

020493!

1974 EARN PROJECT

GEOCHEM NOTES

105-K-11

VEG	DRAIN	HOR DEV	DAR MAT	PERMA	ASH
tree	POOR	good	B	yes	yes
"	fair	"	"	"	"
"	"	fair	"	"	NO
"	"	good	"	"	yes
"	"	"	"	"	"
"	"	"	"	NO	"
"	"	"	"	"	"
"	good	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
"	POOR	good	"	yes	"
"	good	"	"	NO	"
"	POOR	"	"	"	NO
"	fair	"	"	yes	yes
"	"	"	"	NO	"
"	"	fair	"	yes	"
Cut	line	30'	North	of	124N (40E)
"	"	"	"	"	"
"	POOR	"	"	yes	"
"	good	good	"	NO	"
#1	Y35323	#1	Y35322	—	—

#2 Y35325 #1 Y3655

LINE	STA	DEP	COLOR	TEXT	SCOPE	DIRN
12E	132N	B/12	grey	SILT	↑	Med
	135N	B/10	"	"		"
	143N	B/8	"	"		"
	144N	B/8"	"	"		"
	146N	B/8	"	"		"
	148N	"	"	"		"
	*149N	B/10	brown	SILT RY		b
56E	142	B/10	"	SILT		1
	124N	B/10	"	"		"
	126N	B/12	"	"		"
	135N	B/12	grey	SILT		"
	138N	B/10	brown	"		"
44E	138N	B/12	grey	SILT SAND		STP
	126N	B/10	brown	SILT ASH		Med
10E	136N	B/10	+	SILT		"
	135N	B/15	grey	"		"
	GC	L 44E		128N		HITS
	119N	B/10	brown	1K		STP
	115N	B/10	"	"		"
	114N	B/12	"	"		"
CLAIM POSTS			30' N OF	112N		40E

Veg	Drainage	Horizon	Percent	See	AsL
mes trees	poor	poor	B	16" perme	little
"	poor	poor	B	14" perme	1. TTG in sample
to steep					
mes trees	poor	poor	B	14" perme	some in sample
"	slope	steep			
"	poor	poor	B	8" perme	none
"	fair	poor	B	14" perme	some in sample
slope steep - also rock.					
steep to med					
mes trees	poor	poor	B	10" perme	none
med to gentle → flat					
mes trees	poor	poor	B	12" perme	some in sample
"	poor	poor	B	10" rock perme	"
14"	slope gentle				
mes trees	poor	poor	B	10" perme	some in sample
12"	slope flat				

119N

115N

steep

med.

Line	Station	Depth	Color	Texture	Slope/Air
20E	124N	B 16"	med grey	silt	North med
"	123N	B 14"	med grey	silt	"
16E	121N	Break		slope	gentle
16E	122N	A 14"	Black	silt	North steep
	123N	Organic		20"	perma
	124N	A 8"	Black	silt	North steep
	126N	A 14"	Black grey	silt	North steep
	127N	Organic		14"	perma
	127	Break			in Slope
	128	A 10"	Black	silt	North med
	128	Break			in Slope
	129	A 12"	Black	silt cl	North gentle
	130	A 10"	Black	silt	"
	131	Organic			Perma
	132	A 10"	Black	silt cl	North flat
	133	Organic			Perma
L. 10"	122N	- 119			gentle -
	115	- 112			med-North
	112	- 100	- side hill		Northwest

veg	Drainage	Horiz. base	Parent mat	Ice wave	Ash
moor trees	poor	none	B	in rock	very little
"	poor	poor	B	rock	none
medium	B	North	steep		
moor trees	poor	poor	B	none rock	none
"	poor	none	B	rock	none
"	poor	poor	B	rock	very little
"	poor	poor	B	10" perma + rock	none
"	poor	poor	B	10" perma	scattered some in sample
"	no definite break in slope				
"	poor	none	B	14" perma	none

- slope flat

moor trees	poor	very poor	B	12" perma	none
"	poor	poor	B	14" perma	Ash in sample
- slope gentle. Break slope from					
moor trees	poor	med	B	gentle	
"	poor	poor	B	12" perma	very little
"	poor	poor	B	15" perma	some in sample
slope steep					
slope - steep					
moor trees	poor	poor	B	14" perma	some in sample
of slope med to steep					

5/11

1870 cps

out of phase
max min

1

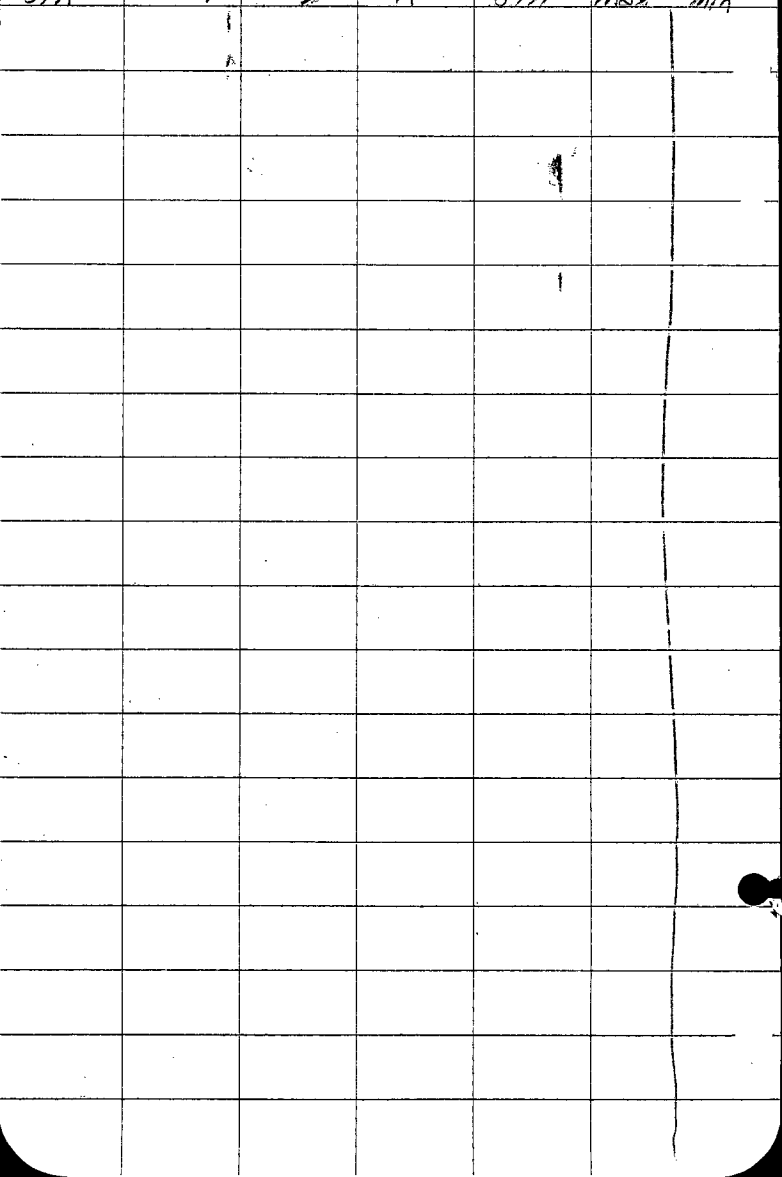
2

P

5/11

max

min



Sta.	183 Eops			Sta.	out of phase	
	1	2	R		max	min
56 1/2 S	-8	-6	-14	54 S	100	35
57 1/2 S	-12	-6	-18	55 S	100	35
58 1/2 S	-14	-2	-16	56 S	100	30
59 1/2 S	-14	0	-14	57 S	100	20
60 1/2 S	-16	+4	-12	58 S	100	25
61 1/2 S	-14	+4	-10	59 S	100	30
62 1/2 S	-14	+2	-12	60 S	100	25
63 1/2 S	-14	0	-14	61 S	100	20
64 1/2 S	-14	+2	-12	62 S	100	25
65 1/2 S	-14	-2	-16	63 S	100	20
66 1/2 S	-14	+4	-10	64 S	100	25
67 1/2 S	-12	+8	-4	65 S	100	20
68 1/2 S	-14	+8	-6	66 S	100	20
69 1/2 S	-14	+12	-2	67 S	100	20
70 1/2 S	-20	+10	-10	68 S	100	20
71 1/2 S	-20	+10	-10	69 S	100	20
72 1/2 S	-16	+10	-6	70 S	100	20

Sta	1 2 P			Time	out of phase	
	1	2	P		max	min
<u>LINE 112 E</u>						
40½ S	-14	-14	-28	385	100	40
41½ S	-16	-10	-20	395	100	35
42½ S	-10	-12	-22	405	100	30
43½ S	-8	-12	-20	415	100	35
44½ S	-6	-10	-16	425	100	35
45½ S	-6	-10	-16	435	100	30
46½ S	-6	-10	-16	445	100	30
47½ S	-4	-10	-14	455	100	25
48½ S	-12	-10	-22	465	100	40
49½ S	-14	-14	-28	475	100	40
50½ S	-12	-12	-24	485	100	35
51½ S	-8	-14	-22	495	100	35
52½ S	-10	-12	-22	505	100	35
53½ S	-10	-10	-20	515	100	30
54½ S	-4	-12	-16	525	100	35
55½ S	-2	-12	-14	535	100	35

Sta	1830 cps			min Sta	out of phase	
	1	2	R		max	min
66 1/2 S	+6	-24	-18	695	100	30
65 1/2 S	+6	-24	-18	685	100	30
64 1/2 S	+6	-22	-16	675	100	25
63 1/2 S	+8	-22	-14	665	100	25
62 1/2 S	+10	-18	-8	655	100	25
61 1/2 S	+8	-20	-12	645	100	25
60 1/2 S	+8	-18	-10	635	100	25
59 1/2 S	+6	-22	-16	625	100	30
58 1/2 S	+6	-20	-14	615	100	30
57 1/2 S	+4	-20	-16	605	100	25
56 1/2 S	+4	-22	-18	595	100	25
55 1/2 S	+2	-18	-16	585	100	25
54 1/2 S	+2	-16	-14	575	100	25
53 1/2 S	+2	-20	-18	565	100	30
52 1/2 S	+6	-20	-14	555	100	30
51 1/2 S	+4	-18	-14	545	100	30
50 1/2 S	-8	-16	-24	535	100	25

Sta	1800 cps			min Sta	out of phase	
	1	2	P		max	min
LINE	72E					
82½S	-8	-10	-18	855	100	30
81½S	-8	-12	-20	845	100	30
80½S	-8	-12	-20	835	100	35
79½S	-8	-14	-22	825	100	35
78½S	-2	-12	-14	815	100	30
77½S	0	-18	-18	805	100	30
76½S	0	-20	-20	795	100	40
75½S	0	-24	-24	785	100	40
74½S	0	-24	-24	775	100	30
73½S	0	-26	-26	765	100	45
72½S	0	-26	-26	755	100	40
71½S	0	-30	-30	745	100	35
70½S	+6	-30	-24	735	100	30
69½S	+10	-26	-16	725	100	30
68½S	+8	-22	-14	715	100	30
67½S	+6	-22	-16	705	100	30

64E Stn	1	1830 2	R	min Stn	out of max phase min
56½ S	-16	+4	-20	54 S	100 30
57½ S	-18	-4	-22	55 S	100 35
58½ S	-16	-2	-18	56 S	100 35
59½ S	-16	-2	-18	57 S	100 35
60½ S	-14	-6	-20	58 S	100 30
61½ S	-14	-2	-16	59 S	100 25
62½ S	-16	+2	-14	60 S	100 30
63½ S	-20	+2	-18	61 S	100 30
64½ S	-24	+2	-22	62 S	100 30
65½ S	-26	+6	-20	63 S	100 35
66½ S	-28	+6	-22	64 S	100 40
67½ S	-36	+12	-24	65 S	100 20
68½ S	-32	+12	-20	66 S	100 30
69½ S	-32	+12	-20	67 S	100 26
70½ S	-32	+16	-16	68 S	100 30
71½ S	-28	+12	-16	69 S	100 35
72½ S	-26	+2	-24	70 S	100 40

