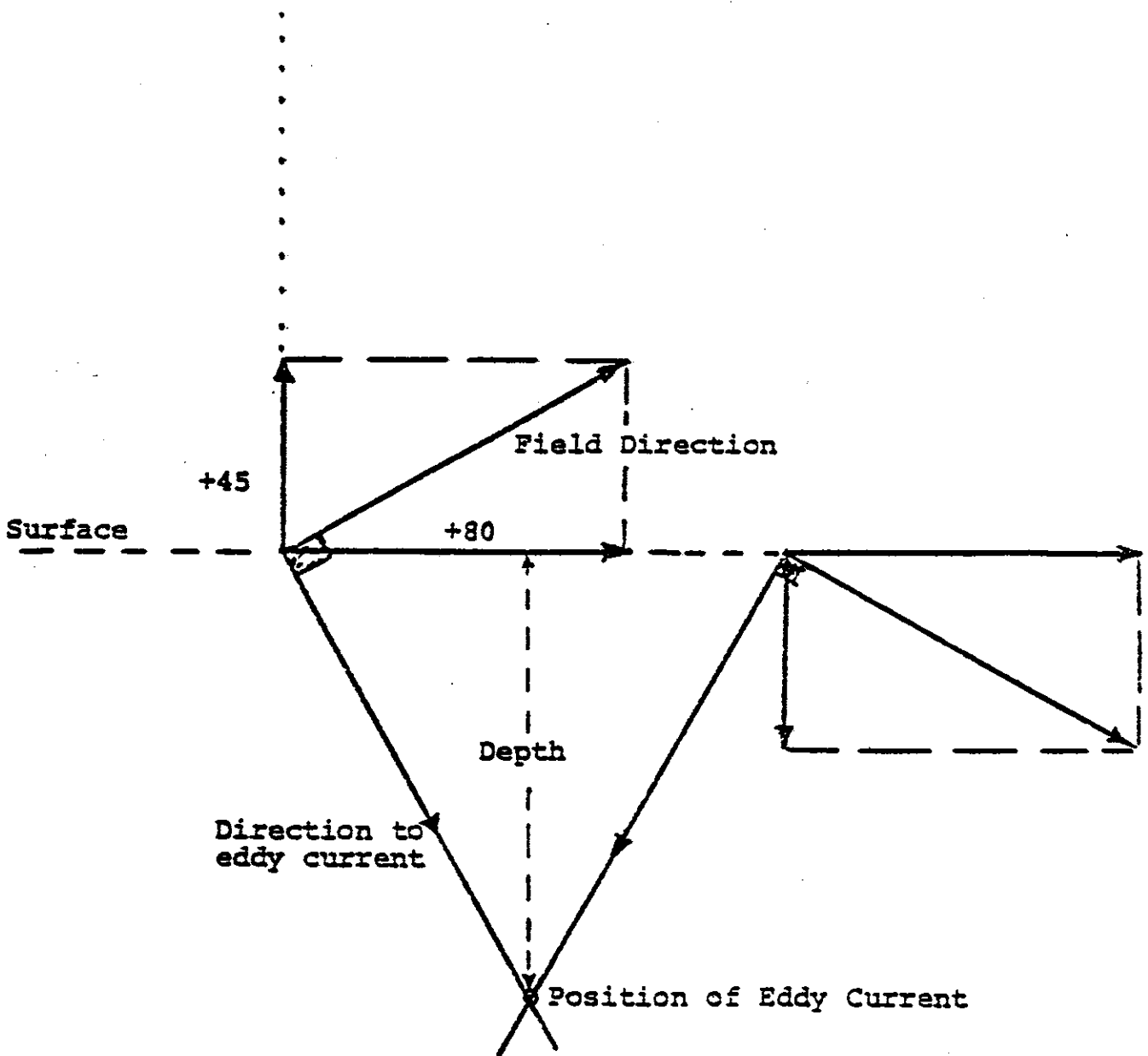
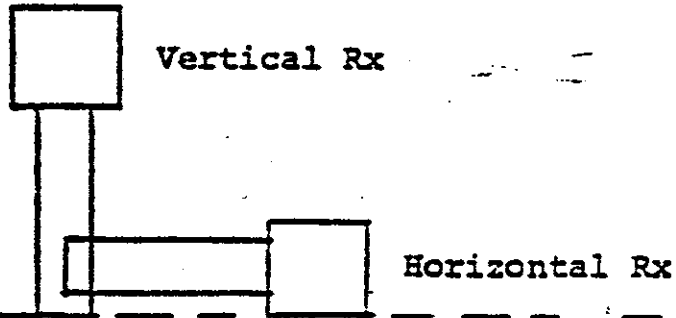
Sample width: 100 μ s
 Zero time set at drop off point of primary pulse

TRANSMITTER - Transmitter power and loop size may be increased to obtain increased penetration. Weight, portability and power capabilities of the control instrument are the limiting factors. The standard transmitter is designed to be carried by two men.

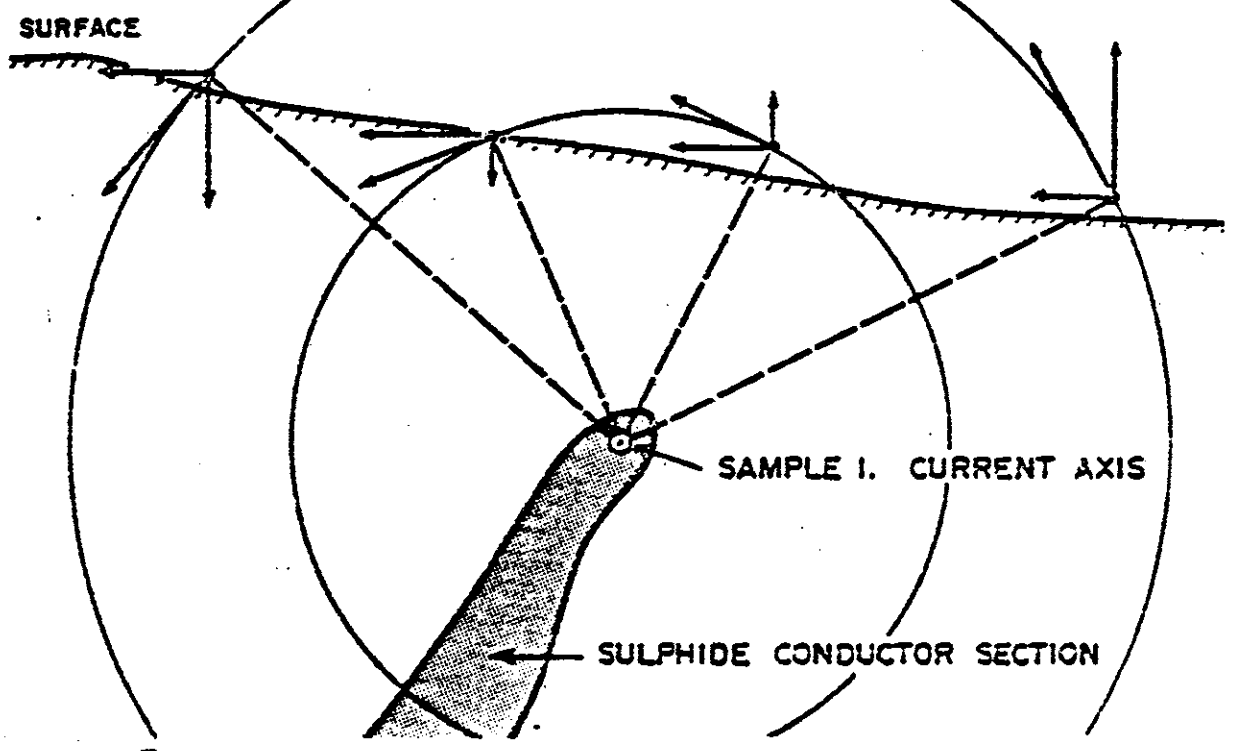
Loop diameter	- minimum 4 meters (13 feet)
Loop current	- 15 to 20 amps
Loop applied voltage	- 24 volts
Loop output	- minimum 4500 amps x meter ²
Loop weight	- 11.8 kilos (26 lb)
Control unit weight	- 10 kilos (22 lb)
Control unit dimensions	- 20.5cm x 25.5cm x 36.5cm (8" x 10" x 14.5")
Battery supply weight	- 18.1 kilos (40 lb)
Battery supply	- 2 of 12 volt, 14 to 20 ampere hour
Timing control by radio synchronization	

RECEIVER

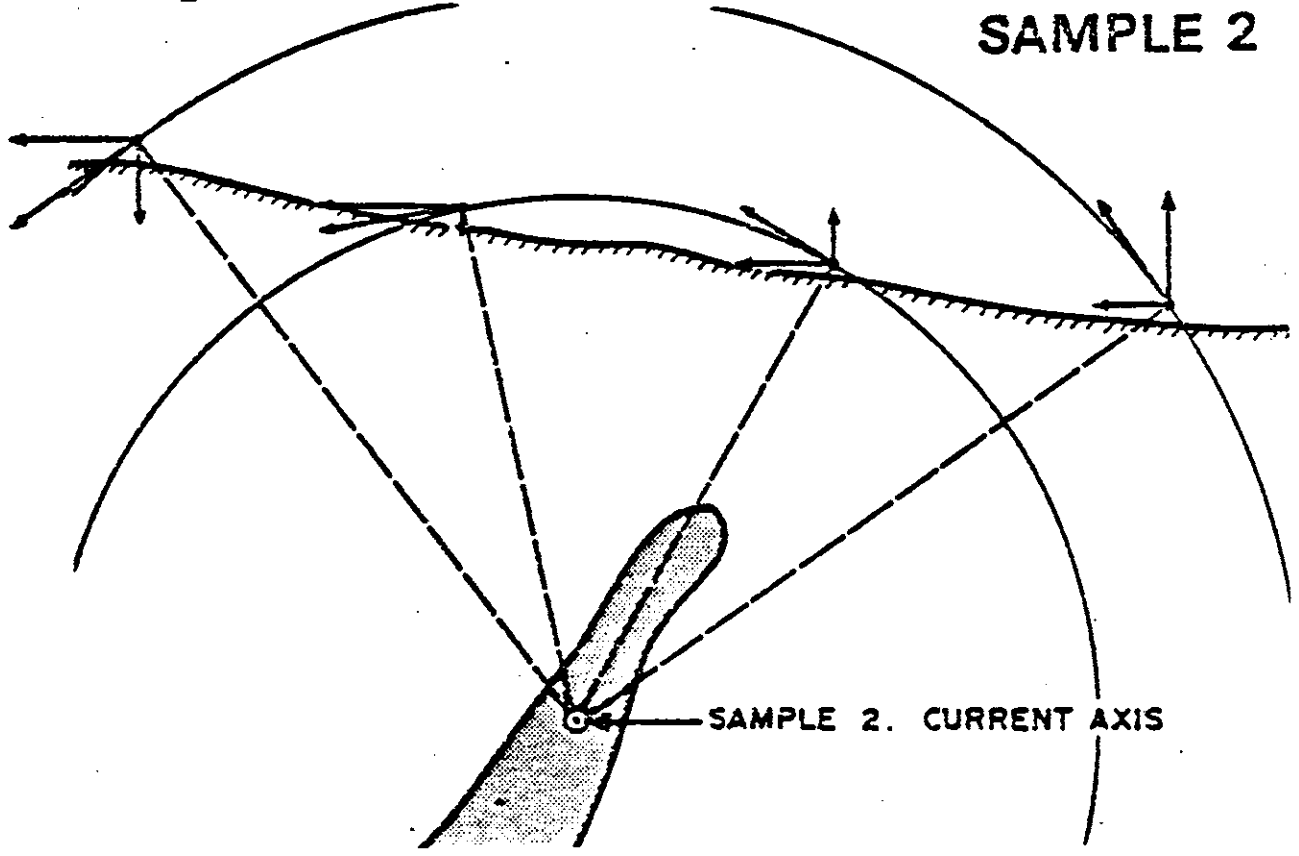
- Receive coil dimensions: 55cm x 15cm (22" x 6")
- Receive coil weight: 4.5 kilos (10 lb)
- Pre-amplifier in coil
- Pre-amplifier batteries: 2 of 9 volt
- Receive coil tripod mounted
- Receiver measuring instrument dimensions: 28cm x 18cm x 21.5cm (11" x 7" x 9")
- Receiver measuring instrument weight: 6.3 kilos (14 lb)
- Timing control by radio synchronization
- Primary sample width: 100 μ s
- Primary sample can be swept through primary pulse by means of a time calibrated pot
- Zero time set at primary pulse drop-off
- Secondary samples (eight of them) width: 100 μ s
- Secondary samples time (zero to middle of sample): (1) .15ms (2) .45ms (3) .85ms (4) 1.45ms (5) 2.45ms (6) 3.75ms (7) 5.85ms (8) 8.85ms
- Automatic sampling for 5 seconds then all samples automatically stored
- Sample read out by means of meter
- Continuous sampling possible by switching function switch to "Continuous"
- Noise can be monitored by switching function switch to "Noise"
- Battery supply: 24 volt rechargeable, 2 of 12 volt Gel GC 12-15



SAMPLE 1



SAMPLE 2



Location of the Current Path in the Conductor

STATEMENT OF QUALIFICATIONS

NAME: WHITE, Glen E., P. Eng.

PROFESSION: Geophysicist

EDUCATION: B.Sc. Geophysics - Geology
University of British Columbia

PROFESSIONAL ASSOCIATIONS: Registered Professional Engineer,
Province of British Columbia

Associate member of Society of Exploration Geophysicists.

Past President of B. C. Society of Mining Geophysicists.

EXPERIENCE: Pre-Graduate experience in Geology - Geochemistry - Geophysics with Anaconda American Brass.

Two years Mining Geophysicist with Sulmac Exploration Ltd. and Airborne Geophysics with Spartan Air Services Ltd.

One year Mining Geophysicist and Technical Sales Manager in the Pacific north-west for W. P. McGill and Associates.

Two years Mining Geophysicist and supervisor Airborne and Ground Geophysical Divisions with Geo-X Surveys Ltd.

Two years Chief Geophysicist Tri-Con Exploration Surveys Ltd.

Eight years Consulting Geophysicist.

Active experience in all Geologic provinces of Canada.

COST BREAKDOWN

<u>Personnel</u>	<u>Date</u>	<u>Wages</u>	<u>Total</u>
J. Selkirk.....	July 23-30/79.....	\$150/day.....	\$1200.00
M. Cornelius.....	"....."	100/day.....	800.00
Meals and accomodations.....		\$35/man/day.....	560.00
Vehicle 4x4 plus gas and insurance @		\$60/day.....	480.00
Instrument lease @ \$120/day.....			960.00
Materials.....			40.00
Computer processing of data.....			350.00
Interpretation and reports.....			850.00
			<u>5240.00</u>
		<u>TOTAL.....</u>	<u>\$5240.00</u>

CHANNEL	1	2	3	4	5	6	7	8	GAIN		
LINE	STAT	LOOP	A								
400E	1050N	VER:	-57	-67	-40	-26	-18	-13	-8	-7	1.00
		HOR:	-71	-31	-12	-5	-4	-5	-4	-5	
400E	1025N	VER:	-54	-60	-37	-26	-19	-13	-9	-8	1.00
		HOR:	-120	-70	-32	-18	-14	-13	-10	-10	
400E	1000N	VER:	-22	-58	-38	-26	-19	-13	-8	-9	1.00
		HOR:	-150	-82	-35	-19	-15	-12	-9	-11	
400E	975N	VER:	-30	-58	-42	-30	-23	-16	-10	-9	1.00
		HOR:	-200	-105	-38	-19	-12	-9	-9	-10	
400E	950N	VER:	-28	-54	-42	-32	-24	-18	-13	-12	1.00
		HOR:	-170	-100	-42	-25	-20	-18	-17	-23	
400E	925N	VER:	-1	-50	-45	-36	-27	-18	-12	-11	1.00
		HOR:	-200	-120	-58	-34	-27	-22	-15	-15	
400E	900N	VER:	15	-38	-42	-38	-30	-22	-15	-15	1.00
		HOR:	-260	-160	-82	-48	-37	-31	-25	-20	
400E	875N	VER:	68	-22	-41	-40	-34	-24	-16	-14	1.00
		HOR:	-260	-160	-83	-45	-35	-30	-25	-21	
400E	850N	VER:	74	-17	-43	-42	-34	-22	-14	-16	1.00
		HOR:	-190	-130	-70	-44	-36	-27	-18	-19	
400E	825N	VER:	85	-12	-45	-48	-40	-30	-21	-20	1.00
		HOR:	-100	-71	-36	-22	-20	-22	-23	-24	
400E	800N	VER:	92	-2	-40	-43	-35	-25	-17	-16	1.00
		HOR:	-170	-130	-82	-56	-47	-39	-33	-30	
400E	775N	VER:	78	-7	-42	-43	-35	-24	-18	-17	1.00
		HOR:	-150	-120	-72	-43	-28	-22	-17	-16	
400E	750N	VER:	82	0	-40	-42	-36	-27	-24	-32	1.00
		HOR:	-160	-140	-82	-47	-33	-28	-25	-33	
400E	725N	VER:	121	1	-60	-65	-55	-41	-36	-28	0.60
		HOR:	-216	-166	-120	-88	-63	-58	-55	-36	
400E	700N	VER:	74	3	-35	-39	-31	-20	-12	-10	1.00
		HOR:	-90	-80	-58	-50	-56	-53	-48	-12	
400E	675N	VER:	164	12	-70	-76	-58	-40	-28	-28	0.50
		HOR:	-176	-170	-124	-86	-72	-66	-56	-50	
400E	650N	VER:	107	-19	-83	-88	-61	-35	-21	-23	0.42
		HOR:	-185	-173	-123	-92	-78	-66	-52	-42	
400E	625N	VER:	125	-12	-105	-100	-60	-35	-25	-27	0.40
		HOR:	-195	-185	-132	-92	-67	-57	-42	-45	

LINE	STAT	LOOP	A								
500E	1050N	VER:	-52	-25	-10	-7	-4	-2	0	0	1.00
		HOR:	-42	-15	-6	-4	-2	-2	0	-1	
500E	1025N	VER:	-67	-37	-15	-10	-6	-3	0	-1	1.00
		HOR:	-76	-22	-4	0	2	1	1	-2	
500E	1000N	VER:	-65	-40	-18	-11	-7	-4	-1	-2	1.00
		HOR:	-96	-35	-12	-5	-3	-3	-1	-3	
500E	975N	VER:	-64	-47	-25	-14	-11	-7	-3	-3	1.00
		HOR:	-110	-43	-14	-5	-2	-2	-2	-3	
500E	950N	VER:	-56	-52	-32	-23	-15	-11	-5	-6	1.00
		HOR:	-150	-75	-31	-16	-12	-8	-4	-5	

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CHANNEL		1	2	3	4	5	6	7	8	GAIN
500E	925N VER:	-29	-46	-33	-24	-16	-11	-6	-7	1.00
	HCR:	-130	-68	-29	-15	-8	-7	-5	-6	
500E	900N VER:	7	-38	-34	-27	-19	-13	-9	-10	1.00
	HCR:	-45	-25	-12	-11	-12	-11	-9	-9	
500E	875N VER:	29	-31	-33	-32	-27	-23	-17	-11	1.00
	HCR:	-210	-110	-56	-36	-32	-31	-26	-14	
500E	850N VER:	44	-25	-36	-33	-25	-17	-10	-9	1.00
	HCR:	-230	-140	-73	-42	-31	-25	-18	-15	
500E	825N VER:	54	-18	-37	-36	-30	-23	-15	-11	1.00
	HCR:	-190	-130	-66	-40	-34	-29	-23	-17	
500E	800N VER:	54	-23	-47	-46	-37	-28	-18	-20	1.00
	HCR:	-230	-150	-86	-52	-42	-37	-31	-30	
500E	775N VER:	140	-11	-50	-49	-40	-29	-17	-15	1.00
	HCR:	-210	-170	-100	-63	-52	-43	-32	-27	
500E	750N VER:	112	-13	-52	-52	-40	-29	-21	-19	0.98
	HCR:	-214	-163	-96	-59	-47	-36	-28	-25	
500E	725N VER:	177	15	-50	-56	-47	-34	-24	-21	0.90
	HCR:	-255	-222	-122	-68	-48	-37	-27	-25	
500E	700N VER:	186	20	-45	-54	-44	-32	-21	-20	0.75
	HCR:	-200	-173	-113	-69	-54	-41	-36	-34	
500E	675N VER:	200	26	-53	-53	-38	-21	-7	-16	0.65
	HCR:	-200	-169	-113	-67	-49	-35	-16	-10	
500E	650N VER:	140	19	-56	-66	-52	-35	-24	-21	0.57
	HCR:	-184	-168	-154	-126	-98	-77	-56	-45	
500E	625N VER:	131	2	-72	-77	-58	-41	-29	-31	0.48
	HCR:	-218	-204	-152	-110	-89	-72	-58	-56	
500E	600N VER:	95	-25	-82	-80	-55	-25	-10	-17	0.40
	HCR:	-242	-225	-160	-105	-72	-50	-30	-42	

LINE	STAT	LOOP	A							
600E	1050N VER:	-60	-32	-15	-10	-5	-2	0	-1	1.00
	HCR:	-44	-22	-10	-6	-3	-2	0	-3	
600E	1025N VER:	-72	-43	-23	-16	-12	-7	-4	-3	1.00
	HCR:	-85	-29	-11	-5	-2	-2	-1	-3	
600E	1000N VER:	-62	-41	-20	-12	-7	-3	-1	-2	1.00
	HCR:	-110	-46	-18	-10	-6	-3	-1	-3	
600E	975N VER:	-60	-46	-27	-18	-12	-8	-4	-4	1.00
	HCR:	-140	-62	-26	-14	-9	-7	-5	-4	
600E	950N VER:	-33	-48	-30	-19	-13	-9	-4	-4	1.00
	HCR:	-200	-88	-32	-15	-8	-7	-4	-4	
600E	925N VER:	-15	-43	-32	-23	-15	-11	-6	-6	1.00
	HCR:	-200	-100	-36	-16	-8	-7	-5	-5	
600E	900N VER:	3	-37	-35	-28	-20	-15	-10	-8	1.00
	HCR:	-130	-100	-45	-25	-17	-14	-10	-6	
600E	875N VER:	30	-33	-37	-30	-22	-15	-10	-9	1.00
	HCR:	-200	-130	-64	-35	-19	-10	-3	-1	
600E	850N VER:	45	-38	-48	-42	-33	-25	-16	-13	1.00
	HCR:	-250	-150	-79	-44	-30	-24	-18	-15	

CHANNEL		1	2	3	4	5	6	7	8	GAIN
600E	825N VER:	30	-43	-54	-46	-34	-24	-13	-9	1.00
	HOR:	-240	-160	-84	-46	-29	-21	-15	-15	
600E	800N VER:	32	-44	-57	-48	-37	-27	-18	-13	1.00
	HOR:	-280	-180	-93	-50	-36	-31	-21	-25	
600E	775N VER:	50	-33	-55	-51	-39	-28	-18	-18	1.00
	HOR:	-270	-200	-110	-63	-42	-31	-20	-20	
600E	750N VER:	110	-9	-47	-49	-40	-28	-20	-18	1.00
	HOR:	-290	-210	-110	-66	-54	-48	-39	-28	
600E	725N VER:	93	-6	-50	-54	-44	-33	-25	-24	0.83
	HOR:	-277	-204	-120	-77	-54	-38	-27	-30	
600E	700N VER:	186	22	-42	-58	-52	-45	-37	-29	0.75
	HOR:	-240	-200	-129	-84	-66	-64	-58	-30	
600E	675N VER:	133	18	-53	-63	-51	-36	-30	-35	0.60
	HOR:	-233	-200	-138	-90	-65	-50	-45	-50	
600E	650N VER:	128	8	-58	-56	-40	-18	0	-10	0.50
	HOR:	-240	-220	-152	-84	-48	-26	-14	-28	

