

020487

LEVEL SURVEY

ASSUME ELEVATION

OF OOW, 503 = 3000'
(Local)

Set up Str.	Ht of Inst. Rod Ht.	B.S. Str	F.S. Str	Stadia Diff.	Horizontal angle
B.L. 505- 0W	4.70		✓ 2W	2.11	312° 00'
" ✓ 4W	4.46	2W	'	1.80	132° 34'
"	"		✓ 5W	1.03	312° 00'
"	"		✓ 6W	1.88	"
"	"		✓ 7W	2.85	"
"	"		✓ 8W	3.85	"
? ✓ 11+50W	4.50	8W		2.59	131° 43'
		✓ 9W	---	1.59	"
		✓ 10W	---	.58	"
			✓ 11W	.66°	312° 00'
98.58. 11.81			✓ 12W	1.53	"
12W	4.58	3-23 99.90	✓ 13W	.92	"
		337 99.89	✓ 14W	1.90	"
		99.78 .62	✓ 15W	2.86	"
18W	4.62	15W	135 99.60	2.87	132° 20'
		✓ 16W	133 99.58	1.88	"
		✓ 17W	"	.84	"
		2.46 99.52	19W	.93	312° 00'

Vert. angle	Inclined Distance	Horiz. Distance	Diff in Elevation	ELEVATION	NOTES
-1° 43'	211	210	-6.30	2993.70	(2W)
+1° 50'	180	179.9'	+5.76	2987.94	Inst. at AN, 49+50S (1W)
-6° 55'	103	101.5	-12.03	2975.91	
-6° 26'	188	185.7	-21.20	2966.74	
-5° 44'	285	282.0	-28.40	2959.54	
-4° 33'	385	384.0	-30.50	2937.44	49+80S; (1W)
-4° 20'	259	257.2	+9.60	2947.04	(L. 12.50S *)
-7° 07'	159	156.6	-19.6	2927.44	
-11° 55'	58	55.5	-11.7	2935.34	
+6° 47'	66	^{986.0} 65.0	^{# 73} +57.75	2954.79	
+6° 50'	153	151.0'	+18.05	2965.09*	
+1° 51'	92	92'	+2.90	2967.99	
+1° 56'	190	189.9	+6.4	2971.49	
+2° 39'	286	285.8	+13.2	2978.29	
-3° 39'	287	286.0	+18.2	2996.49	(18W)
-3° 45'	188	187.6	-12.29	2984.20	B.L. 16W @ L16, 49+40S.
-3° 45'	84	83.7'	-5.50	2978.70	
+1° 59'	93	92.9	+3.22	2999.71	

	Ht. of Inst and Red. read	B.S Sta.	F.S Sta.	Stadia	Horiz. Angle
B.L 50s. ✓ St. 22W	4.40	19.14	1.25 99.48	2.63	131° 17'
	✓	20W		1.77	131° 11'
		✓ 21W	4.07 99.81	.80	131° 00'
		5.52 99.69 ✓	23W	.93	312° 00'
25-24		99.47 7.25 ✓	24W	1.83	"
✓ 25+?W	4.7'	24W	98.25 13.14	1.44	132° 09'
		25W	99.08 9.54	.50	132° 22'
		100 .67	26W	.44	312° 00'
22 130		99.97 1.74	27W	1.32	"
23-24		100, .15	28W	2.24	"
28W	? 4.4'	-	29W	.84	312° 00'
		99.97 1.14	30W	1.85	"
		99.98 1.48	31W	2.95	"
		99.90 3.05	32W	3.83	"
✓ 33W	4.82	32W	99.24 8.68	1.00	131° 18'
		99.69 5.57	34W	.94	312° 00'
			Traffic M.C.		11° 30'
		99.47 9.11	35W	1.86	312° 00'

Vert. angle	Inclined Dist.	Horiz. Distanc.	Diff in El.	ELEVATION	Notes
+0° 45'	263	263	-3.29	2996.42	BL. 19+30W w L. 20 W, 48+10S.
+0° 45'	177	177	+2.21	2998.63	
-2° 20'	80	79.9	-3.26	2993.16	
+3° 10'	93	92.6	+5.12	3001.54	
+4° 10'	183	182	+13.25	3009.67	BL. 24+30W, w L. 24, 49S
-7° 37'	144	141.5	+18.90	3028.57	
-5° 30'	50	49.54	-4.77	3023.80	
-0° 25'	44	44	-.29	3028.28	
± 1° 00'	132	132	-2.4	3026.17	
-0° 5'	224	224	-.34	3028.23	
0° 00'	84	84	0	3028.23	BL 28+20'W w L28, '99+20S
-1° 00'	185	185	-3.22	3025.01	
+0° 37'	295	295	+4.27	3032.50	
+1° 45'	383	383	+11.6	3039.83	BL 31+60'W w L32, 46+50S
-5° 00'	100	99.24	+8.68	3048.51	
-3° 12'	94	93.8	-5.30	3043.21	
+3° 57'			0		
-5° 15'	186	184.00	-16.9	3031.61	

Set 85n	Ht of last Root Row.	B.S.	F.S.	Stadia diff	Horiz. angle
BL 505 30W BL 30W	4.82	99.38 7.85	✓ 36W	2.82	312°
		99.41	✓ 37W	3.77	"
BL 505 ✓ 39W	4.30	37W		1.91	131° 30'
		38W	B	.97	"
		40W	40W:	.97	312° 0'
L. 48, 48 + 20 S →		99.71 4.35	✓ BL. 40W+	1.42	
BL 505 ✓ 42W	4.5	40W+	99.84 3.98	1.41	132° 00'
		✓ 41W	99.79 4.55	.89	"
			✓ 43W	.97	312° 00'
		99.96 1.98	44W	1.87	"
BL. 46W	4.58	44W	99.95 2.33	1.85	132° 12'
		✓ 45W	99.89 3.29	.94	"
	99.24 8.68		✓ 47W	.96	312° 00'
		99.22 8.82	✓ 48W	1.72	"
L. 48 51 S	4.6	48W	99.89 3.34	1.00	41° 42'
		93.30 25.90	WDH #2	1.07.	180° 29'
HILL NR. WDH #2	4.68.	WDH #2	95.34 21.08	.41	354° 47'
			Traffic Mt.		9° 20'

Vertical angle	Incl. Distance	Diff. in Hori. Elev. Dist.	Diff. in Elevation	ELEVATION 2048.00	NOTES.
-4° 31'	282	280	-22.1	3026.40	
-3° 35'	377	360	-23.6	3024.91	BL 37 + 15W " L 36, 50 + 20S
0°	191	191	=	3024.91	
0	97	97	-	3024.91	
0°	97	97	-	3024.91	
+2° 48'	142	141.6	+6.95	3031.86	L 40 - 47S + 21W " BL 40 + W
+2° 17'	141	140.7	-5.62	3026.24	
+2° 38'	89	88.8	+4.00	3030.24	
0° 00'	97	97	-	3026.24	
-1° 08'	187	186.8	-3.71	3022.53	L 44, 49 + 50S " 44 + 50W " B.L.
+1° 20'	185	184.9	-4.33	3018.20	
+1° 53'	94	93.8	+3.10	3021.30	
-5° 00'	96	95.2	-8.3	3009.80	
-5° 05'	172	170.5	-15.10	3003.10	BL. 48W, 50S
+1° 55'	100	99.89	-3.34	2999.76	
+15° 00'	107	99.8	+26.8	3025.56	
-12° 28'	41	39.1	8.67		
+3° 59'		?			

Set up Stn.	Ht. of Inst. or Rod Ht.	B.S.	I.S	Stadia Diff	Hang. angle
BL 48W	4.57	5.69 99.68	51W	2.76	312° 00'
		5.40 99.71	50W	1.91	"
		6.09 99.23	49W	.97	v
		L48, 99+98		.32	415° 50'
#L 48W, 48S	4.14.	6.47 99.58	46S	1.77	42° 26'
		99.84 -3.95	47S	.92	42° 31'
		49+90S	⁴⁻ 99.97 1.74	1.58	221° 33'
		49S	99.88 48.49	.96	222° 37'
L. 48 43+30S	4.68	46S	102 99.99	2.60	222° 08'
		45S	.09 100	1.68	"
		44S	98.65 11.53	.73	"
		92.09 26.99	41+S	1.54	41° 03'
		99.34 8.14	40+S	2.72	41° 15'
L. 48W 38S+	4.60'	40+S	98.06 13.78	1.62	222° 20'
		39S	98.06 13.78	.44	"
		79.38 7.82	38S	.48	42° 30'
		99.32 8.25	37S	1.36	42° 16'

Vertical angle	Inclined Distance	Horiz. Distance	Diff in Elev.	ELEVATION 2003.10	Notes
-3° 16'	276	274.6	15.4	2987.70	} 10' South 4 50S.
-3° 06'	191	190	10.3	2992.80	
-3° 30'	97	96.6	5.9	2997.20	
0	32	32'	-	3003.10	+ (46S)
+3° 43'	177	176.5	+11.45	3011.78	
-2° 16'	92	91.85	-3.67	2996.66	
+1° 00'	158	158	-2.77	3003.10	L 48, 48S. = 3000.33
-2° 00'	96	96	-3.35	2996.98	
-0° 35'	260	260	+2.65	3014.43	← 43 + 30S
+0° 05'	168	168	+ .15	3014.58	
-6° 40'	73	72.3	-8.45	3004.98	
-16° 18'	154	142	-41.5	2972.93	
-4° 41'	272	270	-22.15	2992.28	
-8° 00'	162	158.9	+22.40	3014.68	← 48W, 38S +
-8° 00'	44	43.3	-6.06	3008.62	
+4° 30'	48	48	+3.75	3018.43	
+4° 45'	136	135	+11.2	3025.88	
				3000.33	8m. 48S L. 48.