Sta	1	1830 gps		min Sta	out of phase	
		2	R		max	min
LINE 64E						
39 1/2 S	-14	+2	-12	375	100	25
40 1/2 S	-12	+4	-8	385	100	25
41 1/2 S	-14	+4	-10	395	100	25
42 1/2 S	-14	+2	-12	405	100	30
43 1/2 S	-10	-2	-12	415	100	30
44 1/2 S	-14	-2	-16	425	100	30
45 1/2 S	-20	+2	-18	435	100	30
46 1/2 S	-16	0	-16	445	100	25
47 1/2 S	-16	-2	-18	455	100	25
48 1/2 S	-10	-6	-16	465	100	30
49 1/2 S	-10	-8	-18	475	100	40
50 1/2 S	-10	-16	-26	485	100	40
51 1/2 S	-12	-16	-28	495	100	35
52 1/2 S	-16	-18	-34	505	100	35
53 1/2 S	-16	-8	-24	515	100	40
54 1/2 S	-16	-8	-24	525	100	40
55 1/2 S	-18	-6	-24	535	100	35

SWE Sta.	1830 cps			min Sta.	out of phase	
	1	2	P		max	min
65 1/2 S	+6	-20	-14	685	100	20
64 1/2 S	+4	-18	-14	675	100	20
63 1/2 S	+2	-16	-14	665	100	25
62 1/2 S	+2	-16	-14	655	100	25
61 1/2 S	0	-16	-16	645	100	25
60 1/2 S	0	-16	-16	635	100	35
59 1/2 S	-4	-16	-20	625	100	35
58 1/2 S	-4	-16	-20	615	100	35
57 1/2 S	-10	-14	-24	605	100	40
56 1/2 S	-10	-18	-28	595	100	30
55 1/2 S	-10	-18	-28	585	100	40
54 1/2 S	-10	-18	-28	575	100	35
53 1/2 S	-10	-14	-24	565	100	35
52 1/2 S	-12	-14	-26	555	100	35
51 1/2 S	-8	-10	-18	545	100	35
50 1/2 S	-6	-10	-16	535	100	30
49 1/2 S	-6	-8	-14	525	100	25

LINE STN	56E 1830 cps			min STN.	out of phase	
	1	2	R		max	min
82½S	-14	-8	-22	855	100	25
81½S	-16	-14	-30	845	100	40
80½S	-8	-16	-24	835	100	40
79½S	+2	-20	-18	825	100	30
78½S	+4	-22	-18	815	100	30
77½S	+10	-22	-12	805	100	25
76½S	+14	-34	-20	795	100	25
75½S	+18	-28	-10	785	100	30
74½S	+20	-30	-10	775	100	35
73½S	+20	-30	-10	765	100	30
72½S	+18	-28	-10	755	100	30
71½S	+8	-22	-14	745	100	25
70½S	+8	-22	-14	735	100	25
69½S	+8	-22	-14	725	100	25
68½S	+8	-22	-14	715	100	30
67½S	+12	-22	-10	705	100	30
66½S	+14	-24	-10	695	100	25

48E

1830 cps

mig

out of phase

Stn	1830 cps			mig Stn	out of phase	
	1	2	R		max	min
68½ S	-18	+8	-10	665	100	30
69½ S	-20	+6	-14	675	100	30
70½ S	-24	+10	-14	685	100	35
71½ S	-24	+12	-12	695	100	30
72½ S	-26	+10	-16	705	100	35
73½ S	-26	+8	-18	715	100	30
74½ S	-26	+2	-24	725	100	35
75½ S	-20	+4	-16	735	100	35
76½ S	-16	+4	-12	745	100	40
77½ S	-20	+2	-18	755	100	30
78½ S	-16	0	-16	765	100	35
79½ S	-18	-4	-22	775	100	40
80½ S	-14	-6	-20	785	100	30
81½ S	-8	-8	-16	795	100	35
82½ S	-8	-12	-20	805	100	30

48c stn	1830 cps			min stn	out of phase	
	1	2	R		max	min
51 1/2 S	-8	-2	-10	495	100	30
52 1/2 S	-8	-4	-12	505	100	25
53 1/2 S	-6	-4	-10	515	100	30
54 1/2 S	-8	-6	-14	525	100	35
55 1/2 S	-10	-8	-18	535	100	35
56 1/2 S	-10	-8	-18	545	100	30
57 1/2 S	-10	-8	-18	555	100	30
58 1/2 S	-10	-6	-16	565	100	30
59 1/2 S	-12	-2	-14	575	100	30
60 1/2 S	-14	0	-14	585	100	25
61 1/2 S	-14	+4	-10	595	100	35
62 1/2 S	-20	+4	-16	605	100	35
63 1/2 S	-20	+6	-14	615	100	35
64 1/2 S	-20	+6	-14	625	100	35
65 1/2 S	-20	+4	-16	635	100	30
66 1/2 S	-16	+2	-14	645	100	30
67 1/2 S	-18	+8	-10	655	100	35

- July 19, 1972 Weather: Overcast

OPERATORS: G. SARGEANT

B. PROCHNICKI

CAPPA GRID

LINE 48F	1830 cps			min stn.	out of phase	
	1	2	R		max	min
39 1/2 S	-14	+6	-8	375	100	20
40 1/2 S	-14	+4	-10	385	100	20
41 1/2 S	-14	+8	-6	395	100	25
42 1/2 S	-14	+6	-8	405	100	25
43 1/2 S	-14	+8	-6	415	100	25
44 1/2 S	-14	+4	-10	425	100	25
45 1/2 S	-14	+2	-12	435	100	25
46 1/2 S	-14	+2	-12	445	100	30
47 1/2 S	-10	0	-10	455	100	30
48 1/2 S	-10	0	-10	465	100	25
49 1/2 S	-10	-2	-12	475	100	30
50 1/2 S	-10	-2	-12	485	100	30

Sta	1830 cps			min Sta	out of phase	
	1	2	R		max	min
14 1/2 S	-2	-12	-14	175	100	25
13 1/2 S	-2	-10	-12	165	100	25
12 1/2 S	-2	-12	-14	155	100	25
11 1/2 S	-2	-12	-14	145	100	30
10 1/2 S	0	-14	-14	135	100	30
9 1/2 S	+2	-16	-14	125	100	20
8 1/2 S	+4	-16	-12	115	100	20
7 1/2 S	+6	-14	-8	105	100	20
6 1/2 S	+2	-10	-8	95	100	25
5 1/2 S	+2	-12	-10	85	100	25
4 1/2 S	0	-12	-12	75	100	25
3 1/2 S	0	-10	-10	65	100	20
2 1/2 S	0	-10	-10	55	100	20
1 1/2 S	0	-8	-8	45	100	20
1/2 S	0	-8	-8	35	100	25

$18\frac{1}{2}S$	+14	-16	-2	5	85
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$17\frac{1}{2}S$	+8	-14	-6	5	90
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$16\frac{1}{2}S$	+10	-6	-4	5	90
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$15\frac{1}{2}S$	+6	-8	-2	10	90
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Sta	P 30 cps			Min Sta	out of phase	
	1	2	R		max	min
31 1/2 S	-14	+4	-10	345	100	25
30 1/2 S	-14	+8	-6	335	100	25
29 1/2 S	-10	-4	-14	325	100	25
28 1/2 S	0	-10	-10	315	100	20
27 1/2 S	+10	-12	-2	305	100	20
26 1/2 S	+14	-16	-2	295	100	25
25 1/2 S	+14	-22	-8	285	100	25
24 1/2 S	+14	-24	-10	275	100	25
23 1/2 S	+14	-26	-12	265	100	25
22 1/2 S	+14	-26	-12	255	100	25
21 1/2 S	+16	-26	-10	245	100	25
20 1/2 S	+14	-24	-10	235	100	25
19 1/2 S	+12	-22	-10	225	100	25
18 1/2 S	+10	-22	-12	215	100	25
17 1/2 S	+8	-22	-14	205	100	25
16 1/2 S	+6	-14	-8	195	100	25
15 1/2 S	+2	-14	-12	185	100	25

	390925				
	1	2	R		
47½5	0	-4	-4	5	100
46½25	+2	-6	-4	10	100
45½25	+4	-6	-2	5	90
44½25	+4	-6	-2	5	85
43½25	0	-8	-8	10	90

Sta	1830 cps			min Sta	out of phase	
	1	2	R		max	min
LINE 40E						
47½S	-4	-8	-12	505	100	25
46½S	-4	-8	-12	495	100	25
45½S	-4	-8	-12	485	100	25
44½S	0	-12	-12	475	100	30
43½S	0	-14	-14	465	100	30
42½S	0	-8	-8	455	100	25
41½S	0	-6	-6	445	100	20
40½S	-4	-6	-10	435	100	15
39½S	-6	-2	-8	425	100	20
38½S	-12	-2	-14	415	100	20
37½S	-10	0	-10	405	100	20
36½S	-10	+4	-6	395	100	20
35½S	-10	+2	-8	385	100	25
34½S	-10	+4	-6	375	100	25
33½S	-12	+6	-6	365	100	20
32½S	-14	+8	-6	355	100	20

Stn	1830 cps			min Stn	out of phase	
	1	2	P		max	min
30½5	+2	-10	-8	285	100	10
31½5	+8	-10	-2	295	100	15
32½5	+8	-14	-6	305	100	15
33½5	+10	-10	0	315	100	15
34½5	+6	-4	-2	325	100	15
35½5	0	-4	-4	335	100	10
36½5	-2	-2	-4	345	100	10
37½5	-4	0	-4	355	100	15
38½5	-4	0	-4	365	100	20
39½5	-6	-2	-8	375	100	20
40½5	-8	-4	-12	385	100	20
41½5	-8	-2	-10	395	100	20
42½5	-6	-2	-8	405	100	20
43½5	-8	+2	-6	415	100	20
44½5	-8	+2	-6	425	100	20
45½5	-10	+2	-8	435	100	25
46½5	-8	+2	-6	445	100	20
47½5	-6	+2	-4	455	100	20

	390 cps			out of phase	
	1	2	R	max	min
17 1/25	-14	+12	-2	80	15
18 1/25	-14	+12	-2	85	15
19 1/25	-18	+12	-6	90	5
20 1/25	-20	+8	-12	90	5
21 1/25	-16	+14	-2	85	15
22 1/25	-20	+12	-8	90	15
23 1/25	-20	+18	-2	85	15
24 1/25	-20	+12	-8	85	15
25 1/25	-16	+8	-8	85	15
26 1/25	-20	+8	-12	90	15
27 1/25	-10	+2	-8	85	15

Sta	1830cp			min with	out of phase	
	1	2	3		max	min
53½ S	-16	+2	-14	565	100	25
52½ S	-20	+4	-16	555	100	38
51½ S	-20	+4	-16	545	100	35
50½ S	-20	+2	-18	535	100	40
49½ S	-16	-2	-18	525	100	40
48½ S	-16	-12	-28	515	100	46
47½ S	-14	-14	-28	505	100	35
46½ S	-12	-16	-28	495	100	45
45½ S	-8	-16	-24	485	100	45
44½ S	-8	-16	-24	475	100	40
43½ S	-12	-10	-22	465	100	40
42½ S	-12	-10	-22	455	100	40
41½ S	-14	-10	-24	445	100	40
40½ S	-16	-12	-28	435	100	30