LINE	STAT	LOOP	A								
700E	1050N VER:	-60	-30	-14	-8	-5	-3	-1	-1	1.00	
	HOR:	-64	-17	-5	-3	0	0	0	-1		
700E	1025N VER:	-66	-38	-17	-11	-6	-3	0	-1	1.00	
	HOR:	-96	-30	-8	-3	0	0	0	-1		
700E	1000N VER:	-66	-46	-23	-13	-8	-4	-1	-2	1.00	
	HOR:	-130	-49	-15	-6	-2	-1	0	-1		
700E	975N VER:	-60	-54	-28	-18	-12	-7	-3	-3	1.00	
	HOR:	-150	-62	-22	-8	-3	-1	-1	-2		
700E	950N VER:	-22	-50	-34	-22	-15	-9	-5	-5	1.00	
	HOR:	-230	-100	-36	-16	-8	-6	-4	-5		
700E	925N VER:	22	-38	-34	-24	-17	-11	-7	-7	1.00	
	HOR:	-220	-110	-42	-18	-10	-7	-6	-5		
700E	900N VER:	20	-41	-40	-30	-23	-15	-10	-9	1.00	
	HOR:	-160	-95	-40	-22	-13	-11	-8	-8		
700E	875N VER:	36	-45	-44	-35	-25	-17	-11	-9	1.00	
	HOR:	-240	-150	-65	-35	-23	-15	-12	-10		
700E	850N VER:	5	-56	-53	-38	-28	-20	-14	-13	1.00	
	HOR:	-240	-140	-66	-32	-19	-14	-11	-8		
700E	825N VER:	21	-50	-53	-40	-30	-21	-15	-14	1.00	
	HOR:	-260	-160	-78	-40	-25	-18	-16	-15		
700E	800N VER:	24	-50	-58	-48	-36	-27	-21	-21	1.00	
	HOR:	-260	-170	-85	-45	-28	-22	-18	-13		
700E	775N VER:	77	-32	-55	-47	-33	-23	-14	-13	0.95	
	HOR:	-284	-200	-94	-50	-35	-27	-23	-15		
700E	750N VER:	51	-38	-60	-52	-40	-28	-21	-22	0.70	
	HOR:	-271	-185	-105	-60	-40	-31	-22	-20		
700E	725N VER:	77	-35	-72	-66	-51	-40	-32	-32	0.62	
	HOR:	-193	-145	-77	-43	-29	-27	-27	-27		
700E	700N VER:	106	-6	-56	-56	-42	-32	-26	-22	0.50	
	HOR:	-280	-200	-126	-74	-46	-34	-28	-22		

CHANNEL			1	2	3	4	5	6	7	8	GAIN
700E	675N	VER:	142	-2	-75	-77	-62	-45	-20	-27	0.40
		HOR:	-325	-275	-162	-107	-80	-67	-45	-40	
700E	650N	VER:	102	-11	-62	-63	-48	-34	-28	-28	0.35
		HOR:	-262	-217	-134	-77	-42	-28	-22	-37	
700E	625N	VER:	113	-13	-70	-60	-36	-13	6	-16	0.30
		HOR:	-276	-236	-160	-110	-73	-60	-36	-40	
700E	600N	VER:	140	8	-60	-64	-48	-36	-16	-24	0.25
		HOR:	-248	-224	-160	-104	-72	-64	-48	-44	
700E	575N	VER:	131	0	-63	-68	-52	-36	-15	-5	0.19
		HOR:	-242	-231	-168	-131	-105	-105	-105	-42	

LINE	STAT	LOOP	A								
800E	1050N	VER:	-180	-130	-62	-34	-20	-12	-6	-6	1.00
		HOR:	-120	-54	-22	-12	-5	-4	-2	-2	
800E	1025N	VER:	-210	-140	-68	-36	-20	-11	-6	-5	1.00
		HOR:	-150	-70	-30	-15	-18	-5	-3	-3	
800E	1000N	VER:	-75	-200	-97	-45	-25	-15	-9	-8	1.00
		HOR:	-450	-190	-66	-29	-18	-12	-8	-6	
800E	975N	VER:	-160	-140	-75	-44	-27	-17	-11	-10	1.00
		HOR:	-220	-110	-43	-18	-9	-7	-6	-7	
800E	950N	VER:	-100	-110	-78	-46	-28	-18	-11	-9	1.00
		HOR:	-350	-180	-78	-42	-29	-22	-14	-8	
800E	925N	VER:	-56	-97	-68	-44	-29	-18	-12	-11	1.00
		HOR:	-330	-180	-85	-40	-25	-18	-15	-10	
800E	900N	VER:	-1	-78	-66	-46	-34	-24	-16	-12	1.00
		HOR:	-350	-200	-80	-32	-13	-6	-5	-7	
800E	875N	VER:	3	-72	-66	-48	-34	-23	-14	-12	1.00
		HOR:	-300	-180	-93	-50	-36	-30	-22	-17	
800E	850N	VER:	18	-61	-65	-51	-37	-26	-17	-15	1.00
		HOR:	-310	-210	-110	-69	-49	-37	-27	-26	
800E	825N	VER:	59	-39	-61	-54	-40	-30	-22	-19	1.00
		HOR:	-140	-120	-66	-45	-37	-34	-30	-23	
800E	800N	VER:	110	-30	-63	-51	-36	-24	-13	-13	1.00
		HOR:	-310	-220	-110	-68	-46	-38	-30	-23	
800E	775N	VER:	126	-15	-58	-56	-44	-35	-17	-14	0.95
		HOR:	-294	-231	-126	-70	-48	-40	-35	-23	
800E	750N	VER:	132	-13	-63	-59	-44	-32	-20	-19	0.83
		HOR:	-301	-240	-132	-86	-61	-50	-39	-33	
800E	725N	VER:	136	8	-56	-57	-45	-30	-22	-21	0.75
		HOR:	-266	-213	-133	-89	-73	-62	-50	-40	
800E	700N	VER:	134	7	-61	-60	-47	-32	-23	-23	0.65
		HOR:	-276	-246	-169	-110	-86	-67	-56	-52	
800E	675N	VER:	131	14	-61	-61	-47	-30	-20	-21	0.55
		HOR:	-272	-272	-218	-145	-112	-90	-81	-63	
800E	650N	VER:	154	14	-64	-68	-54	-36	-30	-30	0.50
		HOR:	-280	-260	-200	-144	-116	-100	-88	-76	
800E	625N	VER:	155	13	-62	-66	-51	-37	-26	-31	0.45
		HOR:	-244	-244	-213	-162	-131	-113	-86	-42	

CHANNEL		1	2	3	4	5	6	7	8	GAIN
800E	600N	VER: 133	0	-73	-80	-53	-40	-26	-40	0.15
		HOR: -306	-286	-186	-113	-53	-40	-26	-46	
LINE	STAT	LOCP	B							
400E	1200N	VER: 226	120	-6	-40	-40	-33	-26	-13	0.15
		HOR: -433	-426	-293	-173	-153	-100	-73	-80	
400E	1175N	VER: 164	58	-29	-41	-29	-11	5	0	0.17
		HOR: -432	-411	-317	-194	-123	-111	-64	-29	
400E	1150N	VER: 157	28	-33	-42	-23	-14	-4	-4	0.21
		HOR: -523	-476	-323	-200	-123	-104	-52	-100	
400E	1125N	VER: 100	-28	-63	-56	-32	-24	-20	-28	0.25
		HOR: -480	-400	-268	-152	-88	-56	-56	-36	
400E	1100N	VER: 25	-66	-100	-85	-55	-29	11	29	0.27
		HOR: -518	-444	-277	-118	-40	-3	29	3	
400E	1075N	VER: 34	-80	-94	-63	-37	-17	-8	-8	0.35
		HOR: -514	-428	-274	-154	-80	-60	-40	-34	
400E	1050N	VER: -17	-125	-115	-82	-52	-40	-20	-17	0.40
		HOR: -550	-425	-275	-140	-82	-62	-50	-37	
400E	1025N	VER: -80	-146	-122	-77	-44	-31	-24	-22	0.45
		HOR: -466	-333	-222	-122	-73	-57	-62	-48	
400E	1000N	VER: -100	-161	-125	-75	-40	-25	-13	-13	0.52
		HOR: -461	-307	-184	-100	-55	-48	-28	-32	
400E	975N	VER: -140	-172	-123	-70	-40	-23	-12	-12	0.55
		HOR: -472	-309	-181	-90	-47	-38	-16	-21	
400E	950N	VER: -153	-169	-129	-76	-40	-27	-15	-13	0.65
		HOR: -369	-230	-144	-80	-46	-27	-12	-13	
400E	925N	VER: -146	-200	-133	-70	-34	-20	-10	-16	0.75
		HOR: -453	-266	-133	-64	-42	-26	-16	-36	
400E	900N	VER: -190	-214	-142	-71	-36	-21	-13	-14	0.84
		HOR: -428	-238	-119	-60	-36	-25	-17	-20	
400E	875N	VER: -271	-228	-130	-66	-32	-16	-7	-10	0.92
		HOR: -369	-206	-108	-56	-36	-18	-13	-11	
400E	850N	VER: -270	-220	-120	-70	-36	-24	-13	-10	1.00
		HOR: -300	-160	-91	-51	-37	-30	-16	-19	
400E	825N	VER: -270	-210	-110	-64	-33	-18	-9	-6	1.00
		HOR: -100	-90	-52	-40	-37	-31	-28	-16	
400E	800N	VER: -260	-200	-110	-57	-28	-15	-10	-9	1.00
		HOR: -180	-110	-75	-43	-29	-21	-11	-16	
400E	775N	VER: -270	-200	-100	-57	-30	-16	-11	-10	1.00
		HOR: -140	-81	-42	-25	-10	-5	-3	-4	
400E	750N	VER: -270	-200	-100	-57	-30	-16	-10	-10	1.00
		HOR: -110	-68	-37	-22	-13	-9	-5	-8	
400E	725N	VER: -300	-200	-110	-54	-27	-14	-8	-10	1.00
		HOR: -120	-73	-52	-27	-13	-3	0	-10	
400E	700N	VER: -320	-220	-110	-55	-25	-14	-7	-9	1.00
		HOR: -200	-88	-39	-25	-16	-13	-9	-5	

CHANNEL		1	2	3	4	5	6	7	8	GAIN	
LINE	STAT	LOOP	B								
500E	1200N	VER:	235	110	0	-35	-30	-55	-35	-30	0.20
		HCR:	-500	-425	-300	-190	-140	-120	-65	-55	
500E	1175N	VER:	163	45	-36	-50	-31	-22	-9	-18	0.22
		HCR:	-454	-436	-281	-204	-145	-100	-68	-72	
500E	1150N	VER:	120	-4	-60	-64	-48	-36	-24	-24	0.25
		HCR:	-520	-440	-288	-184	-140	-108	-104	-88	
500E	1125N	VER:	62	-34	-75	-72	-48	-37	-17	-17	0.29
		HCR:	-413	-344	-213	-117	-93	-89	-96	-148	
500E	1100N	VER:	60	-40	-71	-60	-34	-14	0	0	0.35
		HCR:	-485	-400	-242	-131	-65	-22	-28	-34	
500E	1075N	VER:	-23	-100	-109	-71	-35	-14	11	42	0.42
		HCR:	-500	-380	-238	-157	-83	-59	-23	-2	
500E	1050N	VER:	-83	-134	-116	-74	-45	-30	-21	-16	0.55
		HCR:	-472	-327	-181	-103	-56	-40	-30	-25	
500E	1025N	VER:	-125	-150	-118	-75	-47	-31	-20	-14	0.70
		HCR:	-400	-271	-157	-81	-50	-40	-31	-23	
500E	1000N	VER:	-129	-152	-117	-61	-32	-18	-12	-11	0.85
		HCR:	-447	-282	-141	-77	-47	-34	-23	-31	
500E	975N	VER:	-150	-139	-103	-53	-27	-15	-9	-10	0.93
		HCR:	-387	-225	-118	-68	-35	-22	-15	-15	
500E	950N	VER:	-210	-170	-100	-54	-25	-13	-9	-8	1.00
		HCR:	-340	-210	-120	-61	-45	-25	-22	-10	
500E	925N	VER:	-220	-170	-92	-44	-18	-9	-8	-11	1.00
		HCR:	-320	-190	-110	-60	-34	-23	-17	-21	
500E	900N	VER:	-220	-170	-100	-53	-26	-12	-1	0	1.00
		HCR:	-250	-130	-72	-37	-30	-25	-18	-13	
500E	875N	VER:	-240	-160	-95	-51	-27	-14	-5	-13	1.00
		HCR:	-270	-130	-65	-36	-25	-18	-9	-16	
500E	850N	VER:	-220	-150	-84	-44	-22	-14	-6	-10	1.00
		HCR:	-190	-96	-50	-23	-17	-13	-9	-14	
500E	825N	VER:	-210	-130	-70	-41	-25	-18	-14	-10	1.00
		HCR:	-100	-64	-36	-17	-11	-5	-1	-3	
500E	800N	VER:	-210	-120	-62	-38	-27	-21	-15	-5	1.00
		HCR:	-120	-52	-26	-16	-12	-9	-11	-6	
500E	775N	VER:	-190	-100	-62	-28	-12	-1	4	-1	1.00
		HCR:	-92	-44	-26	-18	-11	-2	0	-2	
500E	750N	VER:	-160	-96	-48	-27	-15	-9	-4	-4	1.00
		HCR:	-44	-7	5	8	10	7	3	2	
500E	725N	VER:	-140	-84	-42	-23	-12	-7	-3	-4	1.00
		HCR:	-44	-20	-14	-10	-7	-7	-4	-5	
500E	700N	VER:	-150	-80	-38	-17	-6	0	3	-3	1.00
		HCR:	-82	-38	-24	-13	-7	-2	2	-5	

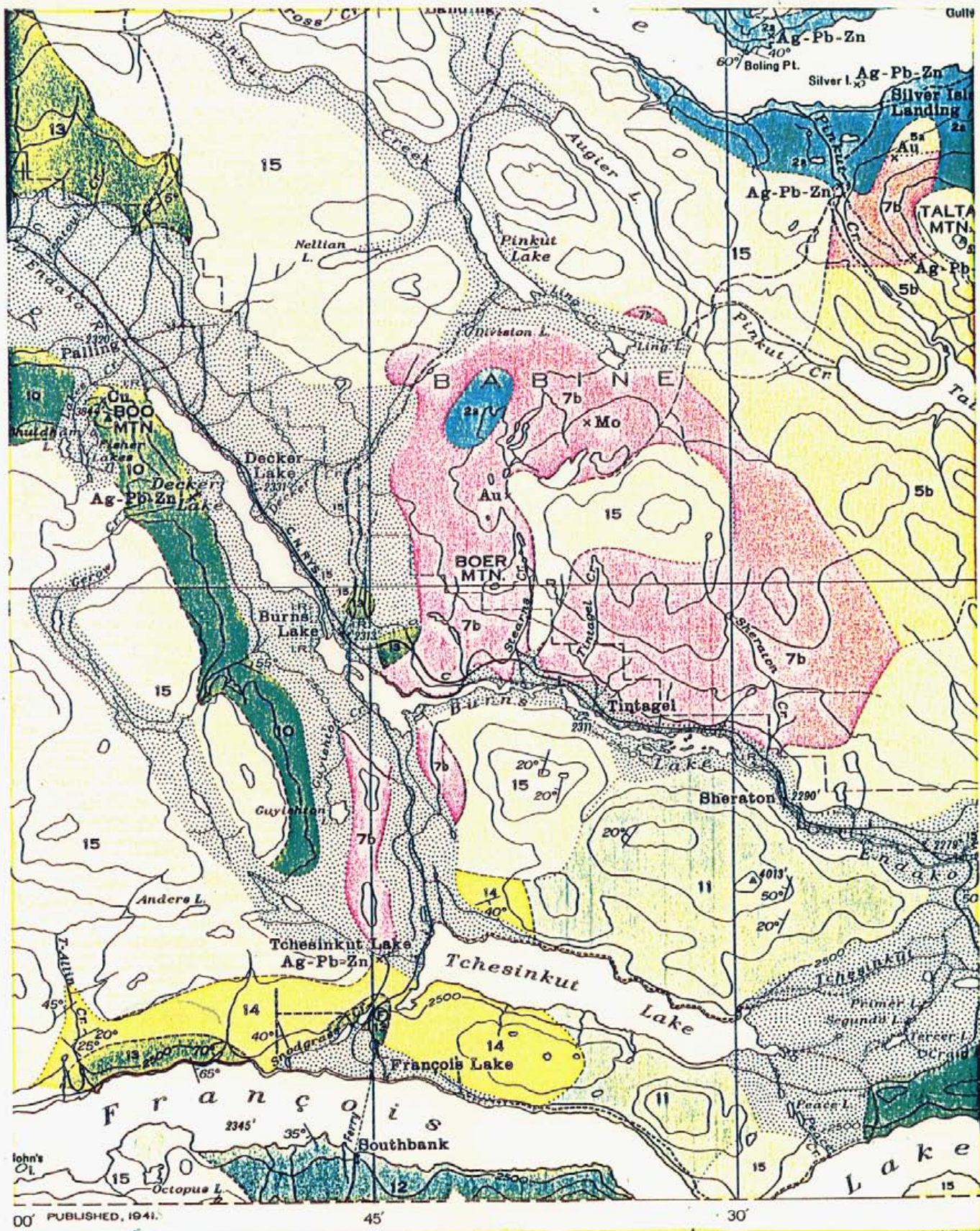
LINE	STAT	LOOP	B								
600E	1050N	VER:	-137	-137	-112	-70	-41	-27	-16	-15	0.30
		HCR:	-575	-300	-162	-87	-51	-36	-27	-18	
600E	1025N	VER:	-170	-150	-100	-62	-36	-23	-15	-17	1.00
		HCR:	-430	-270	-150	-86	-56	-43	-32	-20	

CHANNEL		1	2	3	4	5	6	7	8	GAIN
600E	1000N	VER: -200	-170	-110	-55	-31	-17	-11	-9	1.00
		HOR: -410	-250	-140	-69	-47	-34	-23	-12	
600E	975N	VER: -210	-170	-100	-53	-34	-21	-12	-6	1.00
		HOR: -320	-180	-90	-57	-32	-27	-21	-9	
600E	950N	VER: -210	-160	-90	-52	-28	-17	-10	-9	1.00
		HOR: -310	-210	-120	-62	-37	-24	-16	-12	
600E	925N	VER: -230	-150	-88	-45	-27	-15	-8	-8	1.00
		HOR: -270	-140	-75	-40	-28	-19	-10	-9	
600E	900N	VER: -220	-140	-76	-38	-23	-15	-6	-5	1.00
		HOR: -210	-110	-56	-33	-20	-11	-6	-5	
600E	875N	VER: -190	-130	-72	-40	-23	-15	-7	-7	1.00
		HOR: -150	-76	-38	-25	-15	-8	-6	-6	
600E	850N	VER: -170	-120	-62	-36	-21	-13	-6	-6	1.00
		HOR: -120	-66	-38	-22	-15	-9	-4	0	
600E	825N	VER: -130	-80	-44	-24	-13	-7	-4	-4	1.00
		HOR: -32	4	25	34	40	40	28	16	
600E	800N	VER: -90	-56	-30	-17	-10	-5	-2	-2	1.00
		HOR: -48	-24	-14	-9	-6	-4	-2	-2	
600E	775N	VER: -64	-30	-20	-12	-5	-2	0	-2	1.00
		HOR: -32	-12	-6	-5	-3	-2	-1	-3	
600E	750N	VER: -48	-28	-16	-11	-6	-3	-1	-2	1.00
		HOR: -18	-6	-3	-2	-1	-2	-1	-2	
600E	725N	VER: -25	-15	-7	-5	-2	0	2	0	1.00
		HOR: -9	-5	-4	-3	-2	-1	1	-2	
600E	700N	VER: -11	-7	-4	-3	0	1	2	1	1.00
		HOR: -5	-2	-2	-2	0	0	2	-1	

LINE	STAT	LOOP	B							
700E	1200N	VER: 245	120	-10	-55	-50	-40	-20	-25	0.20
		HOR: -435	-380	-320	-260	-190	-130	-125	-75	
700E	1175N	VER: 228	104	-12	-52	-48	-44	-28	-44	0.25
		HOR: -440	-388	-288	-192	-104	-100	-52	-92	
700E	1150N	VER: 200	83	-20	-46	-40	-30	-23	-23	0.30
		HOR: -500	-400	-283	-180	-126	-120	-90	-80	
700E	1125N	VER: 137	40	-34	-65	-62	-60	-57	-48	0.35
		HOR: -485	-400	-271	-157	-114	-94	-74	-54	
700E	1100N	VER: 106	-2	-53	-57	-44	-35	-31	-28	0.45
		HOR: -555	-422	-244	-142	-88	-57	-46	-40	
700E	1075N	VER: 22	-52	-72	-62	-46	-32	-24	-24	0.50
		HOR: -540	-420	-260	-130	-70	-56	-32	-56	
700E	1050N	VER: 18	-64	-76	-60	-41	-27	-13	-13	0.65
		HOR: -584	-415	-230	-120	-73	-50	-40	-27	
700E	1025N	VER: -88	-129	-96	-68	-51	-42	-29	-11	0.85
		HOR: -505	-317	-164	-82	-44	-29	-17	-15	
700E	1000N	VER: -180	-170	-110	-66	-40	-24	-12	-11	1.00
		HOR: -450	-280	-150	-83	-55	-37	-20	-17	
700E	975N	VER: -220	-180	-120	-62	-36	-21	-12	-20	1.00
		HOR: -330	-200	-110	-49	-30	-20	-15	-20	

CHANNEL	1	2	3	4	5	6	7	8	GAIN	IN
700E 950N	VER: -220	-170	-110	-60	-36	-24	-15	-13	1.00	00
	HQR: -340	-200	-110	-54	-26	-15	-7	-7		
700E 925N	VER: -230	-180	-100	-55	-30	-20	-13	-12	1.00	00
	HQR: -260	-150	-75	-38	-21	-16	-11	4		
700E 900N	VER: -250	-180	-100	-55	-32	-19	-11	-11	1.00	00
	HQR: -300	-160	-88	-45	-28	-20	-15	-25		
700E 875N	VER: -200	-140	-74	-34	-14	-5	-3	-5	1.00	00
	HQR: -270	-150	-68	-36	-21	-15	-6	-8		
700E 850N	VER: -160	-120	-67	-37	-21	-13	-7	-7	1.00	00
	HQR: -170	-100	-60	-35	-23	-14	-8	-5		
700E 825N	VER: -140	-100	-53	-35	-24	-18	-13	-6	1.00	00
	HQR: -120	-63	-36	-21	-14	-11	-6	-3		
700E 800N	VER: -110	-77	-41	-24	-14	-8	-4	-3	1.00	00
	HQR: -96	-45	-24	-11	-3	-2	-1	-5		
700E 775N	VER: -93	-63	-33	-18	-10	-5	-2	-4	1.00	
	HQR: -68	-27	-13	-7	-5	-4	-2	3		
700E 750N	VER: -68	-44	-23	-13	-6	-4	0	-1	1.00	
	HQR: -36	-14	-6	-5	-4	-4	-2	0		
700E 725N	VER: -45	-28	-15	-10	-4	-3	0	-1	1.00	
	HQR: -23	-9	-5	-4	-2	-2	0	0		
700E 700N	VER: -25	-14	-7	-4	-2	-1	1	0	1.00	
	HQR: -14	-5	-4	-3	-2	-1	0	0		

LINE	STAT	LOOP	B								
800E	1150N	VER: 228	114	-4	-42	-42	-38	-28	-42	0.21	
		HQR: -500	-452	-328	-214	-152	-123	-95	-90		
800E	1125N	VER: 224	100	-12	-48	-44	-36	-24	-20	0.25	
		HQR: -440	-400	-308	-232	-172	-140	-108	-60		
800E	1100N	VER: 216	93	-10	-40	-40	-40	-23	-33	0.30	
		HQR: -466	-433	-273	-160	-96	-63	-43	-43		
800E	1075N	VER: 167	54	-27	-48	-45	-37	-29	-32	0.37	
		HQR: -459	-405	-270	-170	-121	-91	-67	-59		
800E	1050N	VER: 146	43	-24	-43	-43	-39	-29	-19	0.41	
		HQR: -463	-365	-243	-151	-107	-85	-63	-36		
800E	1025N	VER: 124	24	-26	-36	-26	-12	-2	-12	0.50	
		HQR: -460	-340	-220	-134	-84	-54	-26	-24		
800E	1000N	VER: 80	-6	-46	-55	-45	-35	-25	-23	0.60	
		HQR: -550	-416	-233	-136	-88	-80	-46	-35		
800E	975N	VER: -37	-89	-85	-63	-44	-32	-20	-16	0.74	
		HQR: -581	-418	-243	-135	-98	-70	-48	-33		
800E	950N	VER: -114	-135	-104	-69	-45	-35	-23	-22	0.96	
		HQR: -489	-322	-177	-97	-62	-46	-31	-17		
800E	925N	VER: -190	-160	-100	-65	-38	-25	-14	-14	1.00	
		HQR: -440	-270	-130	-70	-38	-25	-13	-13		
800E	900N	VER: -200	-170	-100	-59	-37	-25	-16	-12	1.00	
		HQR: -340	-210	-110	-61	-40	-29	-19	-13		
800E	875N	VER: -180	-150	-92	-53	-31	-21	-13	-13	1.00	
		HQR: -260	-150	-84	-41	-18	-10	-10	-13		



00 PUBLISHED, 1941.

MAP 631A
FORT FRASER

Scale, 253,170 or 1 Inch to 4 Miles



Approximate magnetic declination, 29°15' East.

