093L/01
Benamy

822235

CORPORATION FALCONBRIDGE COPPER

MEMORANDUM

DATE: February 22, 1985
À TO: A. J. Davidson

file

COPIES À COPIES TO:

DE FROM: D.V. Lefebure

SUJET SUBJECT: Summary of Field Work, 1985 DEEPEM Survey, Benamy Property 93 L/1

Work Completed

A total of 9 loops (Figure 1) were laid and 39.1 line-kilometres of DEEPEM surveying were completed on the Benamy Property between February 4 and February 18, 1985. The survey was supervised by S. Coulson of Crone Geophysics Ltd. Three temporary employees were hired to assist in the survey. Including my field time, a total of 52.5 man-days were required for the survey, mobilization and demobilization. Average production was 3 km of surveyed line per working day.

Preliminary Results

High readings, particularly on the earlier channels, were recorded throughout the grid. On the vertical component, the profiles peak near the loop. With increasing time the peaks migrate away from the loop, a "smoke ring" or "ring current" pattern usually associated with flat-lying highly conductive overburden. The spacing of the peaks over more than 300m (<800m?) suggests the conductive horizon is shallow. The ring current effect is strongest at the northern end of the

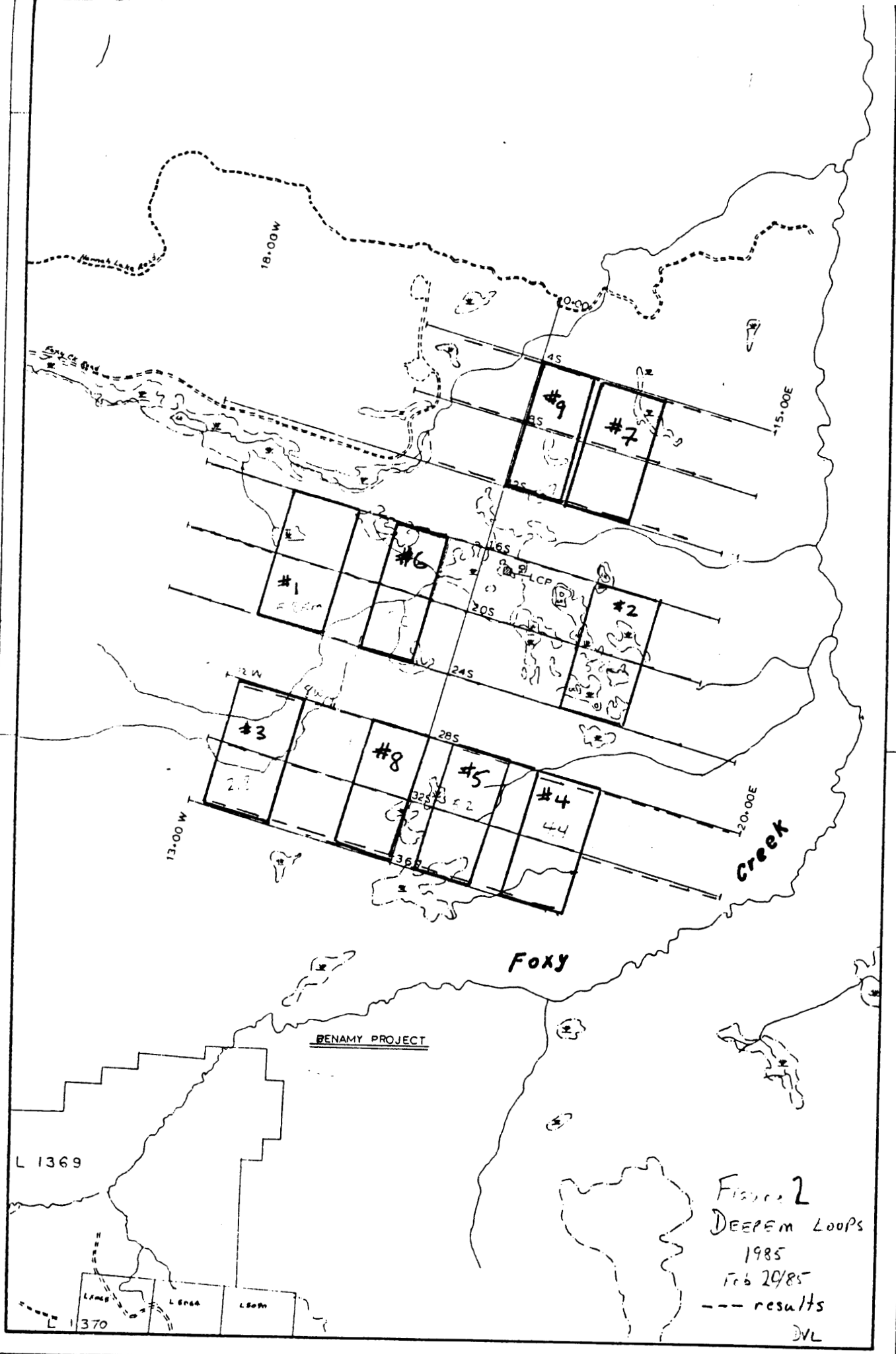


FIGURE 2
DEEPEM LOOPS
1985
Feb 20/85
--- results
DVL

grid and weakest to the south.

Similar results are common in areas with highly developed soil profiles such as Spain or thick sequences of sediments with clays such as in the Artic and southern Ontario. On the Benamy claims only the top of the overburden is exposed which consists of brownish glacial till with rounded boulders. As this till is not particularly conductive, there must be a more clay-rich layer towards the base of the overburden. Previous VLF-FM and Vector Pulse surveys in the general area identified highly conductive overburden (Cannon, 1981; Pezzot and White, 1979).

An alternate exploration of the ring current effect could be a clay-rich regolith at the unconformity overlying the Goosly Sequence (Hazelton Group) and beneath the Tip Top Hill and Tertiary volcanic rocks. Although little is known about this unconformity, there are brown oxidized sandstones, siltstones and conglomerates, provisionally assigned to the Sustut Group, overlying the Hazelton near Maxan Lake to the northeast and to the west near Nadina Mtn. In one locality, near Parrott Lake, N. Church reports a reddish soil overlying the Hazelton which may be a regolith. The ring current effect could be indicating the unconformity at the top of the Goosly Sequence is shallow on the Benamy claims. For the sake of simplicity, the source of the ring current effect will be referred to below as conductive overburden.

The ring current effect makes data interpretation more difficult because anomalies due to massive sulphides will be smaller on most channels than the overburden response. The vertical component crossovers will also be displaced.

Anomalies

Weak anomalies can be identified on the horizontal component profiles (Figure 2). They are multiple channel anomalies but do not have values much higher than the background values of the conductive overburden. There are no clear

multiple channel crossover on the vertical component profiles. Fraser filtering of channel 3 vertical component results serves to pinpoint the inflections in slope of the profiles which occur associated with anomalies (Figure 3).

The best anomalies are found on the southwest corner of the grid and trend parallel to the Equity Silver Mine trend. Anomaly A shows up on lines 28S, 30S and F2S (Loop 8) at approximately 650W. The Fraser Filter anomaly continues to lines 34S and 36S. Immediately to the east, a weaker anomaly (B) occurs at 250-300W on lines 28S and 32S (Loop 3 and 5). The weak response associated with these anomalies reflects the swamping of the anomaly by conductive overburden and estimated greater than 100m depth to mineralization.

Conclusions

1. Two significant anomalies (A and B) paralleling the trend of the Equity Silver Mine orebodies have been identified on the southwest corner of the Benamy grid.

2. These anomalies should be tested with two 300m drill holes.

David Lefebure

migrating peaks "ring current"