Set up Sta	Ht. of Inst. Red Ht.	B.S	F.S	Stadia Diff	Horiz. angle
L. 48 35+S	4.58	37S	4.24 99.82	1.26	221° 33'
		16.63 97.15	35S	.49	43° 26'
		97.67 15.09	34S	2.42	42° 50'
L. 48 32S.	4.70	34S	99.35 8.55	1.82	221° 42'
		33S	99.15 9.74	.86	221° 55'
		99.50 7.07	31S	.96	41° 53'
		99.53 6.87	30S	1.91	41° 55'
L. 40. 32S	4.57	30S	100 .38	1.90	44° 47'
		30+S	100 .38	1.55	"
		31+50S	99.98 1.40	.65	44° 28'
		99.69 5.54	33S	.98	223° 24'
		99.47 7.25	34S	2.02	223° 41'
		99.58 6.53	35S	3.08	223° 40'
		99.66 5.83	36S	4.13	223° 44'
L. 40 38+S	4.8	36S	98.08 13.23	2.60	43° 26'
		37S	97.61 15.28	1.73	43° 24'
		38S	98.34 12.77	.73	43° 30'
		92.25 16.55	40S	1.23	222° 50'

Vertical angle	Inclined distance	Horiz Dist.	Diff. in Elevation	ELEVATION	Notes
$-2^{\circ} 26'$	126	125.8	+5.35	3031.23	← 35+5
$+9^{\circ} 45'$	49	47.6	+8.10	3039.33	
$+8^{\circ} 49'$	^{1.42°} 242	236	+36.55	3067.78	
$-4^{\circ} 39'$	182	180.5	+14.70	3082.48	← 325
$-5^{\circ} 37'$	86	85.2	-8.36	3074.12	
$+4^{\circ} 04'$	96	95.5	6.81	3089.29	
$+3^{\circ} 57'$	191	190	13.1	3093.58	
$-0^{\circ} 13'$	190	190	.72	3114.48	(Ravine 30W, 31+205 ← 30)
"	155	155	.59		
$-0^{\circ} 48'$	65	64.9	.91		
$-3^{\circ} 11'$	98	97.5	5.46	→ 3115.15 3109.69	← 325 ← 335
$-4^{\circ} 10'$	202	201	14.65	3100.50	
$-3^{\circ} 45'$	308	307	20.20	3094.95	^{24 10} 3115.15
$-3^{\circ} 21'$	413	412	24.10	3091.05	
$+7^{\circ} 58'$	260	255	(35.70)	3055.35	← 38+5
$+8^{\circ} 54'$	173	168.9	26.42	3081.77	
$+7^{\circ} 24'$	73	71.6	9.34	3064.69	
$-16^{\circ} 10'$	123	113.7	20.35	3035.00	

Stn Set up	Ht of Inst. Rivet Ht.	B.S.	F.S.	Stadia Diff	Horiz. angle
L. 40 38+S	4.80	96.74 17.76	41S	2.18	222° 08'
		99.57 9.96	42S	3.14	222° 16'
		100.00 .09	43S	4.03	223° 16'
		99.96 1.98	43+S	4.72	223° 17'
L. 40 43S ✓	4.80	42S	99.98 3.23	.36	40° 56'
		95.72 20.23	44S	.98	222° 41'
		97.78 14.76	45S	1.99	"
		98.92 10.34	46S	3.03	222° 33'
		99.40 7.71	47S	4.02	222° 55'
L. 40 48+S ✓	4.82	47S	99.58 6.44	1.22	44° 30'
L. 44 48S (B.L.)		B.L.	B.L. 97.99 -15.95	1.01	224° 20'
		95.64 20.97	48S	.40	44° 14'
		98.34 12.80	47S	1.34	44° 29'
		99.65 5.95	46S	2.29	44° 12'
L. 44 44+S	4.8	46S	98.30 12.94	1.53	222° 46'
		45S	98.51 12.10	.52	222° 35'
		98.50 11.84	44S	.49	42° 35'

Vert. angle	Inclined Distance	Horiz. Dist.	Diff in Elev.	ELEVATION	Notes
-10° 24'	218	211	-38.7	3017.65	
-4° 35'	314	313.2	31.30	3024.05	
+0° 03'	403	403	36	3054.99	(Missing)
+1° 08'	472	471.8	9.36	3054.99	
+0° 51'	36	36	1.65	3054.99	(435)
-11° 56'	98	93.6	-19.83	3035.16	7
-8° 35'	199	194.5	-29.40	3025.59	2
-5° 58'	303	299.0	-31.40	3023.59	
-4° 26'	402	399.5	-30.95	3024.04	
-3° 42'	122	121.4	7.82	3031.86	(Sketch of BL. 50S by 15')
-9° 18'	101	98.3	16.15	3038.68	3022.53 BL ---
-12° 03'	40	38.6	-8.12	3030.56	
-7° 25'	134	131.5	-17.15	3021.53	
-3° 25'	229	227.9	-13.62	3025.02	
-7° 30'	153	150.5	-19.85	3044.87	44.45
-7° 00'	52	51.2	-6.30	3038.37	
-6° 51'	49	47.3	-5.80	3039.07	

Set up Stn.	Ht of Inst. Ht of Rod	B.S.	I.S.	Stadia Diff	Horiz. Angle
L 36 W 47S	4.5				
		50S	2.87 99.95	2.91	225° 12'
		49S	99.99 1.16	1.96	"
		48S	100 1.13	1.00	"
		99.98 1.45	46S	.98	45° 00'
		99.99 1.19	45S	1.96	45° 02'
		99.85 384	44S	2.92	44° 57'
L 36 39+S	4.8	44S	99.78 4.71	4.07	224° 28'
		43S	99.23 8.77	3.14	224° 25'
		42S	96.25 19.00	2.32	223° 53'
		Water Level	94.08 23.68	2.17	
		40+S	86.77 93.89	.58	223° 22'
		99.18 9.03	39S	.55	45° 04'
		99.12 13.58	38S	1.51	44° 40'
		97.55 15.45	37S	2.43	44° 35'
		97.31 16.17	34+S	4.61	44° 35'

Vertical angle	Inclined Dist.	Horiz. Distance	Diff in Elev.	ELEVATION	Notes
				3033.30	
-1° 16'	291	290	-6.9	3026.40	
-0° 40'	196	196	-2.28	3031.02	
+0° 05'	100	100	+ .13	3033.43	
+0° 50'	98	97.9	+ 1.42	3034.72	
+0° 41'	196	196	+ 2.33	3035.63	
+ 2° 12'	292	291.6	11.2	3044.50	
- 2° 42'	407	406	+ 19.15	3063.65	← 3918
- 5° 03'	314	311.5	27.5	3036.15	
- 11° 10'	232	223.0	44.2	3019.45	
- 14° 08'	217	204	51.4	3012.25	
- 21° 20'	58	50.3	19.7	3043.95	
+ 5° 12'	55	54.5	+ 4.96	3068.61	
+ 7° 53'	151	149.5	+ 20.5	3084.15	
+ 9° 00'	243	237.0	+ 37.6	3101.25	
+ 9° 26'	461	447.5	+ 74.4	3138.05	

Set up Sta, L. 36 W 33S	Ht B ^a Inst Ht of Rod 4.7	B.S.	F.S.	Stadia Diff.	Horiz. Angle
		34+S	99.99 1.16	1.67	224° 08'
		34S	99.92 2.14	.97	223° 55'
		99.64 6.01	32S	.90	44° 47'
		99.96 2.09	31S	1.85	44° 40'
		100.00 .47	30S	2.78	44° 35'
L. 32 W 31S ⁺	5.00				
		30S	99.89 3.57	1.85	42° 38'
		31S	99.45 7.42	.82	42° 24'
		96.27 18.95	32S	.60	222° 18'
		95.34 21.08	32S ⁺	1.26	222° 22'
L. 32 W 35S.		32S ⁺	95.69 20.31	2.54	42° 46'
		34S	98.82 10.79	1.12	42° 48'
		99.98 1.31	36S	.96	222° 51'
		99.98 3.49	37S	1.95	"
L. 32 W 37S.		37S	99.14 9.25	.72	42° 18'
		90.79 28.94	38S	.49	223° 00'
		96.32 18.84	38S ⁺	1.17	222° 18'