7498

Plate 1

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GEOPHYSICS PAPER 5306

DECKER LAKE

BRITISH COLUMBIA

SHEET 93 $\frac{K}{S}$

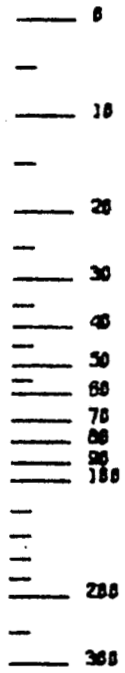
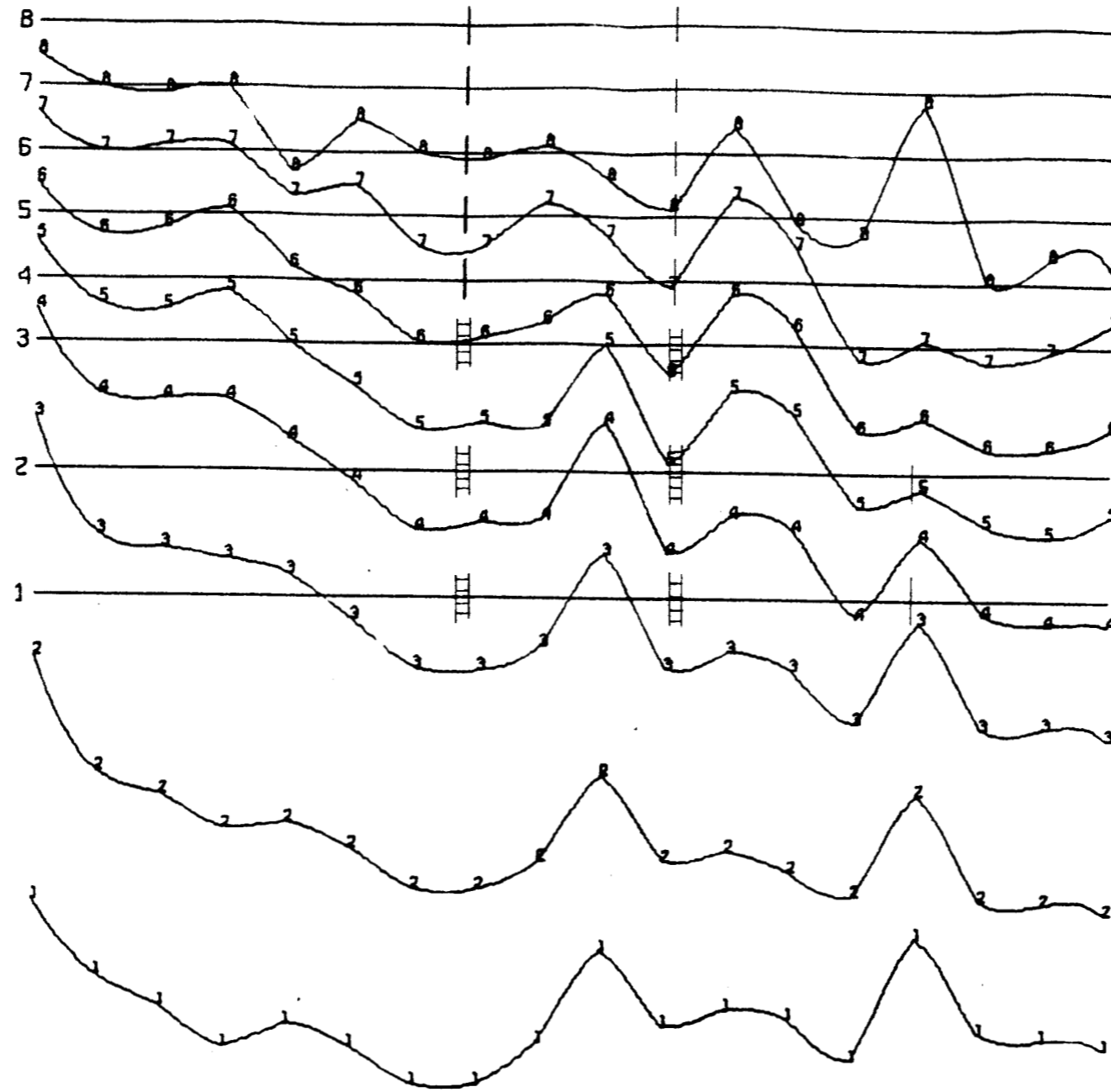
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Plate 2

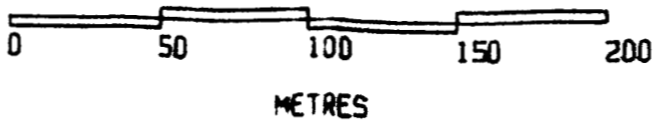
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LOOPA

1050 N
1025 N
1000
975N
950N
925N
900N
875N
850N
825N
800N
775N
750N
725N
700N
675N
650N
625N



+ OR -
P.P.K.
SCALE



NUMBER IN THE LINE = CHANNEL NUMBER

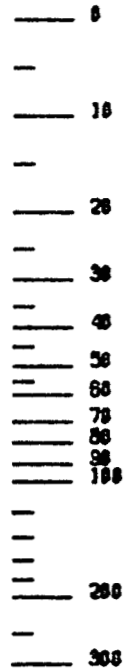
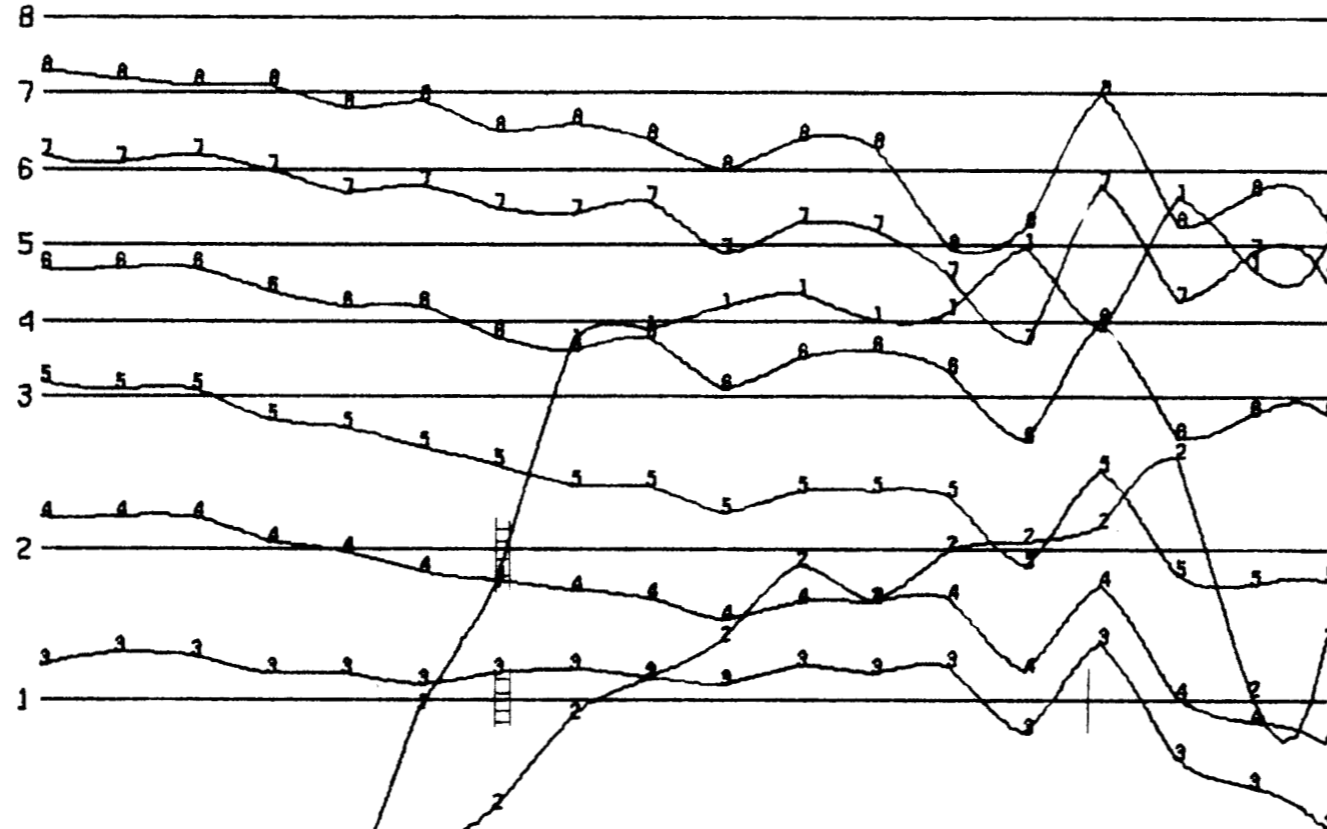
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7498
NO.

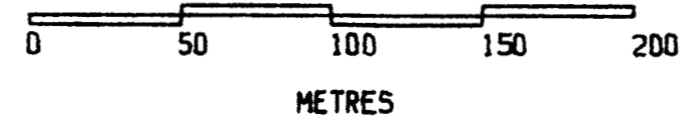
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N.T.S. '93-K/5 W
DATE 7 AUGUST 1979
FIG. NO: 3

LOCPA

1050 N 1025 N 1000 975N 950N 925N 900N 875N 850N 825N 800N 775N 750N 725N 700N 675N 650N 625N



+ OR -
P.P.K.
SCALE



NUMBER IN THE LINE = CHANNEL NUMBER

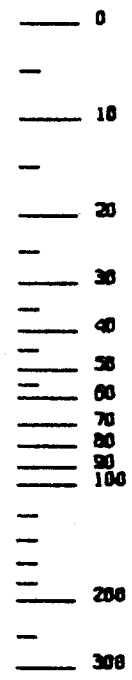
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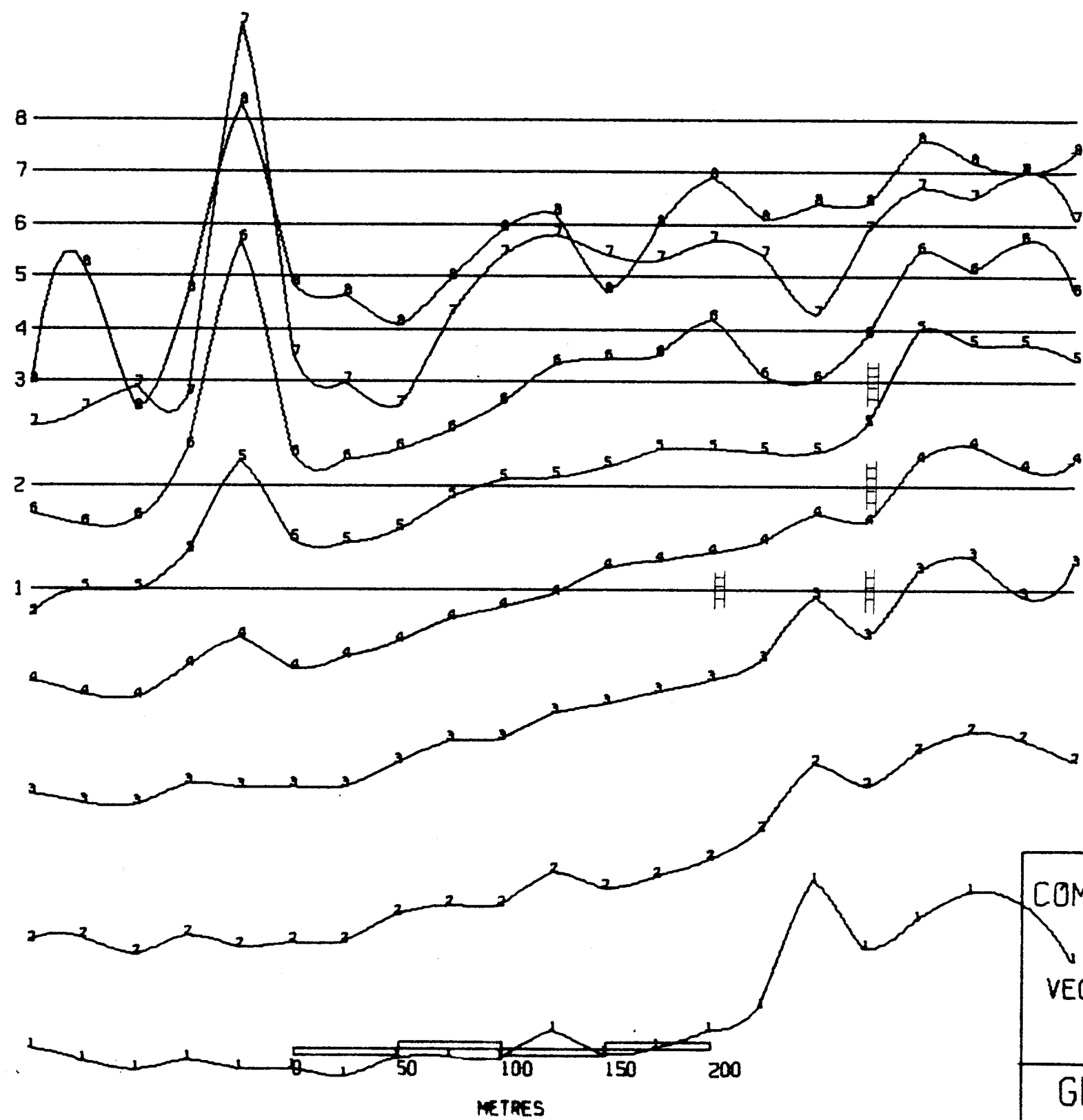
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VERTICAL COMPONENT
LINE 400E A
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DATE 7 AUGUST 1978
FIG. NO: 4

1200 N 1175 N 1150 N 1125 N 1100 N 1075 N 1050 N 1025 N 1000 975N 950N 925N 900N 875N 850N 825N 800N 775N 750N 725N 700N

LOOP B



+ OR -
P.P.K.
SCALE



NUMBER IN THE LINE = CHANNEL NUMBER

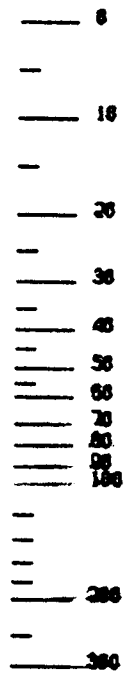
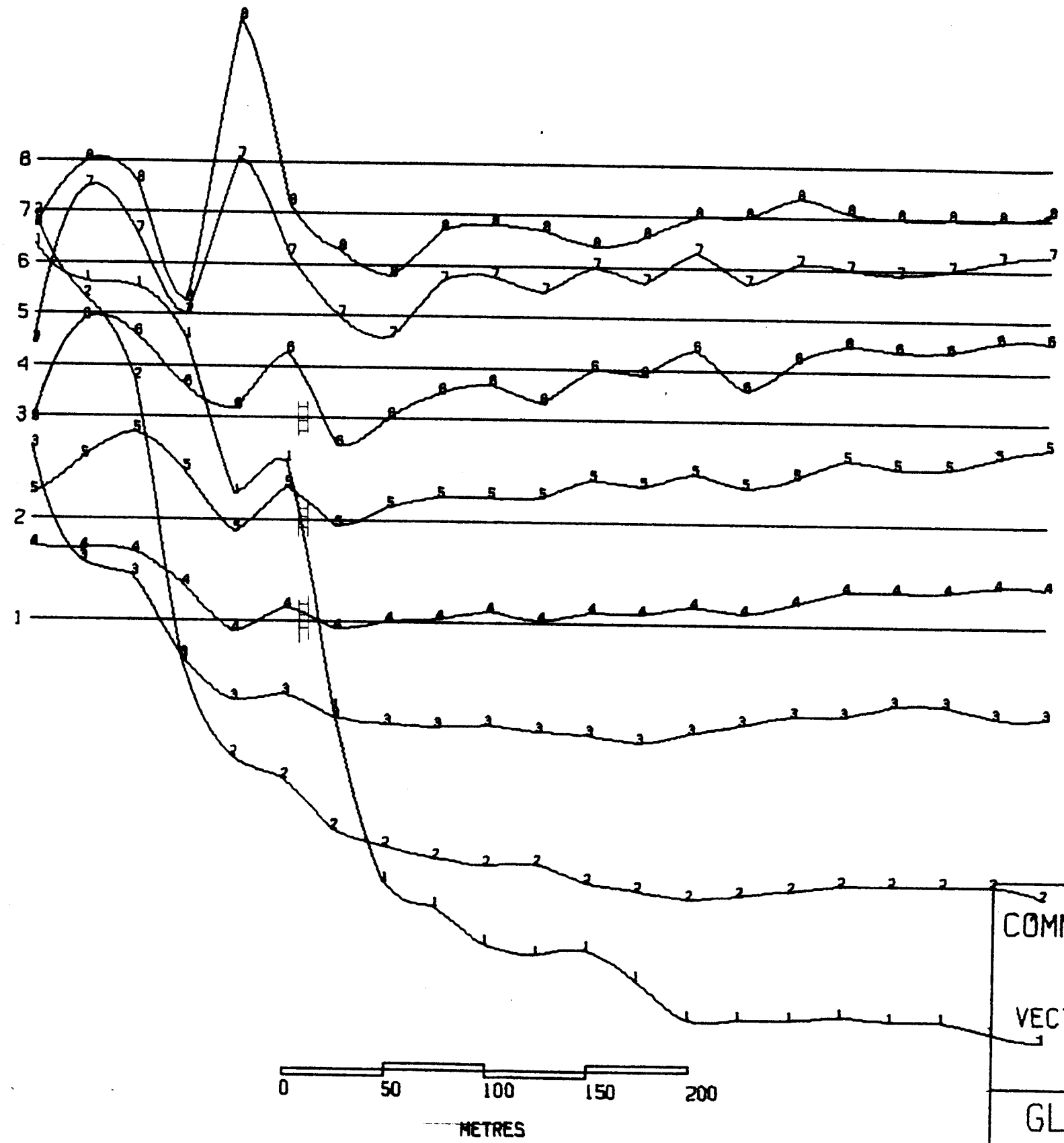
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LINE 400E B
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DATE 7 AUGUST 1978
FIG.NO: 5

1200 N 1175 N 1150 N 1125 N 1100 N 1075 N 1050 N 1025 N 1000 975N 950N 925N 900N 875N 850N 825N 800N 775N 750N 725N 700N

LOOPB



+ OR -
P.P.K.
SCALE

NUMBER IN THE LINE = CHANNEL NUMBER

INSTRUMENT: CRONE P.E.M.

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
7498
NO.

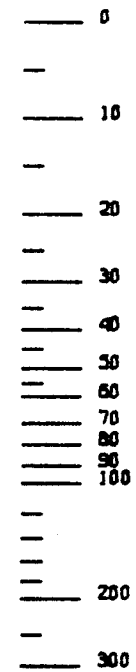
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VERTICAL COMPONENT
LINE 400E B

GLEN E. WHITE
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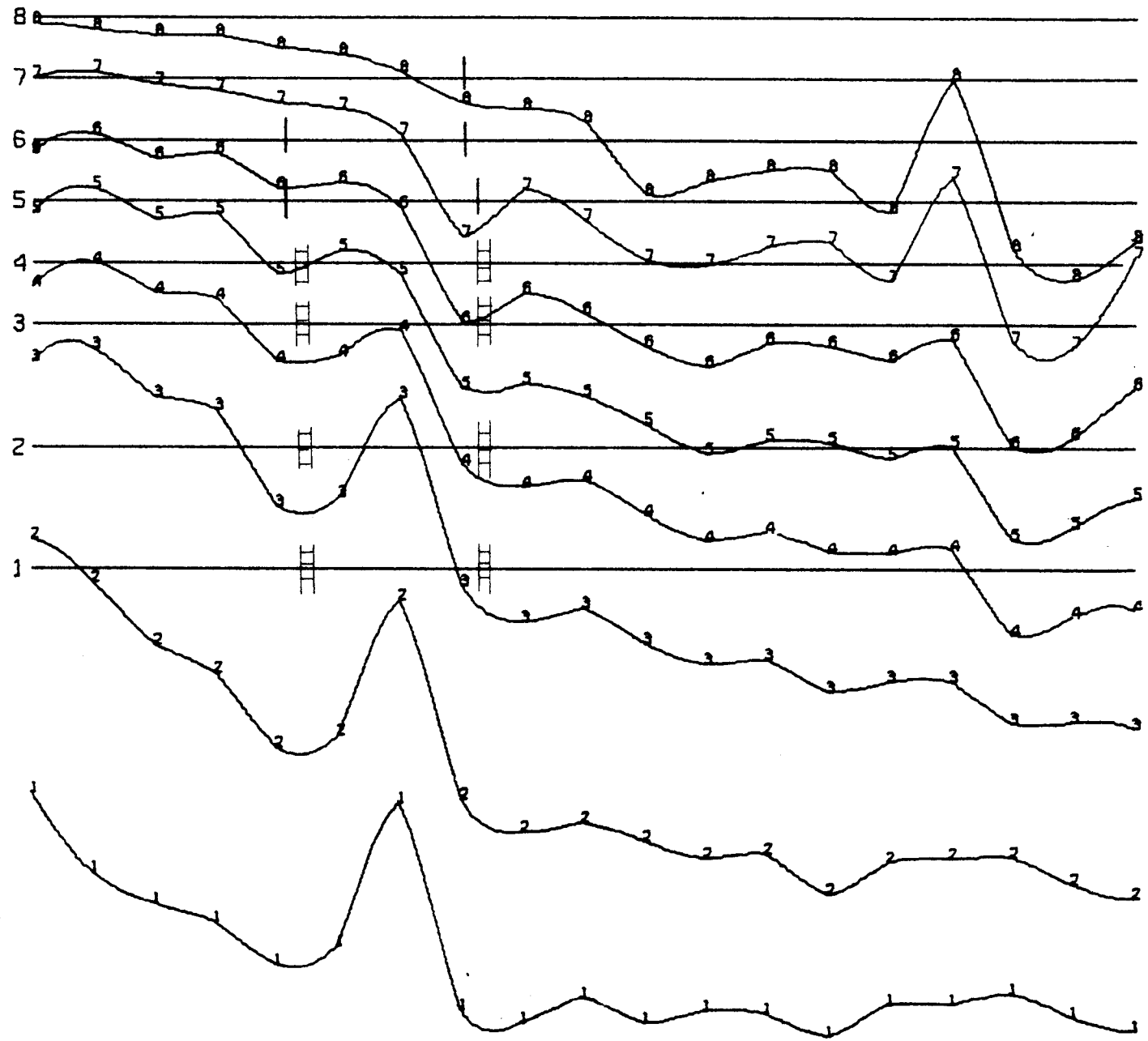
N.T.S. 93-K/5 W
DATE 7 AUGUST 1978
FIG. NO: 6

LOOPRA

1050 N 1025 N 1000 975N 950N 925N 900N 875N 850N 825N 800N 775N 750N 725N 700N 675N 650N 625N 600N



+ OR -
P.P.K.
SCALE



NUMBER IN THE LINE = CHANNEL NUMBER

INSTRUMENT: CRONE P.E.M.