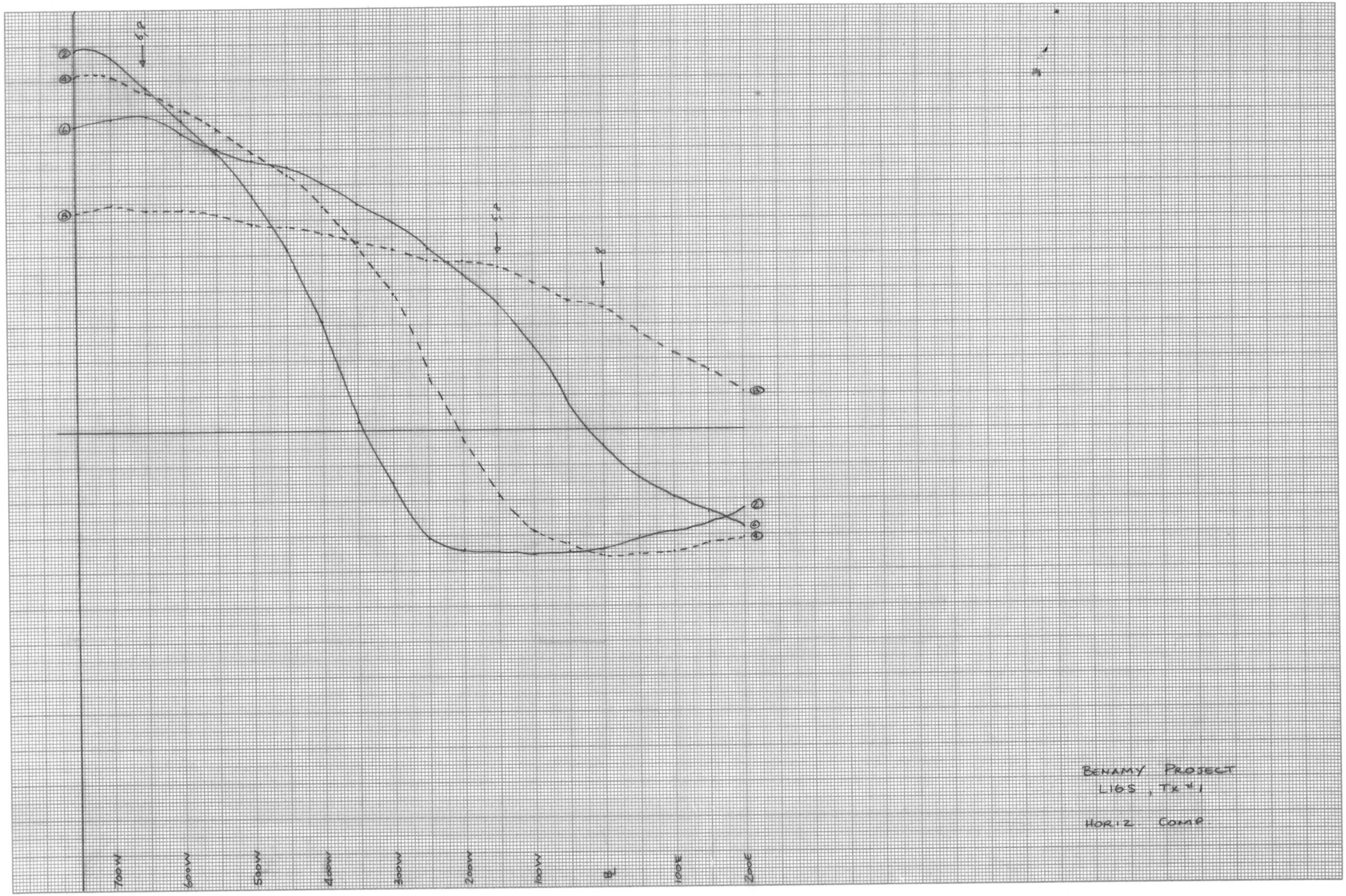
BENAMY PROJECT
LIGS, Tx #1

VERTICAL COMP.

700m 600m 500m 400m 300m 200m 100m 0 100E 200E

K&E KEUFFEL & ESSER CO. MADE IN U.S.A. 10 X 10 TO THE CENTIMETER 55 X 86 CM.

7151 74


BENAMY PROJECT
L165, Tx #1
HORIZ. COMP.
700W
600W
500W
400W
300W
200W
100W
0
100E
200E

X Tx LOOP X

migrating peaks

BENAMY PROJECT
L 205, Tx #1
VERTICAL COMP.

assymmetric

sign reversal indicates shallow

BENAMY PROJECT
LZ05, TK #1
HORIZ. COMP.

Tx #1

4,6

4,6

VERTICAL COMPONENT
L 2400 S

1800 W 1700 W 1600 W 1500 W 1400 W 1300 W 1200 W 1100 W 1000 W 900 W 800 W 700 W 600 W 500 W 400 W 300 W 200 W 100 W 0W 100E 200E

A

L325, Tx #3

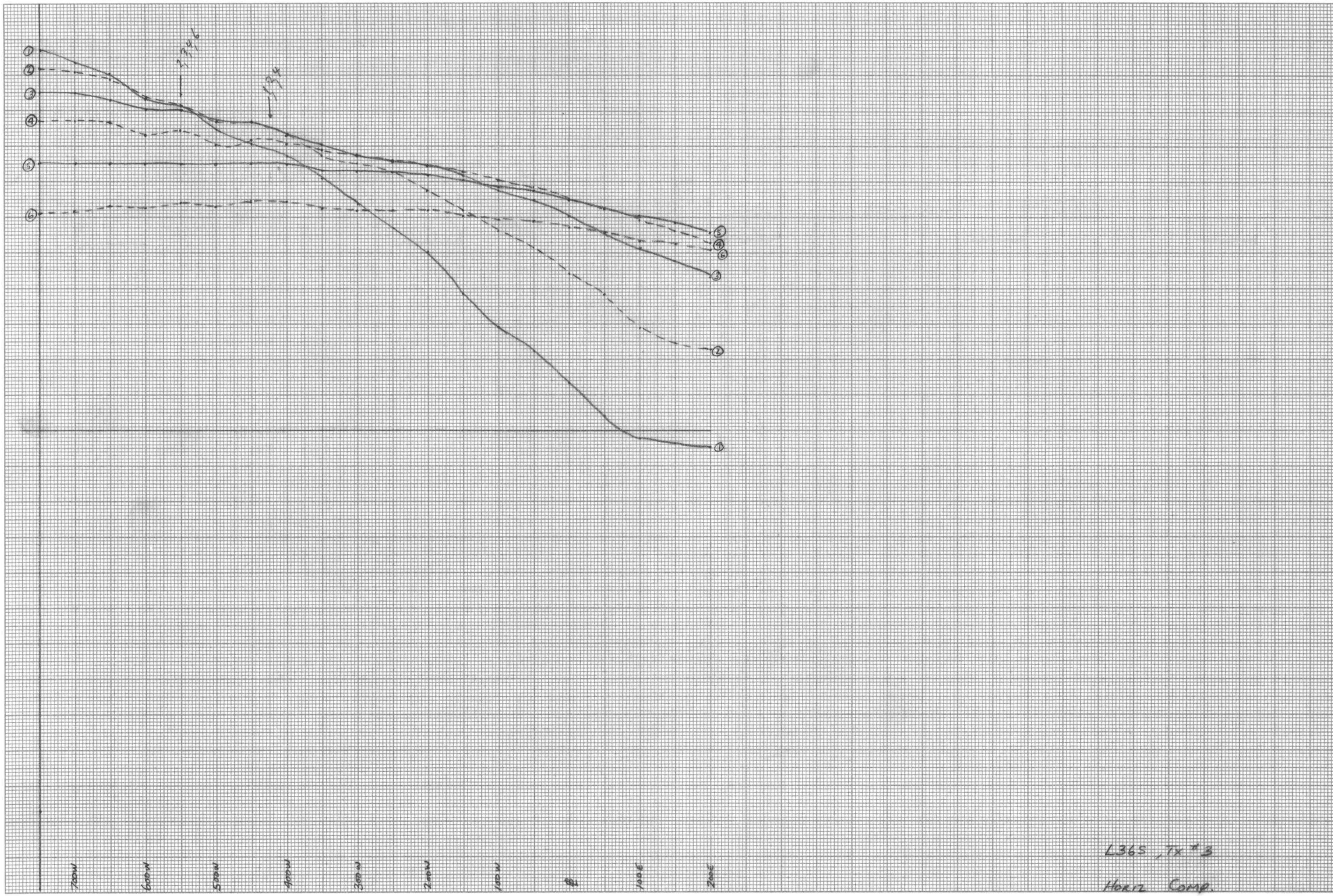
Horiz. Comp.

To Loop

channels crossing over new edge of loop

L32S, Tx #3

VERT. Comp.



1
2
3
4
5
6
7
8

2, 3, 4

BENAMY PROJECT
L325, Tx # 4
VERT COMP

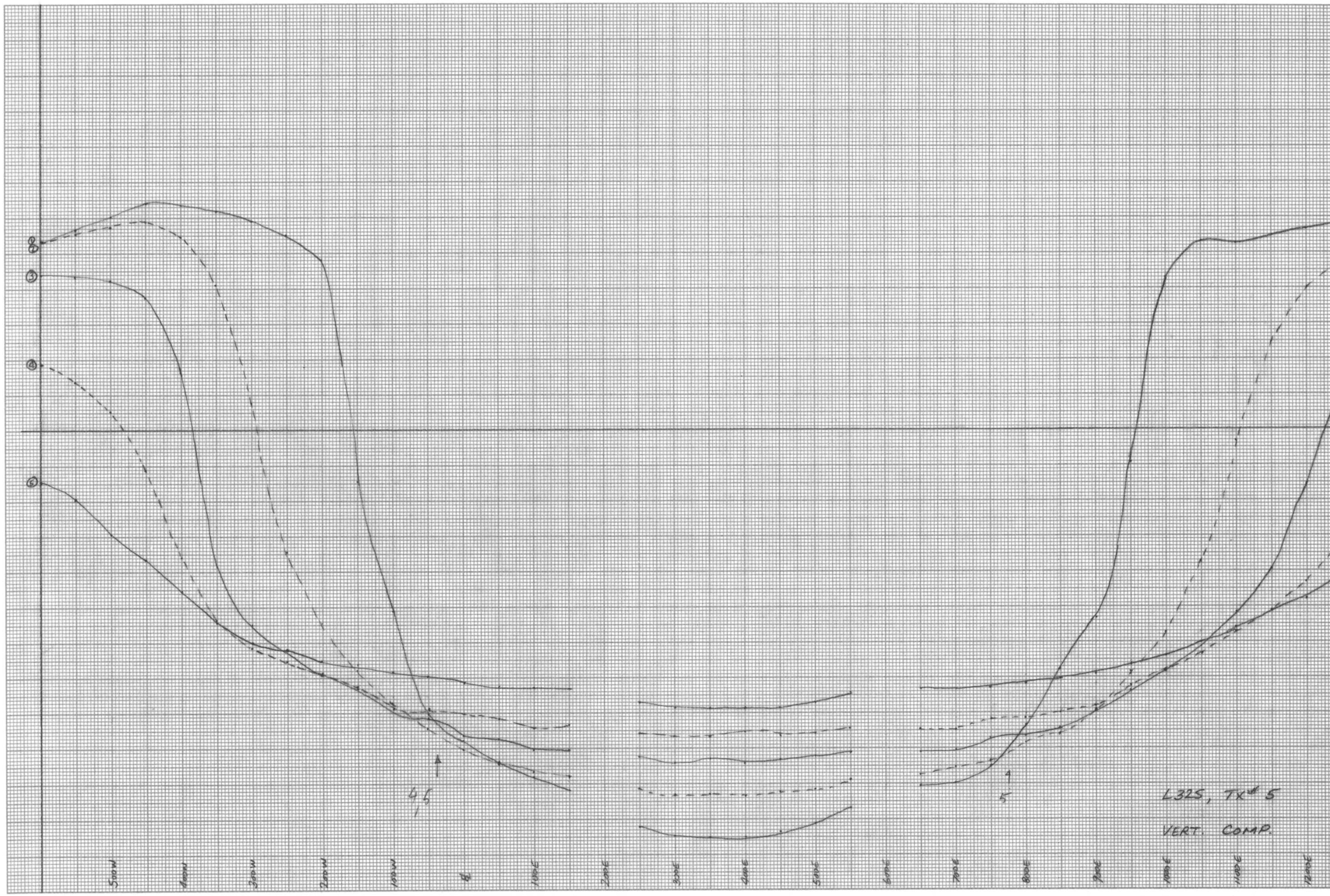
K&E 10 X 10 TO THE CENTIMETER • 25 X 38 CM.
KEUFFEL & ESSER CO. MADE IN U.S.A.