Inclined Dist.	Horiz. Dist.	Diff in Eleva.	ELEVATION	Notes
-			3139.99 ✓	
-0° 40'	167	167	-1.94	3138.05
-1° 41'	97	97	-2.35	3137.64
-3° 27'	90	89.7	-5.40	3134.59
-1° 12'	185	185	-3.85	3136.14
+0° 16'	278	278	+1.3	3141.29
				3148.80
+2° 03'	185	184.7	6.54	3155.34
+4° 16'	82	81.5	6.07	3154.87
-11° 08'	60	57.8	11.4	3137.40
-12° 28'	126	120	27.5	3121.30
+11° 59'	254	240	51.6	3069.70 ↙ 355
+6° 14'	112	110.5	12.1	3081.80
-1° 45'	96	96	1.26	3068.44
+2° 00'	195	194.6	6.82	3076.52
+5° 20'	72	71.3	6.66	3069.86 ↙ 375
-17° 41'	49	44.4	14.2	3055.66
-11° 04'	117	112.5	22.1	3047.76

Set up Sta.	Ht. of Inst Ht. of Rod	B.S.	I.S.	Stadia Diff	Mag. Angle
L 32 374S	5.00	95.24 21.29	40S	2.23	222° 39'
		98.04 13.86	41S	3.03	222° 41'
		99.65 5.95	42S	4.10	222° 49'
44+S	4.9	42S	99.99 .93	2.65	43° 57'
		43S	99.83 2.56	1.77	43° 57'
		44S	99.68 4. —	.70	43° 05'
		99.61 6.30	46S	1.30	222° 38'
		99.92 2.91	47S	2.28	223° 07'
		99.96 3.17	B.L.	2.61	222° 50'
L. 28W 145+S	4.80	B.L.	99.88 3.49	2.72	222° 00'
		48S	99.97 1.69	2.40	221° 49'
		47S	99.37 7.96	1.45	"
		46S	98.30 12.94	.44	"
		99.95 2.33	45S	.52	41° 33'
		99.96 2.01	44S	1.49	41° 42'

Vertical Angle	Inclined Dist.	Horiz. Dist.	Diff in Elev.	ELEV.	Notes
-12°36'	223	212	47.5	3022.36	
-8°05'	303	297	42	3027.86	
-3°25'	410	407.5	24.4	3045.46	
-6°32'	265	265	2.65	3048.11	← 4415
-1°28'	177	176.8	4.53	3043.58	
0°	70	70	-	3048.11	
-3°37'	130	129.4	8.17	3039.94	
-1°40'	228	227.5	6.62	3031.49	
-1°49'	261	260.8	8.28	3029.83	↑
				(3028.23) ← BL 28 W	
-2°00'	272	271.6	9.50	3037.73	
-1°58'	240	239.8	-4.06	3033.67	
-4°35'	145	144.0	-11.45	3026.28	
-7°30'	44	43.4	-5.7	3032.03	
-1°20'	52	52	-1.19	3036.54	
-1°09'	149	149	-3.00	3034.73	

Set up Sta.	Ht. of Inset. Road Ht.	B.S.	F.S.	Stadia Diff	Horiz. Angle
L. 28 42S	4.5				
		44S	99.22 8.82	2.00	222° 24'
		43S	99.81 4.36	1.07	222° 43'
		9 -	41S	.83	40° 49'
		99.06 9.68	40S	1.80	41° 30'
		98.85 10.68	39S	2.73	41° 50'
L. 28. 38+S.	4.64	39S	95.75 20.18	.54	224° 04'
		96.63 6.09	38S	.55	43° 39'
		99.08 9.54	37S	1.50	43° 53'
	6.2' Road.	99.33 8.17	36S	2.41	43° 25'
L. 28 33S	7.3	9			
	6.00	36S	99.38 7.91	2.92	221° 53'
		35S	98.90 10.45	1.97	221° 55'
		34S	98.47 12.27	1.01	221° 51'
		97.00 17.05	32S	.84	41° 07'
		97.31 16.17	31S	1.93	41° 08'
	5.7	97.46 15.73	30S+	2.50	

Vertical angle	Inclined Dist.	Honz. Distance	Diff in Elev.	Elevation	Notes
				3017.09	
+5° 05'	200	198.44	17.64	3034.73	
+2° 30'	107	106.8	4.66	3029.75	
0° 00'	83	83	-	3017.09	
+5° 35'	180	178.5	17.42	3034.51	
+6° 10'	273	270.0	29.1	3046.19	
-11° 54'	54	51.7	11.2	3005.89	
+3° 30'	55	53.2	3.35	3020.44	
+5° 30'	150	148.5	14.3	3031.39	
+4° 42'	241	239	12.65	3036.74	
				3058.84	✓
-4° 33'	292	290	2.31	3036.74	
-6° 02'	191	188.5	20.0	3038.84	
-7° 06'	101	98.49	12.30	3046.54	
+9° 58'	94	91.2	+16.05	3074.89	
+9° 26'	193	187.5	+31.2	3096.04	
+9° 10'	250	243.9	+39.3	3098.14	

Instr. at 8m.	Ht of Int. Rod ^α Ht.	B.S.	F.S.	Stadia Diff	HORIZ. Angle
L 24 315	4.8				
		30S.	96.18 19.16	1.00	43° 26'
		99.78 5.23	32S	.93	223° 20'
35S	4.90				
		32S	99.51 6.96	2.8	44° 07'
		33S	99.63 6.04	1.83	44° 13'
		34S	99.84 4.01	.87	43° 59'
		96.50 18.38	35+S	.76	223° 30'
38S	5.00				
		35+S	96.78 17.65	2.05	43° 57'
		37S	97.55 15.45	.83	44° 06'
		94.28 23.22	38+S	.57	225° 57'
40S					
		38+S	97.29 16.22	1.26	43° 07'
		100.00 .58	41+S	1.27	222° 47'
43S					
		41+S	99.46 7.33	1.62	44° 02'
		42S	99.58 6.44	.88	43° 53'

Vertical Angle	Included Dist.	Horiz. Dist.	Diff. in Elev.	Elev.	Notes.
				3134.42	
+11° 16'	100	96.18	19.16	3153.58	
-3° 00'	93	92.6	4.87	3129.55	
				3110.05	
+4° 00'	280	279	19.5	3129.55	
+3° 28'	183	182	11.05	3121.10	
+2° 18'	87	86.9	3.48	3113.53	
+10° 47'	76	73.4	13.95	3124.00	
				3087.80	
+10° 20'	205	198.5	36.2	3124.00	
+9° 00'	83	81.0	12.82	3100.62	
-13° 50'	57	53.6	13.20	3074.60	
				3075.00	
-9° 28'	126	122.5	20.40	3074.60	
-0° 20'	127	127	.72	3074.28	
				3062.37	
+4° 13'	162	161	11.9	3074.27	
+3° 42'	88	87.6	5.67	3067.94	

Setup Stn.	Ht of Wire	Ht of Rod	B.S.	I.S.	Stadia Diff	Horiz. Angle
L. 24 43 18			96.50 18.38	43+S	.57	224° 34'
455	4.65					
			43+S	99.00 9.97	1.27	44° 46'
			99.97 1.83	46S	.97	223° 30'
B.L.	4.80					
	(4.95)		46S	99.81 4.36	2.86	44° 34'
			47S	99.98 1.48	1.91	44° 44'
			48S	100.00 .38	.88	44° 35'
L. 20 W. 45S	4.56					
			B.L.	99.96 2.09	2.87	222° 18'
			47S	100.00 .29	1.79	222° 21'
			46S	99.98 1.28	.89	222° 21'
			99.92 2.94	44S	.95	42° 18'
			99.93 2.76	43S	1.90	42° 09'
			100.00 29	42S	2.85	42° 02'
41S	4.58					
			42S	95.84 21.08	.96	223° 28'
			99.76 4.46	40S	.93	42° 25'

Vertical Angle	Inclined Dist.	Horizontal Dist.	Diff in Elev.	ELEV.	Notes.
$-10^{\circ} 47'$	57'	55	10.45	3051.92	
				3039.27	
$-5^{\circ} 45'$	127	125.6	12.65	3051.92	
$+1^{\circ} 03'$	97	97.0	1.75	3041.02	
				3028.57	✓
$+2^{\circ} 30'$	286	285.7	12.45	3041.02	
$+0^{\circ} 51'$	191	191	2.70	3031.27	
$-6^{\circ} 13'$	88.	88	.34	3028.23	
				2992.63	
$+1^{\circ} 12'$	287	287	6.00	2998.63	
$+0^{\circ} 10'$	179	179	.41	2993.04	
$+0^{\circ} 45'$	89	89	1.14	2993.77	
$-1^{\circ} 41'$	95	95	2.79	2989.84	
$-1^{\circ} 35'$	190	189.6	4.37	2988.26	
$-0^{\circ} 10'$	285	285	.83	2991.80	
				3012.80	
$-12^{\circ} 28'$	96	91.5	21.00	2991.80	
$-2^{\circ} 51'$	93	92.7	4.48	3008.32	