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
7998
NO.

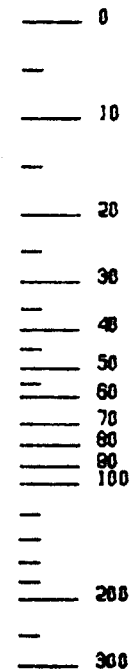
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VECTOR PULSE ELECTROMAGNETOMETER
HORIZONTAL COMPONENT
LINE 500E A

GLEN E. WHITE
GEOPHYSICAL CONSULTING
& SERVICES LTD.

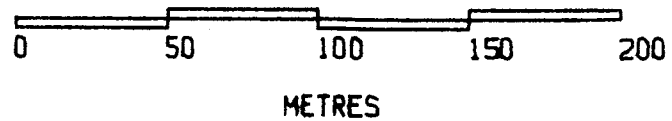
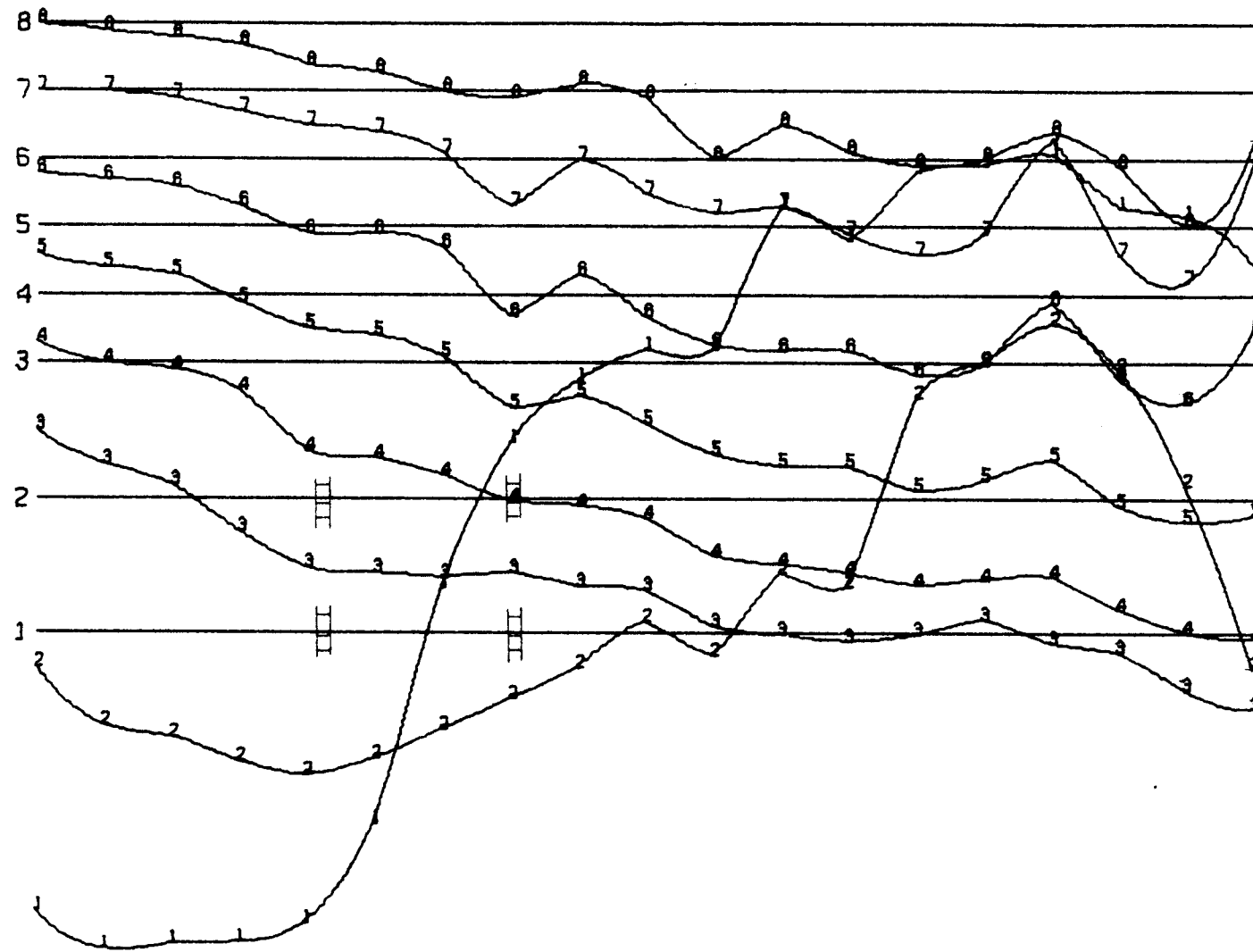
N.T.S. 93-K/5 W
DATE 7 AUGUST 1979
FIG.NO: 7

LOOPA

1050 N
1025 N
1000
975N
950N
925N
900N
875N
850N
825N
800N
775N
750N
725N
700N
675N
650N
625N
600N



+ OR -
P.P.K.
SCALE



NUMBER IN THE LINE = CHANNEL NUMBER

INSTRUMENT: CRONE P.E.M.

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
7498
NO

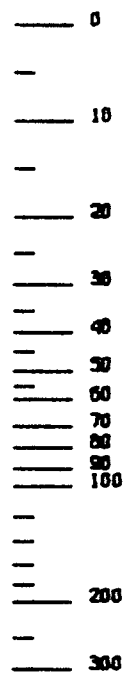
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VERTICAL COMPONENT
LINE 500E A

GLEN E. WHITE
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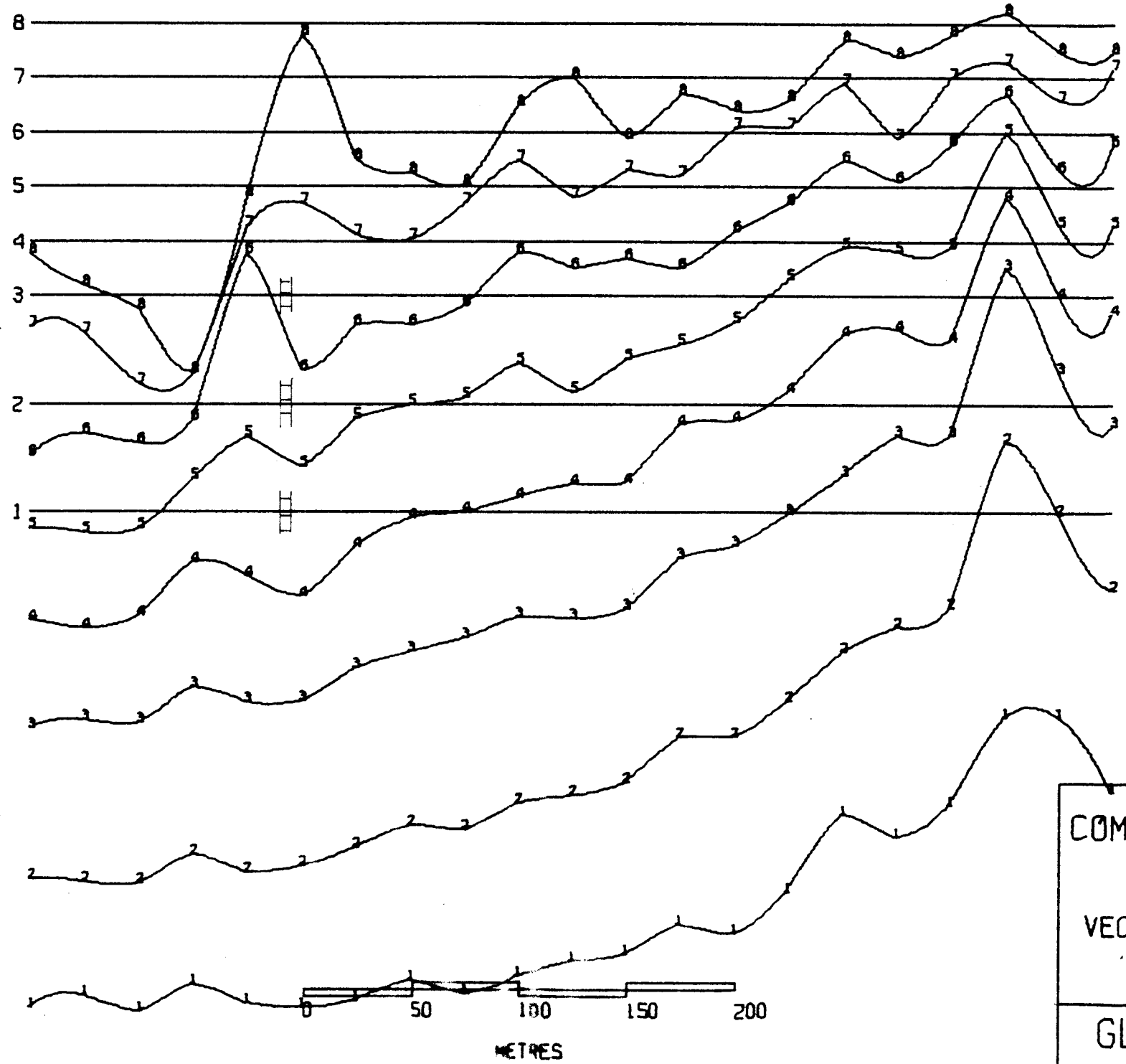
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DATE 7 AUGUST 1979
FIG.NO: 8

1200 N 1175 N 1150 N 1125 N 1100 N 1075 N 1050 N 1025 N 1000 975N 950N 925N 900N 875N 850N 825N 800N 775N 750N 725N 700N

LOOP B



+ OR -
P.P.K.
SCALE



NUMBER IN THE LINE = CHANNEL NUMBER

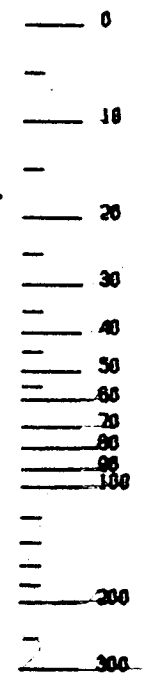
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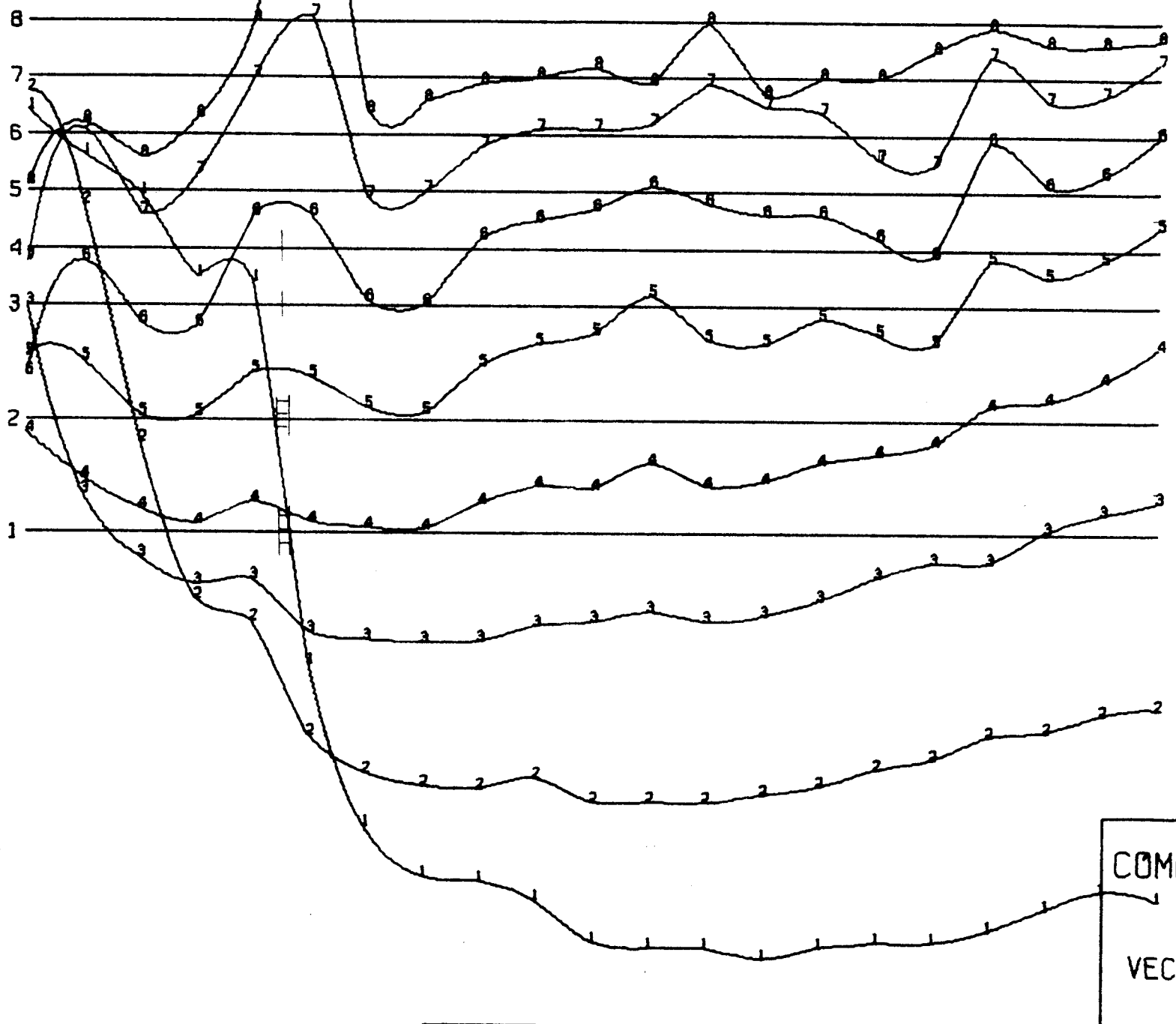
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LINE 500E B
GLEN E. WHITE
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N.T.S. 93-K/5 W
DATE 7 AUGUST 1979
FIG. NO: 9

1200 N 1175 N 1150 N 1125 N 1100 N 1075 N 1050 N 1025 N 1000 975N 950N 925N 900N 875N 850N 825N 800N 775N 750N 725N 700N

LOOP B



+ OR -
P.P.K.
SCALE



NUMBER IN THE LINE = CHANNEL NUMBER

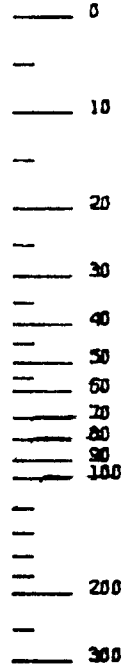
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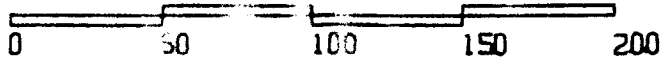
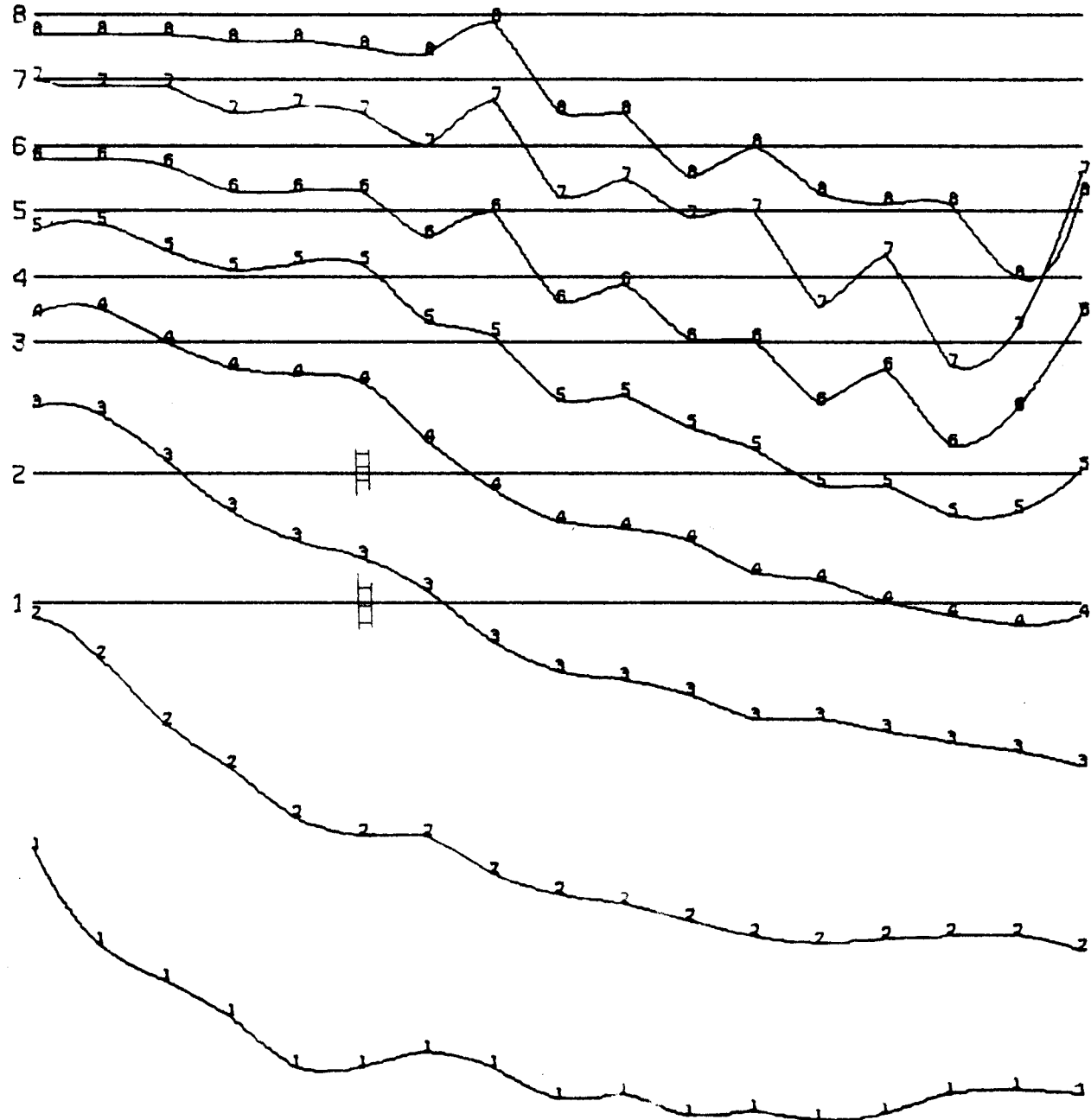
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VERTICAL COMPONENT
LINE 500E B
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N.T.S. 93-K/5 W
DATE 7 AUGUST 1979
FIG. NO: 10

LOOPA

1050 N 1025 N 1000 975N 950N 925N 900N 875N 850N 825N 800N 775N 750N 725N 700N 675N 650N



+ OR -
P.P.K.
SCALE



M. METRES

NUMBER IN THE LINE = CHANNEL NUMBER

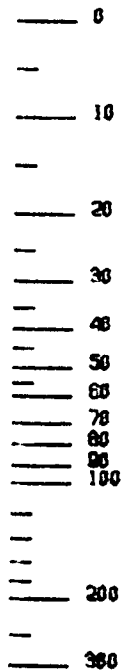
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ASSESSMENT REPORT
7498
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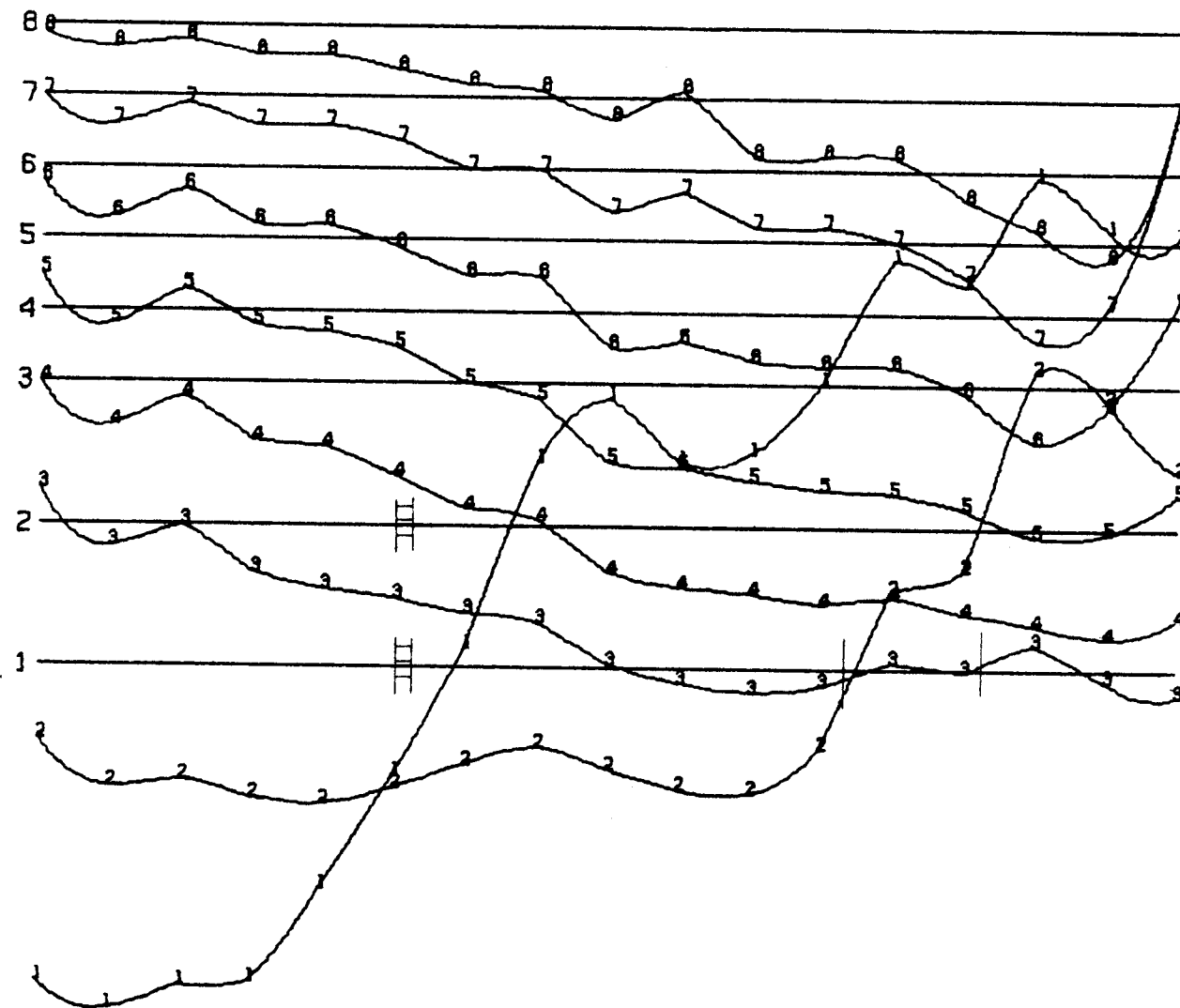
COMMONWEALTH MINERALS LIMITED
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VECTOR PULSE ELECTROMAGNETOMETER
HORIZONTAL COMPONENT
LINE 600E A
GLEN E. WHITE
GEOPHYSICAL CONSULTING
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N.T.S. 93-K/5 W
DATE 7 AUGUST 1979
FIG. NO: 11

LOOPA

1050 N
1025 N
1000
975N
950N
925N
900N
875N
850N
825N
800N
775N
750N
725N
700N
675N
650N



+ OR -
P.P.K.
SCALE



METRES

NUMBER IN THE LINE = CHANNEL NUMBER

INSTRUMENT: CRONE P.E.M.