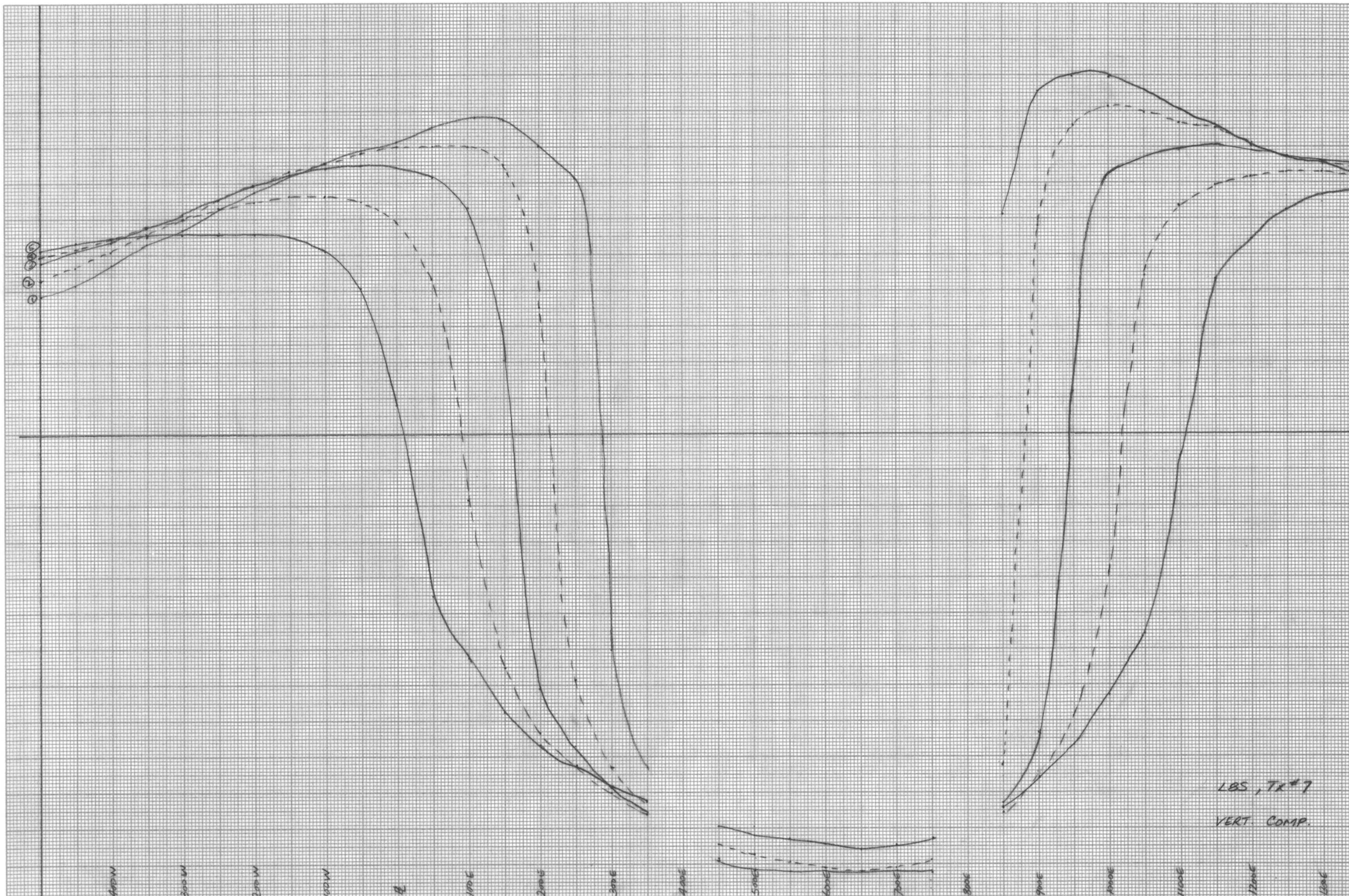
BENAMY PROJECT
L325, TK#4
HORIZ COMP

B

L3S, Tx # 5

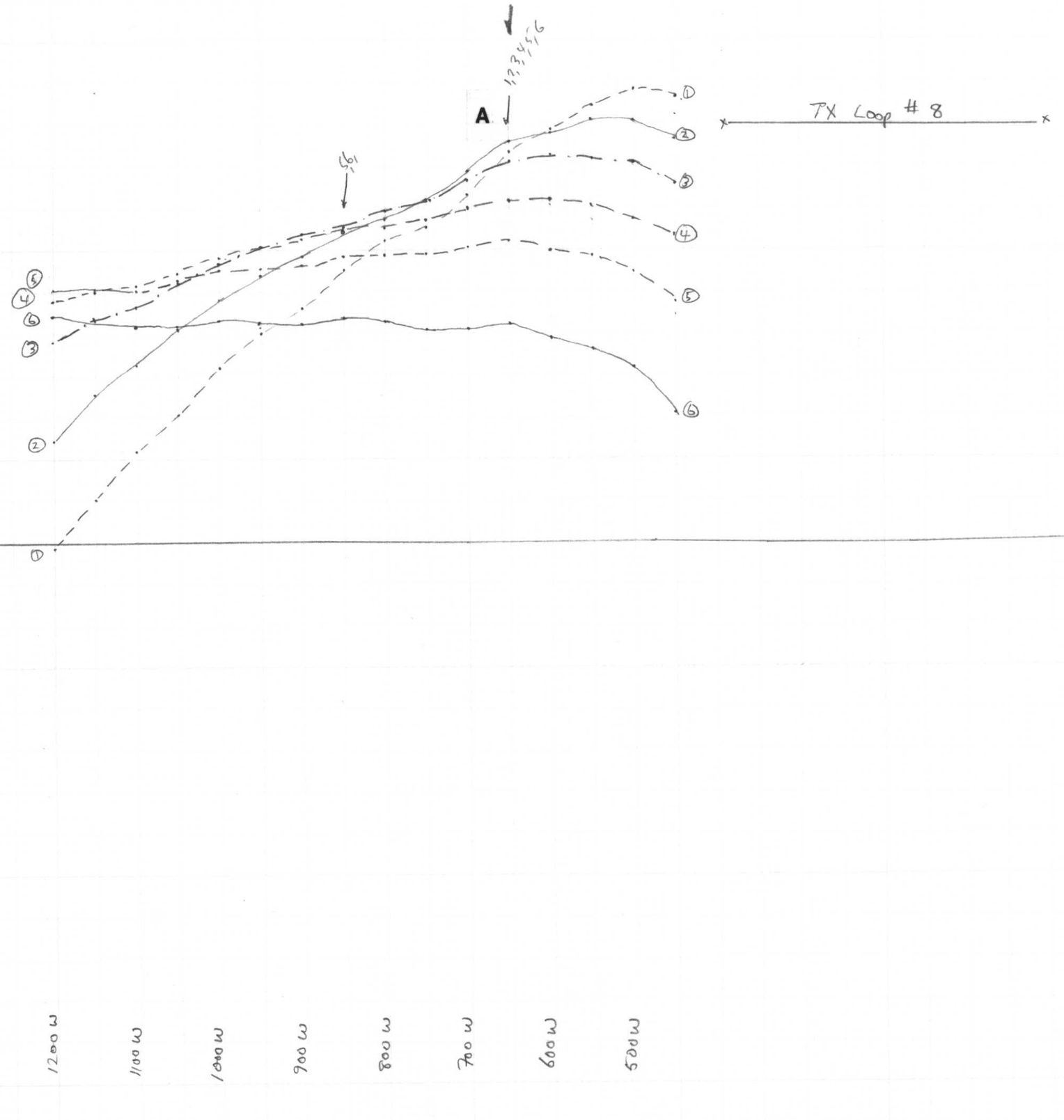
Horiz. Comp.