Set up S.M. L. 20W.	Ht 2 last Ht 1 Rod	B.S	I.S	Stadia Diff	Horizontal angle
415.		99.90 3.23	39S	1.94	42° 30'
36S.	4.16				
		39S	99.86 3.81	2.90	222° 57'
		38S	99.22 8.80	1.89	"
		37S	99.26 8.57	1.90	222° 45'
		99.46 7.28	35S	1.92	42° 50'
		99.73 5.23	34S	2.00	43° 02'
		99.71 5.37	33S	3.00	42° 57'
L. 20W 31S	4.66	99.36 9.96	32S.	4.00	43° 00'
		32S	96.94 7.23	1.05	224° 05'
		106 .70	30S	1.00	43° 33'
L. 16W. 33S.	4.7'				
		30S	99.69 5.52	2.8	44° 28'
		31S	99.80 4.50	1.92	"
		32S	99.92 2.88	1.94	"
		99.65 5.92	33+S	1.51	223° 43'
	(7.5)	99.84 8.11	35S	1.89	224° 23'

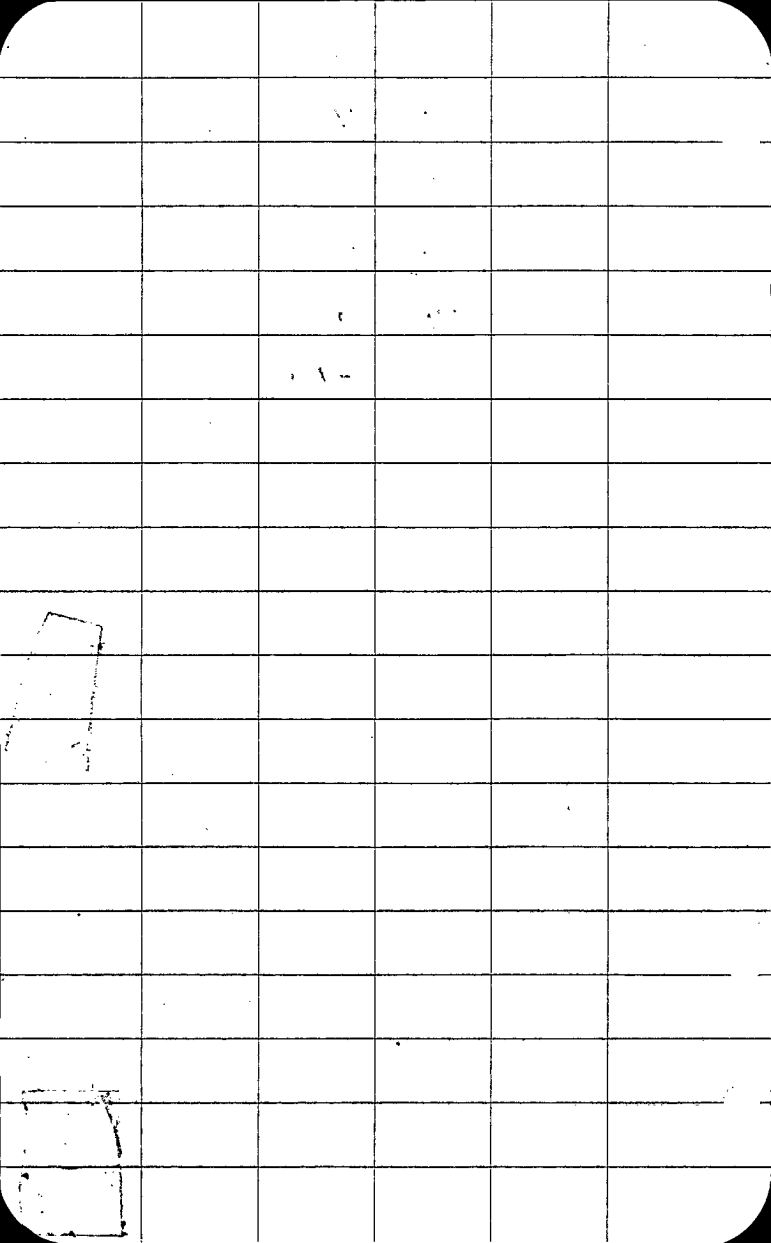
Vert. Angle	Inclined Dist.	Horiz. Distance	Diff in Elev.	ELEV.	Notes
+1° 51'	194	192	6.27	3019.07	
				3030.42	
-2° 11'	290	289.5	11.05	3019.07	
-5° 04'	189	187.2	16.6	3013.52	
-4° 56'	90	89.25	7.7	3022.42	
+4° 11'	92	91.4	6.7	3036.82	
+3° 00'	200	198.46	10.46	3040.58	
+3° 05'	300	299.13	16.11	3046.23	
+4° 35'	400	397.44	39.84	3069.96	
				3088.06	
-10° 05'	105	101.6	18.1	3069.96	
-0° 24'	100	100	.70	3087.36	
				3027.45	
+3° 10'	280	279	15.4	3042.85	
+2° 35'	192	191.8	8.65	3036.10	
+1° 39'	94	94	27.1	3030.16	
-3° 24'	57	50.8	3.02	3024.43	(345?)
-4° 40'	189	187.6	15.3	3012.15	

Instr Set up 8m.	Ht of Inst. Red ^x Ht.	B.S	F.S	Stadia Diff.	Horiz. Angle
L 16 T 33S.		99.55 6.38	36S	2.89	224° 33'
38S	4.78				
		36S	99.95 2.18	1.99	44° 35'
		37S	99.51 6.96	.92	44° 30'
		99.92 2.79	39S	.97	224° 37'
	7.00	99.80 4.50	40S	2.00	224° 48'
	6.5	4.62 99.79	41S	3.02	224° 42'
L 16 42S	4.80				
		41S	100.00 .44	.93	42° 53'
		99.19 8.97	43S	.97	224° 12'
		99.04 9.77	44S	1.93	223° 57'
		99.63 6.04	45S!	2.90	223° 55'
L 16 W 48S	4.72				
		45S	99.84 3.95	2.88	43° 58'
		46S	99.89 3.89	1.91	"
		47S	99.83 4.10	.97	43° 45'
		100.00 0.00	B.L.	.96	224° 20'

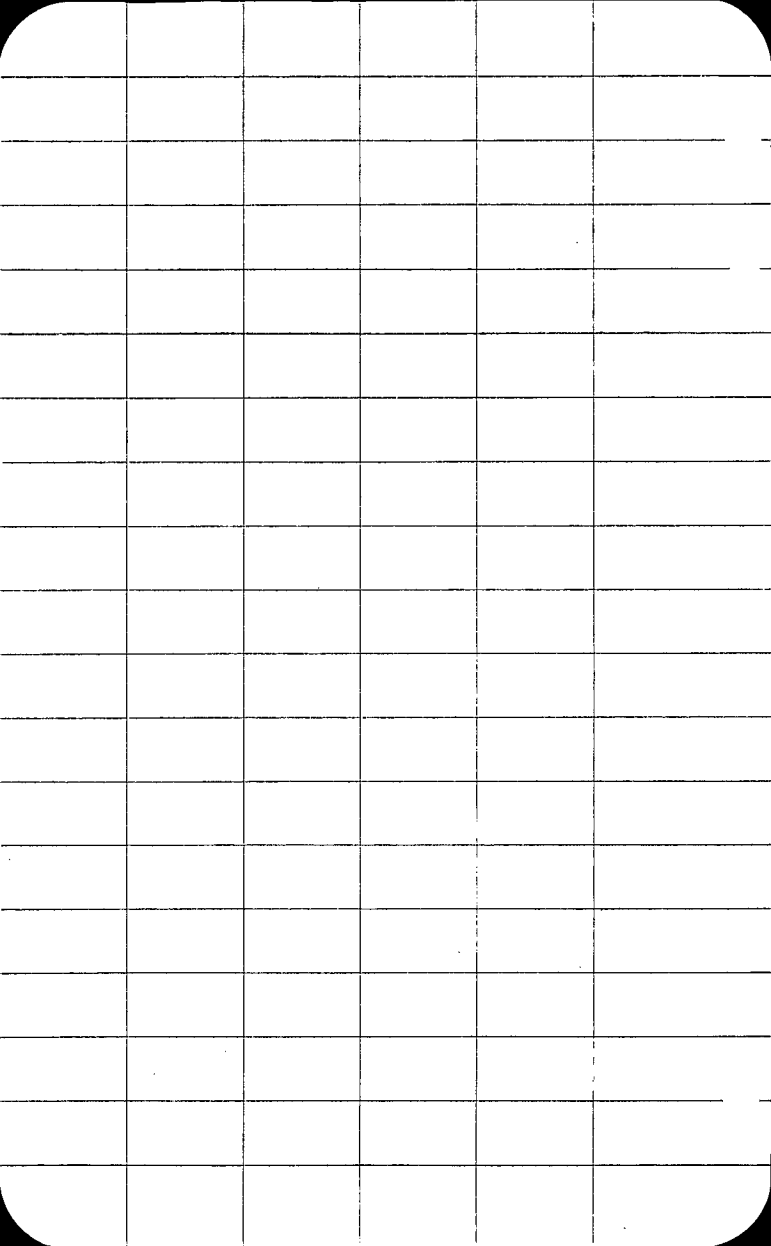
Vert. angle	Inclined Dist.	Horiz. Dist.	Diff in Elev.	ΣLEV.	Notes.
-3°40'	289	288	18.45	3009.00	
				3004.66	
+1°15'	199	198	4.34	3009.00	
-4°00'	92	91.6	6.40	2998.26	
-1°36'	97	96.2	2.71	3001.95	
-2°35'	200	199.60	9.00	2995.66	
-2°39'	302	301.0	13.95	2990.71	
				2990.30	
+0°15'	93	93	4.1	2990.71	
-5°10'	97	96	8.7	2981.60	
-5°38'	193	191	18.85	2971.45	
-3°28'	290	289.4	17.50	2972.80	
				2984.20	
-2°16'	288	287.0	11.40	2972.80	
-1°53'	191	190.2	6.26	2977.94	
-2°21'	97	96.3	3.97	2980.23	
6°00'	96	96	-	2984.26	