Sta	1830 cps			min Sta	out of phase	
	1	2	R		max	min
70 1/2 S	+16	-22	-6	735	100	20
69 1/2 S	+18	-22	-4	725	100	20
68 1/2 S	+16	-22	-6	715	100	20
67 1/2 S	+18	-22	-4	705	100	20
66 1/2 S	+14	-20	-6	695	100	25
65 1/2 S	+14	-20	-6	685	100	25
64 1/2 S	+14	-20	-6	675	100	25
63 1/2 S	+12	-20	-8	665	100	25
62 1/2 S	+12	-18	-6	655	100	25
61 1/2 S	+10	-16	-6	645	100	30
60 1/2 S	+8	-18	-10	635	100	30
59 1/2 S	+8	-18	-10	625	100	30
58 1/2 S	+6	-22	-16	615	100	25
57 1/2 S	+6	-20	-14	605	100	30
56 1/2 S	+8	-16	-8	595	100	35
55 1/2 S	-4	+2	-16	585	100	40
54 1/2 S	-14	-4	-18	575	100	35

July 22 1972

Weather: Overcast
Cold & wet

OPERATORS: G. SARGEANT

B PROCHNICKI

CAPPA GRID

LINE 104E

STN.	1830 CAPS			min STN	out of phase	
	1	2	R		max	min
82½ S	-2	-4	-6	855	100	25
81½ S	-4	-8	-12	845	100	30
80½ S	-6	-10	-16	835	100	30
79½ S	-4	-6	-10	825	100	30
78½ S	-4	-10	-14	815	100	30
77½ S	-2	-12	-14	805	100	30
76½ S	+2	-12	-10	795	100	30
75½ S	+6	-14	-8	785	100	25
74½ S	+12	-18	-6	775	100	20
73½ S	+12	-20	-8	765	100	25
72½ S	+14	-20	-6	755	100	25
71½ S	+16	-20	-4	745	100	20

Sta	1830 cps			min Sta	out of phase	
	1	2	R		max	min
66 1/2 S	+16	-32	-16	69 S	100	30
65 1/2 S	+16	-32	-16	68 S	100	30
64 1/2 S	+20	-32	-12	67 S	100	35
63 1/2 S	+22	-30	-12	66 S	100	40
62 1/2 S	+14	-30	-16	65 S	100	40
61 1/2 S	+10	-30	-20	64 S	100	40
60 1/2 S	+10	-32	-12	63 S	100	40
59 1/2 S	+10	-30	-20	62 S	100	40
58 1/2 S	+4	-30	-26	61 S	100	40
57 1/2 S	+2	-22	-20	60 S	100	40
56 1/2 S	-14	-18	-32	59 S	100	45
55 1/2 S	-18	-8	-26	58 S	100	40
54 1/2 S	-18	-8	-26	57 S	100	30
53 1/2 S	-20	-6	-26	56 S	100	40
52 1/2 S	-22	-6	-28	55 S	100	40
51 1/2 S	-22	-6	-28	54 S	100	30
50 1/2 S	-18	-8	-26	53 S	100	40

Sta	1830005			min Sta.	out of phase	
	1	2	R		max	min
LINE 96 E						
82 1/2 S	-4	-4	-8	855	100	20
81 1/2 S	-4	-6	-10	845	100	25
80 1/2 S	-4	-8	-12	835	100	25
79 1/2 S	-6	-8	-14	825	100	25
78 1/2 S	0	-6	-6	815	100	26
77 1/2 S	0	-8	-8	805	100	25
76 1/2 S	0	-10	-10	795	100	30
75 1/2 S	-2	-12	-14	785	100	30
74 1/2 S	+2	-12	-10	775	100	25
73 1/2 S	+6	-12	-6	765	100	30
72 1/2 S	+6	-16	-10	755	100	25
71 1/2 S	+8	-20	-12	745	100	30
70 1/2 S	+10	-22	-12	735	100	30
69 1/2 S	+14	-22	-8	725	100	30
68 1/2 S	+14	-26	-12	715	100	30
67 1/2 S	+14	-26	-12	705	100	30

Sta.	1830 cps			min Sta.	out of phase	
	1	2	R		max	min
56 1/2 S	-24	-2	-26	54.5	100	40
57 1/2 S	-26	+4	-22	55.5	100	40
58 1/2 S	-26	+4	-22	56.5	100	30
59 1/2 S	-28	+8	-20	57.5	100	30
60 1/2 S	-30	+8	-22	58.5	100	30
61 1/2 S	-30	+8	-22	59.5	700	25
62 1/2 S	-32	+10	-22	60.5	100	30
63 1/2 S	-26	+8	-18	61.5	100	35
64 1/2 S	-24	+4	-20	62.5	100	30
65 1/2 S	-26	0	-26	63.5	100	30
66 1/2 S	-24	-2	-26	64.5	100	40
67 1/2 S	-24	+2	-22	65.5	100	40
68 1/2 S	-26	+2	-24	66.5	100	45
69 1/2 S	-20	-2	-22	67.5	100	40
70 1/2 S	-18	-2	-20	68.5	100	45
71 1/2 S	-14	-4	-18	69.5	100	40
72 1/2 S	-14	0	-14	70.5	100	40

Sta.	1830095			min 5th	out of max phase min	
	1	2	R			
LIVE	88E					
40 1/2 S	-20	-12	-32	385	100	35
41 1/2 S	-20	-12	-32	395	100	40
42 1/2 S	-18	-10	-28	405	100	40
43 1/2 S	-14	-10	-24	415	100	40
44 1/2 S	-10	-10	-20	425	100	40
45 1/2 S	-10	-10	-20	435	100	40
46 1/2 S	-14	-12	-26	445	100	40
47 1/2 S	-12	-10	-22	455	100	40
48 1/2 S	-14	-10	-24	465	100	40
49 1/2 S	-12	-8	-20	475	100	40
50 1/2 S	-10	-12	-22	485	100	25
51 1/2 S	-8	-18	-26	495	100	40
52 1/2 S	-8	-14	-22	505	100	40
53 1/2 S	-8	-14	-22	515	100	40
54 1/2 S	-10	-6	-16	525	100	40
55 1/2 S	-16	-6	-22	535	100	40

Sta	1830 925			min Sta	out of phase	
	1	2	R		max.	min
68 1/2 S	-20	-4	-24	66.5	100	40
69 1/2 S	-20	-6	-26	67.5	100	45
70 1/2 S	-22	-4	-26	68.5	100	45
71 1/2 S	-20	-4	-24	69.5	100	40
72 1/2 S	-24	-6	-30	70.5	100	45
73 1/2 S	-24	-6	-30	71.5	100	45
74 1/2 S	-20	-4	-24	72.5	100	40
75 1/2 S	-16	-4	-20	73.5	100	40
76 1/2 S	-14	-2	-16	74.5	100	30
77 1/2 S	-10	-2	-12	75.5	100	25
78 1/2 S	-8	-4	-12	76.5	100	25
79 1/2 S	-10	-4	-14	77.5	100	30
80 1/2 S	-10	-6	-16	78.5	100	30
81 1/2 S	-12	-4	-16	79.5	100	30
82 1/2 S	-8	-4	-12	80.5	100	30

Stn	1830 <i>925</i>			min Stn	out of phase	
	1	2	R		max	min
51 1/2 S	-8	-16	-24	49.5	100	40
52 1/2 S	-12	-12	-24	50.5	100	40
53 1/2 S	-16	-4	-20	51.5	100	40
54 1/2 S	-24	+4	-20	52.5	100	40
55 1/2 S	-26	+4	-22	53.5	100	40
56 1/2 S	-26	0	-26	54.5	100	40
57 1/2 S	-28	-2	-30	55.5	100	40
58 1/2 S	-26	+4	-22	56.5	100	40
59 1/2 S	-26	+6	-20	57.5	100	40
60 1/2 S	-24	+6	-18	58.5	100	40
61 1/2 S	-24	+6	-18	59.5	100	40
62 1/2 S	-20	+6	-14	60.5	100	35
63 1/2 S	-20	0	-20	61.5	100	35
64 1/2 S	-20	0	-20	62.5	100	40
65 1/2 S	-20	0	-20	63.5	100	40
66 1/2 S	-20	-4	-24	64.5	100	40
67 1/2 S	-18	-4	-22	65.5	100	40

July 20, 1972 Weather:

OPERATORS: G. SARGEANT

B. PROCHNICKY

CAPPA GRID

LINE 30VE

STN.	1830 cps			min STN.	out of phase	
	1	2	R		max	min
40 1/2 S	-16	-10	-26	38.5	100	40
41 1/2 S	-18	-12	-30	39.5	100	40
42 1/2 S	-24	-6	-30	40.5	100	40
43 1/2 S	-20	-10	-30	41.5	100	40
44 1/2 S	-20	-8	-28	42.5	100	40
45 1/2 S	-16	-6	-22	43.5	100	40
46 1/2 S	-16	-4	-20	44.5	100	40
47 1/2 S	-14	-4	-18	45.5	100	35
48 1/2 S	-12	-8	-20	46.5	100	35
49 1/2 S	-10	-16	-26	47.5	100	40
50 1/2 S	-8	-18	-26	48.5	100	40

(13) 8FS

Stn.	Line	1830 cps			out of phase	
		1	2	R	min	max
2 1/2 S	55	-20	+6	-14	10	100
1 1/2 S	45	-14	+16	+2	10	100
1/2 S	35	-14	+8	-6	10	100

June 17/72

Operators - G. SARGENT Weather -

LINE 48 WNB. PROCHNICKI Sunny + cloudy

Stn.	1830 cps			out of phase		min stn.
	1	2	R	max	min	
1/2 N	-14	0	-14	100	25	3N
1 1/2 N	-16	0	-16	100	25	4N
2 1/2 N	-20	-4	-24	100	25	5N
3 1/2 N	-20	-4	-24	100	25	6N
4 1/2 N	-18	0	-18	100	25	7N
5 1/2 N	-22	-2	-24	85	20	8N
6 1/2 N	-20	-2	-22	90	20	9N
7 1/2 N	-24	-4	-28	90	20	10N
8 1/2 N	-20	-4	-24	90	20	11N

12

390 cps

out of phase

	1	2	R	min	max
	+2	-8	-6	5	100
	+2	-4	-2	10	100
	0	-6	-6	10	100
	0	-10	-10	10	100
	+2	0	+2	10	100
	+2	-4	-2	15	100
	0	-2	-2	5	100
	-2	-4	-6	10	100
	-4	+2	-2	10	100
	-4	-4	0	10	100
	-6	0	-6	10	100
	-8	+2	-6	10	100
	-10	+4	-12	15	100
	-16	+6	-10	5	100
	-18	+12	-6	5	100

⑩

Sta	Line	1830 cps.			out of phase	
		1	2	R	min	max
	8ES					
	min sta 205					100
4 1/2 S		+2	-10	-8	10	100
16 1/2 S	195	+2	-6	-4	10	100
15 1/2 S	185	0	-6	-6	10	100
14 1/2 S	175	0	-6	-6	10	100
13 1/2 S	165	+2	-2	0	10	100
12 1/2 S	155	+2	-6	-4	10	100
11 1/2 S	145	0	-4	-4	5	100
10 1/2 S	135	-2	0	-2	10	100
9 1/2 S	125	-4	0	-4	5	100
8 1/2 S	115	-4	+2	-2	5	100
7 1/2 S	105	-6	+2	-4	10	100
6 1/2 S	95	-8	+2	-6	5	100
5 1/2 S	85	-14	+6	-8	5	100
4 1/2 S	75	-16	+6	-10	10	100
3 1/2 S	65	-18	+10	-8	5	100

(10)

390 cps.