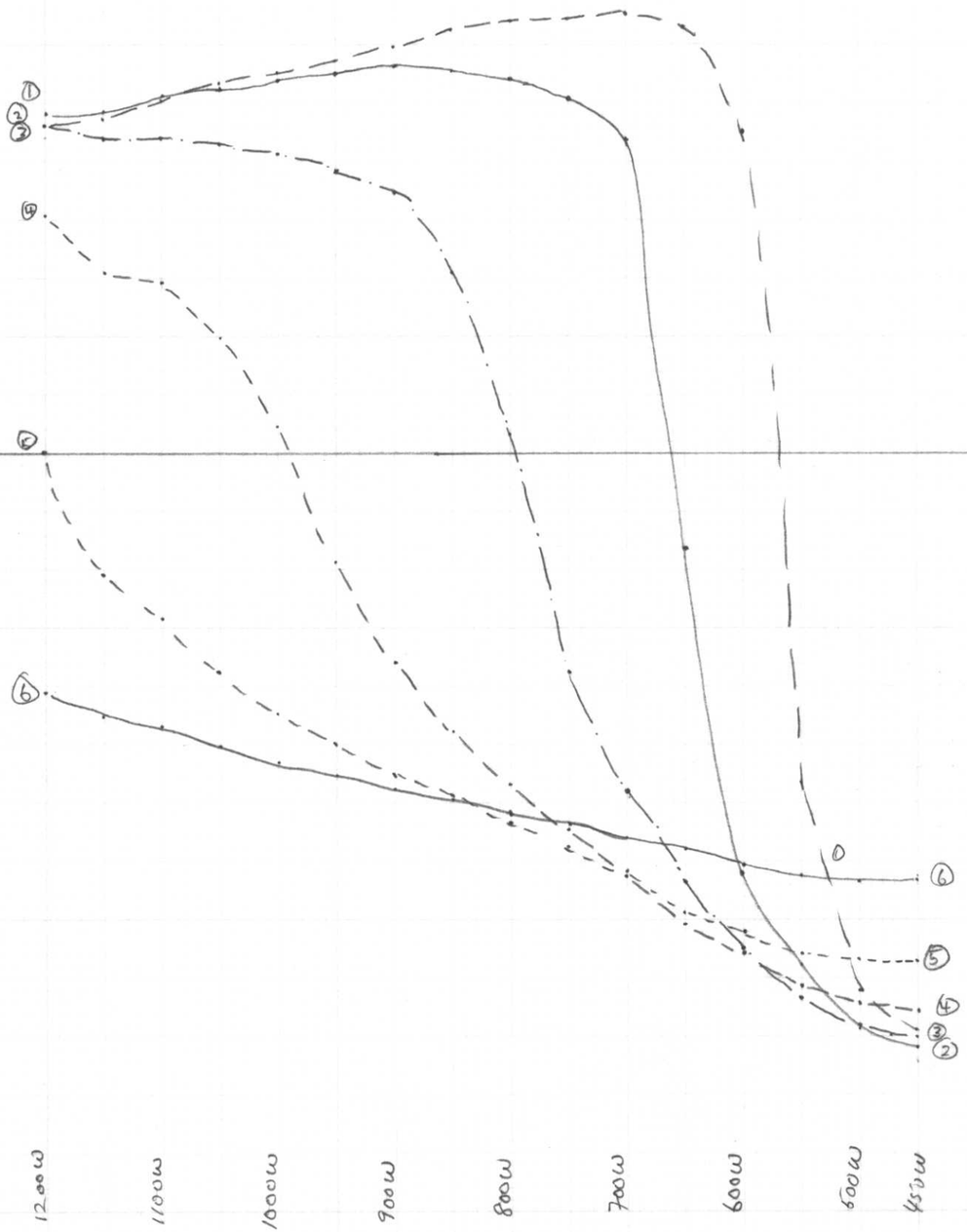
LBS, Tx # 7

HORIZ. COMP.