Inst. Set up 8th	Ht. of Inst. and Ht.	B S	F S	Stadia diff	Horiz. Angle
L. 12. 485	4.78				
	(6.00)	B.L	99.83 4.10	2.10	221° 05'
		495	99.92 2.79	1.09	220° 43'
		98.91 10.40	475	.76	40° 20'
		99.16 9.14	465	1.68	40° 31'
		99.29 8.42	455	2.62	40° 26'
		99.71 5.43	445	3.68	40° 33'
		99.79 4.62	435	4.64	40° 38'
L. 12 385	4.6				
		435	99.51 6.96	4.73	221° 14'
		425	99.29 2.79	3.75	"
		415	99.00 9.97	2.90	"
		405	98.81 10.85	1.96	221 14
		395	97.00 17.08	.97	"
		99.63 6.09	375	.92	41° 40'
345	4.72				10 00'
		375	99.97 1.74	2.76	221° 00
		365	99.98 1.31	1.83	" 5'

Vert. Angle	Inclined Dist.	Horiz. Dist.	Diff in Elev.	ELEV.	Notes.
				2973.69	
-2° 21'	210	209	8.6	2965.09	✓
-1° 36'	109	109	3.04	2970.65	
-6° 00'	76	75	7.9	2965.79	
-5° 16'	168	166.2	14.1	2959.59	
-4° 51'	262	260	22.1	2951.59	
-3° 07'	368	367.5	20.0	2953.69	
-2° 38'	464	462	21.4	2952.29	
				2985.19	
-4° 00'	473	471	32.9	2952.29	
-4° 29'	375	372	29.2	2955.99	
-5° 45'	290	287	29.0	2956.19	
-6° 16'	196	193.5	21.3	2963.89	
-2° 54'	97	94.1	16.6	2968.59	
-3° 30'	92	91.5	5.6	2979.69	
				2984.46	
-1° 00'	276	276	4.77	2979.69	
-0° 45'	183	183	2.4	2982.06	



— O - SOUTH BC
SURVEY



JUNE 17, 1967

PI PAUL SANDALUK

ROD - PETE DEAN

STATION	HCR	R	VCR	HOR DIST	H3
BL32W		33			
BL30W	133°49'	1.89'	3°5'	188'	4.4'
L32N	43°41'				
L32N	223°26'				
BL34W	314°40'	1.90'	+5°30'	188'	
PI BL36W		33			4.7'
BL34W	133°55'	1.87'	-2°45'	186.5'	
L31N	44°13'				
L30S	223°57'				
BL38W	313°54'	33 1.93'	+2°30'	193'	
PI BL40W		34			4.5'
BL38W	133°53'	1.91'	-2°18'	191'	
L40N	44°03'				
L40S	224°03'				

STATION	HCR	R	VCR	HDE D.15'	HJ
42W	313°55'	1.98'	+4°12'	189'	
π BL 440		47			4.5'
BL 42W	333°25'	1.89'	-2°15'	189'	
L 44N	43°57'				
L 44S	223°57'				
BL 48W	312°53' 43°57'	⁵¹⁷ 303 1.24'	+16°40'	114'	
π BL 48W		529 325			4.6'
BL 45W	132°43'	2.55'	+3°03'	254'	
L 48 ¹⁵ W	222°02'	³⁰¹ 1.04'	-2°46'	103.7'	
BL 49W	312°18'	⁵⁶⁷ 491 2'	2°53'	111.7'	LAKESHORE
L 48N	42°08'				
	312°30'	OTHER SIDE OF LAKE			
π L 48 25		54 4			4.4
15	42°34'	88'	≈ 0°	88'	
LAKE SHORE	222°26'	²⁶⁵ 387'	≈ 0°	387'	
π 57S		528 343			4.6'
LAKE	42°30'	1.36'	-5°25'	135'	

STATION	NCP	P	VCR	HOR DIST.	H.I.
L48 -6+5	222°25'	⁹⁶ 72	20'	72'	
TT L48 7+005		⁸³ 30			4.6'
6+5	42°25'	47'	0+35'	47'	
S	222°46'				
517 W	316°47'	⁵¹² 105	+5°10'	104.2'	
TT 52W		⁵⁹⁶ 200			
51 W	134°10'	3.16'	-1°15'	316'	
L52N	44°25'	224°25'			4.4'
54W	314°42'	³⁰ 188'	+0°35'	188'	
TT 56W		65			4.7'
54W	134°55'	1.88'	≈ 0°	188'	
L56N	44°30'				
L56S	227°15'				
58W	314°5	¹⁶⁰ 182'	-3°45'	182'	
TT 60W		⁶⁵ 5			4.4
50W	134°40'	¹⁹⁷ 203	+2°40'	197'	
60N	43°30'	19			
60S	223°30'				

STATION	HCP	R	UCR	HOK DIST	HI
62W	314°10'	3.291'	+7°45'	191'	
TT 64W					4.7'
62W	134°28'	1.98'	-8°35'	198'	
L64N	43°50'	~			
L64S	223°50'				
BL66W	314°00'	^{1.08} _{1.95} 1.51'	+0°41'	151'	
TT 68W					
L66W	135°15'	1.23'	+2°08'	123'	4.4'
L68S	224°12'				
L68SS	44°30'	2.02'	+2°15'	202'	
TT L684S		⁶¹ ₇₅			2 nd 4 STA
5S	224°07'	1.86'	+5°15'	184.5'	4.5'
2S	44°48'	⁶ ₇₅ 1.94'	+0°50'	194'	
TT BL 68W		~74			4.5'
L682S	222°25'	2.08'	-6°15'	205.6'	
ACCESS L.K.S	132°21'				
L68N	43°28'				
BL 70W	311°41'	^{4.6} _{5.7} 1.89'	+8°50'	184.5'	

JUNE 18, 1967

PI PAUL S ANDALUK

RID MAC PETER

STATION	HCR	R	VCR	HCR DIST.	H.I.
PI BL28W		4.0			4.7'
BL30W	312°30'	1.89'	+2°15'	188.5'	
L28N	42°35'				
L28S	222°30'	$\frac{69}{78}$			
BL26W	132°33'	1.91'	-5°35'	189'	
PI BL24W		$\frac{58}{63}$			4.1'
BL26W	313°10'	1.95'	+5°30'	193'	
L24S	222°37'				
L24N	42°47'	$\frac{55}{64}$			
BL22W	133°02'	1.91'	-6°15'	189'	
PI BL20W		$\frac{55}{63}$			4.7'
BL22W	313°10'	1.93'	+2°16'	193'	
L20S	222°40'				
L20N	42°30'	$\frac{67}{74}$			
BL18W	132°32'	1.93'	-10°12'	193'	

STATION	HCR	R	VCR	HOR DIST	LII
π 145		^{6.01} 3.2 2.84			4.5'
115	43°10'	2.84'	+2°35'	283.4	
155	222°41'	⁹¹ 87'	+1°05'	87'	
π 185		^{2.5} 2.5			
155	43°10'	7.84'	+3°41'	283'	4.3'
215	223°14'	²⁷⁰ 270'	+3°37'	269'	
π 225		³⁸² 382			
215	43°25'	1.37'	-0°55'	137'	4.3'
255	223°25'	²⁵⁴ 254	≈ 0°	254'	
π 255		⁸⁹ 14			4.7'
255	43°45'	75'	+2°53'	74.7'	
285	223°18'	^{55.9} 1.95'	-8°09'	191'	
π 305		1.96			4.7
285	43°30'	1.96'	+8°40'	191.5'	
345	223°33'	³⁷⁶ 376	≈ 0°	376'	
π 375		⁶³ 2.1			4.7
345	43°17'	303	≈ 0°	303'	
405	223°03'	⁶⁰ 2.74	-2°45'	274'	

GRID BL-SURVEY.