out of phase

1	2	R
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min	max
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-2	-6	-8	5	100
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-2	-6	-8	15	95
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0	-6	-6	5	100
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4	-4	-8	20	100
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+4	-8	-14	5	100
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+10	-14	-4	20	100
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+12	-14	-2	5	100
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+14	-16	-2	10	100
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+10	-14	-4	30	100
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+8	-14	-6	15	100
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+6	-14	-8	15	100
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+6	-8	-2	15	100
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+6	-8	-2	10	100
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+10	-8	-2	20	100
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+12	-8	4	10	100
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(9)

Stn	Line	1830 cps		R	out of phase	
		1	2		max	min
	8FS					
	min stn 355					
32 1/2 S		-2	-8	-10	100	15
31 1/2 S	345	-2	-8	-10	100	15
30 1/2 S	335	0	-10	-10	100	15
29 1/2 S	325	+4	-8	-12	100	15
28 1/2 S	315	+4	-18	-14	100	20
27 1/2 S	305	+10	-16	-6	100	15
26 1/2 S	295	+12	-16	-4	100	10
25 1/2 S	285	+14	-20	-6	100	10
24 1/2 S	275	+10	-18	-8	100	20
23 1/2 S	265	+8	-16	-8	100	15
22 1/2 S	255	+6	-14	-8	100	10
21 1/2 S	245	+6	-6	0	100	10
20 1/2 S	235	+4	-10	-6	100	10
19 1/2 S	225	+6	-10	-4	100	10
18 1/2 S	215	+14	-14	0	100	10

⑧

out of phase

390 cps

	1	2	R	max	min
	-4	-6	-10	10	100
	-4	-6	-10	10	100
	-2	+2	0	10	100
	-4	+2	-2	20	100
	0	+2	2	10	100
	0	+2	2	10	100
	0	+2	2	5	100
	-4	0	-4	10	100
	0	-2	-2	10	100
	-2	+2	0	10	100
	-6	+2	-4	15	100
	-6	+2	-4	20	100
	0	+2	+2	5	100
	-4	-2	-6	5	100
	100	-2	-12	5	100

⑦

Stn	Line	1830 cps.		R	out of phase	
		1	2		max	min
	8ES min stn.					
47 1/2 S	50S	-4	-20	-24	100	5
46 1/2 S	49S	-6	-10	-16	100	10
45 1/2 S	48S	0	+2	+2	100	5
44 1/2 S	47S	-4	+4	+8	100	10
43 1/2 S	46S	0	+2	+2	100	5
42 1/2 S	45S	0	+4	+4	100	5
41 1/2 S	44S	0	0	0	100	10
40 1/2 S	43S	-4	0	-4	100	5
39 1/2 S	42S	-2	-2	-4	100	5
38 1/2 S	41S	-2	+2	0	100	5
37 1/2 S	40S	-8	0	-8	100	10
36 1/2 S	39S	-6	+4	-2	100	10
35 1/2 S	38S	0	+4	+4	100	10
34 1/2 S	37S	-10	-2	-8	100	10
33 1/2 S	36S	-10	-4	-14	100	10

⑥

390 cps.		R	out of phase	
1	2		min	max
-2	-4	-6	5	100
-2	-12	-14	10	10 95
-6	-8	-14	10	95
-6	0	-6	5	100
-4	0	-4	5	100
-4	-6	-10	5	100
0	-6	-6	10	100
-2	-8	-10	5	90
-2	-4	-6	5	90
-4	-4	-8	5	100
0	-2	-8	5	100
0	+2	2	0	100
-6	-2	-8	5	100
-4	-6	-10	10	100
-8	-10	-18	20	100
-2	-10	-12	10	100

⑤

Stn	LINE 50	1830 cps.			out of phase	
		1	2	R	max	min.
32 1/2 S	<u>min. stn</u> 355	0	-10	-10	100	15
33 1/2 S	365	-4	-12	-16 ¹	100	15
34 1/2 S	375	# -6	-14	-20	100	15
35 1/2 S	385	-6	-2	-8	100	15
36 1/2 S	395	-8	-10	-18	100	20
37 1/2 S	405	-2	-8	-10	100	15
38 1/2 S	415	0	-6	-6	100	15
39 1/2 S	425	-7	-2	-4	100	15
40 1/2 S	435	-2	-8	-10	100	10
41 1/2 S	445	-4	-6	-10	100	10
42 1/2 S	455	-6	-8	-14	100	10
43 1/2 S	465	-2	-2	-4	100	15
44 1/2 S	475	-8	-4	-12	100	20
45 1/2 S	485	-2	-8	-10	100	20
46 1/2 S	495	-6	-10	-16	100	20
47 1/2 S	505	-2	10	+8	100	10

④

390 cps.			out of phase	
1	2	R	min.	max.
+4	-6	-2	5	100
+4	-4	0	5	100
+4	-8	-4	5	100
+8	-6	+2	5	100
+8	-14	-6	10	100
+10	-14	-4	10	100
+12	-14	-2	10	100
+16	-16	0	10	100
+16	-16	0	10	100
+14	-20	-6	10	100
+10	-18	-8	20	100
+18	-18	0	15	100
+8	-16	-8	10	100
+6	-16	-10	10	100
-2	-12	-14	10	80
+2	-8	-6	10	100

③

Stn.	LINE 0	1830		R	out of phase	
		1	2		max	min
16½S	min sta 195	+4	-2	+2	100	10
17½S	205	+6	-6	0	100	10
18½S	215	+4	-10	-6	100	10
19½S	225	+8	-6	+2	100	10
20½S	235	+8	-8	0	100	5
21½S	245	+10	-14	-4	100	10
22½S	255	+12	-14	-2	100	10
23½S	265	+16	-18	-2	100	10
24½S	275	+16	-22	-6	100	10
25½S	285	+10	-22	-12	100	10
26½S	295	+12	-18	-6	100	15
27½S	305	+18	-18	0	100	20
28½S	315	+8	-20	-12	100	20
29½S	325	+4	-16	-12	100	20
30½S	335	0	-16	-16	100	20
31½S	345	0	-8	-8	100	20

WEATHER: Clear with

Cloudy Patches

(2)

B. PROCHNICKI

390 cfs.

out of phase

	1	2	R	min	max
@	-14	+4	-10	-10	100
	-10	+4	-6	-10	100
	-16	+3	-13	-10	100
	-16	+12	-4	10	100
	-14	+12	-2	5	100
	-16	+8	-8	5	100
	-16	+6	-10	5	100
	-10	+4	-6	5	100
	-8	+4	-4	5	100
	-18	0	-18	20	100
A	-6	+2	-4	5	100
	-6	-2	-8	5	100
	-2	-4	-6	5	100
	+2	-2	0	5	100
	0	-4	-4	5	100
	44	-2	+2	5	100

DATE - JUNE 16/72

OPERATORS

① GRID - MOOSE LK. G. SARGENT 94

STN	LINE 0.1 min 5in	1830 cps			OUT OF PHASE	
		1	2	R	MAX	MIN
1/25	35	-14	+2	-12	100	20
1 1/25	45	-10	+4	-6	100	10
2 1/25	55	-16	+10	-6	100	10
3 1/25	65	-16	+12	-4	100	10
4 1/25	75	-14	+10	-4	100	5
5 1/25	85	-16	+10	-6	100	5
6 1/25	95	-16	+2	-14	100	5
7 1/25	105	-10	0	-10	100	5
8 1/25	115	-6	+2	-4	100	5
9 1/25	125	-16	0	-16	100	20
10 1/25	135	-6	0	-6	100	5
11 1/25	145	-4	+4	0	100	5
12 1/25	155	-2	-6	-8	100	5
13 1/25	165	+2	-4	-2	100	10
14 1/25	175	0	-6	-6	100	10
15 1/25	185	+4	-6	-2	100	10

DIP ANGLE

FIELD STRENGTH

Stn	DIP ANGLE		RESULT	FIELD STRENGTH	
	1	2		1	2
L 96 R 2	+2	-14	-12	35	15
<hr/>					
L 104 W					
1/2 N	-10	-18	-28	25	25
1 1/2 S	-12	-14	-26	25	25
2 1/2 S	-12	-14	-26	30	25
3 1/2 S	-14	-14	-28	30	25
4 1/2 S	-16	-4	-20	15	15
5 1/2 S	-16	0	-16	20	20
6 1/2 S	-16	-2	-18	20	25
7 1/2 S	-16	-2	-18	25	30
8 1/2 S	-20	-4	-24	35	30
9 1/2 S	-22	-2	-24	35	30
10 1/2 S	-24	+4	-20	30	25
11 1/2 S	-22	+4	-18	25	20
12 1/2	-24	+8	-16	20	20
13 1/2	-26	+14	-12	20	25

Sta	DIP ANGLES		RESULT	FIELD STRENGTH	
	1	2		1	2
4½N	-20	-4	-24	30	20
3½N	-20	0	-20	30	20
3½N	-20	-4	-24	35	20
4½N	-18	-14	-32	30	20
3½N	-20	-12	-32	30	20
4½S	-16	-10	-26	30	20
1½S	-12	-14	-26	30	20
2½S	-10	-12	-22	30	10
3½	-6	-16	-22	35	20
4½	-4	-20	-24	30	20
5½	0	-22	-22	30	20
6½	+6	-15	-9	30	20
8½	+8	-22	-14	30	15
8½	+8	-22	-14	30	15
9½	+8	-24	-16	40	10
10½	+8	-20	-12	35	15
12½	+10	-18	-8	35	15

STN	DIP ANGLES			FIELD STRENGTH	
	1	2	resultant	1	2
96W 21½N	18	-30	-22	50	25.50%
20½N	-2	-30	-32	60	25
19½N	-8	-24	-32	55	15
18½N	-12	-20	-32	45	35
17½N	-12	-16	-28	45	35
16½N	-16	-12	-28	45	35
15½N	-22	-14	-36	55	25
14½N	-22	-14	-36	55	25
13½N	-20	-14	-34	45	30
13½N	-20	-18	-38	40	20
12½N	-16	-26	-42	45	25
10½N	-8	-34	-42	40	25
9½N	-8	-24	-32	50	15
8½N	-6	-24	-30	50	25
7½N	-10	-22	-32	50	25
6½N	-16	-14	-30	40	30
5½N	-20	-8	-28	40	30

STN	DIP ANGLES			FIELD STRENGTH	
	1	2	resultant	1	2
18 1/2 N	-6	-10	-16	40	30
19 1/2 N	-4	-12	-16	40	30
20 1/2 N	-4	-18	-22	50	20
21 1/2 N	+8	-26	-18	50	20
22 1/2 N	+14	-30	-16	45	20
23 1/2 N	+12	-34	-22	40	20
24 1/2 N	+16	-28	-12	40	25
25 1/2 N	+4	-24	-20	40	20
26 1/2 N	+2	-16	-14	45	10
27 1/2 N	-6	-8	-14	40	15

L 96 WN	DIP ANGLES			FIELD STRENGTH	
	1	2	RESULT	1	2
27 1/2 N	-16	-6	-22	50	15
26 1/2 N	-8	-12	-20	55	20
25 1/2 N	-10	-20	-30	55	30
24 1/2 N	+7	-28	-26	50	35
23 1/2 N	+12	-32	-20	45	30
22 1/2 N	+10	-30	-20	50	25