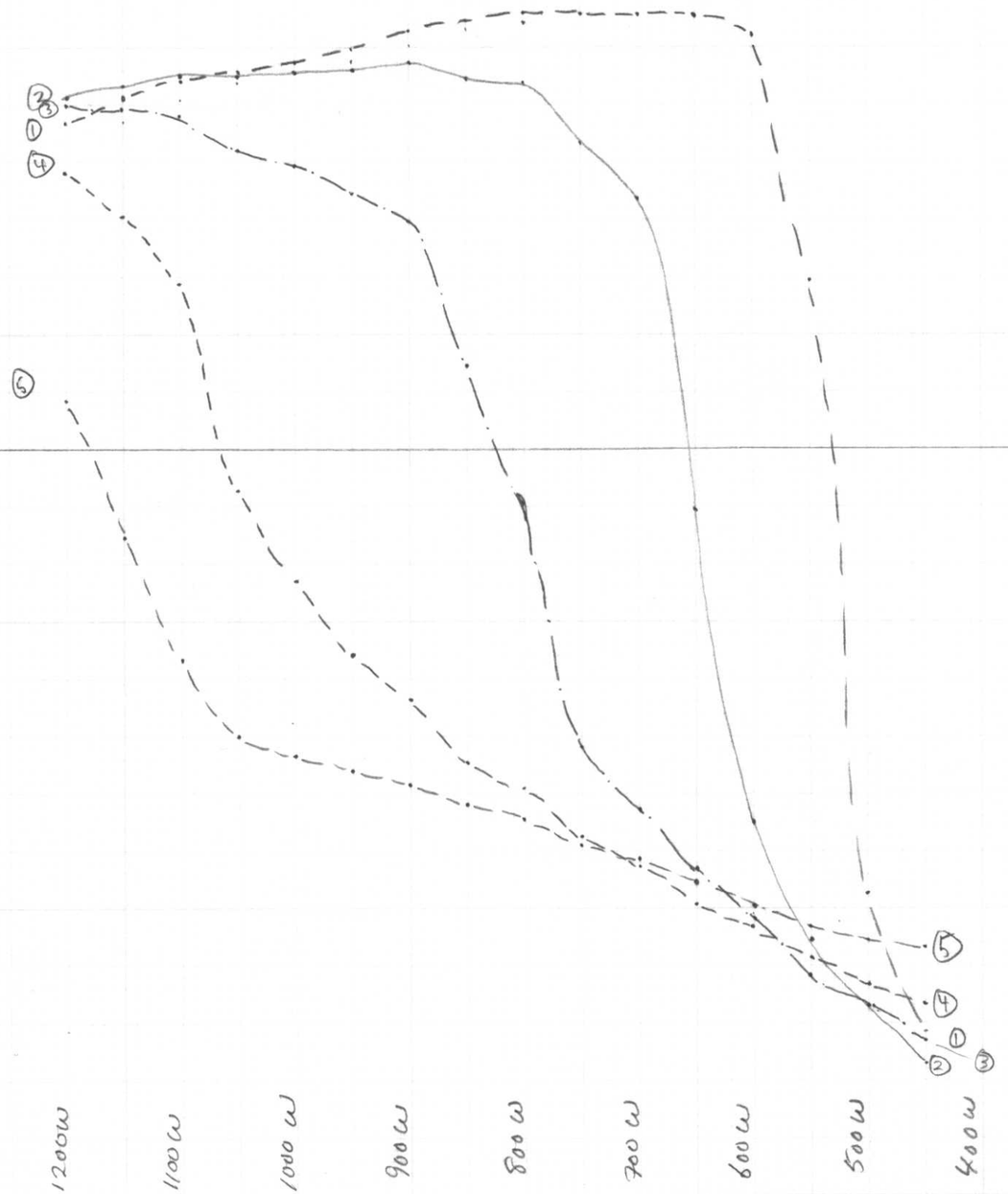
L 2800 S
HORIZONTAL COMPONENT

Tx Loop #8

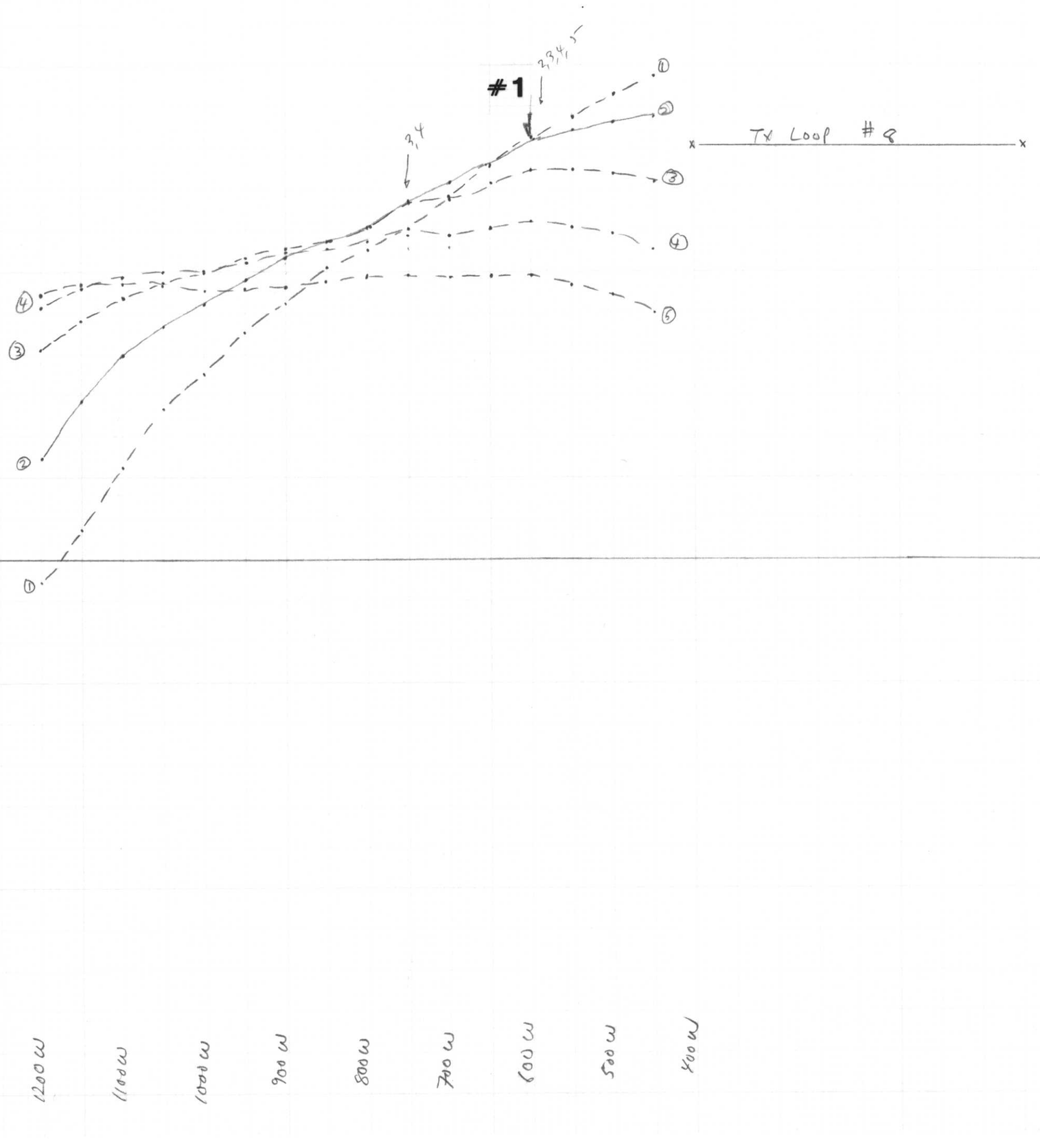


L 2800S
VERTICAL COMPONENT

TX Loop #8



L3000S
VERTICAL COMPONENT

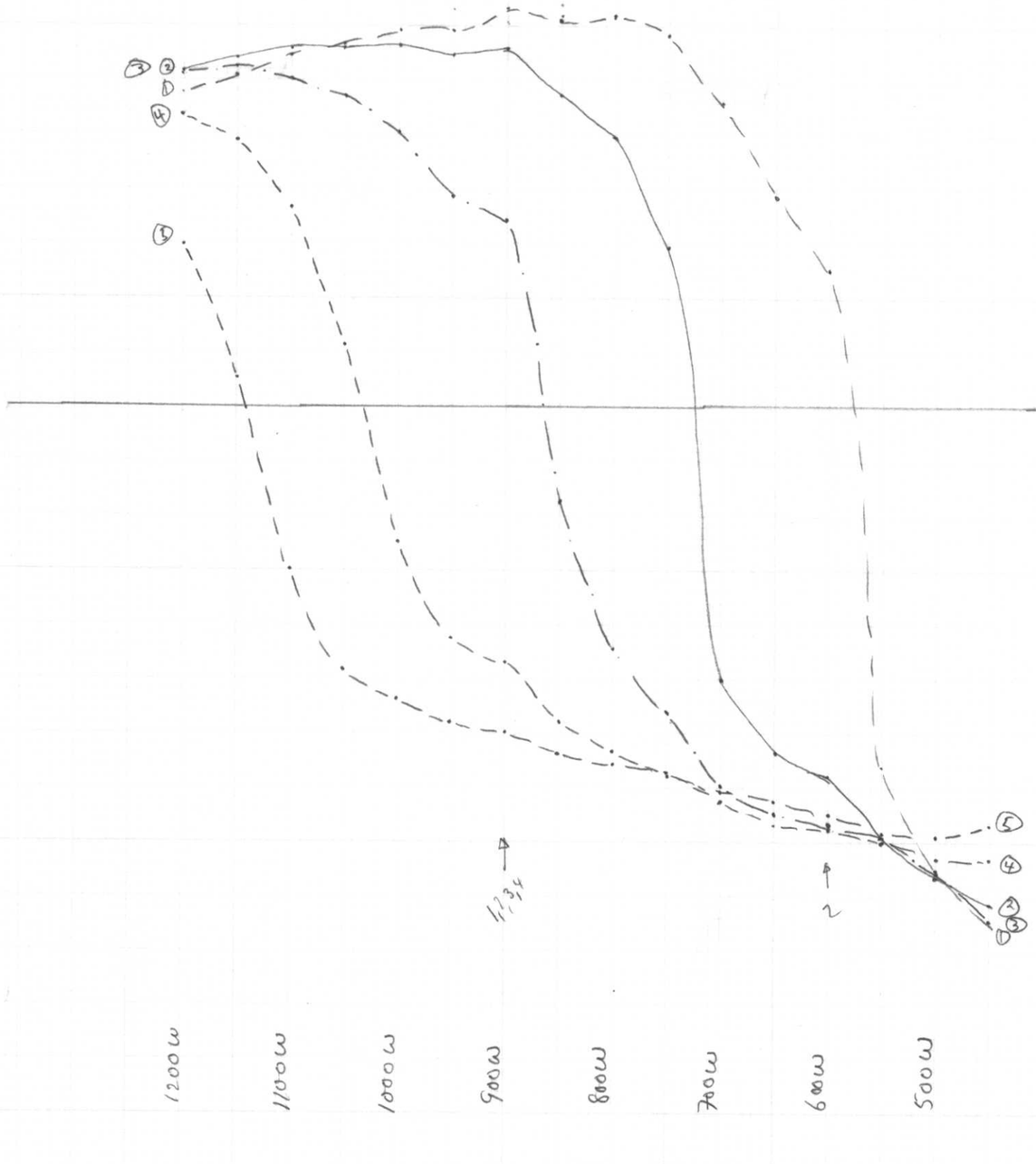

#1
2,3,4,5
3,4
Tx Loop #8
1
2
3
4
5
1200 W
1100 W
1000 W
900 W
800 W
700 W
600 W
500 W
400 W
L 3000 S
HORIZONTAL COMPONENT

A
L32S, Tx #8
Horiz. Comp.

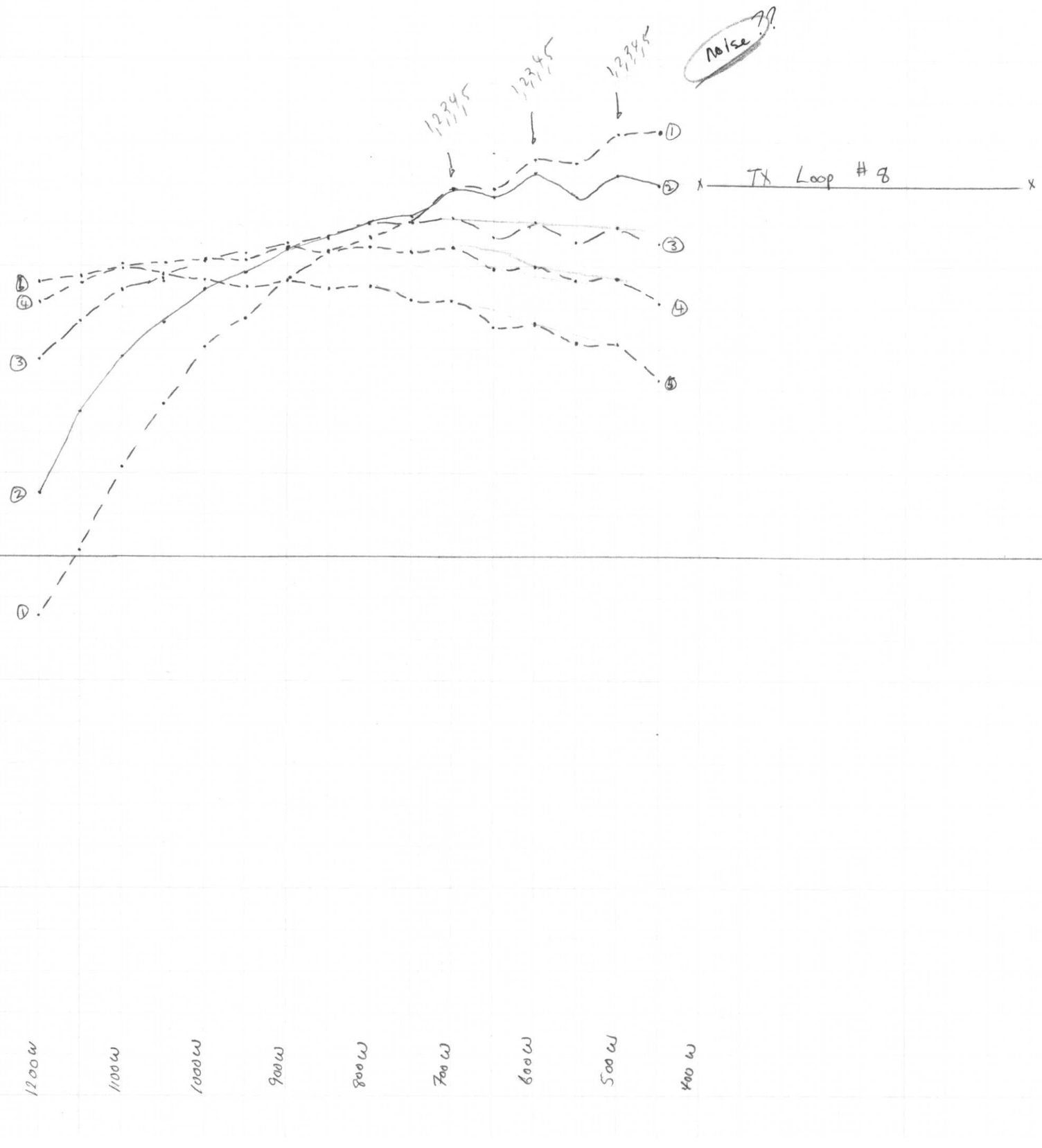
L325, Tx# 8

VERT. COMP.