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
7498
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COMMONWEALTH MINERALS LIMITED

DECK CLAIMS

VECTOR PULSE ELECTROMAGNETOMETER
VERTICAL COMPONENT
LINE 600E A

GLEN E. WHITE
GEOPHYSICAL CONSULTING
& SERVICES LTD.

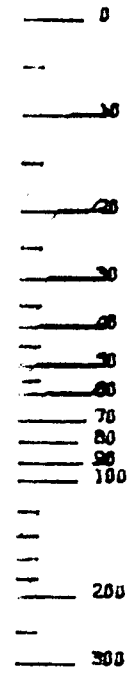
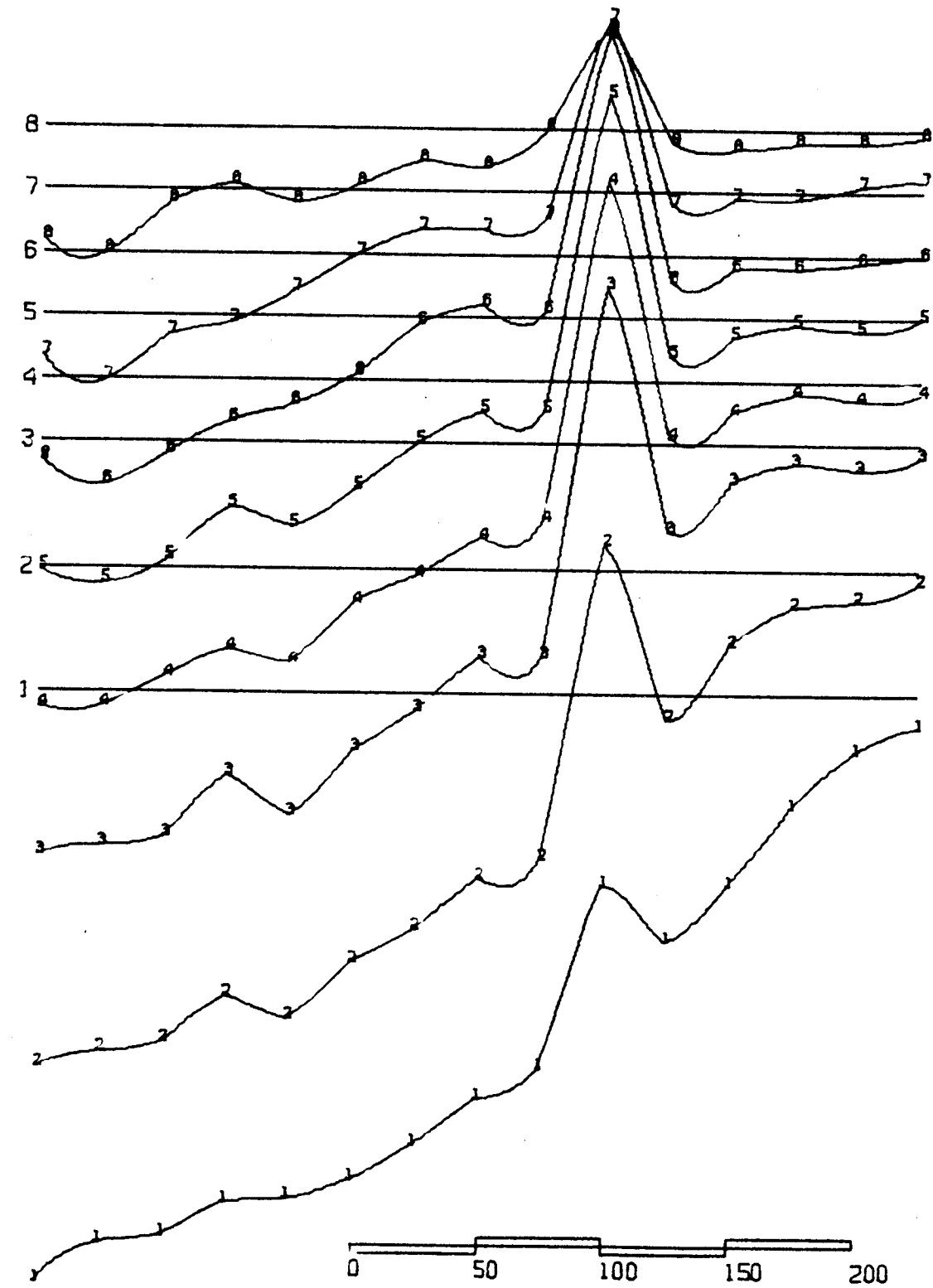
N.T.S. 93-K/5 W

DATE 7 AUGUST 1979

FIG. NO: 12

1050 N
1025 N
1000
975N
950N
925N
900N
875N
850N
825N
800N
775N
750N
725N
700N

LOOPB



+ OR -
P.P.K.
SCALE

0 50 100 150 200
METRES

NUMBER IN THE LINE = CHANNEL NUMBER

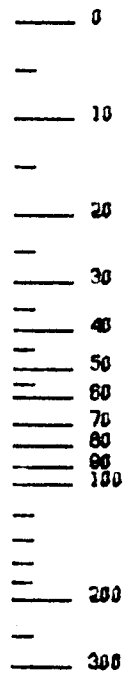
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ASSESSMENT REPORT
7498
NO.

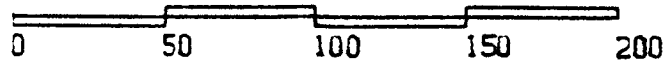
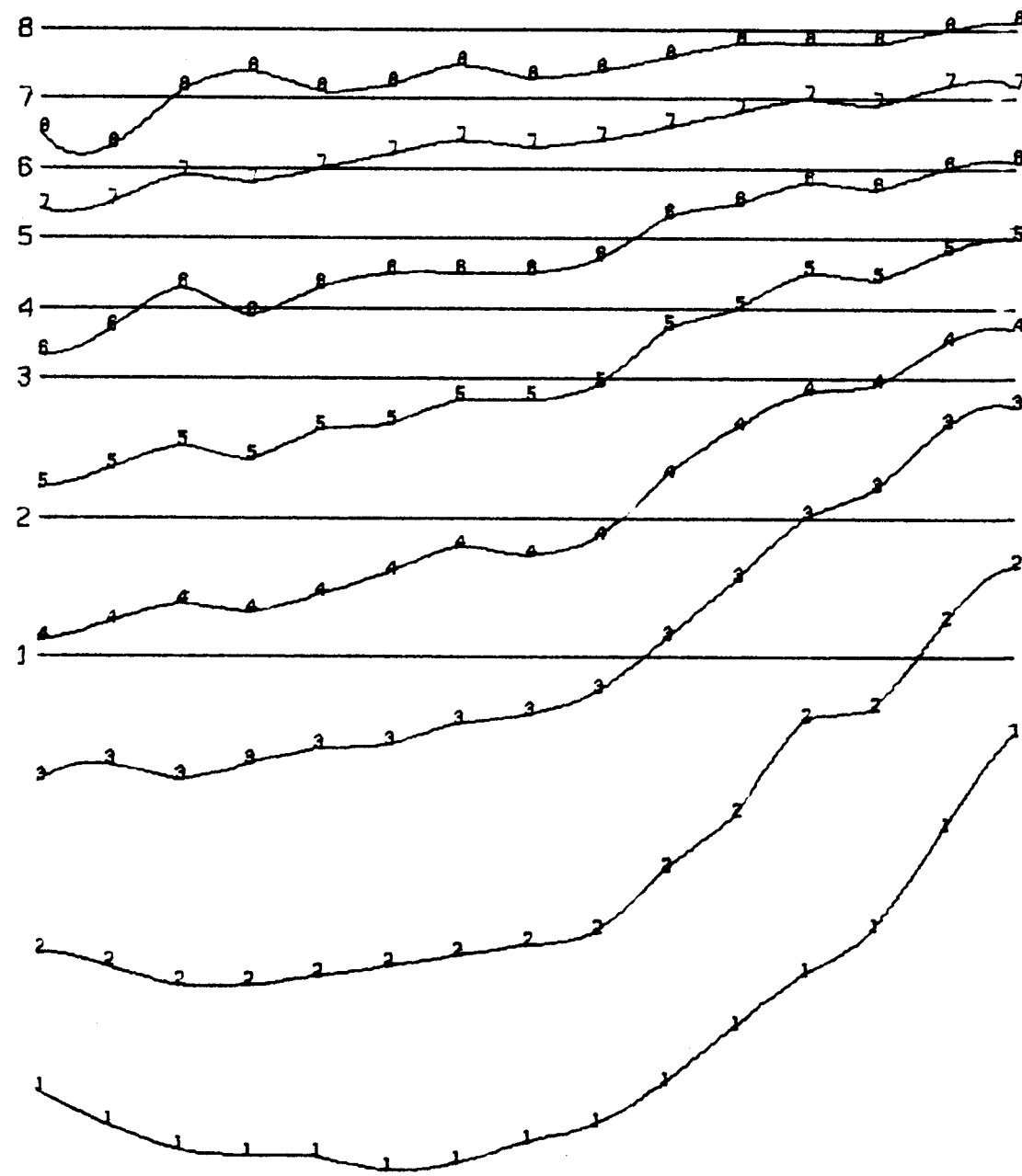
COMMONWEALTH MINERALS LIMITED
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VECTOR PULSE ELECTROMAGNETOMETER
HORIZONTAL COMPONENT
LINE 600E B
GLEN E. WHITE
GEOPHYSICAL CONSULTING
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N.T.S. 93-K/5 W
DATE 7 AUGUST 1974
FIG.NO: 13

1050 N
1025 N
1000
975N
950N
925N
900N
875N
850N
825N
800N
775N
750N
725N
700N

LUOPB



• OR -
P.P.K.
SCALE



METRES

NUMBER IN THE LINE = CHANNEL NUMBER

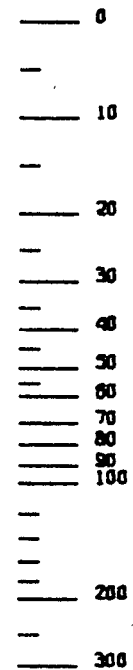
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ASSESSMENT REPORT
7498
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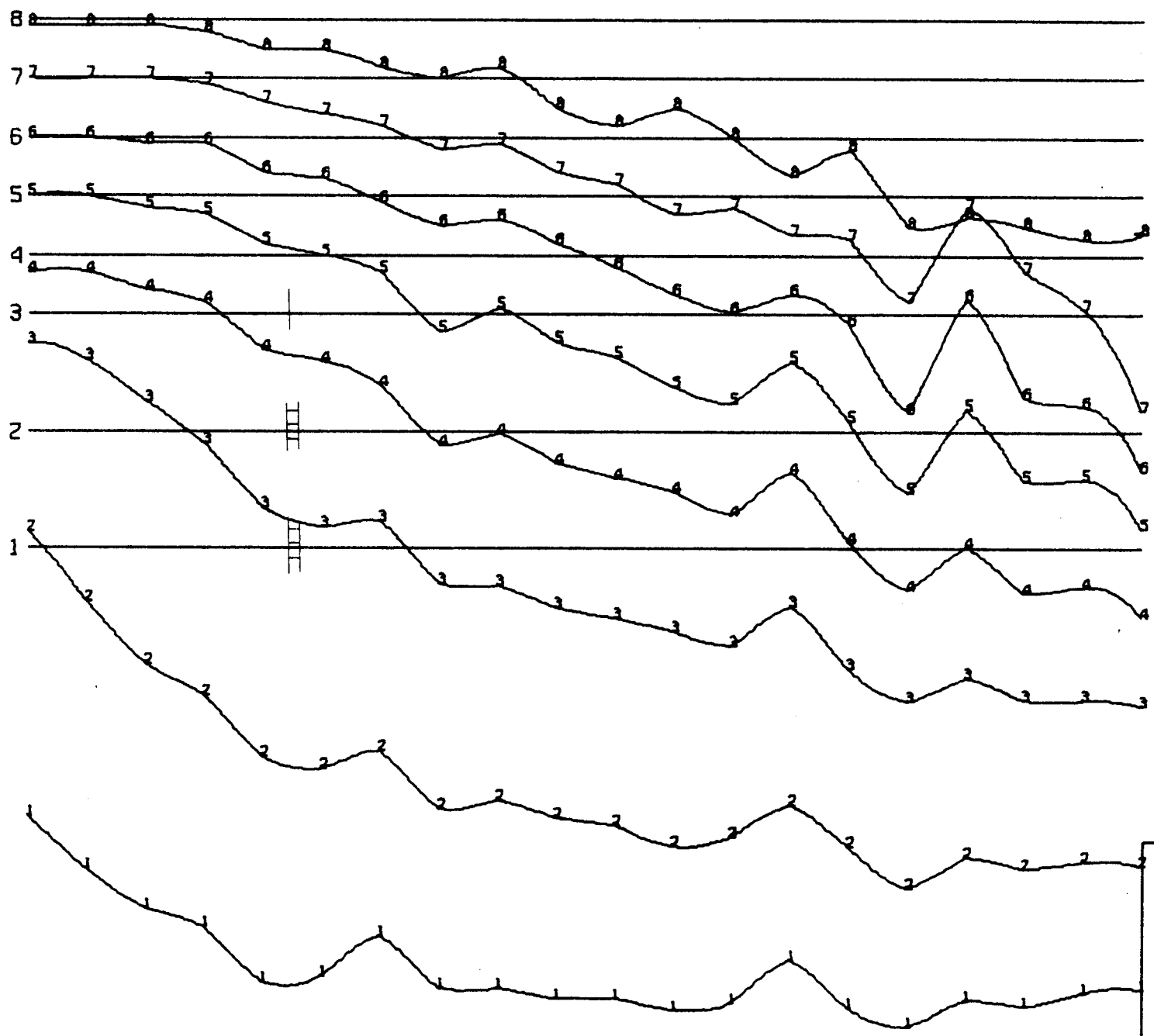
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VECTOR PULSE ELECTROMAGNETOMETER
VERTICAL COMPONENT
LINE 600E B
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N.T.S. 93-K/5 W
DATE 7 AUGUST 1979
FIG. NO: 14

LOOPA

1050 N
1025 N
1000
975N
950N
925N
900N
875N
850N
825N
800N
775N
750N
725N
700N
675N
650N
625N
600N
575N



+ OR -
P.P.K.
SCALE



METRES

NUMBER IN THE LINE = CHANNEL NUMBER

INSTRUMENT: CRONE P.E.M.

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
7498
NO.

COMMONWEALTH MINERALS LIMITED
DECK CLAIMS
VECTOR PULSE ELECTROMAGNETOMETER
HORIZONTAL COMPONENT
LINE 700E A

GLEN E. WHITE
GEOPHYSICAL CONSULTING
& SERVICES LTD.

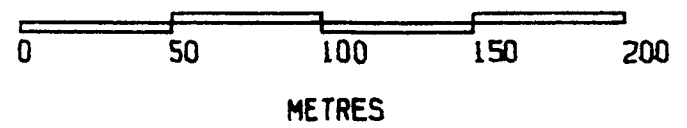
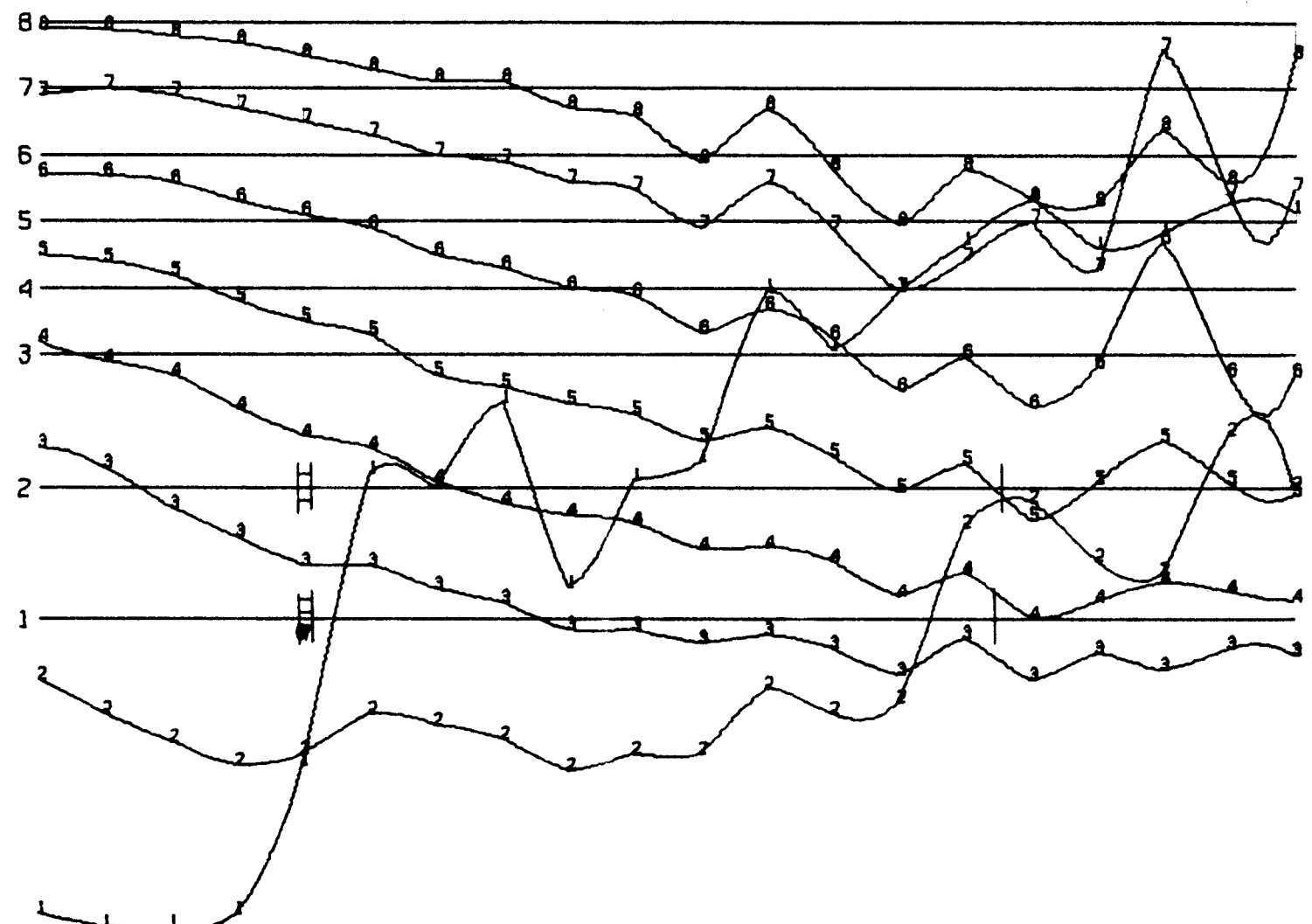
N.T.S. 93-K/5 W
DATE 7 AUGUST 1979
FIG. NO: 15

LOGPA

1050 N 1025 N 1000 975N 950N 925N 900N 875N 850N 825N 800N 775N 750N 725N 700N 675N 650N 625N 600N 575N

0
10
20
30
40
50
60
70
80
90
100
200
300

+ OR -
P.P.K.
SCALE



NUMBER IN THE LINE = CHANNEL NUMBER

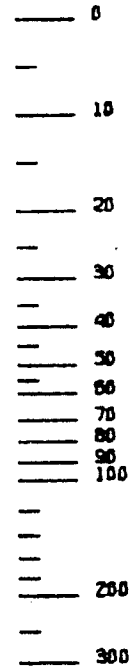
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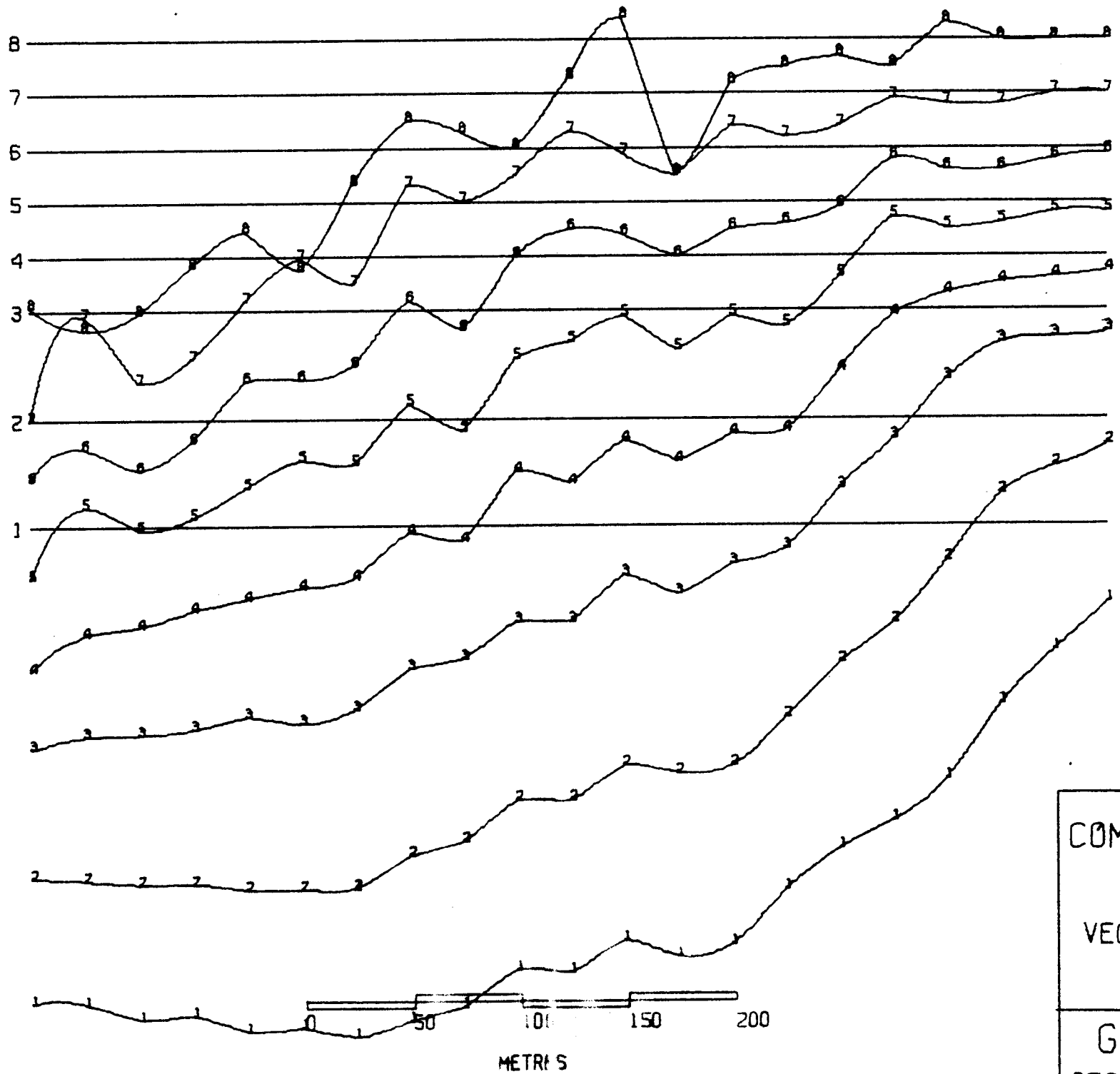
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VERTICAL COMPONENT
LINE 700E A
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DATE 7 AUGUST 1979
FIG. NO: 16