STATION	HCR	R	VCR	HOB DIST	H.I
TB L 11LW		54 2			9.7'
9L114W	131°02'	1.91'	+4°17'	190'	
BL118W	31°09'	1.91'	-7°42'	191'	
TB L 120W					
BL118W	131°05'	2.02	+1°50'	202'	
L120N	35°05'				
L120S	219°00'				
BL122W	311°05'	1.90'	≈ 0°	190'	
TB L 136W					
			JUNE 27/67.		
T ₁ L	321°56'	^{8.4} 28'	≈ 0°	28'	
T ₁ R	344°33'	.40'	+4°00'	39.8'	
T ₂ R	326°05'	.60'	≈ 0°	60'	
T ₂ L	309°17'	^{9.1} .50'	≈ 0°	50'	
T ₃ R	312°33'	¹² 82'	+1°51'	82'	
T ₃ L	306°19'	82'	-2°26'	82'	
T ₄ L	38°08'	^{0.6} 7.2'	+9°00'	70.1'	
T ₄ R	47°04'	.59'	+8°41'	57.6'	

STATION	HCR	R	VCR	HOR DIST	HJ
TJBL136W					4.7'
L136N	41°28'				
L136S	221°22'				
BL134W	130°06'	⁷¹ 1.96'	+1°07'	196'	
TJBL132W		⁵² 07			4.6'
BL134W	310°05'	1.85'	+1°07'	185'	
L132S	222°20'	⁵ 7			
L132N	22°10'	80			
BL130W	130°10'	1.80'	-1°30'	180'	
TJBL128W		⁵² 72			
BL130W	310°24'	1.78'	-6°30'	176'	4.8'
L128S	220°37'				
L128N	40°49'	³⁴ 4			
BL126W	130°16'	1.94'	+1°50'	194'	
TJBL124W					4.8'
BL126W	509°59'	1.94	-1°35'	194'	
L124S	219°08'				
L124N	59°10'				

STATION	HCR	R	VCR	HOB DIST	HJ
BL122W	130°12'	1.91'	+1°28'	191'	
TTB412W					4.66'
BL114W	310°07'	1.90'	-5°00'	188.5'	
BL110W	130°20'	1.88 ⁷	+4°21'	187'	
TTBL108W					4.7
BL110W	310°19'	1.92'	-4°47'	191'	
L N	41°04'				
BL106W	130°00'	1.88 ⁶	+4°36'	187'	
TTBL104W					4.6'
BL106W	309°51'	1.87'	-2°51'	187'	
L109N	41°45'				
BL102W	130°19'	1.90'	+3°11'	189'	
TTBL100W		58 ₁			4.6'
BL102W	310°45'	1.93'	-4°37'	191.5'	
L100S	221°43'				
L100N	41°40'				
BL98W	132°35'	50 ⁵⁰ 1.91'	+6°53'	188.2'	

STATION	HCR	R	VCR	HOR DIST	H.I
TT B296W					4.7
B298W	310°46'	1.90'	-8°18'	186'	
B296W	43°10'	598 380			
B294W	131°19'	2.17'	+14°17'	204'	
TT B292W		514 336			4.8
B294W	310°38'	1.78'	-15°10'	166'	
L92N	42°13'				
L92S	221°41'	517 31			
B290W	131°47'	2.07'	+16°23'	190'	
TT B288W		538			4.8
B290W	310°43'	1.78'	-23°10'	150.5'	
SKONSING TENT	324°57'				
L88S	224°25'		712 104 55		
L88N	44°00'				
BL86W	131°47'	1.85'	205'	187.6'	
TT BL84W		800			4.5
B286W	312°43'	1.89'	+5°00'	187.6'	
L84S	223°03'				

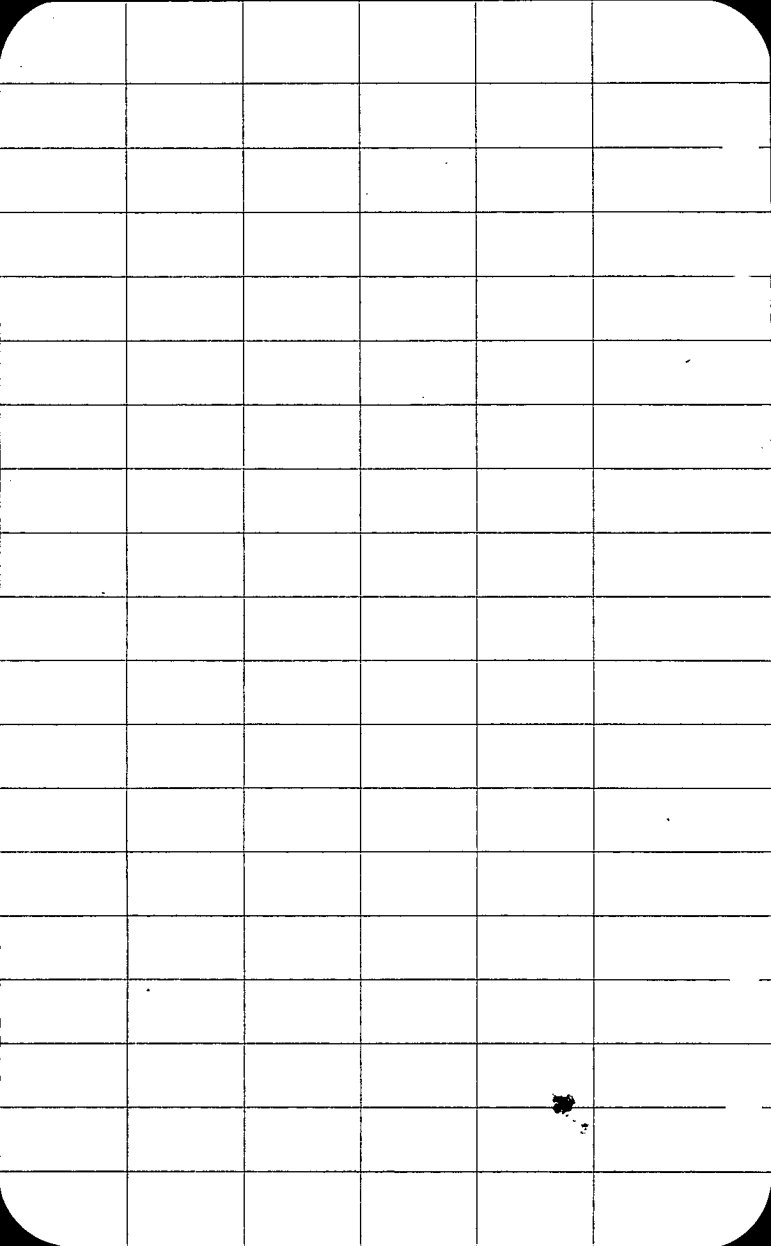
STATION	FCR	R	VCR	HOR DIST	HJ
L84N	43°26'	$\frac{58}{32}$			
BL84W	133°06'	2.6'	+4°57'	258'	
TTBL80W					4.8'
BL81W	313°30'	1.04'	+1°08'	104'	
L80N	43°13'				
L80S	223°24'				
BL79W	131°55'	1.03	+8°10'	102.5'	
		$\frac{624}{31}$			
TTBL64W 10N					
BL64W	131°58'	2.88'	-10°25'	278'	
TTBL60W 10W					4.2
BL64W	312°08'	.99'	-2°30'	98.5'	
L60N	42°02'				
L60S	222°37'				
BL58W	131°45'	1.30'	4°00'		
TTBL56W 10W		$\frac{70}{5}$			4.6
BL58W	310°53'	2.61'	+5°20'	260'	
L56S	222°42'				