STN	DIP		ANGLES		FIELD	STREN
	1.	2.	RESULT.	7.	2.	
L104W						
1 1/2 N	+20	-11	-4	55	35	
2 1/2 N	-20	-9	-29	50	135	
3 1/2 N	-18	-2	-20	55	135	
4 1/2 N	-22	-8	-29	55	130	
5 1/2 N	-27	-9	-33	55	130	
6 1/2 N	-20	-8	-8	55	135	
7 1/2 N	-18	-12	-120	55	30	
8 1/2 N	-20	-8	-23	55	135	
9 1/2 N	-14	-3	-24	55	130	
10 1/2 N	-16	-10	-26	55	30	
11 1/2 N	-12	-10	-12	55	130	
12 1/2 N	-12	-2	-24	50	135	
13 1/2 N	-10	-16	-26	50	30	
14 1/2 N	-8	-14	-22	50	130	
15 1/2 N	-8	-2	-2	45	130	
16 1/2 N	-8	-12	-25	40	130	
17 1/2 N	-6	-10	-16	40	130	

Sta	1830cp ²			min Sta	out of phase	
	1	2	R		max	min
13½ S	-10	+2	-8	115	100	25
14½ S	-12	+2	-10	125	100	25
15½ S	-14	+4	-10	135	100	25
16½ S	-16	+8	-8	145	100	25
17½ S	-18	+8	-10	155	100	30
18½ S	-20	+8	-12	165	100	30
19½ S	-24	+10	-14	175	100	35
20½ S	-20	+10	-10	185	100	30
21½ S	-20	+10	-10	195	100	35
22½ S	-22	+12	-10	205	100	35
23½ S	-24	+12	-12	215	100	30
24½ S	-24	+12	-12	225	100	30
25½ S	-22	+10	-12	235	100	35
26½ S	-20	+10	-10	245	100	35
27½ S	-16	+4	-12	255	100	30
28½ S	-8	0	-8	265	100	25
29½ S	0	-4	-4	275	100	20

out of phase

390cps

	1	2	R	max	min
$\frac{1}{2}S$	-2	-4	-6	85	15
$1\frac{1}{2}S$	-4	-2	-6	80	20
$2\frac{1}{2}S$	-2	-2	-4	85	15
$3\frac{1}{2}S$	0	-2	-2	85	5
$4\frac{1}{2}S$	-6	-2	-8	85	20
$5\frac{1}{2}S$	-8	0	-8	90	15

July 18, 1972

Weather: Overcast

Operator: G. SARGENT AND BROCHNICKY

MOOSE LN GRID

LINE	32 F			min stn	out of phase	
	1	2	R		max	min
1/2 S	-10	-10	-20	2N	100	35
1 1/2 S	-12	-6	-18	1N	100	30
2 1/2 S	-10	-6	-16	0	100	25
3 1/2 S	-8	-6	-14	15	100	25
4 1/2 S	-8	-4	-12	25	100	25
5 1/2 S	-8	-4	-12	35	100	30
6 1/2 S	-8	0	-8	45	100	25
7 1/2 S	-8	-2	-10	55	100	25
8 1/2 S	-8	-2	-10	65	100	25
9 1/2 S	-8	-2	-10	75	100	25
10 1/2 S	-6	-2	-8	85	100	25
11 1/2 S	-6	0	-6	95	100	25
12 1/2 S	-10	+2	-8	105	100	25

390 cps			out of	
1	2	R	max	phase min
-6	-2	-8	100	20
-6	-4	-10	100	20
0	-6	-6	100	20
+6	-16	-10	100	20
+10	-24	-14	100	20
+14	-30	-16	100	20
+14	-30	-16	100	20
+10	-28	-18	100	20
+10	N	-	100	20
+10	-22	-12	100	20
+10	-24	-14	100	20
+10	-26	-16	100	20

Stn.	1830 cps			min Stn	out of phase	
	1	2	R		min	min
40½N	-10	-6	-16	53N	100	20
39½N	-6	-10	-16	42N	100	15
38½N	-4	-14	-18	41N	100	20
37½N	0	-20	-20	40N	100	20
36½N	+8	-26	-18	39N	100	15
35½N	+12	-32	-20	38N	100	20
34½N	+12	-32	-20	37N	100	20
33½N	+6	-24	-18	36N	100	20
32½N	+10	-26	-16	35N	100	20
31½N	+10	-22	-12	34N	100	20
30½N	+10	-28	-18	33N	100	20
29½N	+10	-26	-16	32N	100	20

<u>390 cps</u>			out of phase	
1	2	R	max	min
-6	N	-	100	15
-6	-4	-10	100	15
0	-4	-4	100	15
0	-2	-2	100	10
0	-2	-2	100	15
0	-2	-2	90	20
0	-8	-8	100	15
+4	-10	-6	100	10
+10	-12	-2	100	10
+12	-18	-6	100	10
+14	-22	-8	90	10
+10	-16	-6	90	10
+6	-8	-2	90	15
-4	+2	-2	90	15
-10	0	-10	100	20
-10	0	-10	90	20
-6	-2	-8	100	20

LINE	136W			min Stn	out of phase	
	1	2	R		max	min
57½N	-6	-2	-8	60N	100	15
56½N	-6	-6	-12	59N	100	20
55½N	0	-4	-4	58N	100	15
54½N	-4	-4	-8	57N	100	20
53½N	0	-4	-4	56N	100	20
52½N	0	-6	-6	55N	105	20
51½N	0	-8	-8	54N	100	20
50½N	+2	-12	-10	53N	100	20
49½N	+12	-14	-2	52N	100	10
48½N	+12	-18	-6	51N	100	10
47½N	+14	-20	-6	50N	100	10
46½N	+14	-18	-4	49N	100	10
45½N	+6	-14	-12	48N	100	10
44½N	-4	-4	-8	47N	100	15
43½N	-14	-4	-18	46N	100	20
42½N	-10	-4	-14	45N	100	20
41½N	-10	-8	-18	44N	100	20

390 cps			OUT	of
1	2	R	max	phase
				min
-4	-3/0	-8	100	20
-10	N	—	100	20
-14	+6	-8	100	20
-14	+6	-8	90	15
-12	+2	-12	100	20
-8	N	—	100	20
-10	N	—	100	20
-8	+6	-2	100	20
-8	+2	-6	100	20
-6	-2	-8	80	15
-4	N	—	80	20
-2	-2	-4	90	20
-4	N	—	90	20

Sta	1830 cps			min Sta	out of phase	
	1	2	R		max	min
45½N	-12	-10	-22	43N	100	20
46½N	-14	-8	-22	44N	100	20
47½N	-14	-4	-18	45N	100	20
48½N	-14	-4	-18	46N	100	20
49½N	-14	-2	-16	47N	100	20
50½N	-14	-2	-16	48N	100	25
51½N	-10	0	-10	49N	100	20
52½N	-8	-4	-12	50N	100	20
53½N	-8	-4	-12	51N	100	20
54½N	-6	-2	-8	52N	100	25
55½N	-6	-4	-10	53N	100	20
56½N	-2	-2	-4	54N	100	20
57½N	-4	-2	-6	55N	100	20

390 cps			out of phase	
1	2	R	max	min
-34	N	-	85	25
-38	N	-	80	10
-48	N	-	75	5
-46	+42	-4	75	10
-34	+22	-12	90	10
-32	+12	-20	90	15
-14	0	-14	100	30
0	-12	-12	100	20
+4	-14	-10	100	10
-4	-10	-14	85	25
-10	N	-	100	20
-20	N	-	100	20
-20	0	-20	85	20
-16	+2	-14	85	20
-10	-4	-14	100	25
-2	-6	-8	90	25

LINE 128 N

Sta	1830 cps			min Sta	out of phase	
	1	2	R		max	min
29½ N	-38	+12	-26	27N	100	20
30½ N	-40	+16	-24	28N	100	10
31½ N	-48	+26	-22	29N	100	10
32½ N	-46	+34	-12	30N	100	15
33½ N	-34	+18	-16	31N	100	10
34½ N	-32	+6	-26	32N	100	10
35½ N	-18	-8	-26	33N	100	20
36½ N	-4	-16	-20	34N	100	20
37½ N	+4	-18	-14	35N	100	10
38½ N	-4	-12	-16	36N	100	15
39½ N	-20	-6	-26	37N	100	25
40½ N	-28	-2	-30	38N	100	20
41½ N	-20	-2	-22	39N	100	15
42½ N	-20	-4	-24	40N	100	20
43½ N	-14	-10	-24	41N	100	20
44½ N	-12	-10	-22	42N	100	20

390cps			out of phase	
1	2	R	max	min
-4	-26	-30	70	30
+2	-26	-28	75	30
0	-20	-20	85	25
0	-18	-18	75	25
0	-16	-16	80	25
-2	N	-	85	20
-4	-10	-14	85	20
0	N	-	100	25
+2	-16	-14		25
+6	-24	-18	80	20
+8	-28	-20	80	20
+10	-32	-22	80	20
+10	-34	-24	80	20

Sta	1830 cps			min sta	out of phase	
	1	2	R		max	min
41½N	-4	-34	-38	44N	100	30
40½N	0	-34	-34	43N	100	75
39½N	0	-28	-28	42N	100	75
38½N	-4	-28	-32	41N	100	75
37½N	-4	-24	-28	40N	100	70
36½N	-10	-16	-26	39N	100	75
35½N	-10	-16	-26	38N	100	75
34½N	-2	-16	-18	37N	100	70
33½N	0	-20	-20	36N	100	20
32½N	0	-26	-26	35N	100	20
31½N	+4	-32	-28	34N	100	70
30½N	+6	-36	-30	33N	100	20
29½N	+12	-38	-26	32N	100	20

<u>370 cps</u>			out of phase	
1	2	R	max	min
-2	-2	-4	80	20
-2	-4	-6	80	20
-2	-8	-10	90	20
0	-10	-10	80	20
-2	-12	-14	90	25
N	-14	—	—	—
-8	-12	-20	100	25
-12	-10	-22	80	25
-16	-6	-22	80	25
-10	-6	-16	70	25
-16	-6	-22	80	25
-16	-10	-26	90	30
-18	-12	-30	80	20
-10	-16	-26	90	20
-8	-20	-28	80	25
-6	-18	-24	80	20

LINE 120W

Sta	1830 cps			min Sta	out of phase	
	1	2	R		max	min
57½N	-8	-2	-10	60N	100	20
56½N	-8	-6	-14	59N	100	30
55½N	-8	-12	-20	58N	100	35
54½N	-8	-10	-18	57N	100	25
53½N	-8	-16	-24	56N	100	30
52½N	-6	-24	-30	55N	100	30
51½N	-14	-28	-42	54N	100	30
50½N	-16	-24	-40	53N	100	25
49½N	-24	-18	-42	52N	95	40 ^{40°}
48½N	-26	-18	-44	51N	90	25 ^{30°}
47½N	-30	-18	-48	50N	90	25 ^{30°}
46½N	-34	-26	-60	49N	100	35
45½N	-26	-28	-54	48N	100	30
44½N	-16	-26	-42	47N	100	25
43½N	-14	-28	-42	46N	100	15
42½N	-8	-26	-34	45N	100	15

<u>390 cps</u>			out of phase	
1	2	R	max	min
-32	+6	-26	100	30
-30	+6	-24	100	20
-30	+4	-26	80	30
-34	-2	-36	80	25
-30	-6	-36	100	20
-30	-10	-40	100	35
-36	-10	-46	100	30
-30	N	—	80	30
-20	-6	-26	65	15
-25	-6	-31	60	20
N	N	—	—	—
N	N	—	—	—
N	N	—	—	—
-22	N	—	60	20
-18	-12	-30	65	15
-20	-6	-26	70	25
-16	+4	-12	100	15