1200 N 1175 N 1150 N 1125 N 1100 N 1075 N 1050 N 1025 N 1000 975N 950N 925N 900N 875N 850N 825N 800N 775N 750N 725N 700N

LOOP B



+ OR -
P.P.K.
SCALE



NUMBER IN THE LINE = CHANNEL NUMBER

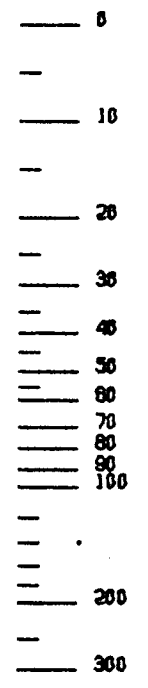
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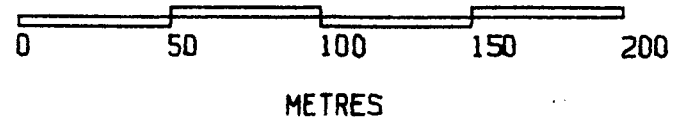
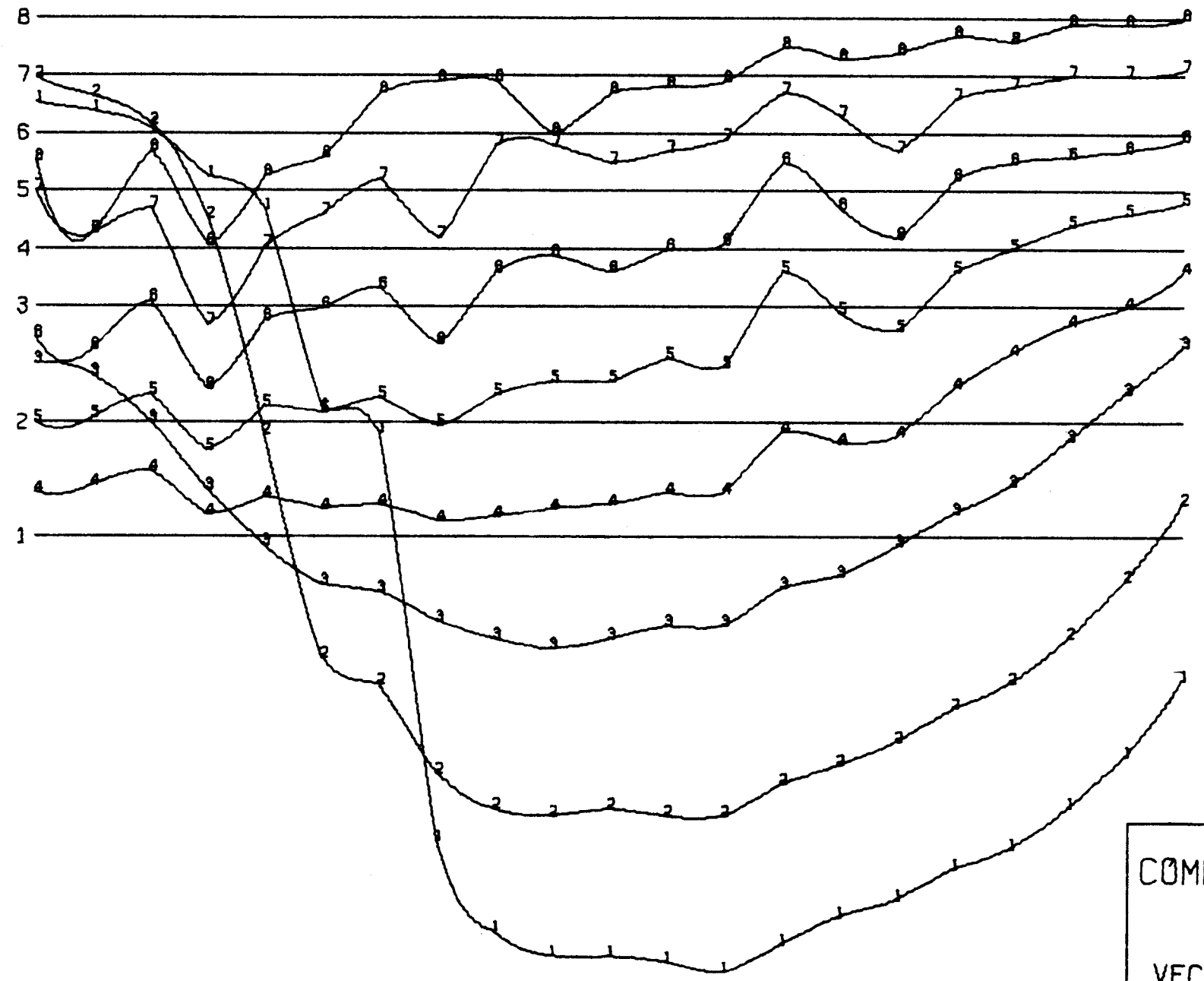
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HORIZONTAL COMPONENT
LINE 700E B
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N.T.S. 93-K/5 W
DATE 7 AUGUST 1979
FIG. NO. 17

1200 N 1175 N 1150 N 1125 N 1100 N 1075 N 1050 N 1025 N 1000 975N 950N 925N 900N 875N 850N 825N 800N 775N 750N 725N 700N

LOOP B



+ OR -
P.P.K.
SCALE



NUMBER IN THE LINE = CHANNEL NUMBER

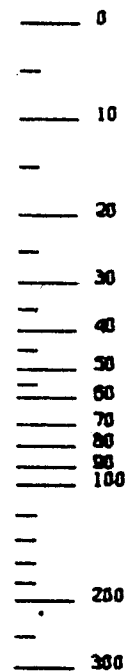
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ASSIGNMENT REPORT
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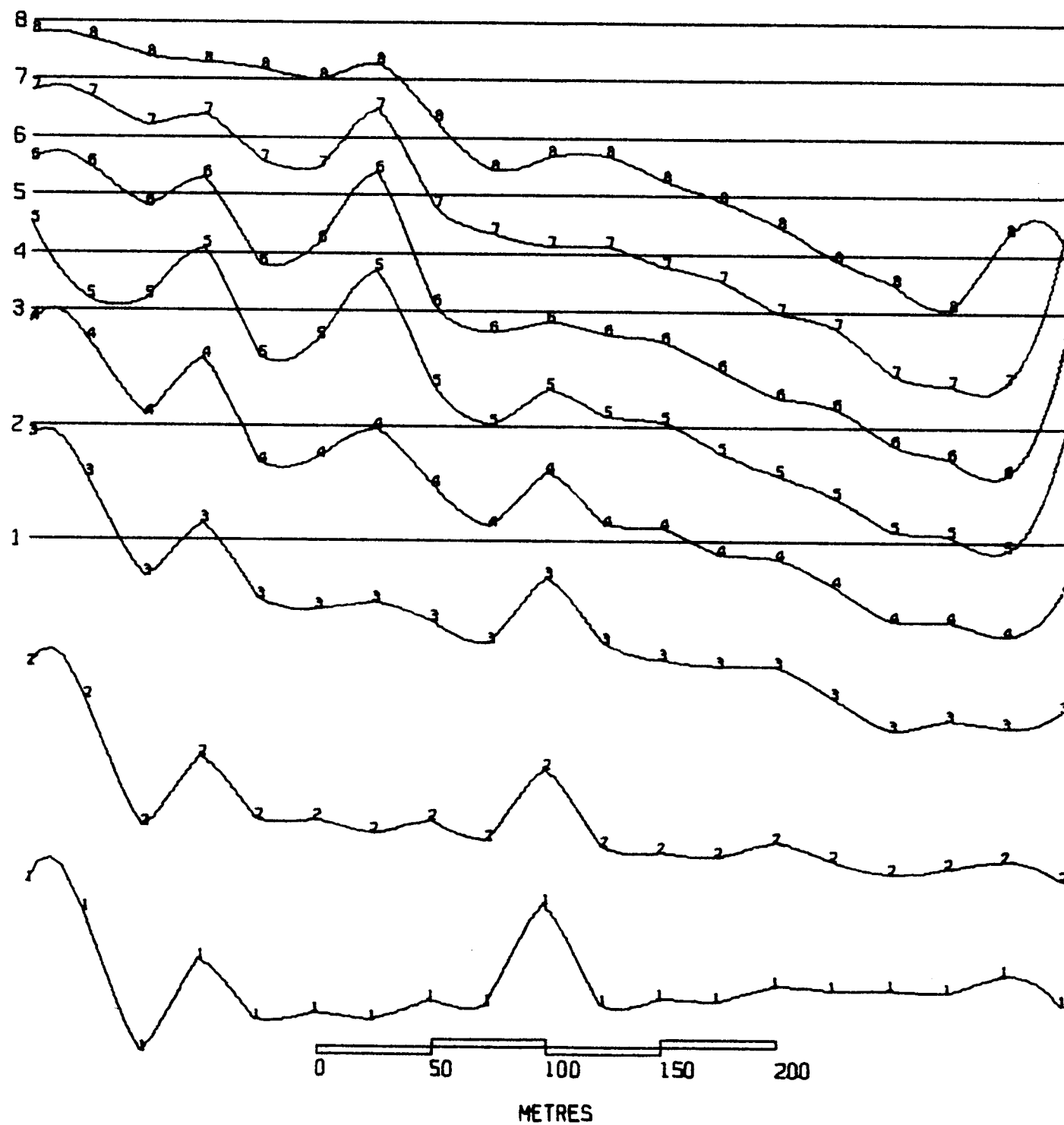
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DECK CLAIMS
VECTOR PULSE ELECTROMAGNETOMETER
VERTICAL COMPONENT
LINE 700E B
GLEN E. WHITE
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N.T.S. 93-K/5 W
DATE 7 AUGUST 1979
FIG. NO: 18

LOOPA

1050 N
1025 N
1000
975N
950N
925N
900N
875N
850N
825N
800N
775N
750N
725N
700N
675N
650N
625N
600N



+ OR -
P.P.K.
SCALE



NUMBER IN THE LINE = CHANNEL NUMBER

INSTRUMENT: CRONE P.E.M.

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT

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COMMONWEALTH MINERALS LIMITED

DECK CLAIMS

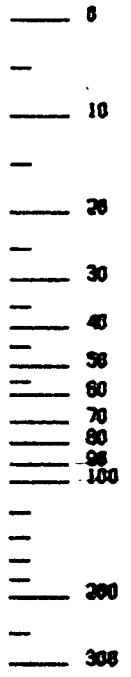
VECTOR PULSE ELECTROMAGNETOMETER
HORIZONTAL COMPONENT
LINE 800E A

GLEN E. WHITE
GEOPHYSICAL CONSULTING
& SERVICES LTD.

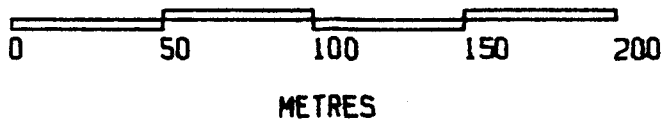
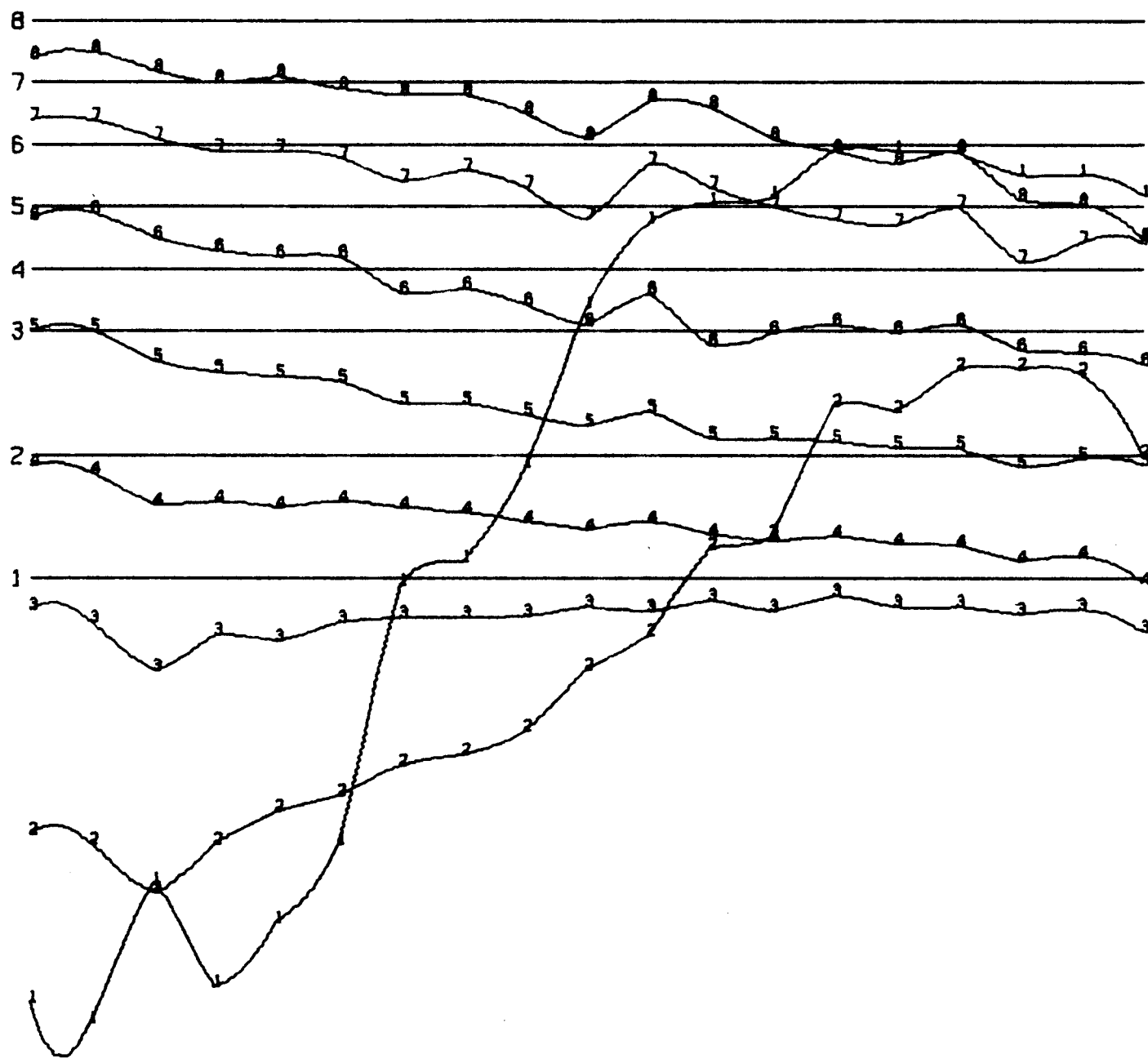
N.T.S. 93-K/5 W
DATE 7 AUGUST 1979
FIG. NO: 19

LOCPA

1050 N 1025 N 1000 975N 950N 925N 900N 875N 850N 825N 800N 775N 750N 725N 700N 675N 650N 625N 600N



+ OR -
P.P.K.
SCALE



NUMBER IN THE LINE = CHANNEL NUMBER

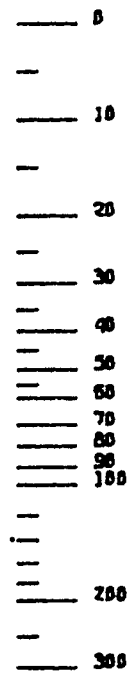
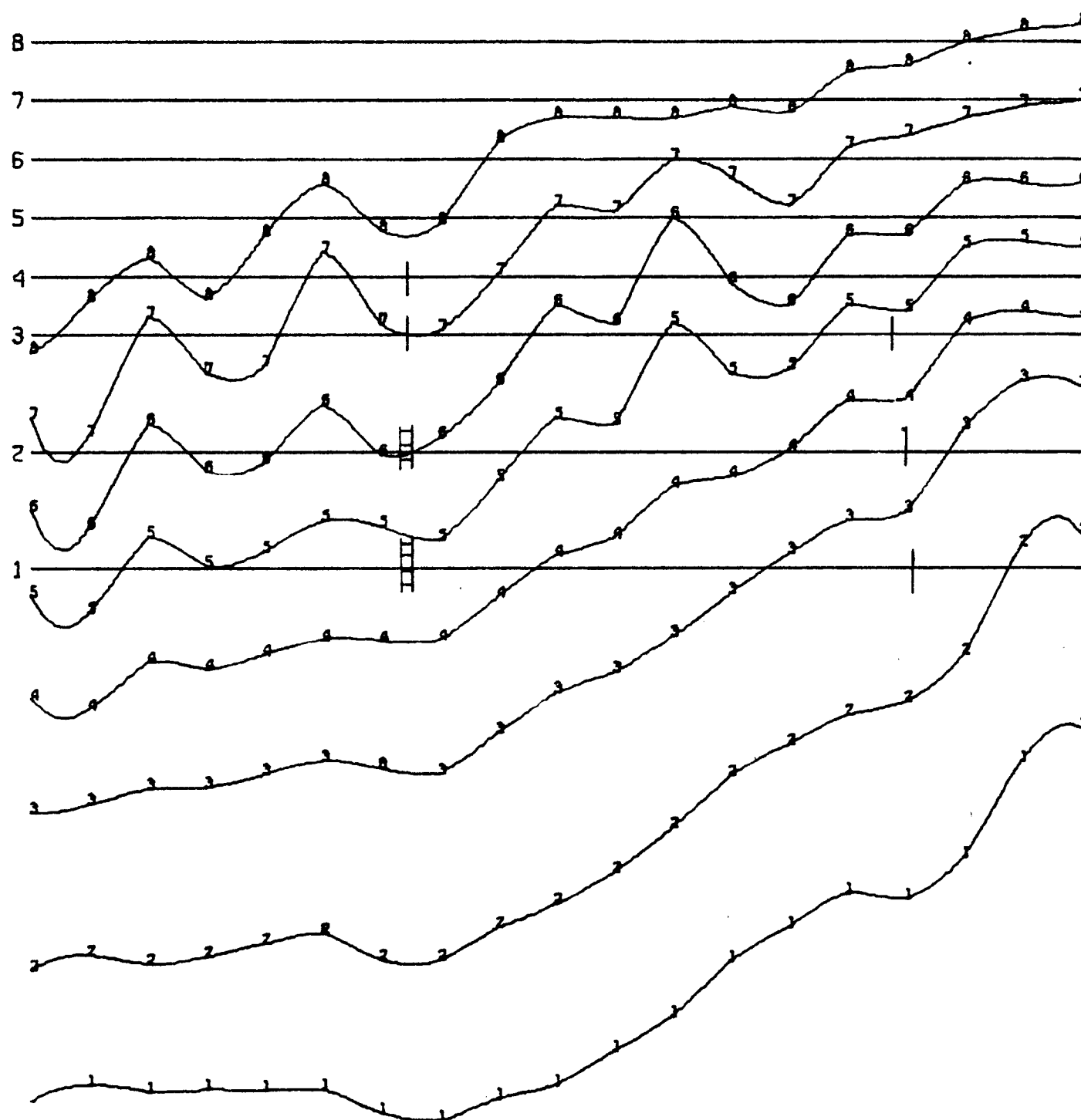
INSTRUMENT: CRONE P.E.M.

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
7498
NO.

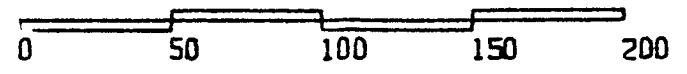
COMMONWEALTH MINERALS LIMITED
DECK CLAIMS
VECTOR PULSE ELECTROMAGNETOMETER
VERTICAL COMPONENT
LINE 800E A
GLEN E. WHITE
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DATE 7 AUGUST 1978
FIG. NO: 20

1150 N 1125 N 1100 N 1075 N 1050 N 1025 N 1000 975N 950N 925N 900N 875N 850N 825N 800N 775N 750N 725N 700N

LOOP B



+ OR -
P.P.K.
SCALE



METRES

NUMBER IN THE LINE = CHANNEL NUMBER

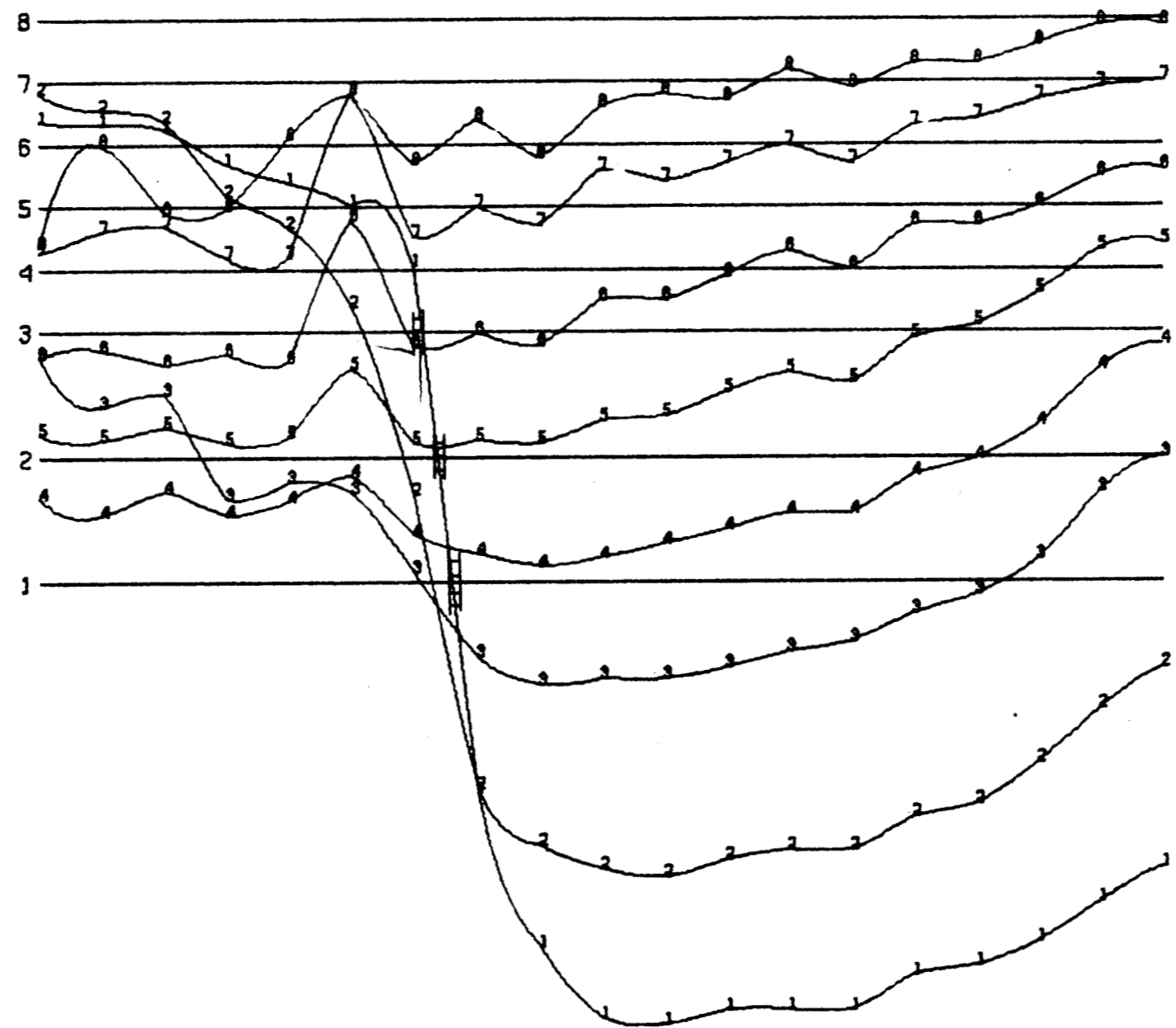
INSTRUMENT: CRONE P.E.M.