Tx Loop # 8

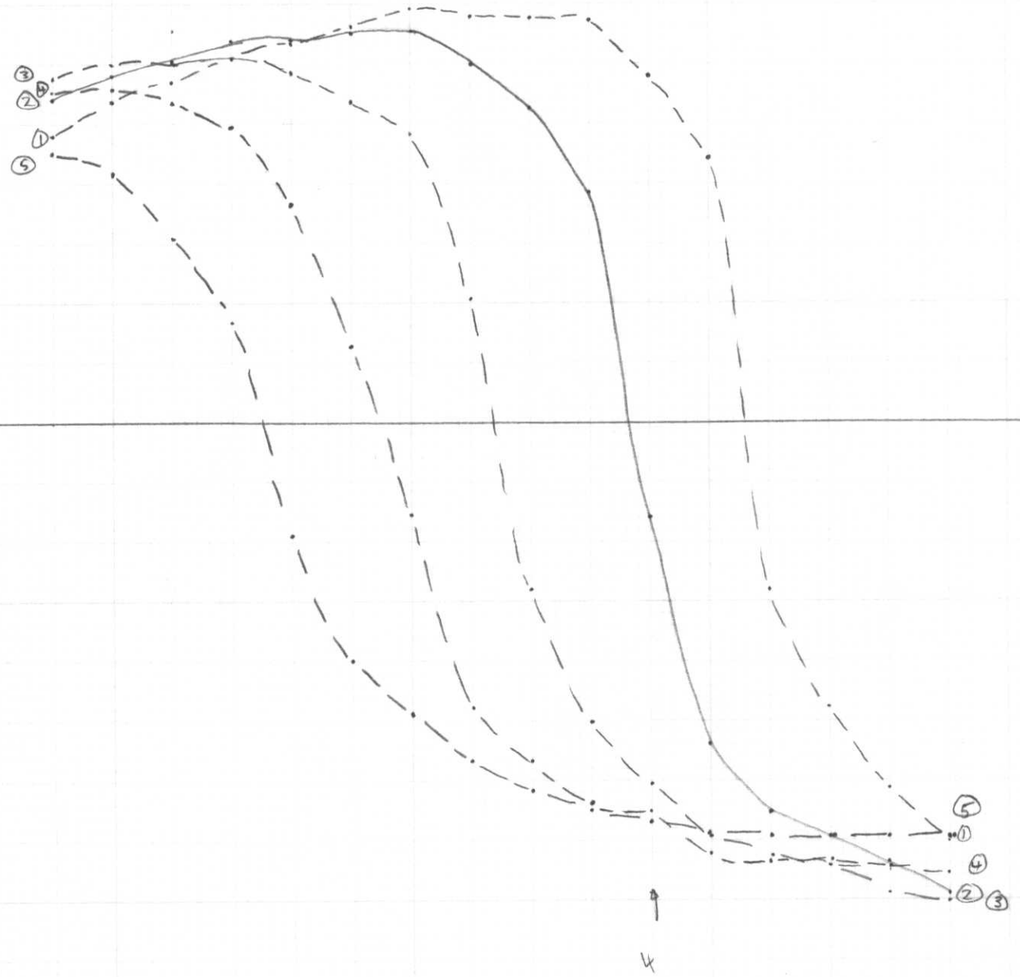


L 3400 S
VERICAL COMPONENT



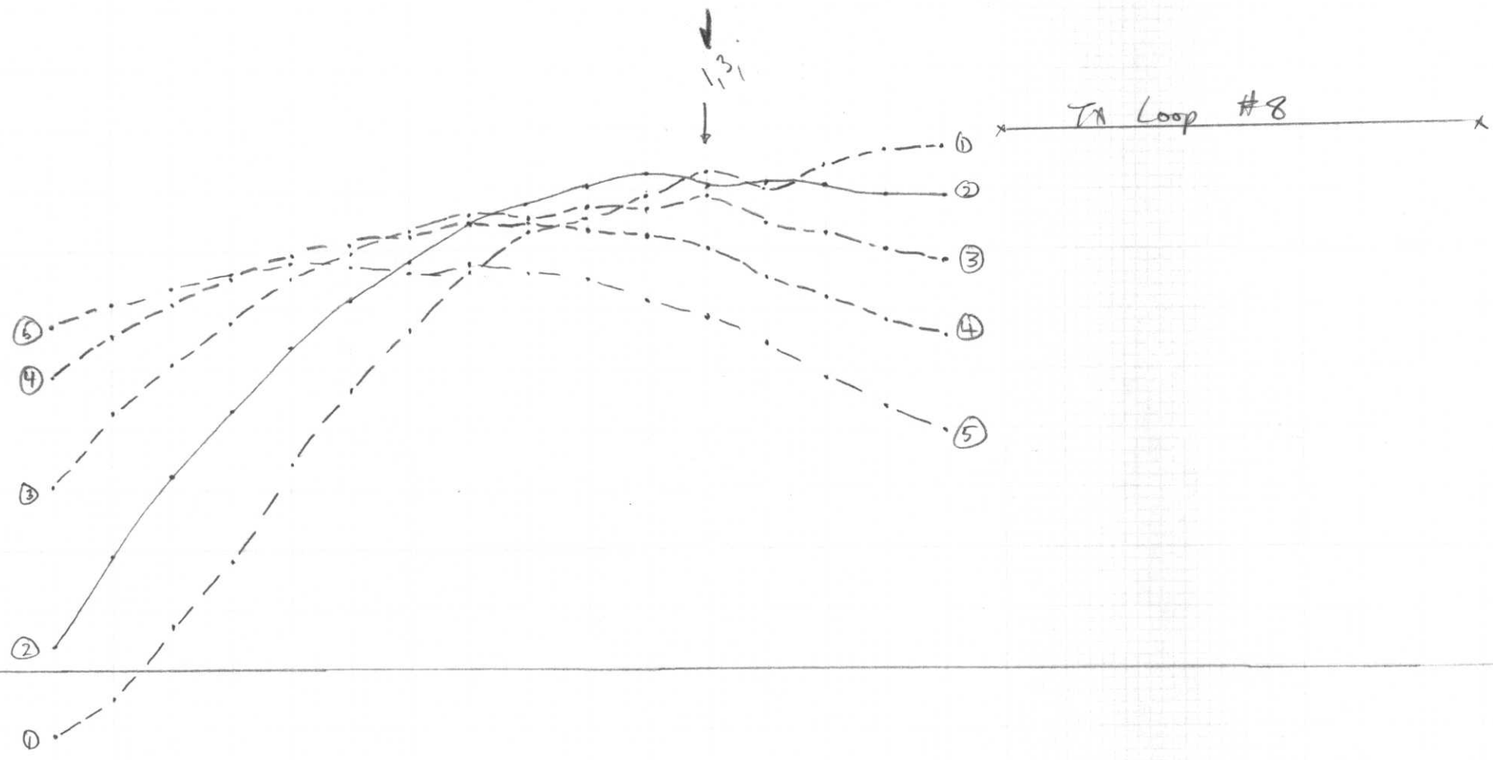
L 3400S
HORIZONTAL COMPONENT

Tx Loop #8



1200 w
1100 w
1000 w
900 w
800 w
700 w
600 w
500 w
400 w
300 w
200 w
100 w

L 3600 S
VERTICAL COMPONENT



L3600 S
HORIZONTAL COMPONENT

Fraser Filter

STATION	LINE	L16S	T	x No.	LINE	L24S	Tx	No.	LINE	L20S	TxNo.
-1800	94				81				120		
-1750	95				95				120		
-1700	98		1		100	-34			140	-30	
-1650	90		23		110	-30			130	10	
-1600	80		48		115	-7			120	93	
-1550	60		57		102	40			57	200.3	
-1500	53		63		83	66			-7.3	270.3	
-1450	24		92.5		68	62			-86	325.7	
-1400	-3.5		139.5		55	85			-190	446.7	
-1350	-59		229.5		11	152			-350	574	
-1300	-150		377.5		-40	266			-500	600	
-1250	-290		NA		-160	NA			-640	NA	
	NA		NA		NA	NA			NA	NA	
	NA		NA		NA	NA			NA	NA	
	NA		NA		NA	NA			NA	NA	

STATION	LINE L16S	Tx No1	LINE L24S	TxNo 1	LINE L20S	TxNo 1
200	11		20		19	
150	13		24		24	
100	16	-13	30	-23	30	-24
50	21	-20	37	-29	37	-29
0	28	-26	46	-37	46	-37
-50	35	-31	58	-47	58	-46
-100	45	-37	72	-54	71	-55
-150	55	-45	86	-61	88	-69
-200	70	-55	105	-62	110	-71
-250	85	-61	115	-54	120	-72
-300	101	-61	130	-50	150	-100
-350	115	-69	140	-55	180	-120
-400	140	-74	160	-60	210	-120
-450	150	-55	170	-30	240	-80
-500	160	-40	160	68	230	20
-550	170	-20	102	208	200	120
-600	160	40	20	300	150	221
-650	130	147	-58	430	59	421
-700	53	326	-250	612	-130	679
-750	-89	NA	-400	NA	-340	NA
	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA

STATION	LINE	L16S Tx No.	2LINE	L24S Tx No.	2LINE	L20S TxNo. 2
-200	11		11		12	
-150	12		12		14	
-100	15	-12	15	-12	17	-13
-50	20	-18	20	-18	22	-20
0	25	-24	25	-21	29	-27
50	34	-32	31	-26	37	-36
100	43	-40	40	-37	50	-49
150	56	-51	53	-48	65	-64
200	72	-65	66	-56	86	-86
250	92	-79	83	-69	115	-94
300	115	-71	105	-76	130	-109
350	120	-63	120	-72	180	-175
400	150	-95	140	-85	240	-240
450	180	-110	170	-110	310	-260
500	200	-30	200	-90	370	-210
550	160	100	200	10	390	30
600	120	201	160	120	260	489
650	39	313	120	208	11	959
700	-72	441	32	353	-320	1291
750	-210	NA	-105	NA	-700	NA
	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA

STATION	LINE L16S	Tx No. 2	LINE L20S	Tx No. 2	LINE L24S	Tx No. 2
1700	NA		NA		115	
1650	NA		NA		120	
1600	NA	NA	NA	NA	120	-15
1550	NA	NA	NA	NA	130	-20
1500	160	NA	NA	NA	130	5
1450	170	NA	180	NA	115	78
1400	140	108	100	NA	67	193
1350	82	206	20	410	-15	307
1300	22	226	-150	630	-110	382
1250	-26	NA	-360	NA	-220	NA
	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA