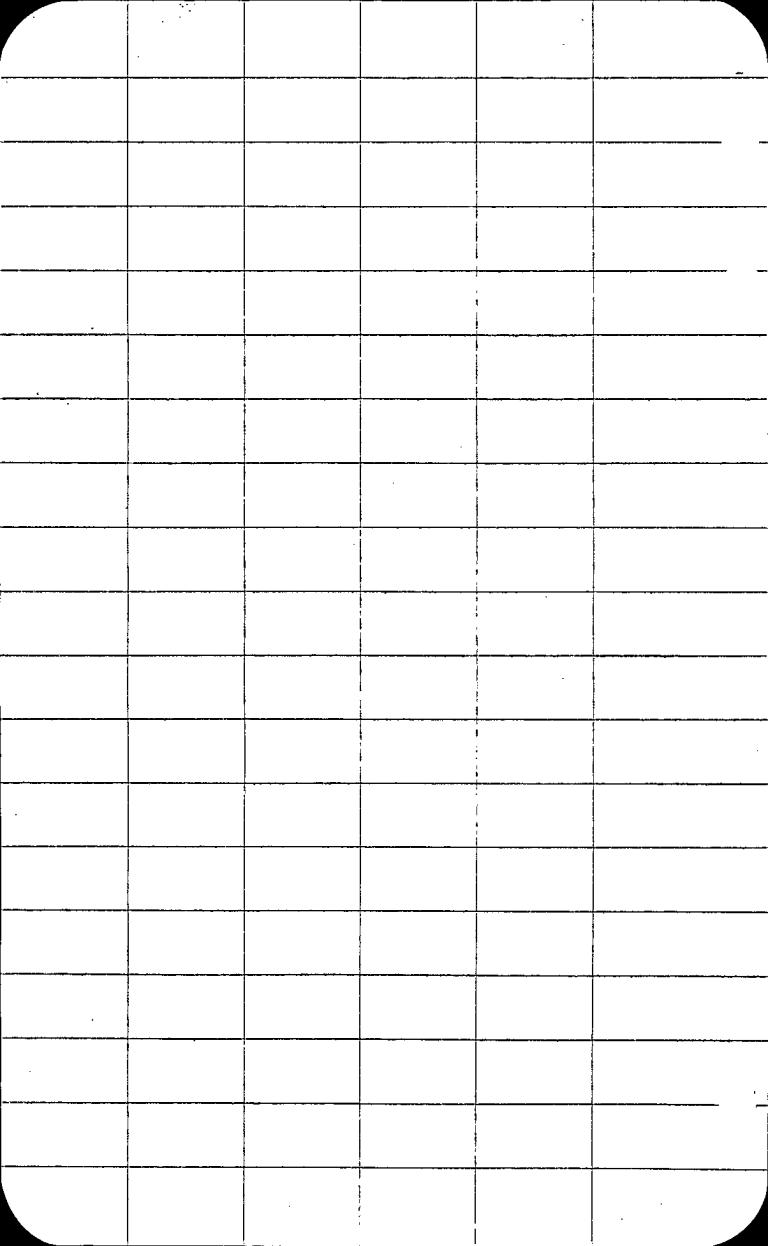
STATION	HCR	e	VCR	HCR DIST	HI
L5CN	02°11'	5.62			
BL5AW	130°30'	38 1.82'	+4°25'	182'	
TBL52W 10W					4.5
B254W	311°33'	1.98'	+3°00'	197.6'	
L52S	221°20'				
L52N	48°56'				
BL50W	181°45'	1.57'	+1°55'	197'	
TBL48N 10W					4.1
B250W	370°06'	1.93'	+1°00'	193'	
L48N	41°37'				
PA467 DH#1	221°31'	1.34'	-7°00'	133'	
TBL48N		7° _{27'}			4.7
PA467 DH#1	42°57'	3.30'	+5°18'	327'	
L48W 2N	220°50'	2.78'	≈ 0°	278'	
TBL48W		↘			100'
L48EN	41°55'	1.98'	≈ 0°	198'	100'

NORTH - PA4

GRID SURVEY

1





BATION	HCR	R	VCP	Dist 1135	1-13
BLOW	132°42'	1.97'	+8°10'	193'	
L4-2N	42°09'	1.29'	-1°15'	197'	
π L4-4N					4.8'
L0-2N	222°15'	1.91'	+1°06'	191'	
L4-	42°12'	1.35'	-1°38'	135'	LAKE SHORE
π L0-N					
L0-0N	41°33'	⁶⁰⁴ 2.78'	-9°35'	270.2'	LAKESHORE
L0-2N	222°33'	1.26'	+4°43'	125.1'	
π BLOW		³⁰⁰ 3.76 =85			4.6
L0-2N	43°00'	1.86'	-3°45'	185'	
BLOW	313°20'	1.91'	-6°33'	188.5'	
L0-5					
π 35		6.18 24			4.5
BLOW	43°11'	2.78'	≈ 0°	270'	
65	223°23'	2.96'	-3°40'	294.5'	
π 95	43°05'	3.5' or 2.00N			4.8'
65	43°05'	2.94'	+5°47'	291.0'	Y
115	223°19'	1.93'	+1°04'	183.0'	

STATION	HCR	R	ICK	HCR DIST	H.L.
TTBL16W					4.5'
B218W	322°	1.99'	+2°10'	198.5'	} OUT 10°
L16S	232°40'				
L16N	52°45'	66			
B214W	142°35'	1.82' ³⁷⁸	-9°30'	177'	
TTBL12W					4.7'
B214W	313°48'	1.98'	+3°00'	197.5'	
L12S	223°01'				
L12N	43°05'	67			
B210W	133°35'	1.90'	-6°25'	187.5'	
TTBL8W		57			4.5'
B210W	313°18'	1.94'	+10°10'	188'	
L8S	222°30'				
L8N	43°37'	41			
B26W	133°07'	1.84'	-5°23'	182.2'	
TTBL4W		43			4.3'
B26W	312°55'	1.86'	-1°18'	186'	
L6S	220°00'				

STATION BLINE	HCR	R ₂₂ 400	VCR	HOR DIST	HI
					4.8'
BL10E	315°17'	1.86'	-5°40'	184'	
BL12S	224°00'				
BL14E	135°30'	⁶⁶ 1.791'	+9°55'	185'	
TLBL16E					4.7'
BL14E	314°25'	2.00'	-11°18'	192'	
BL19E	134°18'	3.20'	+12°55'	304'	
TLBL20E		β			
BL19E	315°38'	.70'	+1°30'	70'	5.0'
BL22E	135°47'	⁵⁸³ 1.283'	+5°00'	162'	
TLBL24E					4.7'
BL22E	317°53'	1.98	-9°20'	193'	
L24S	224°00'				
BL25E	137°47'	¹⁵ 2.92'	+5°30'	91'	
TLBL28E					4.5
BL25E	317°20'	2.77'	+1°48'	277'	
BL30E	137°45'	1.91'	+8°45'	186'	
	44°N				

STADIA SURVEY OF GRID
ON RIDGE - EAST OF CAMP.