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
7498
NO.

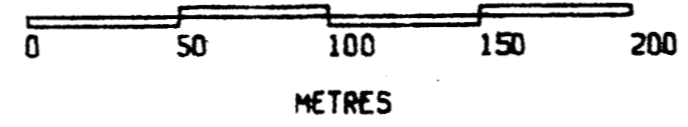
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VECTOR PULSE ELECTROMAGNETOMETER
HORIZONTAL COMPONENT
LINE 800E B
GLEN E. WHITE
GEOPHYSICAL CONSULTING
& SERVICES LTD.
N.T.S. 93-K/5 W
DATE 7 AUGUST 1979
FIG.NO: 21

1150 N 1125 N 1100 N 1075 N 1050 N 1025 N 1000 975N 950N 925N 900N 875N 850N 825N 800N 775N 750N 725N 700N

LOOP B



+ OR -
P.P.K.
SCALE

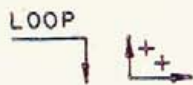
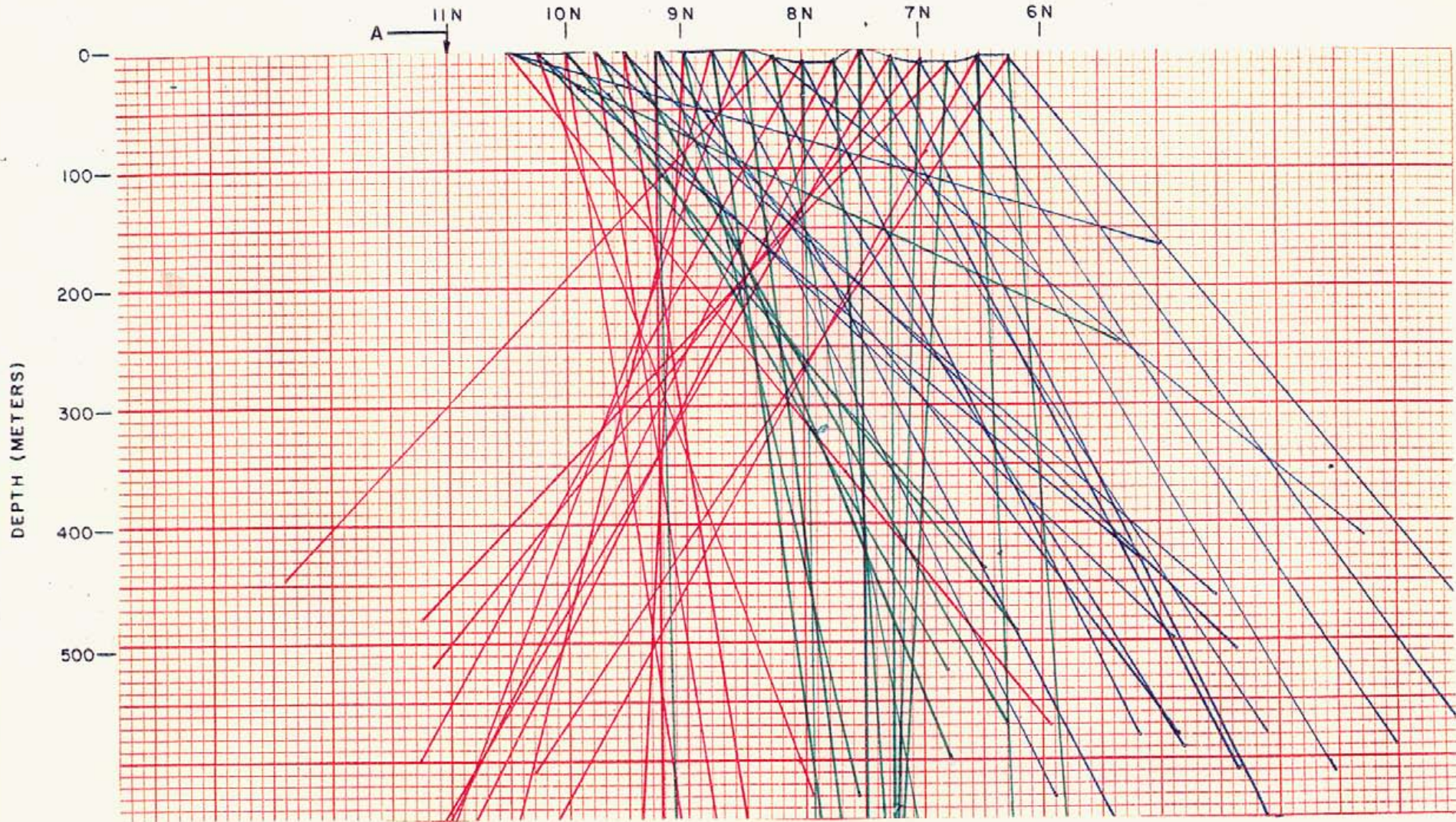


NUMBER IN THE LINE = CHANNEL NUMBER

INSTRUMENT: CRONE P.E.M.

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
7498
NO.

COMMONWEALTH MINERALS LIMITED
DECK CLAIMS
VECTOR PULSE ELECTROMAGNETOMETER
VERTICAL COMPONENT
LINE 800E B
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& SERVICES LTD.
N.T.S. 93-K/5 W
DATE 7 AUGUST 1978
FIG. NO: 22



- CHANNEL 1 —
- CHANNEL 2 —
- CHANNEL 3 —
- CHANNEL 4 —

COMMONWEALTH MINERALS
 LIMITED
 — DECK CLAIMS —
 PULSE ELECTROMAGNETOMETER
 — VECTOR SECTION —
 LINE 4+00E — LOOP 'A'

7498

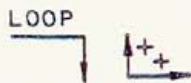
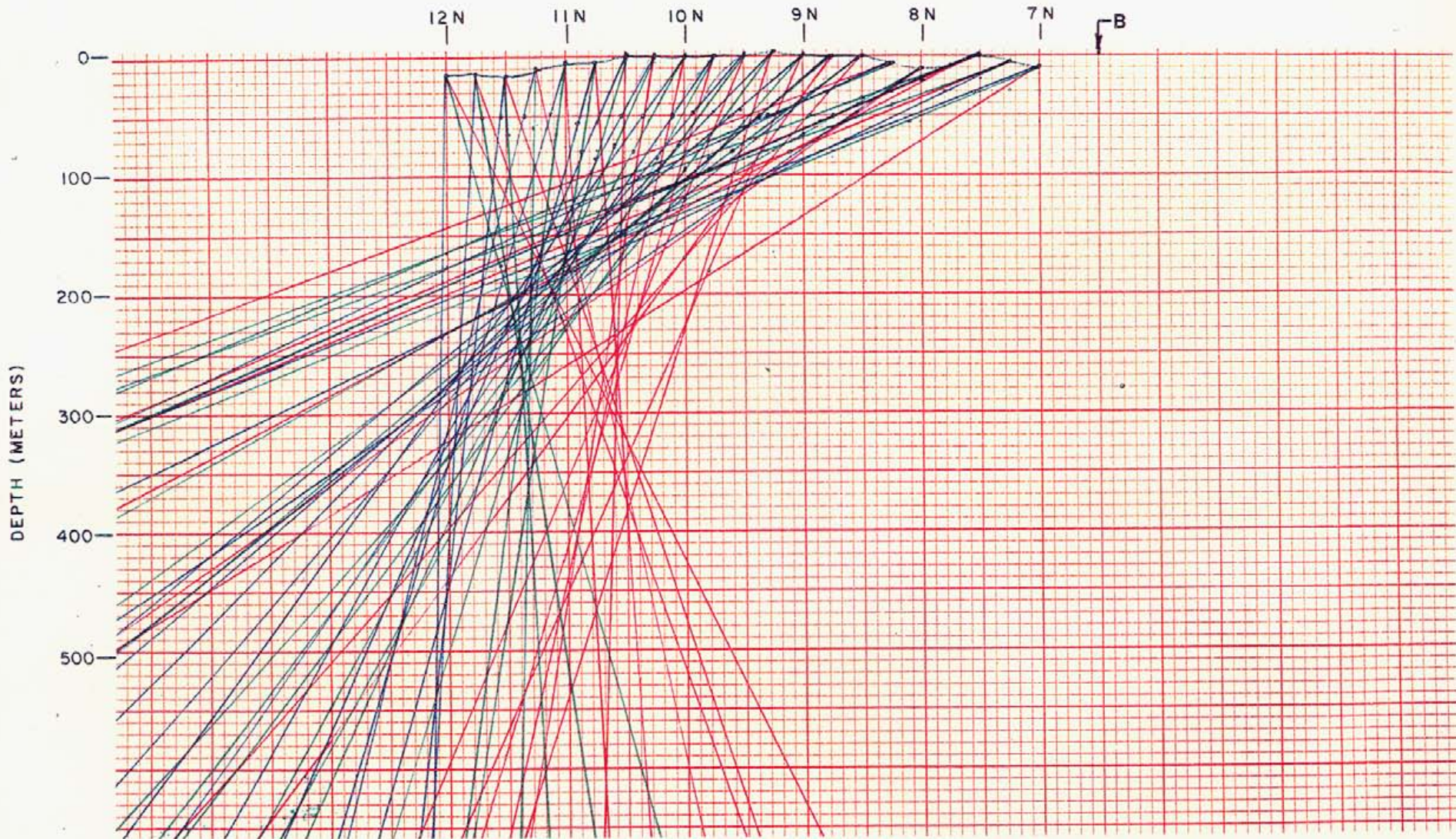
N.T.S. 93 K/5W

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 services Ltd.

1 cm = 50 Meters

— INSTRUMENT : CRONE P.E.M. —

AUG. 1979
 FIG. 23



CHANNEL 1 ——— COMMONWEALTH MINERALS
 CHANNEL 2 ——— LIMITED
 CHANNEL 3 ———
 CHANNEL 4 ———
 — DECK CLAIMS —
 PULSE ELECTROMAGNETOMETER
 — VECTOR SECTION —
 LINE 4+00E — LOOP 'B'

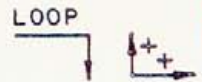
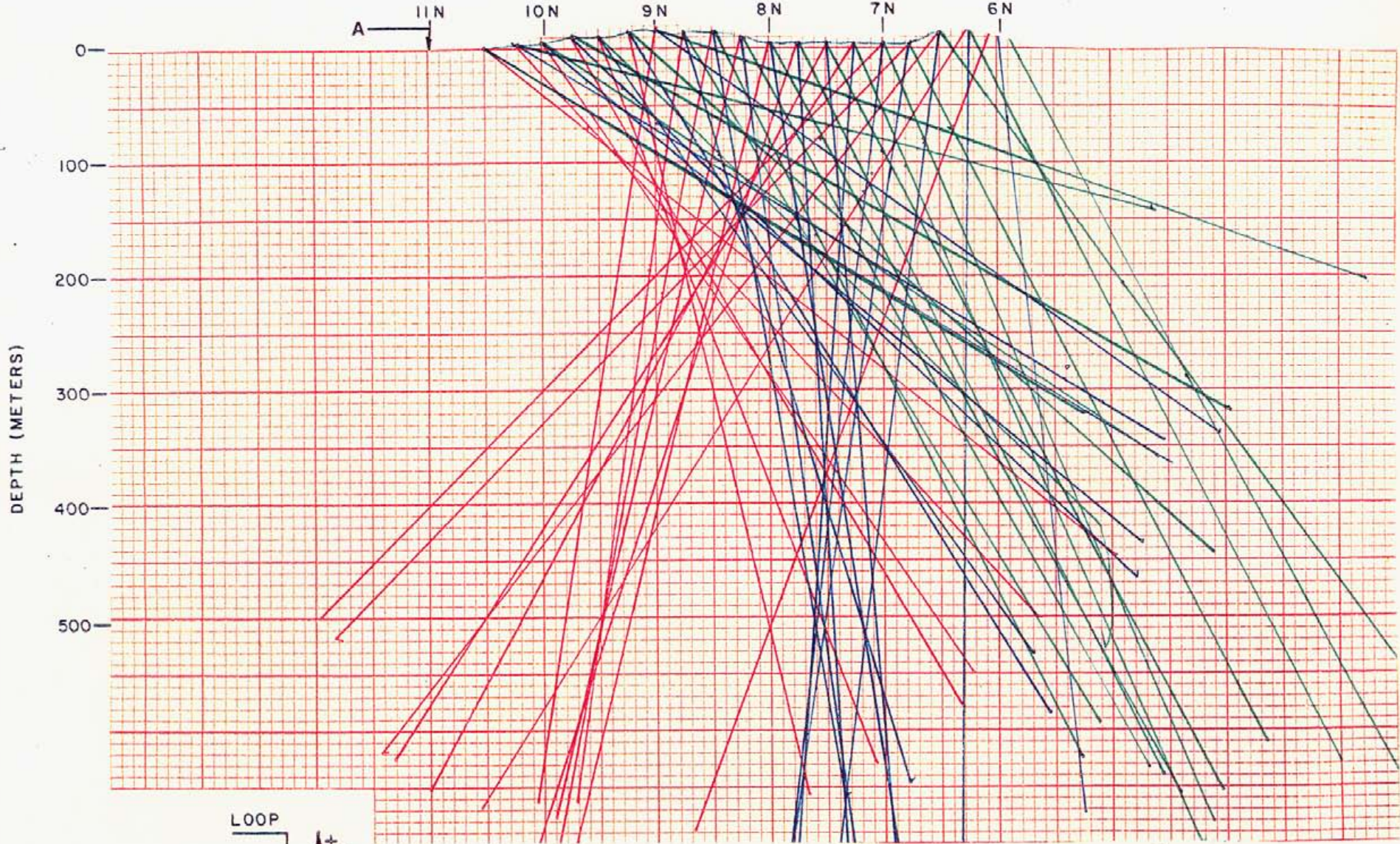
7498

N.T.S. 93 K/5W

Geo. E. White
 geophysical consulting
 3
 services ltd.

1 cm = 50 Metres

— INSTRUMENT : CRONE P.E.M. —
 AUG. 1979
 FIG. 24



- CHANNEL 1 —
- CHANNEL 2 —
- CHANNEL 3 —
- CHANNEL 4 —

**COMMONWEALTH MINERALS
 LIMITED**
 — DECK CLAIMS —
 PULSE ELECTROMAGNETOMETER
 — VECTOR SECTION —
 LINE 5+00E — LOOP 'A'

7498

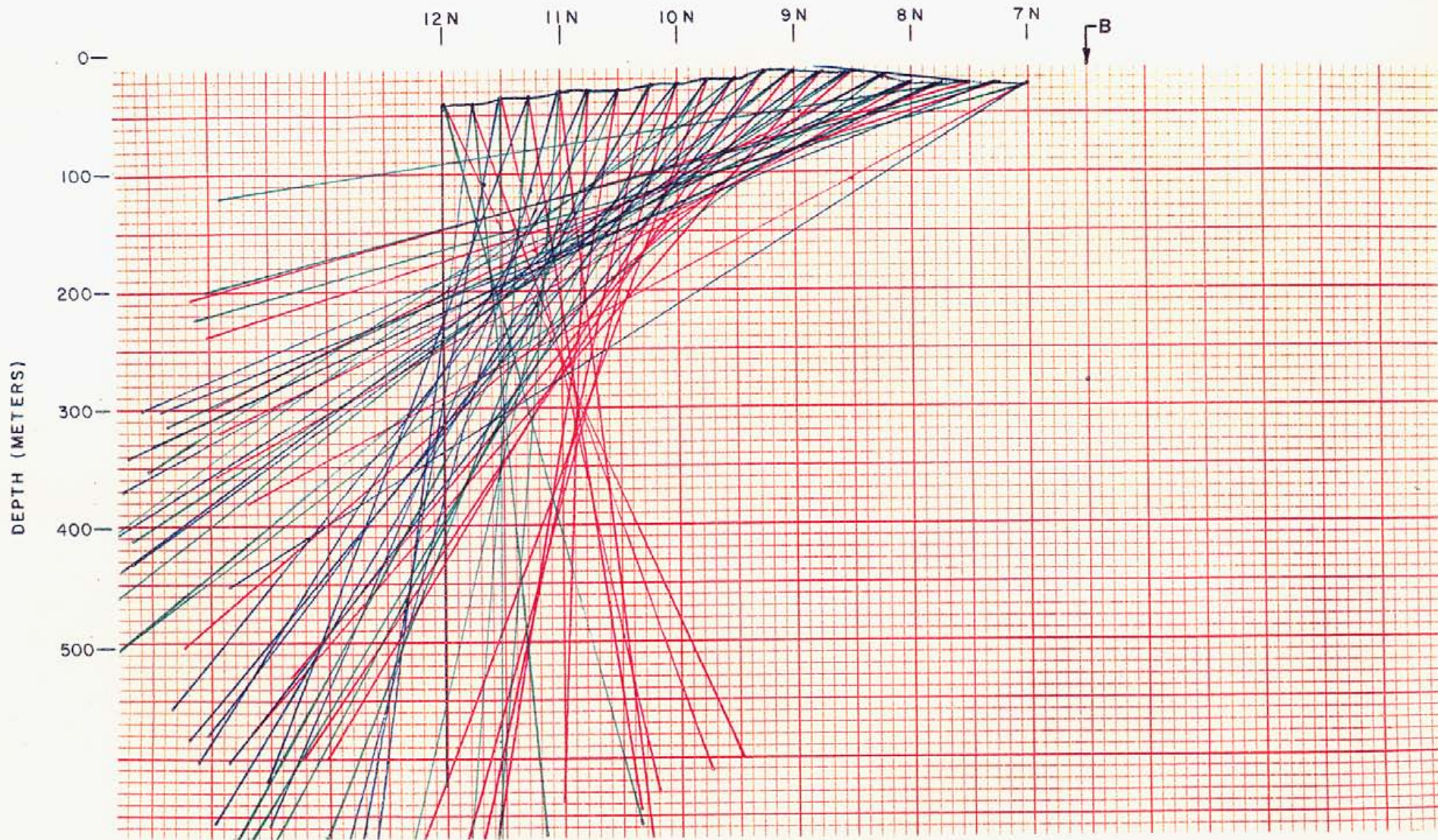
N.T.S. 93 K/5W

Glen E. White
 geophysical consulting
 services Ltd.

1 cm = 50 Meters

— INSTRUMENT : CRONE P.E.M. —

AUG. 1979
 FIG. 25



LOOP

CHANNEL 1
 CHANNEL 2
 CHANNEL 3
 CHANNEL 4

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 LIMITED
 - DECK CLAIMS -
 PULSE ELECTROMAGNETOMETER
 - VECTOR SECTION -
 LINE 5+00E - LOOP 'B'

7498

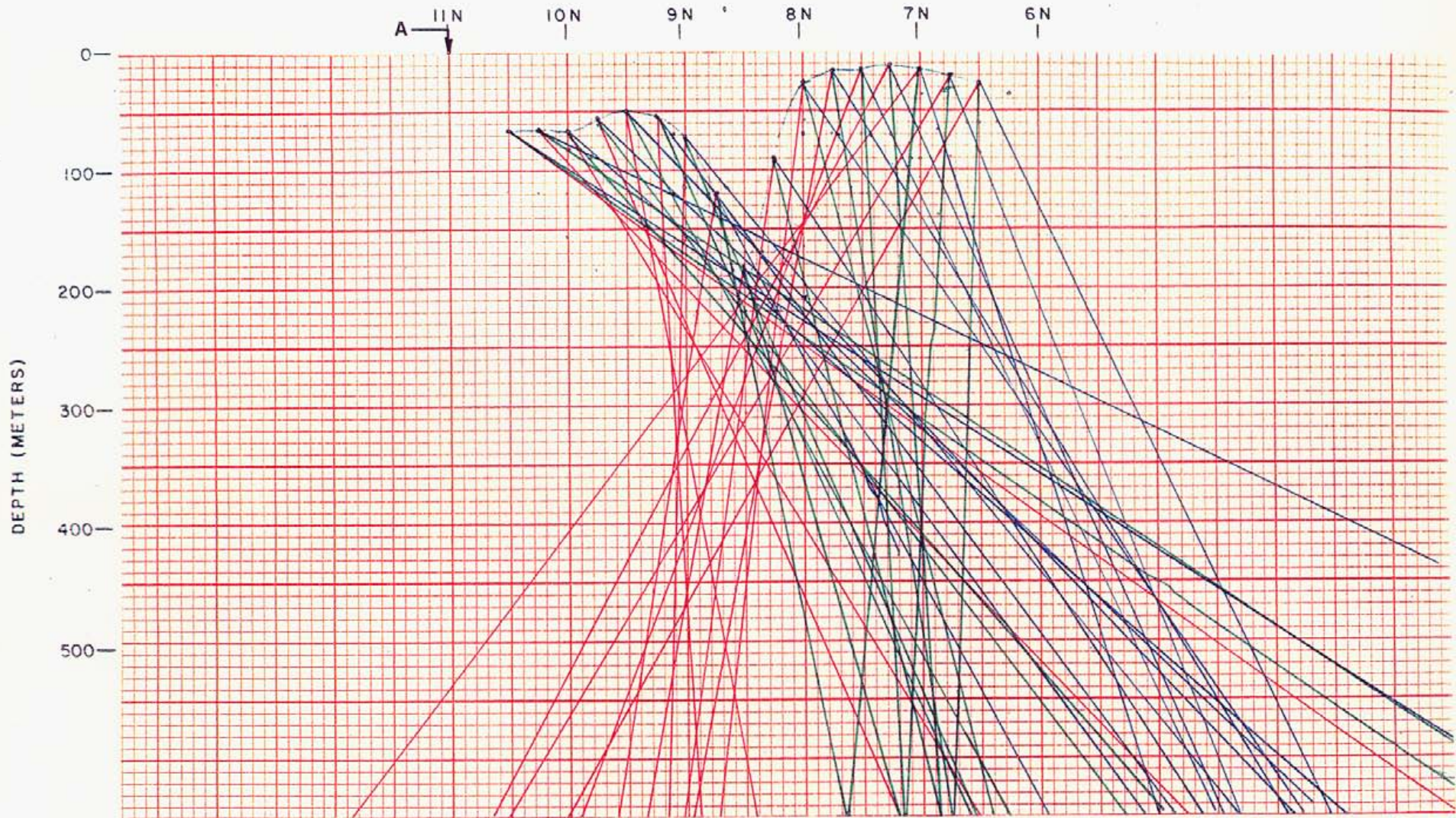
N.T.S. 93 K/5W

Glen E. White
 geophysical consulting
 3
 services ltd.