STATION	LINE L28S	Tx	No. 3LINE	L32S	Tx	No. 3LINE	L36S	Tx No. 3
200	37			38			26	
150	42			43			27	
100	48	-24		48	-21		28	-3
50	55	-28		54	-21		28	-1
0	63	-55		58	-19		28	2
-50	95	-60		63	-17		26	10
-100	83	-17		66	-15		20	20
-150	92	-14		70	-11		14	25
-200	100	-30		70	2		7	32.7
-250	105	-13		64	21		-5.7	46.7
-300	100	5		55	64		-20	53.3
-350	100	0		15	154		-32	53.3
-400	105	5		-50	228		-47	86
-450	90	33		-108	223		-91	122
-500	82	67		-150	192		-110	122
-550	46	144		-200	182		-150	149
-600	-18	236		-240	160		-200	200
-650	-90	278		-270	220		-260	250
-700	-160	282		-390	370		-340	280
-750	-230	NA		-490	NA		-400	NA
	NA	NA		NA	NA		NA	NA
	NA	NA		NA	NA		NA	NA

STATION	LINE L28S	Tx	No. 4LINE	L32S	Tx	No. 4LINE	L36S	Tx No. 4
0	17		! -5			! 5.5		!
50	16		! -10			! 3.7		!
100	14	9	! -14	19		! -1	16.2	!
150	10	22	! -20	26		! -6	23.7	!
200	-2	41	! -30	36		! -15	30	!
250	-15	45	! -40	43		! -22	31	!
300	-22	38	! -53	55		! -30	32	!
350	-33	51	! -72	66		! -39	32	!
400	-55	76	! -87	64		! -45	26	!
450	-76	93	! -102	93		! -50	26	!
500	-105	124	! -150	121		! -60	34	!
550	-150	149	! -160	98		! -69	34	!
600	-180	155	! -190	80		! -75	30	!
650	-230	190	! -200	80		! -84	29	!
700	-290	210	! -230	90		! -89	28	!
750	-330	NA	! -250	NA		! -98	NA	!
	NA	NA	! NA	NA		! NA	NA	!
	NA	NA	! NA	NA		! NA	NA	!
	NA	NA	! NA	NA		! NA	NA	!
	NA	NA	! NA	NA		! NA	NA	!

STATION	LINE	L28S	Tx	No.	4LINE	L32S	Tx	No.	4LINE		
2000	45				35				NA		
1950	51				34				NA		
1900	61	-35			23	34			NA	NA	
1850	70	-39			12	47.5			NA	NA	
1800	81	-41			-2.5	61.5			NA	NA	
1750	91	-38			-24	74.5			NA	NA	
1700	98	-28			-41	73.5			NA	NA	
1650	102	-13			-59	69			NA	NA	
1600	100	0			-75	69			NA	NA	
1550	100	25			-94	75			NA	NA	
1500	77	93			-115	96			NA	NA	
1450	30	184			-150	131			NA	NA	
1400	-37	294			-190	135			NA	NA	
1350	-150	373			-210	120			NA	NA	
1300	-230	333			-250	150			NA	NA	
1250	-290	NA			-300	NA			NA	NA	
	NA	NA			NA	NA			NA	NA	
	NA	NA			NA	NA			NA	NA	
	NA	NA			NA	NA			NA	NA	

Channel #3

Loop #5

STATION	LINE 32S	28s tx5	LINE	L36S	txno.5	LINE	L28S	TxNo.5
-1400E	22		NA			50		
-1350	17		NA			55		
-1300	14	18.3	NA	NA		58	-12	
-1250	6.7	31.8	NA	NA		59	-10	
-1200	-7.5	52.2	NA	NA		64	-14	
-1150	-24	64.2	NA	NA		67	-17	
-1100	-41	73.5	NA	NA		73	-9	
-1050	-64	87	NA	NA		67	16	
-1000	-88	98	-78	NA		57	50	
-950	-115	113	-88	NA		33	92.8	
-900	-150	127	-95	31		-1.8	133.8	
-850	-180	115	-102	27		-42	158.2	
-800	-200	80	-108	31		-85	171.2	
-750	-210	70	-120	40		-130	183	
-700	-240	80	-130	42		-180	185	
-650W	-250	NA	-140	NA		-220	NA	
	NA	NA	NA	NA		NA	NA	
600W	29	NA	14	NA		44	NA	
550	28	NA	14	NA		45	NA	
500	27	8	11.5	7.2		43	1	
450	22	25	9.3	15.2		45	2	
400	8	64	1	23.6		41	7	
350	-23	101	-3.8	21.1		40	10	
300	-48	98	-7	20.2		36	29	
250	-65	82	-16	35.2		16	67.5	
200	-88	85	-30	48		-7.5	109.5	
150	-110	107	-41	45		-50	198.5	
100	-150	112	-50	44		-140	272.5	
50	-160	100	-65	49		-190	220	
0	-200	100	-75	40		-220	140	
-50	-210	90	-80	33		-250	120	
-100	-240	70	-93	38		-280	110	
-150E	-240	NA	-100	NA		-300	NA	
	NA	NA	NA	NA		NA	NA	
	NA	NA	NA	NA		NA	NA	
	NA	NA	NA	NA		NA	NA	
	NA	NA	NA	NA		NA	NA	
	NA	NA	NA	NA		NA	NA	

STATION	LINE L16S	Tx No. 6	LINE L20S	Tx No. 6	LINE L24S	Tx No. 6
-1400	44		47		36	
-1350	54		56		43	
-1300	65	-46	68	-47	52	-35
-1250	79	-54	82	-58	62	-39
-1200	94	-60	100	-65	72	-46
-1150	110	-57	115	-63	88	-57
-1100	120	-36	130	-65	103	-58
-1050	120	-20	150	-75	115	-44
-1000	130	-40	170	-90	120	-52
-950	150	-40	200	-80	150	-75
-900	140	10	200	30	160	-80
-850	130	45	140	268.5	190	-100
-800	115	91	-8.5	558.5	220	-70
-750	64	246	-210	741.5	200	95
-700	-65	484	-400	801.5	115	340
-650	-240	NA	-620	NA	-35	NA
	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA

STATION	LINE L16S Tx	No. 6	LINE L20S Tx	No. 6	LINE L24S Tx	No. 6
600	20		33		43	
550	26		44		55	
500	35	-37	60	-63	67	-53
450	48	-49	80	-83	84	-64
400	62	-61	107	-87	102	-71
350	82	-75	120	-83	120	-54
300	103	-79	150	-113	120	-38
250	120	-75	190	-120	140	-50
200	140	-77	200	-90	150	-50
150	160	-90	230	-60	160	-10
100	190	-80	220	10	140	50
50	190	0	200	162	120	140
0	160	100	88	325.5	40	267
-50	120	194	6.5	471.5	-47	407
-100	36	328	-190	794.5	-200	613
-150	-84	NA	-510	NA	-420	NA
	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA

STATION	LINE L4S	Tx	No. 7LINE	L8S	Tx	No. 7LINE	L12S	Tx No. 7
-750	13		! NA			! NA		!
-700	15		! NA			! NA		!
-650	17	-11	! NA	NA		! NA	NA	!
-600	22	-15	! 23	NA		! 12	NA	!
-550	25	-16	! 28	NA		! 15	NA	!
-500	30	-18	! 35	-24		! 19	-17	!
-450	35	-23	! 40	-22		! 25	-22	!
-400	43	-29	! 45	-25		! 31	-29	!
-350	51	-33	! 55	-34		! 42	-34	!
-300	60	-34	! 64	-40		! 48	-34	!
-250	68	-37	! 76	-47		! 59	-40	!
-200	80	-42	! 90	-53		! 71	-53	!
-150	90	-39	! 103	-52		! 89	-64	!
-100	97	-18	! 115	-42		! 105	-65	!
-50	91	18	! 120	-17		! 120	-46	!
0	78	49	! 115	20		! 120	-15	!
50	61	65	! 100	65		! 120	18	!
100	43	84	! 70	135		! 102	73	!
150	12	101.5	! 10	257		! 65	132	!
200	-9.5	110.5	! -97	377		! 25	152.5	!
250	-46	140.5	! -200	463		! -10.5	175.5	!
300	-92	186.5	! -350	533		! -75	269.5	!
350	-150	NA	! -480	NA		! -180	NA	!
	NA	NA	! NA	NA		! NA	NA	!
	NA	NA	! NA	NA		! NA	NA	!