Sta	1830 cps			min Sta	out of phase	
	1	2	R		max	min
36½N	-40	-6	-46	34N	100	10
37½N	-38	-8	-46	35N	100	15
38½N	-40	-8	-48	36N	100	10
39½N	-38	-10	-48	37N	100	10
40½N	-38	-16	-54	38N	100	25
41½N	-42	-20	-62	39N	100	33
42½N	-44	-30	-74	40N	100	30
43½N	-46	-36	-82	41N	80	30 ⁴⁰
44½N	-44	-34	-78	42N	30	5 ¹⁰
45½N	-44	-20	-64	43N	40	5 ¹⁰
46½N	-60	-26	-86	44N	40	20 ⁵⁰
47½N	-64	-28	-92	45N	60	30 ¹⁰
48½N	-34	-46	-100	46N	80	30 ⁴⁰
49½N	-36	-54	-90	47N	70	30 ⁴⁰
50½N	-26	-42	-68	48N	80	25 ⁴⁰
51½N	-36	-26	-72	49N	90	35
52½N	-36	-16	-52	50N	100	30

390 cps			out of phase	max	min
1	2	R			
-30	+16	-14	90	15	
-26	+20	-6	90	15	
-26	+20	-6	90	15	
-26	+20	-6	85	15	
-26	+20	-6	85	15	
-28	+24	-4	85	15	
-32	+18	-14	85	20	
-28	+18	-10	70	20	
-30	+18	-12	80	20	
-32	+14	-18	100	30	
-36	+12	-24	90	20	
-40	+12	-28	80	20	
-36	+8	-28	80	15	
-30	+6	-24	80	15	

July 13, 1972

WEATHER: SUNNY
+ CLOUDY

OPERATORS: G. SARGEANT
B. PROCHNICKI

GRID LINE	NASTY LAKE		1830 cps	min	out of phase	
	1	2			max	min
112W STN			R	STN.		
22½N	-30	+18	-12	20N	100	30
23½N	-26	+16	-10	21N	100	30
24½N	-26	+16	-10	22N	100	30
25½N	-26	+12	-14	23N	100	30
26½N	-28	+12	-16	24N	100	30
27½N	-30	+10	-20	25N	100	20
28½N	-32	+16	-18	26N	100	35
29½N	-46	+18	-28	27N	90	50 ^{SS}
30½N	-54	+16	-38	28N	100	40
31½N	-46	+4	-42	29N	100	15
32½N	-40	0	-40	30N	100	20
33½N	-40	-2	-42	31N	100	15
34½N	-40	-4	-44	32N	100	15
35½N	-40	-6	-46	33N	100	15

390 cps

out of phase
max min

1 2 R

1	+20	-22	-2	75	5
	+16	-22	-6	75	5
	+14	-20	-6	75	5

390 cps

				out of phase	
1	2	R	max	min	

-10	-32	-42	100	35	
-8	-30	-38	100	40	
-10	-26	-36	100	40	
-12	-30	-42	100	25	
-6	-32	-38	100	35	
-2	-40	-42	100	30	
0	-34	-34	100	40	
+2	-42	-40	80	25	
+4	-46	-42	70	20	
+20	-50	-30	70	10	
+30	-38	-8	65	15	
+30	-36	-6	70	5	
+32	-34	-2	65	10	
+20	-34	-14	65	15	
+12	-32	-20	100	20	
+20	-30	-10	80	10	
+24	-26	-2	80	10	

Sta	1830 cps			min Sta	out of phase	
	1	2	R		max	min
41½ N	-40	-58	-98	44 N	100	20
40½ N	-32	-46	-78	43 N	100	30
39½ N	-26	-44	-70	42 N	100	30
38½ N	-24	-44	-68	41 N	100	45
37½ N	-16	-48	-64	40 N	100	35
36½ N	-12	-50	-62	39 N	100	20
35½ N	-12	-52	-64	38 N	100	35
34½ N	-16	-56	-72	37 N	100	40
33½ N	-4	-66	-70	36 N	60	20
32½ N	+30	-74	-44	35 N	60	30
31½ N	+40	-74	-34	34 N	45	15
30½ N	+36	-64	-28	33 N	45	10 ^{10%}
29½ N	+34	-44	-10	32 N	55	5 ^{10%}
28½ N	+14	-38	-24	31 N	95	30
27½ N	+12	-34	-22	30 N	100	30
26½ N	+14	-34	-20	29 N	100	15
25½ N	+20	-26	-6	28 N	100	15

3120
39

390cps

out of phase
max min

	1	2	R		
	+10	-18	-8	100	15
	+12	-16	-4	100	10
	0	-16	-16	100	30
	-2	-16	-18	100	25
	-8	-14	-22	100	5
	-14	-18	-32	90	40
	N	-20	N	—	—
	N	-22	—	—	—
	N	-16	—	—	—
	N	-22	—	—	—
	N	-24	—	—	—
	-20	N	—	70	25
	-10	-34	-44	70	25
	-10	-30	-40	80	30
	-10	-34	-44	70	25
	-12	-30	-42	80	25

L Stn	1830 cps			min Stn	out of phase	
	1	2	R		max	min
LINE - 104 W						
57½N	+8	-18	-10	60N	100	20
56½N	+6	-24	-18	59N	100	25
55½N	-6	-24	-30	58N	100	35
54½N	-14	-24	-38	57N	100	35
53½N	-28	-28	-56	56N	100	30
52½N	-32	-30	-62	55N	100	30
51½N	-44	-40	-84	54N	100	35
50½N	-46	-46	-92	53N	70	25 ^{35%}
49½N	-48	-58	-106	52N	50	25
48½N	-50	-66	-116	51N	45	10 ^{20%}
47½N	-54	-64	-118	50N	50	30 ₆₀
46½N	-50	-74	-124	49N	30	5 ^{15%}
45½N	-46	-72	-118	48N	25	5 ^{20%}
44½N	-34	-66	-100	47N	25	5 ^{20%}
43½N	-40	-64	-104	46N	33	5 ¹⁵
42½N	-40	-52	-92	45N	45	15 ₃₅

<u>399 cps</u>			out of phase	
1	2	R	max	min
-26	+16	-10	80	25
-26	+18	-8	80	15
-26	+14	-12	80	15
-28	+14	-14	85	15
-28	+18	-8	85	20
-28	+10	-18	85	30
-32	+10	-22	85	25
-36	N	—	90	15
-38	+8	-30	80	15
-28	+6	-12	70	15
-26	+6	-20	70	15
-26	+6	-20	70	15
-22	+6	-16	70	15
-28	-4	-32	100	20
-20	-4	-24	100	25
-18	0	-18	100	25
-12	+2	-14	100	15

Sta.	1830 cps			min sta	out of phase	
	1	2	R		max	min
35½N	-32	+10	-22	33N	100	40
36½N	-36	+4	-22	34N	100	33
37½N	-40	0	-40	35N	100	25
38½N	-34	-4	-38	36N	100	25
39½N	-36	-4	-40	37N	100	35
40½N	-42	-12	-54	38N	100	30
41½N	-48	-12	-60	39N	100	45
42½N	-50	-16	-66	40N	80	50
43½N	-64	-24	-88	41N	80	40
44½N	-56	-28	-84	42N	50	30
45½N	-48	-28	-76	43N	55	25
46½N	-38	-24	-62	44N	60	10
47½N	-38	-28	-66	45N	70	35
48½N	-32	-34	-66	46N	100	45
49½N	-26	-28	-54	47N	100	40
50½N	-26	-20	-46	48N	100	30
51½N	-20	-14	-34	49N	100	30

390 cps

out of
phase

	1	2	R	max	min
	-24	+22	-2	100	5
	-24	+20	-4	100	20
	-22	+24	+2	100	15
	-24	+20	-4	100	15
	-22	+18	-4	100	15
	-20	+24	+4	100	15
	-20	+22	+2	100	15
	-26	+28	+2	100	5
30%	-32	+28	-4	95	5
	-32	+26	-6	80	15 ₂₀
	-30	+24	-6	75	15
	-26	+16	-10	75	15
	-22	+14	-8	75	15 _{20%}

July 12, 1972

WEATHER

SUNNY

WITH FEW CLOUDS

OPERATORS - G. SARGEANT
B. PROCHNICKI

PERIODS

GRID - NASTY LAKE

LINE - 96W

1830 cps

Sta

1

2

R

min
Sta.out of
phase
max min

22½N	-24	+20	-4	20N	100	20
23½N	-26	+18	-8	21N	100	30
24½N	-26	+22	-4	22N	100	15
25½N	-24	+20	-4	23N	100	20
26½N	-24	+18	-6	24N	100	30
27½N	-22	+18	-4	25N	100	30
28½N	-24	+20	-2	26N	100	30
29½N	-30	+20	-10	27N	100	25
30½N	-32	+26	-6	28N	100	25
31½N	-34	+24	-10	29N	100	30
32½N	-34	+18	-16	30N	100	20
33½N	-30	+12	-18	31N	100	30
34½N	-28	+8	-20	32N	100	40

390 cps

out of
max phase min

1

2

R

-8

-26

-34

100

20

N

>

Sta	1830 cps			min Sta	out of phase	
	1	2	R		max	min
41 1/2 N	-16	-48	-64	44 N	70	30
40 1/2 N	14			43 N		
39 1/2 N	11			42 N		
38 1/2 N	No signal			41 N		
37 1/2 N				40 N		
36 1/2 N				39 N		
35 1/2 N				38 N		
34 1/2 N				37 N		
33 1/2 N				36 N		
32 1/2 N				35 N		
31 1/2 N				34 N		
30 1/2 N				33 N		
29 1/2 N						

390 cps				out of phase	
	1	2	R	max	min
+	+8	N	—	100	15
	N	N	—	100	—
	+8	-18	-10	100	15
	+2	N	—	100	20
	0	N	—	100	20
	0	N	—	100	15
	-4	N	—	100	5
	-12	-16	-28	100	5
	N	N	—	100	
	-18	N	—	85	25
	N	N	—	—	
	-N	N	—	—	15
	N	N	—	—	
	-10	-26	-36	85	20
	-10	-26	-36	90	30
	-4	-30	-34	90	20

STN	18 30 45			min STN	out of phase	
	1	2	R		max	min
LINE 96WN						
57½N	+4	-16	-12	60N	100	20
56½N	+4	-18	-14	59N	100	20
55½N	+4	-14	-10	58N	100	20
54½N	+2	-12	-10	57N	100	20
53½N	0	-18	-18	56N	100	25
52½N	-4	-14	-18	55N	100	20
51½N	-12	-14	-26	54N	100	20
50½N	-20	-20	-40	53N	100	35
49½N	-24	-26	-50	52N	100	35
48½N	-32	-34	-66	51N	100	30
47½N	-24	-36	-60	50N	65	20
46½N	-24	-36	-60	49N	60	20
45½N	-36	-42	-78	48N	55	35
44½N	-30	-48	-78	47N	60	30
43½N	-18	-62	-80	46N	65	25
42½N	-20	-60	-80	45N	70	20

390 cps

out of
phase
max

min

1

2

R

-16

+4

-12

10

-14

+4

-10

5

-14

0

-14

5

-14

N

-

5

-14

N

-

5

-14

N

-

10

-16

N

-

10

-20

N

-

90

10

-18

N

-

90

15

-16

N

-

100

15

Stn.	1830 cps			min. Stn	out of phase	
	1.	2	R		max	min.
48½N	-16	-4	-20	46N	100	10
49½N	-14	-4	-18	47N	100	5
50½N	-14	0	-14	48N	100	5
51½N	-16	+2	-14	49N	100	5
52½N	-16	+2	-14	50N	100	10
53½N	-14	0	-14	51N	100	10
54½N	-16	+4	-12	52N	100	10
55½N	-20	+4	-16	53N	100	5
56½N	-16	+10	-6	54N	100	10
57½N	-24	+8	-16	55N	100	20