1 cm = 50 Meters

- INSTRUMENT : CRONE P.E.M. -

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 FIG. 26



- CHANNEL 1 —
- CHANNEL 2 —
- CHANNEL 3 —
- CHANNEL 4 —

COMMONWEALTH MINERALS
 LIMITED
 — DECK CLAIMS —
 PULSE ELECTROMAGNETOMETER
 — VECTOR SECTION —
 LINE 6+00E — LOOP 'A'

7498

N.T.S. 93 K/5W

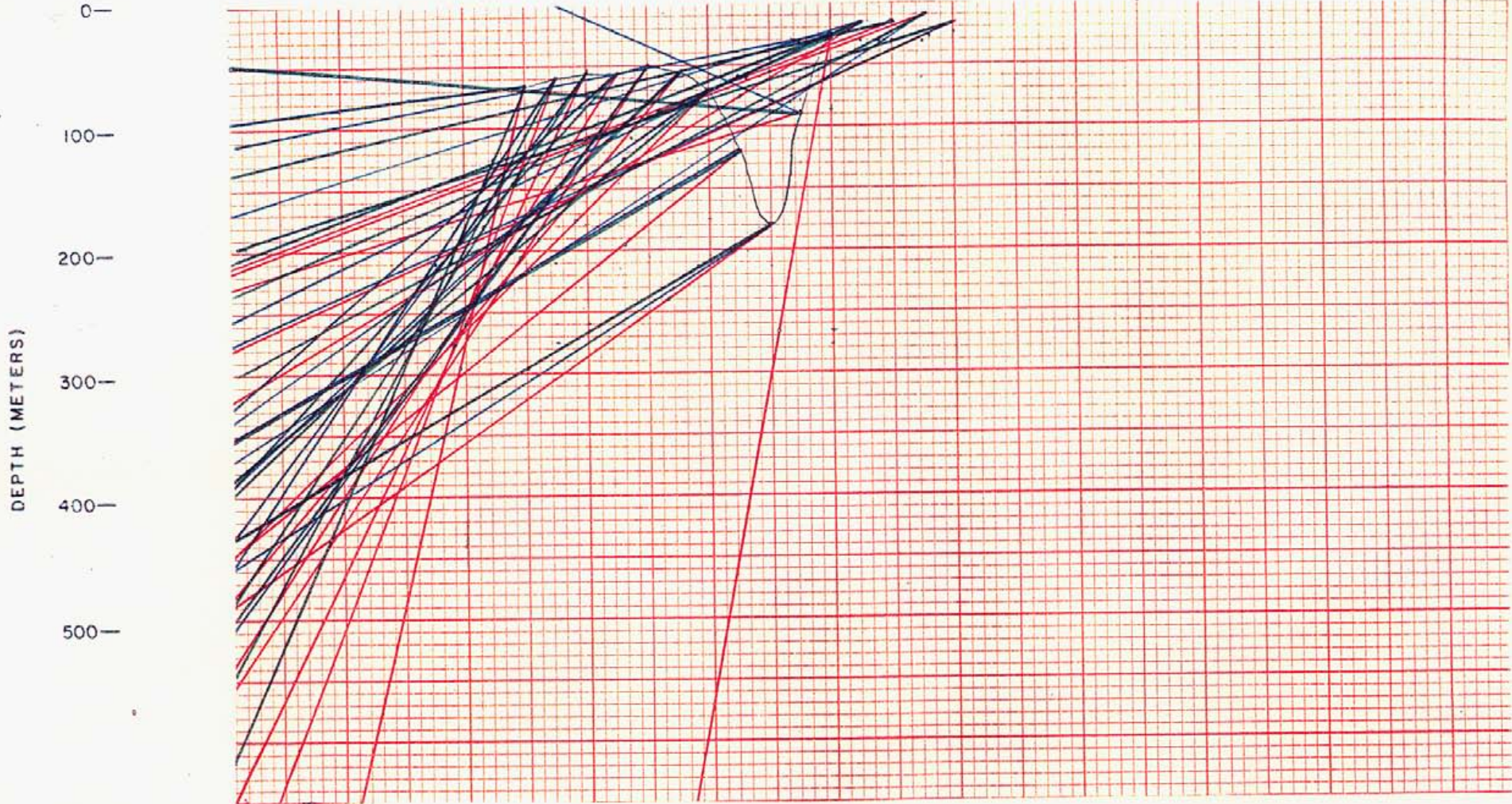
Glen E. White
 geophysical consulting
 services Ltd.

1 cm = 50 Meters

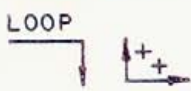
— INSTRUMENT : CRONE P.E.M. —

AUG. 1979
 FIG. 27

11N 10N 9N 8N 7N 6N B



DEPTH (METERS)



- CHANNEL 1 —
- CHANNEL 2 —
- CHANNEL 3 —
- CHANNEL 4 —

COMMONWEALTH MINERALS
 LIMITED
 — DECK CLAIMS —
 PULSE ELECTROMAGNETOMETER
 — VECTOR SECTION —
 LINE 6+00E — LOOP 'B'

7498

N.T.S. 93 K/5W

Glen E. White
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 services Ltd.

1cm = 50 Meters

— INSTRUMENT : CRONE P.E.M. —

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 FIG. 28

DEPTH (METERS)

0-
100-
200-
300-
400-
500-

A
11N

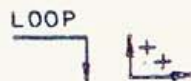
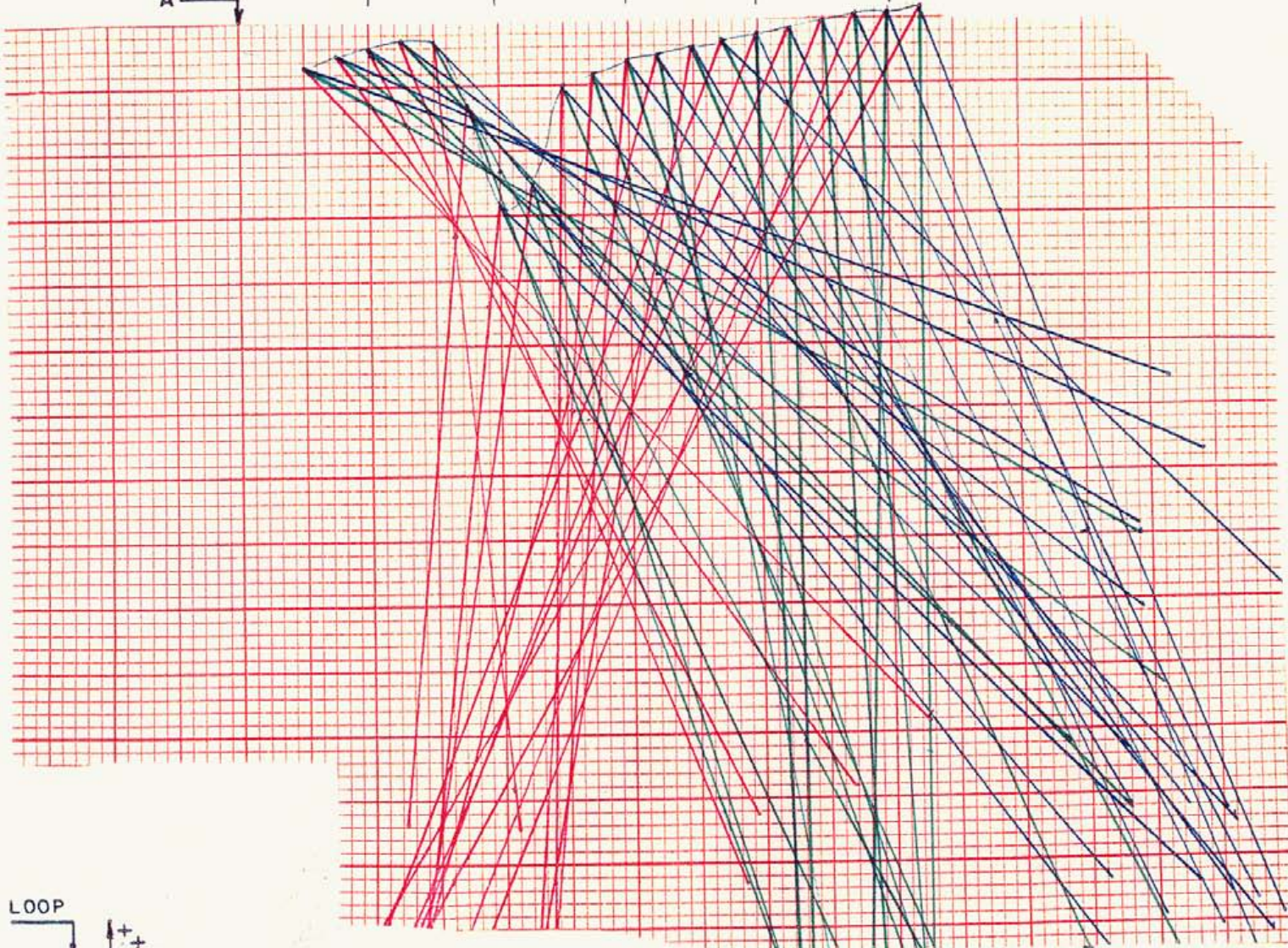
10N

9N

8N

7N

6N



- CHANNEL 1 —
- CHANNEL 2 —
- CHANNEL 3 —
- CHANNEL 4 —

COMMONWEALTH MINERALS
 LIMITED
 — DECK CLAIMS —
 PULSE ELECTROMAGNETOMETER
 — VECTOR SECTION —
 LINE 7+00E — LOOP 'A'

7498

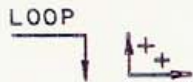
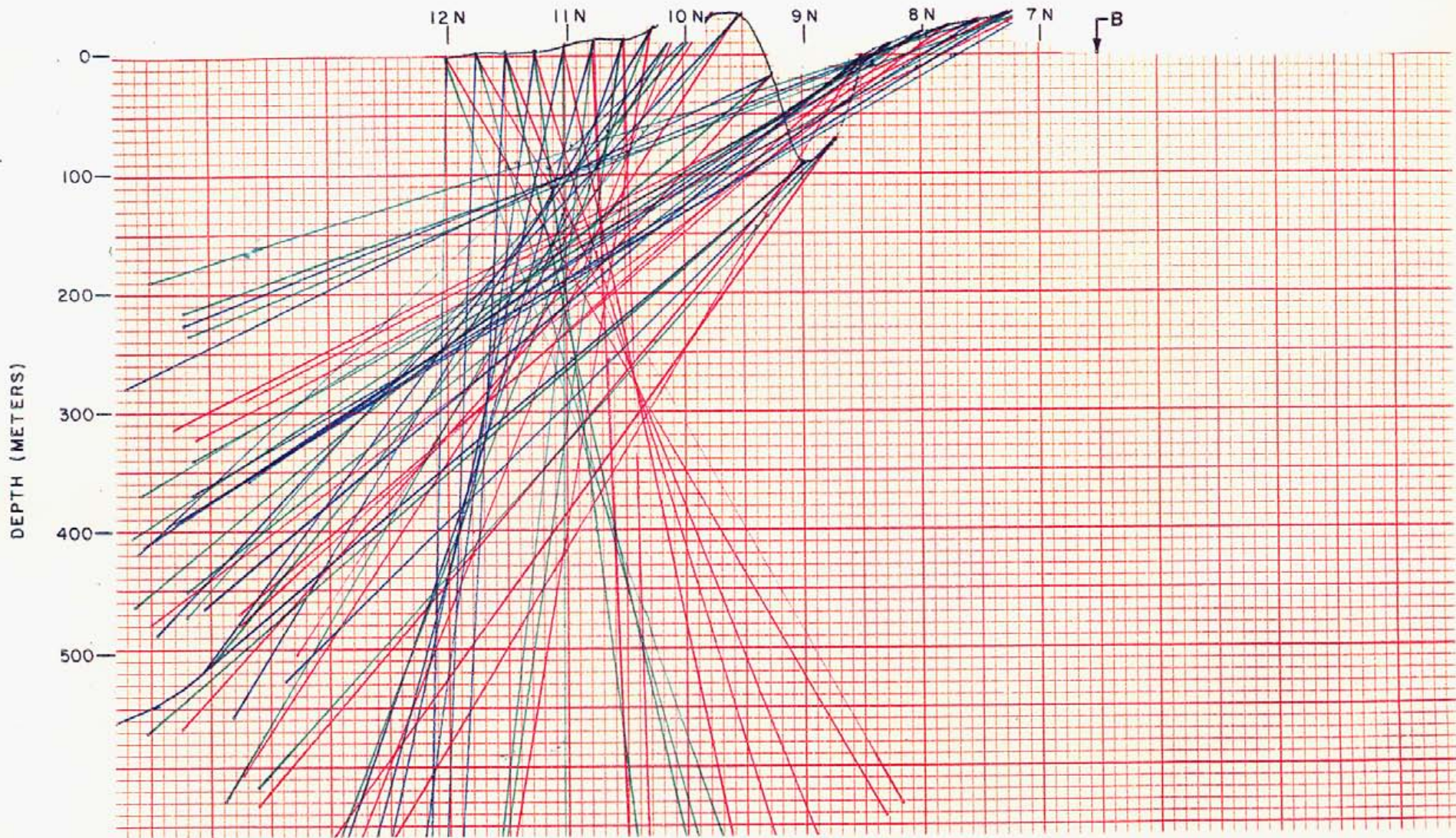
N.T.S. 93 K/5W

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 3
 2000008 11d

1 cm = 50 Meters

— INSTRUMENT : CRONE P.E.M. —

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 FIG. 29



- CHANNEL 1 —
- CHANNEL 2 —
- CHANNEL 3 —
- CHANNEL 4 —

COMMONWEALTH MINERALS
 LIMITED
 — DECK CLAIMS —
 PULSE ELECTROMAGNETOMETER
 — VECTOR SECTION —
 LINE 7+00E — LOOP 'B'

7498

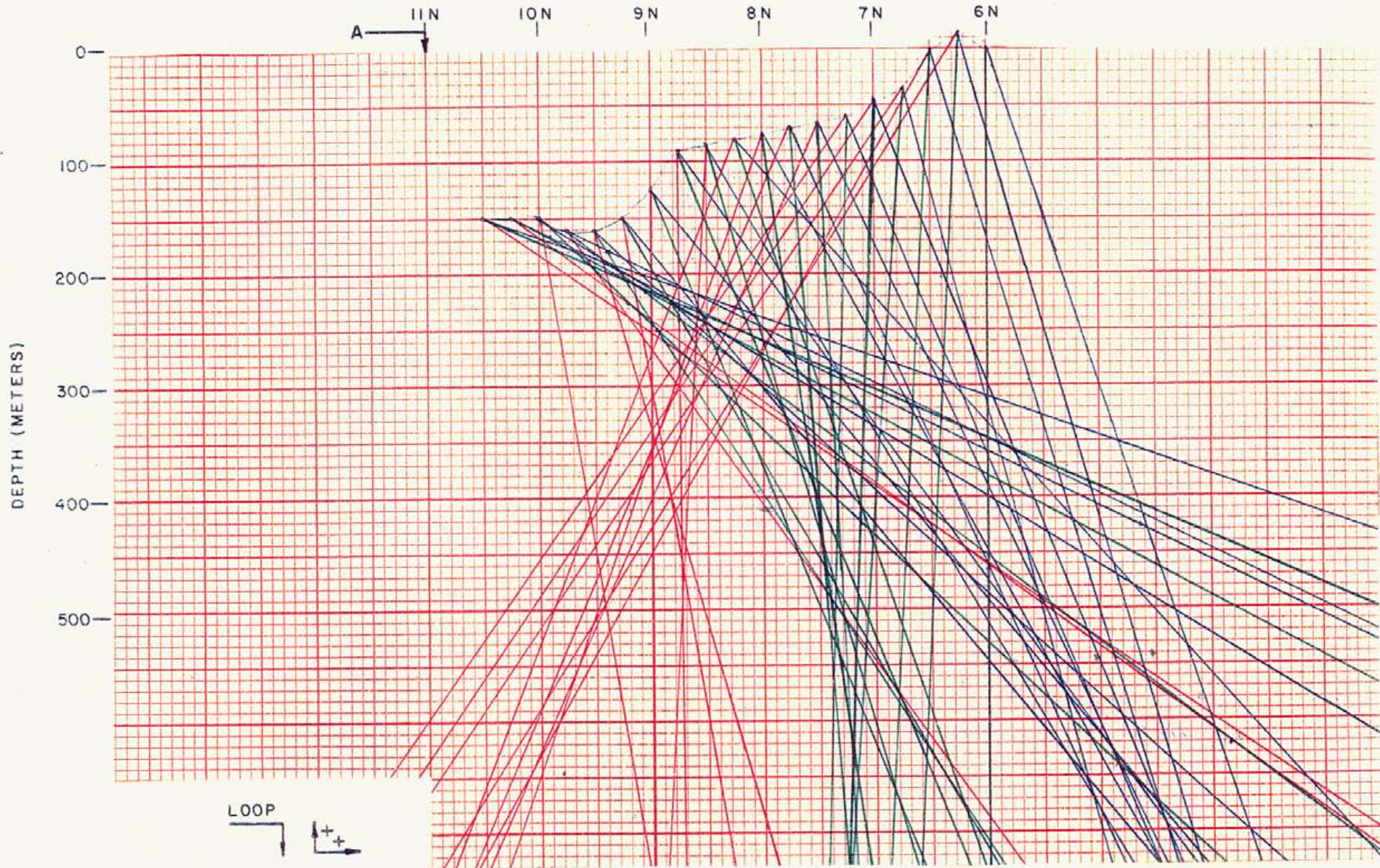
N.T.S. 93 K/5W

Geo. & White
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1 cm = 50 Meters





— INSTRUMENT : CRONE P.E.M. —

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 FIG. 30



N.T.S. 93 K/5W

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CHANNEL 1 
CHANNEL 2 
CHANNEL 3 
CHANNEL 4 

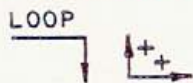
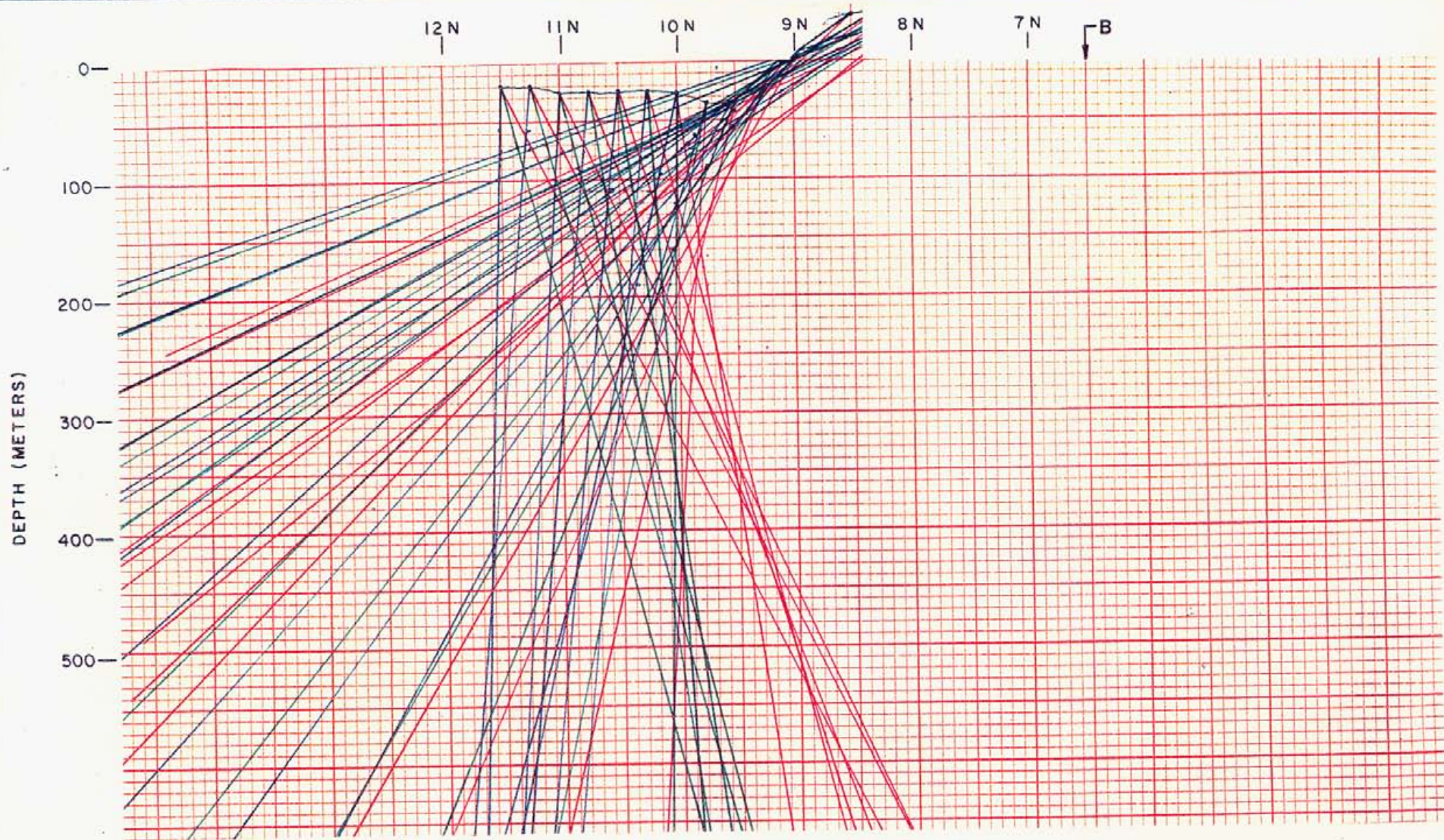
1cm = 50 Meters

COMMONWEALTH MINERALS
LIMITED
- DECK CLAIMS -
PULSE ELECTROMAGNETOMETER
- VECTOR SECTION -
LINE 8+00E - LOOP 'A'

7498

- INSTRUMENT : CRONE P.E.M. -

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FIG. 31



- CHANNEL 1 —
- CHANNEL 2 —
- CHANNEL 3 —
- CHANNEL 4 —

COMMONWEALTH MINERALS
 LIMITED
 — DECK CLAIMS —
 PULSE ELECTROMAGNETOMETER
 — VECTOR SECTION —
 LINE 8+00E — LOOP 'B'

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N.T.S. 93 K/5W

Glen E. White
 geophysical consulting
 services Ltd.

1 cm = 50 Meters

— INSTRUMENT : CRONE P.E.M. —

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 FIG. 32