STATION	LINE L4S	Tx	No. 7	LINE	L8S	Tx	No. 7	LINE	L12S	Tx	No. 7
1500	56			69				NA			
1450	67			81				NA			
1400	75	-32		100	-70			78	NA		
1350	80	-26		120	-59			91	NA		
1300	88	-30		120	-30			110	-61		
1250	97	-24		130	-30			120	-49		
1200	95	-5		140	-40			130	-50		
1150	95	-3		150	-20			150	-90		
1100	100	2		140	30			190	-90		
1050	88	38		120	62			180	0		
1000	69	89		108	146.5			160	100		
950	30	155		5.5	392.5			110	228.5		
900	-28	211		-170	703.5			1.5	428.5		
850	-84	NA		-420	NA			-160	NA		
	NA	NA		NA	NA			NA	NA		
	NA	NA		NA	NA			NA	NA		
	NA	NA		NA	NA			NA	NA		
	NA	NA		NA	NA			NA	NA		
	NA	NA		NA	NA			NA	NA		
	NA	NA		NA	NA			NA	NA		

STATION	LINE32s tx 8		LINE 30S TX 8		LINE 34S TX8	
-1200	62		59		63	
-1150	60		58		65	
-1100	45	47	55	21	61	14
-1050	30	53	41	35	53	34
-1000	22	33	37	29	39	52
-950	20	22	30	24	23	51
-900	10	45	24	36	18	52.8
-850	-13	77	7	51.5	-8.8	79.8
-800	-34	77	-4.5	76.5	-30	89.2
-750	-46	83	-41	109.5	-50	103.2
-700	-84	154	-66	128.5	-92	132
-650	-150	200	-108	161	-120	108
-600	-180	146	-160	236	-130	68
-550	-200	110	-250	302	-150	90
-500	-240	160	-320	330	-190	120
-450	-300	NA	-420	NA	-210	NA
-400	NA	NA	NA	NA	NA	NA
-350	NA	NA	NA	NA	NA	NA
-300	NA	NA	NA	NA	NA	NA
-250	NA	NA	NA	NA	NA	NA
-200	NA	NA	NA	NA	NA	NA
-150	NA	NA	NA	NA	NA	NA
-100	NA	NA	NA	NA	NA	NA
-50	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA

	NA	NA	!	NA	NA	!	NA	NA	!
	NA	NA	!	NA	NA	!	NA	NA	!
	NA	NA	!	NA	NA	!	NA	NA	!
	NA	NA	!	NA	NA	!	NA	NA	!
	NA	NA	!	NA	NA	!	NA	NA	!

STATION	LINE28S TX 8		!	LINE 36S TX8		!	LINE		!
-1200	50		!	53		!	NA		!
-1150	45		!	59		!	NA		!
-1100	46	5	!	60	-12	!	NA	NA	!
-1050	44	7	!	64	-1	!	NA	NA	!
-1000	40	15	!	56	23	!	NA	NA	!
-950	35	19	!	45	40	!	NA	NA	!
-900	30	29	!	35	56	!	NA	NA	!
-850	16	47.2	!	10	84	!	NA	NA	!
-800	1.8	66.2	!	-14	97	!	NA	NA	!
-750	-22	94.8	!	-38	95	!	NA	NA	!
-700	-55	144.8	!	-61	99	!	NA	NA	!
-650	-110	223	!	-90	96	!	NA	NA	!
-600	-190	295	!	-105	69	!	NA	NA	!
-550	-270	320	!	-115	60	!	NA	NA	!
-500	-350	290	!	-140	70	!	NA	NA	!
-450	-400	NA	!	-150	NA	!	NA	NA	!
-400	NA	NA	!	NA	NA	!	NA	NA	!
-350	NA	NA	!	NA	NA	!	NA	NA	!
-300	NA	NA	!	NA	NA	!	NA	NA	!
-250	NA	NA	!	NA	NA	!	NA	NA	!
-200	NA	NA	!	NA	NA	!	NA	NA	!
-150	NA	NA	!	NA	NA	!	NA	NA	!
-100	NA	NA	!	NA	NA	!	NA	NA	!
	NA	NA	!	NA	NA	!	NA	NA	!
	NA	NA	!	NA	NA	!	NA	NA	!
	NA	NA	!	NA	NA	!	NA	NA	!

STATION	LINE L4S	Tx	No. 9	LINE	L8S	Tx	No. 9	LINE	L12S	Tx	No. 9
1200	34			48				35			
1150	41			60				45			
1100	51	-36		73	-55			56	-44		
1050	60	-40		90	-72			68	-48		
1000	72	-46		115	-72			81	-53		
950	85	-53		120	-55			96	-56		
900	100	-58		140	-65			109	-47		
850	115	-50		160	-60			115	-30		
800	120	-25		160	20			120	-26		
750	120	-15		120	120			130	-25		
700	130	-20		80	185			130	10		
650	130	0		15	270			110	111		
600	120	71		-85	410			39	256		
550	69	197		-230	520			-55	384		
500	-16	355		-360	545			-180	454		
450	-150	NA		-500	NA			-290	NA		
	NA	NA		NA	NA			NA	NA		
	NA	NA		NA	NA			NA	NA		
	NA	NA		NA	NA			NA	NA		
	NA	NA		NA	NA			NA	NA		
	NA	NA		NA	NA			NA	NA		

STATION	Line 3200	channel1		LINE	Ch #2	3200	LINE	Ch #3	3200
-1200	60			69			62		
-1150	68			75			60		
-1100	74	-25		74	-1		45	47	
-1050	79	-24		71	6		30	53	
-1000	87	-32		72	-2		22	33	
-950	98	-42		75	-7		20	22	
-900	110	-34		75	15		10	45	
-850	109	-16		57	48		-13	77	
-800	115	-11		45	57		-34	77	
-750	115	11		30	81.5		-46	83	
-700	98	120		-9.5	186.5		-84	154	
-650	12	223		-102	272.5		-150	200	
-600	-22	202		-150	238.5		-180	146	
-550	-70	240		-200	198		-200	110	
-500	-180	388		-250	230		-240	160	
-450	-300	NA		-330	NA		-300	NA	
	NA	NA		NA	NA		NA	NA	
	NA	NA		NA	NA		NA	NA	

STATION	Line ch#4	3200S	LINE	3200S	Ch #5	LINE	3200S	ch #6
-1200	38		4.5			-26		
-1150	24		-11			-38		
-1100	2	77	-36	78.5		-50	42	
-1050	-17	70	-49	57		-56	28	
-1000	-27	44	-55	29		-60	14	
-950	-32	32	-59	21		-60	8	
-900	-44	45	-66	26		-64	10	
-850	-60	59	-74	32		-66	-66	
-800	-75	54	-83	28		-70	10	
-750	-83	56	-85	28		-70	8	
-700	-108	100	-100	72		-74	14	
-650	-150	129	-140	105		-80	16	
-600	-170	112	-150	60		-80	8	
-550	-200	80	-150	10		-82	5	
-500	-200	50	-150	0		-83	5	
-450	-220	NA	-150	NA		-84	-81	
	NA	NA	NA	NA		NA	NA	
	NA	NA	NA	NA		NA	NA	
	NA	NA	NA	NA		NA	NA	

STATION	Line 3200S	ch #7	LINE	3200S	ch #8
-1200	-28		-20		
-1150	-34		-21		
-1100	-39	17	-24	8	
-1050	-40	8	-25	5	
-1000	-41	2	-25	0	
-950	-40	1	-24	-1	
-900	-42	3	-25	1	
-850	-42	3	-25	1	
-800	-43	1	-25	-1	
-750	-42	0	-24	-2	
-700	-43	2	-24	-2	
-650	-44	3	-23	-1	
-600	-44	1	-24	0	
-550	-44	-1	-23	-2	
-500	-43	-2	-22	-4	

STATION	Line2800S	ch #7	LINE 2800S	ch #8
-1200	-26		-20	
-1150	-30		-22	
-1100	-30	8	-21	2
-1050	-34	9	-23	4
-1000	-35	10	-24	5
-950	-39	10	-25	3
-900	-40	7	-25	1
-850	-41	6	-25	0
-800	-44	8	-25	1
-750	-45	8	-26	3
-700	-48	9	-27	3
-650	-50	8	-27	2
-600	-51	7	-28	3
-550	-54	8	-29	3
-500	-55	4	-29	0
-450	-54	NA	-28	NA
	NA	NA	NA	NA
	NA	NA	NA	NA

STATION	Line2800S	ch #4	LINE 2800S	ch #5	LINE 2800S	ch #6
-1200	25		-25		-26	
-1150	16		-31		-38	
-1100	15	16.5	-33	15	-50	42
-1050	9.5	19.5	-38	17	-56	28
-1000	2	31.5	-43	20	-60	14
-950	-9	40.5	-48	21	-60	8
-900	-20	47	-54	21	-64	10
-850	-34	56	-58	21	-66	-66
-800	-51	69	-65	23	-70	10
-750	-72	88	-70	26	-70	8
-700	-101	128	-79	29	-74	14
-650	-150	167	-85	31	-80	16
-600	-190	189	-95	32	-80	8
-550	-250	200	-101	29	-82	5
-500	-290	150	-108	20	-83	5
-450	-300	NA	-108	NA	-84	-81
	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA

STATION	Line2800S	ch #1	LINE 2800S	ch #2
-1200	50		55	
-1150	53		56	
-1100	61	-26	63	-18
-1050	68	-29	66	-17
-1000	75	-29	70	-15
-950	83	-32	74	-18
-900	92	-39	80	-13
-850	105	-45	77	6
-800	115	-33	71	24
-750	115	-15	62	41
-700	120	0	45	96
-650	110	76	-8	215
-600	49	232	-100	347
-550	-51	460	-210	452
-500	-250	598	-350	440
-450	-350	NA	-400	NA
	NA	NA	NA	NA

⊕ proposed drill hole

# of Anomalous Channels

* 4 or more

• 2 or 3

MAP ORIGIN: SHELL CANADA RESOURCES LIMITED (1981)

CORPORATION FALCONBRIDGE COPPER

BENAMY PROJECT

1985 DEEPEM SURVEY

Horizontal Component Anomalies

0 100 500 1000 m

SCALE: 1:10,000

DVL 21/2/85		FIG. NO.:
DRAWN BY: DVL/dg		2
DATE: JAN./1985	N.T.S. 93 L/1 E	

inches
0 1 2
0 1 2 3 4 5
centimetres

BRITISH COLUMBIA GEOLOGICAL SURVEY

This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.

MAP ORIGIN: SHELL CANADA RESOURCES LIMITED (1981)

CORPORATION FALCONBRIDGE COPPER

BENAMY PROJECT
1985 DEEPEM SURVEY

Fraser filter
Channel 3

0 100 500 1000 m

SCALE: 1:10,000

DVL 21/2/85		FIG. NO.:
DRAWN BY: DVL/dg		3
DATE: JAN./1985	N.T.S. 93 L/1 E	