390 95

	1	2	R	out of phase max	of min
	-24	+22	-2	100	5
	-24	+18	-6	100	5
	-24	+18	-6	100	0
	-26	N	—	100	5
	-26	+18	-8	100	5
	-28	+18	-10	100	5
	-32	+22	-10	100	10
	-28	N	—	—	5
	-30	+14	-16	100	15
	-30	10	-20	100	15
	-28	+10	-18	95	5
	-20	+14	-6	95	5
	-20	+14	-6	95	5
	-18	+10	-8	95	15
	—	+6	—	90	—
	-24	N	—	100	20
	-16	+4	-12	100	10

Stn	1830 ^{hrs}			min Stn	out of phase	
	1	2	R		max	min
31½N	-22	+18	-4	29N	100	5
32½N	-24	+16	-8	30N	100	10
33½N	-24	+20	-4	31N	100	5
34½N	-26	+24	-2	32N	100	10
35½N	-30	+18	-12	33N	100	20
36½N	-32	+18	-14	34N	100	5
37½N	-36	+18	-14	35N	100	30
38½N	-40	+16	-24	36N	100	30
39½N	-40	+10	-30	37N	100	35
40½N	-40	0	-40	38N	100	40
41½N	-34	+2	-32	39N	100	40
42½N	-28	+6	-22	40N	80	10
43½N	-22	+8	-14	41N	80	20
44½N	-22	+12	-10	42N	80	35
45½N	-44	-2	-46	43N	90	40
46½N	-30	-14	-44	44N	100	30
47½N	-24	-10	-34	45N	100	10

<u>390 cps</u>			out of phase	
1	2	R	max	min
-24	+24	0	100	0
-28	+26	-2	100	0
-28	+24	-4	100	0
-34	+28	-6	100	0
-34	+24	-10	100	0
-30	+24	-6	100	0
-30	+24	-6	100	0
-26	+22	-4	100	0
-24	+22	-2	100	0
-24	+14	-10	100	0
-16	+14	-2	100	0
-14	+6	-8	100	5
-16	+6	-10	100	5
-18	+14	-4	100	0
-20	+14	-6	100	5

JUNE 28, 1972

LINE 88W

Stn	1830 cps			min Stn	out of phase	
	1	2	R		max	min
16½N	-24	+22	-2	14N	100	0
17½N	-28	+20	-8	15N	100	0
18½N	-28	+24	-4	16N	100	0
19½N	-32	+26	-6	17N	100	0
20½N	-34	+26	-8	18N	100	0
21½N	-30	+26	-4	19N	100	5
22½N	-30	+24	-6	20N	100	5
23½N	-26	+20	-6	21N	100	5
24½N	-26	+16	-10	22N	100	5
25½N	-24	+12	-12	23N	100	5
26½N	-18	+12	-6	24N	100	5
27½N	-14	+6	-8	25N	100	10
28½N	-20	+6	-14	26N	100	10
29½N	-20	+10	-10	27N	100	10
30½N	-26	+12	-8	28N	100	10

1830 cps

min
stn

out of
phase

LINE	80 W		R		min stn	out of phase	
						min	max
29 1/2 N	-14	+6	-8	27 N	10	100	
28 1/2 N	-14	+6	-8	26 N	10	100	
27 1/2 N	-10	+6	-4	25 N	10	100	
26 1/2 N	-14	+6	-8	24 N	10	100	
25 1/2 N	-20	+6	-14	23 N	5	100	
24 1/2 N	-20	+12	-8	22 N	5	100	
23 1/2 N	-24	+14	-10	21 N	5	100	
22 1/2 N	-26	+12	-14	20 N	5	100	
21 1/2 N	-32	+18	-14	19 N	5	100	
20 1/2 N	-28	+18	-10	18 N	5	100	

390 cps

out of phase

1

2

R

min

max

-26

+10

-16

15

100

-24

+12

-12

10

100

-16

+12

-4

20

100

-14

+10

-4

10

100

-16

—

—

10

100

-12

+14

+2

10

100

-20

+12

-8

10

100

-18

+10

-8

10

100

-16

+6

-10

10

100

-16

+6

-10

10

100

-20

—

—

10

100

-22

+2

-20

10

100

	1830	ops		min	out of phase
	1	2	R	sth	min max
46½N	-26	+4	-22	44N	10 100
47½N	-24	+6	-18	45N	10 100
48½N	-18	+6	-12	46N	20 100
49½N	-14	+8	-6	47N	10 100
50½N	-16	+8	-8	48N	10 100
51½N	-12	+8	-4	49N	10 100
52½N	-20	+6	-14	50N	15 100
53½N	-18	+4	-14	51N	15 100
54½N	-16	+4	-12	52N	15 100
55½N	-16	+2	-14	53N	30 100
56½N	-22	-4	-20	54N	30 100
57½N	-22	-4	-26	55N	30 100

line 80w

	390 g/s	2	R	out of phase max min	
	-14	+10	-4	100	10
	-16	+16	0	100	10
	-20	+20	0	100	10
	-26	—	—	100	10
	-30	+20	-10	100	10
	-30	—	—	100	10
	-28	+20	-8	100	10
	-24	+16	-8	100	10
	-24	+12	-6	100	10
	-26	+12	-14	100	20
	-30	+12	-18	100	25
	-26	+12	-14	100	20
	-24	—	—	100	15
	-26	+10	-16	100	15
	-26	+12	-14	100	15
	-24	+10	-14	100	10

		1830 cps		R	min. stn.	out of phase	
L-80W		1	2			max	min
30½N	-14	+10	-4	28N	100	10	
31½N	-18	+14	-4	29N	100	10	
32½N	-22	+20	-2	30N	100	10	
33½N	-26	+16	-10	31N	100	10	
34½N	-30	+24	-6	32N	100	10	
35½N	-30	+24	-6	33N	100	15	
36½N	-28	+18	-10	34N	100	15	
37½N	-28	+14	-14	35N	100	20	
38½N	-28	+12	-16	36N	100	30	
39½N	-30	+10	-20	37N	100	45	
40½N	-30	+12	-18	38N	100	40	
41½N	-26	+10	-16	39N	100	25	
42½N	-26	+10	-16	40N	100	20	
43½N	-26	+2	-24	41N	100	25	
44½N	-26	+2	-24	42N	100	25	
45½N	-26	+2	-24	43N	100	15	

<u>390 cps</u>			at of phase	
1	2	R	max	min
+6	-12	-6	100	10
+6	-10	-4	100	5
+8	-8	0	100	5
0	-4	-4	100	3
-4	-4	0	100	5

-16	-	-	100	5
-20	+8	-12	100	5
-18	+10	-8	100	10
-22	+12	-10	100	10
-20	+12	-8	100	5
-22	+12	-10	100	10
-18	+12	-6	100	5

Stn	1830 yrs			min Stn	out of phase	
	1	2	R		max	min
16½N	+6	-20	-14	14N	100	20
17½N	+6	-18	-12	15N	100	20
18½N	+8	-14	-6	16N	100	20
19½N	+2	-10	-8	17N	100	20
20½N	-4	-4	0	18N	100	15

L-72-W

24½N	-16	+4	-12	22N	100	5
25½N	-20	+8	-12	23N	100	5
26½N	-20	+6	-14	24N	100	5
27½N	-22	+10	-12	25N	100	5
28½N	-20	+8	-12	26N	100	5
29½N	-22	+10	-12	27N	100	5
30½N	-20	+8	-12	28N	100	5

390 gps

out of phase

1

2

R

~~max~~

min

-18

+6

-12

100

10

-18

+4

-14

100

10

-14

+2

-12

100

15

-8

+2

-6

100

15

-4

-10

-14

100

15

0

-14

-14

100

15

0

-16

-16

100

15

+4

-16

-12

100

10

+4

-12

-8

100

15

+2

-12

-10

100

10

0

-12

-12

100

5

0

-12

-12

100

10

+6

-18

-12

100

10

+10

-22

-12

100

10

+12

-16

-4

100

10

+12

-10

-2

100

5

June 27/12		1830 cps		R	min Sta	out of phase max min	
Stn	1	2					
L-64W							
1/2N	-74	-4	-28	2S	100	20	
1 1/2N	-20	-10	-30	1S	100	25	
2 1/2N	-18	-18	-36	0	100	30	
3 1/2N	-16	-20	-36	1N	100	30	
4 1/2N	-8	-26	-34	2N	100	30	
5 1/2N	-4	-26	-30	3N	100	30	
6 1/2N	-6	-26	-32	4N	100	30	
7 1/2N	-2	-26	-28	5N	100	30	
8 1/2N	-2	-24	-26	6N	100	25	
9 1/2N	0	-24	-24	7N	100	25	
10 1/2N	0	-18	-18	8N	100	20	
11 1/2N	0	-18	-18	9N	100	20	
12 1/2N	0	-24	-24	10N	100	23	
13 1/2N	+6	-22	-16	11N	100	25	
14 1/2N	+8	-20	-12	12N	100	25	
15 1/2N	+10	-24	-14	13N	100	20	

390 cps

out of phase

I R R

max min

-16 +6 -10

80 10

-14 +8 -6

100 5

-12 +6 -6

100 5

-4 N —

100 5

0 -2 -2

100 5

0 +2 +2

90 5

-4 +4 0

100 5

-4 +2 -2

100 5

-2 +2 0

100 10

-6 +4 -2

100 10

0 N —

100 5

-2 N —

100 10

0 -10 -10

100 0

-4 -4 0

100 5

LINE 24 FS 1830 cps

out of
phase
max min

	1	2	R			
34 1/2 S	-16	+4	-12	37.5	100	5
35 1/2 S	-16	+6	-10	38.5	100	5
36 1/2 S	-14	-2	-16	39.5	100	10
37 1/2 S	-6	-2	-8	40.5	100	5
38 1/2 S	0	-4	-4	41.5	100	5
39 1/2 S	-2	-4	-6	42.5	100	5
40 1/2 S	-4	+4	0	43.5	100	5
41 1/2 S	-2	+4	+2	44.5	100	5
42 1/2 S	0	-2	-2	45.5	100	5
43 1/2 S	-4	+2	-2	46.5	100	10
44 1/2 S	0	-4	-4	47.5	100	10
45 1/2 S	-2	-8	-10	48.5	100	5
46 1/2 S	0	-8	-8	49.5	100	0
47 1/2 S	-2	-8	-10	50.5	100	10

390cps

out of
phase
max min

1	2	R		max	min
+16	-16	0		100	10
+12	-18	-6		90	10
+12	-24	-12		100	10
+8	-10	-2		100	10
+6	-8	-2		100	10
+10	-14	-4		100	5
+14	-6	-8		95	5
+18	-16	+2		100	20
+10	-16	-6		90	10
+4	-20	-16		100	5
+2	-2	0		90	10
+6	-2	+4		95	10
+2	+2	+4		90	10
+2	0	+2		100	10
+6	-8	-2		100	15
-2	N	—		90	10
-6	+6	0		95	5

NE 24 FS	1830 cps		R	min sta.	out of phase	
	1	2			max	min
17 1/2 S	+16	-24	-8	20 S	100	10
18 1/2 S	+10	-20	-10	21 S	100	10
19 1/2 S	+10	-18	-8	22 S	100	20
20 1/2 S	+4	-12	-8	23 S	100	15
21 1/2 S	+6	-12	-6	24 S	100	15
22 1/2 S	+10	-16	-6	25 S	100	10
23 1/2 S	+12	-16	-4	26 S	100	10
24 1/2 S	+14	-22	-8	27 S	100	10
25 1/2 S	+8	-18	-10	28 S	100	10
26 1/2 S	+4	-6	-2	29 S	100	10
27 1/2 S	+2	-4	-2	30 S	100	10
28 1/2 S	+8	-4	-4	31 S	100	10
29 1/2 S	0	-8	-8	32 S	100	15
30 1/2 S	+2	-6	-4	33 S	100	15
31 1/2 S	+6	-10	-4	34 S	100	10
32 1/2 S	-4	-10	-14	35 S	100	5
33 1/2 S	-8	-4	-12	36 S	100	10

<u>390</u>	<u>95</u>			out of phase max	min
1	2	R			
-18	0	-18		100	10
-18	+18	0		95	10
-24	+18	-6		95	10
-18	+24	+6		100	10
-18	+12	-6		100	10
-14	+10	-4		90	10
-10	+2	-8		90	10
-6	0	-6		95	10
-4	-4	0		100 95	10
+2	N	—		100	10
0	-2	-2		100	10
0	-2	-2		100	10
0	0	0		95	10
+6	N	—		95	10
+6	N	—		95	10
+10	-6	+4		90	10
+12	-16	-4		100	15

LINE 24 ES 1830 cps				min stn	out of phase	
stn	1	2	R		max	min
1/2 S	-18	+2	-6	3 S	100	15
1 1/2 S	-18	+12	-6	4 S	100	10
2 1/2 S	-24	+16	-8	5 S	100	10
3 1/2 S	-24	+14	-10	6 S	100	15
4 1/2 S	-20	+12	-8	7 S	100	15
5 1/2 S	-14	+10	-4	8 S	100	20
6 1/2 S	-8	+4	-4	9 S	100	15
7 1/2 S	-6	-4	-10	10 S	100	10
8 1/2 S	-2	-2	-4	11 S	100	10
9 1/2 S	+2	-4	-2	12 S	100	10
10 1/2 S	0	-4	-4	13 S	100	10
11 1/2 S	0	-6	-6	14 S	100	10
12 1/2 S	0	-6	-6	15 S	100	10
13 1/2 S	+6	-8	-2	16 S	100	10
14 1/2 S	+4	-8	-4	17 S	100	10
15 1/2 S	+10	-14	-4	18 S	100	10
16 1/2 S	+10	-28	-18	19 S	100	15

397 cpsout of
phase

1	2	R			
-8	+2	-6		10	100
-6	-2	-8		10	100
-7	-2	-4		5	100
+4	-6	-2		10	100
+8	-4	-4		5	100
+6	-6	0		10	100
0	+4	+4		5	100
-2	+2	0		5	100
-6	+2	-4		5	100
-4	+4	0		5	100
-6	N	—		5	100
-10	+14	+4		10	95
-2	+10	+6		5	95
-8	+4	-4		5	95
-4	+4	0		0	100
-4	0	-4		5	100

Sta	1830 cps			min sta	out of phase	
	1	2	R		max	min
32 1/2 S	-8	+2	-6	30S	100	10
33 1/2 S	-6	-4	-10	31S	100	5
34 1/2 S	-2	-4	-6	32S	100	5
35 1/2 S	+2	-8	-6	33S	100	10
36 1/2 S	+8	-4	-4	34S	100	10
37 1/2 S	+6	-6	0	35S	100	10
38 1/2 S	0	+4	+4	36S	100	10
39 1/2 S ^{CREEK}	-2	+2	0	37S	100	5
40 1/2 S	-6	+2	-4	38S	100	5
41 1/2 S	-4	+2	-2	39S	100	5
42 1/2 S	-6	+2	-4	40S	100	5
43 1/2 S	-8	-4	-12	41S	100	5
44 1/2 S	-8	+10	+2	42S	100	5
45 1/2 S	-8	0	-8	43S	100	5
46 1/2 S	-4	+4	0	44S	100	0
47 1/2 S	-4	+2	-2	45S	100	5
42S	outcrop - schist or phyllite					

<u>390 cps</u>		R	out of phase	
1	2			
-16	+12	-4	5	100
-20	+14	-6	5	100
-18	+10	-8	0	100
-18	+12	-6	0	100
-22	+16	-6	5	100
-22	+18	-4	5	100
-20	+14	-6	5	90
-18	+14	-4	5	90
-20	+22	-2	10	100
-22	+18	-4	5	90
-20	N	-	5	90
-18	+14	-4	5	90
-16	+8	-8	10	95
-16	+8	-8	5	95
-12	N	-	10	100
-14	+4	-10	5	95
-8	+2	-6	5	90

Stn	1830 GP5			min Stn	auto + phase	
	1	2	R		max	min
15 1/2 S	-16	+12	-4	135	100	10
16 1/2 S	-20	+14	-6	145	100	5
17 1/2 S	-18	+14	-4	155	100	5
18 1/2 S	-18	+10	-8	165	100	5
19 1/2 S	-22	+18	-4	175	100	5
20 1/2 S	-22	+18	-4	185	100	5
21 1/2 S	-20	+14	-6	195	100	10
22 1/2 S	-16	+14	-2	205	100	10
23 1/2 S	-22	+18	-4	215	100	10
24 1/2 S	-22	+18	-4	225	100	10
25 1/2 S	-20	+16	-4	235	100	10
26 1/2 S	-18	+14	-4	245	100	20
27 1/2 S	-16	+8	-8	255	100	10
28 1/2 S	-16	+10	-6	265	100	10
29 1/2 S	-12	0	-12	275	100	10
30 1/2 S	-12	+2	-10	285	100	10
31 1/2 S	-12	+4	-8	295	100	10

390 cps

out of phase

1	2	R	max	min
+18	-24	-6	100	10
+20	-18	+2	100	5
+16	-20	-4	100	10
+14	-14	0	100	5
+8	-6	+2	100	5
+6	-6	0	100	10
+4	+2	6	100	5
-2	+4	+2	100	0
-2	+2	0	100	10
-4	+6	+2	100	0
-6	+6	0	100	5
-6	+6	0	100	5
-4	+6	+2	100	0
-8	+6	-2	100	5
-10	+8	-2	100	0

June 18, 1972 FATHER'S DAY
 WEATHER clear + cloudy

LINE 16ES

STN	1830 cps		R	min STN	out of phase	
	1	2			max	min
1/25	+18	-26	-8	2N	100	10
1 1/25	+18	-22	-4	1N	100	20
2 1/25	+16	-20	-4	0 ¹	100	20
3 1/25	+14	-24	-10	1S	100	15
4 1/25	+8	-14	-6	2S	100	15
5 1/25	+2	-6	-4	3S	100	10
6 1/25	+2	-2	0	4S	100	15
7 1/25	-2	+2	0	5S	100	5
8 1/25	-6	0	-6	6S	100	10
9 1/25	-4	0	-4	7S	100	5
10 1/25	-4	+6	+2	8S	100	5
11 1/25	-6	+6	0	9S	100	5
12 1/25	-4	0	-4	10S	100	5
13 1/25	-8	+6	-2	11S	100	5
14 1/25	-10	+4	-6	12S	100	5

390 cps

out of phase

1	2	R	max	min
-2	-4	-6	80	5
-10	-4	-14	70	15
-2	-4	-6	75	10

390 cps

out of phase

1	2	R	max	min
-10	+4	-6	100	10
-14	+2	-12	100	10
-10	-6	-16	100	20
-12	-8	-20	80	15
-6	-14	-20	80	10
0	-12	-12	80	10
+4	-20	-16	80	10
+10	-24	-14	80	10
+20	-30	-10	80	10
+24	-34	-10	85	10
+24	-32	-8	80	10
+20	-30	-10	90	20
+12	-26	-14	100	25

LINE	40WS 1830 cps			out of phase		min sta.
	1	2	R	max	min	
0 1/2 S	-2	-12	-14	100	20	65
1 1/2 S	-8	-12	-20	100	20	75
10 1/2 S	-4	-16	-20	100	20	85

LINE	48WS 1830 cps			out of phase		min sta.
	1	2	R	max	min	
1 1/2 S	-12	-6	-18	100	30	2N
1 1/2 S	-14	-12	-26	100	30	1N
2 1/2 S	-16	-16	-32	100	35	0
3 1/2 S	-14	-22	-36	100	35	15
4 1/2 S	-12	-28	-40	100	35	25
5 1/2 S	-4	-28	-32	100	30	35
6 1/2 S	+2	-32	-30	100	30	45
7 1/2 S	+8	-36	-28	100	30	55
8 1/2 S	+20	-36	-16	100	30	65
9 1/2 S	+22	-40	-18	100	20	75
10 1/2 S	+20	-38	-18	100	30	85
11 1/2 S	+16	-38	-22	100	40	95
12 1/2 S	+8	-26	-18	100	40	105

390 cps.

out of phase

1	2	R	max	min
-6	-8	-14	65	10
0	-8	-8	85	10
-4	-12	-16	70	10
-14	-8	-22	75	20
-22	0	-22	80	20
-16	0	-16	80	10
-20	+8	-12	80	15
-20	+8	-12	80	10
-14	+4	-10	75	10
-12	-6	-18	80	20
-6	-14	-20	70	15
+4	-16	-12	60	15
+10	-24	-14	50	10
+8	-16	-8	70	15
+8	-16	-8	80	30
+6	-10	-4	80	10
-2	-4	-6	80	10

Sta	LINE DOWN 1830 gps			out of phase		
	1	2	R	max	min	min sta
8½N	-8	-18	-26	100	25	11N
7½N	-6	-16	-22	100	25	10N
6½N	-8	-16	-24	100	35	9N
5½N	-14	-18	-32	100	35	8N
4½N	-20	-16	-36	100	35	7N
3½N	-22	-12	-34	100	35	6N
2½N	-24	-14	-38	100	35	5N
1½N	-22	-8	-30	100	30	4N
½N	-20	-12	-32	100	30	3N
LINE ROWS						
1½S	-14	-22	-36	100	35	2N
1½S	-10	-28	-38	100	30	1N
2½S	+2	-32	-30	90	20	0
3½S	+8	-30	-22	75	15	15
4½S	+8	-28	-20	100	25	25
5½S	+8	-26	-18	100	25	35
6½S	+2	-22	-20	100	30	45
7½S	-4	-16	-20	100	25	55

<u>390 cps</u>			out of phase	
1	2	R	max	min
-20	+2	-22	60	10
-22	+2	-20	55	10
-20	+4	-24	50	10
-20	-4	-24	55	10

<u>390 cps</u>			out of phase	
1	2	R	max	min
-20	+10	-10	90	5
-20	+4	-16	85	10
-22	+16	-6	85	10
-20	+12	-8	100	5
-22	+10	-12	100	5
-20	+16	-4	80	5
-20	+8	-12	90	10
-18	+4	-14	80	5
-10	-4	-14	75	10

Sta.	LINE 48WN 830 cps			out of phase		
	1	2	R	max	min	min. Sta.
9 1/2 N	-20	-10	-30	80	20	12N
10 1/2 N	-24	-10	-34	85	20	13N
11 1/2 N	-22	-4	-26	75	15	14N
12 1/2 N	-20	-18	-38	90	20	15N

Sta.	LINE 40WN 830 cps			out of phase		
	1	2	R	max	min	min. Sta.
17 1/2 N	-20	+4	-16	100	20	20N
16 1/2 N	-20	0	-20	100	20	19N
15 1/2 N	-22	+6	-16	100	20	18N
14 1/2 N	-22	-2	-24	100	20	17N
13 1/2 N	-22	+4	-18	100	25	16N
12 1/2 N	-24	+4	-20	100	20	15N
11 1/2 N	-26	+4	-22	100	20	14N
10 1/2 N	-18	+6	-24	100	20	13N
9 1/2 N	-14	-16	-30	100	20	12N

390 cps.			out of phase	
1	2	R	min	max.
-18	+6	-12	10	100
-14	+14	0	5	100
-14	+6	-8	5	100

390 cps			out of phase	
1	2	R	max	min
-14	+6	-8	100	5
-14	+6	-8	100	10
-20	+6	-14	100	15
-20	+4	-16	100	15
-16	+10	-6	100	5
-20	+16	-4	55	20
-20	+12	-8	55	5
-24	+8	-16	60	5
-20	+6	-14	60	10