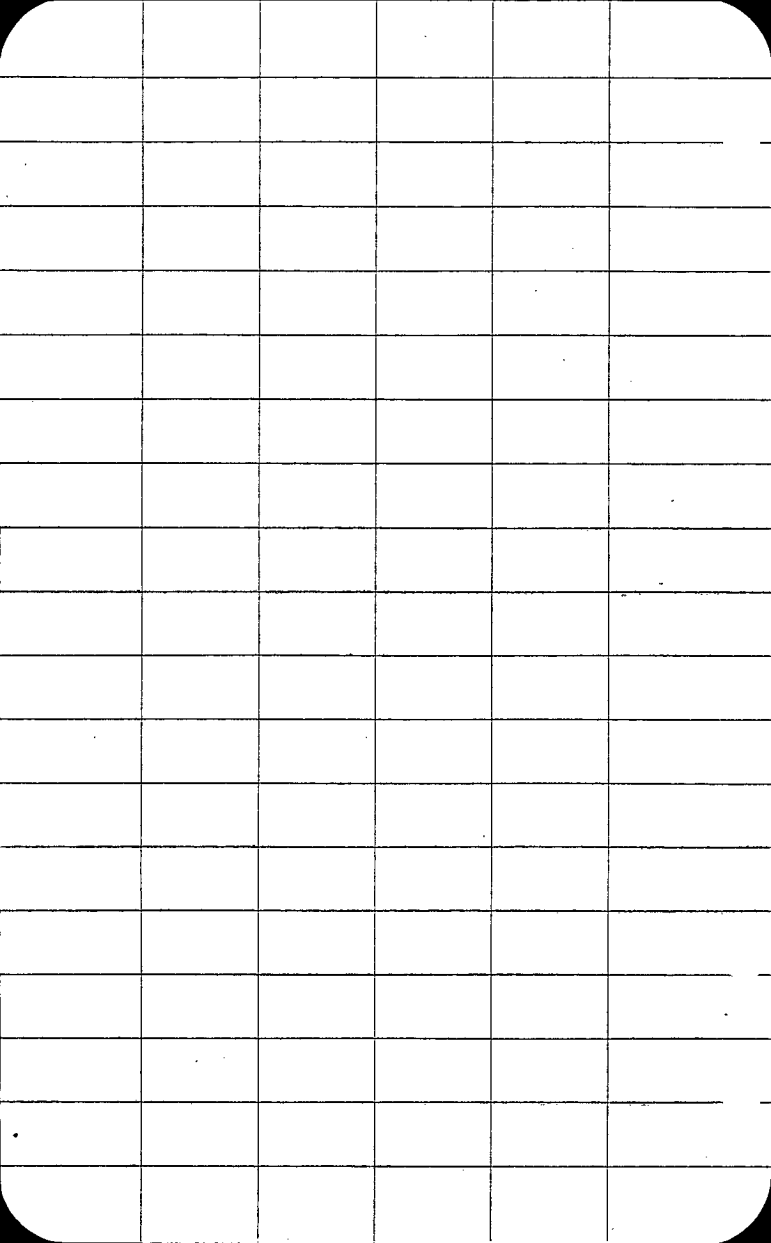
IT. PAUL SANDALUK

ROD: MIKE SHORTY

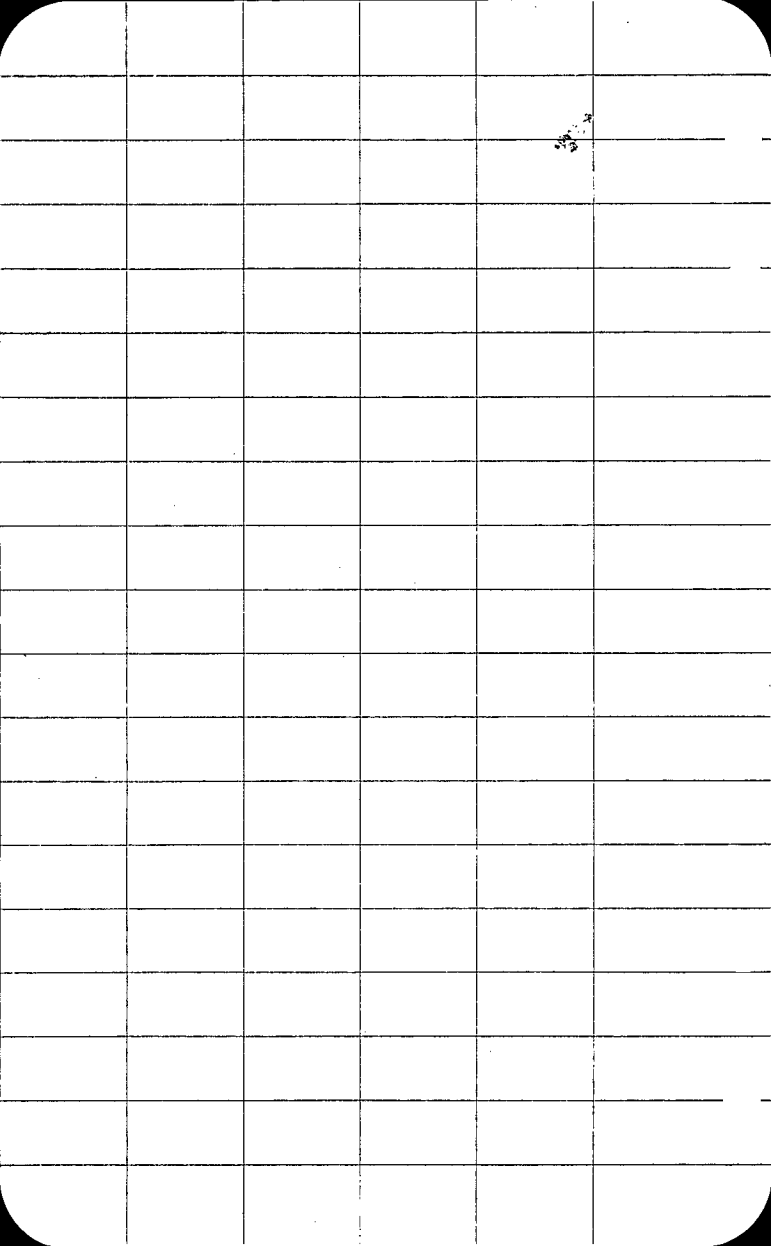
STATION	HCR	R	ICR	HOR DIST	H ₂
TTB ⁶ E					
L0S	220°00'				
BL1E	139°39'	.60'	+20°00'	53'	5.00'
TTB ³ E		^{0.9} ₃₈			
1E	310°25'	2.89'	73°47'	225.5'	4.5'
4E	130°31'	⁷³ ₂₆ 4.7'	+5°35'	46.5'	
TT4E	90°				4.7'
L4S	220°00'				
BL6E	134°08'	^{3.57} 2.26'	+1°00'	226'	
BL8E	1	^{5.42} 2.57			
BL6E	133°20'	1.88'	+2°00'	188'	4.4'
L8S	224°00'	^{2.8} 5.4			
BL16E	133°30'	1.74'	+1°20'	174'	

L. 36?

CLAIM - LINES



STATION	NCR	R	VCR	HOR DIST	HJ
# 2'S 111-112		28 3			4.6'
2S	231°48'	1.92'	-8°12'	188.0'	
TT 3S		06 13			4.7
2S	54°07'	0.93'	+8°29'	91'	
7S	232°50'	3.78'	-5°18'	374'	
7S		5.83 37			4.4'
TT 10S	52°50'	2.63	-6°38'	259'	
12S	233°04'	2.03	+9°25'	197.5'	
TT 13S		0.55			9.8
12S	53°30'	0.56	-6°20'	55.3'	
# 1'S 110-109 111-112	182°35'	1.02'	+7°30'	100'	
				<u>1264.8</u>	



STATION	HCR	e	VCR	HOR DIST	HJ
#2'S 113214					4.9'
#2'S ₁₁₃₂₁₄	43°22'	1.40'	-13°55'	132'	
3'S	233°12'	2.00'	-1°30'	200'	
#4'S					4.6
3'S	53°56'	1.22'	+9°25'	186.7' 186'	
5+20'S	236°18'	.79'	-9°45'	76.7'	
#7'S					4.7
5+20'S	⁸ 54°26'	1.50'	+17°30'	136.5'	
11'S	234°44'	⁶³⁷ 3 3.77'	-9°43'	366'	
#13'S					4.5'
1'S	54°47'	1.96'	+8°35'	191.5'	
#14'S	215°00'	^{53'} 31 31.61'	6°00'	159'	
#1'S					4.8
¹¹³⁻¹¹⁴ 14'S	51°48'	²⁷ 9 1.36'	+9°00'	132.5'	
				<u>1580.9</u>	

STATION	HCB	R	VCP	HOR DISE	HI
#2'S 115-46	NB	AT	15 - BL	98+50 W	
35	231°00'	2.82'	±0°	282'	
π55					4.7'
35	49°50'	2.00'	-3°04'	199.5'	
75	229°08'	^{3.9'} 1.92	±0°	192	
π85					4.65
75	48°05'	99'	+3°30'	93.0'	
115	228°05'	^{71.0} 293	±0°	293.	
NB L 100 - 115		BS	TRAIL		
11+305		✓	✓		
π 11+305					
# 1'S 115116	238°19'	2.99	+9°05'	<u>292'</u>	
				1352.1	

CLAIM LINE #9"

STATION	HCP	'R	VCP	HOK DIST	HI
#2'S 117-119		64 30			
35	231°04'	2.79'	26°	279'	
π55					4.6
35	51°21'	1.90'	-1°45'	190'	
75	231°21'	1.83'	+3°10'	182.5'	
π85					4.8
75	51°20'	1.04'	+4°13'	103.5'	
105	231°20'	2.10'	-1°10'	210'	
π115					4.5'
105	53°13'	6.98'	0°	98'	
#1'S 117-118	232°22'	2.08'	+0°53'	208'	
			TOTAL	1269.5	

STATION	HCR	R	VER	HOR DIST	HI
68W -105BL					
66W	132°15'	1.96'	+6°17'	194.'	
68-80	227°00'			100'	
N	42°22'	1.00			
TT64W					4.8'
65W	310°00'	1.98 1.98	+15°35'	91'	
E	138°00' 222°35'				
S	227°30'				
12W	41°47'	1.90'	+8°45'	185.5'	
TT4N		2.05			4.66'
12N	223°17'	2.65'	+4°52'	202.7'	
16N	42°50'	1.85'	-6°20'	178.0'	
TT20N		2.1			4.8'
16N	223°4'	4.06'	+11°19'	395'	
#2'S	48°48'	3.10'	-2°15'	309.5'	
133-135					

STATION	HCR	R	VCR	HCR DIST	HI
#15 TT 105 129 130		52'			46'
145	42°00'	397'	76°04'	393'	
TT 115		312'			
145	223°27'	2.95'	-5°17'	292	4.5'
105	43°57'	98'	71°15'	98'	
TT 75			1.88'		
105	222°48'	1.88'	-0°50'	1.88	9.8'
			JUNE 26, 1967.		
TT 151 45					
#2'S 129-130	133°37'	1.19'	-1°15'	1.19	

CLAIM LINE #3 JUNE 24, 1900

STATION	HCP	R	VCR	HOR DIST	HJ
#1'S 127-128					
68		68			
315		21			4.6'
#1'S 127-128	143°55'	07'	-2°00'	86.5'	
205	42°45'	2.85'	+6°04'	282'	
π 255		2.78			4.35'
285	223°05'	2.79'	-6°00'	275'	
215	42°55'	⁶⁵ 3.9'	+5°55'	386'	
π 185					
215	221°50'	3.15'	-7°55'	309'	
#2'S 127-128		92'			
	118°38'	92'	≈ 0°	92'	
		55'			
			TOTAL	1430.5	
				1430.5	

STATION	ACR	R	VCR	MOR DIST	HJ
#2'S 129-140		51 78			4.6'
15	225°00'	1.23	+1°20'	123'	
TT25	45°26'	1.82			4.1'
75	45°26'	1.82	+9°18'	181'	
55	225°10'	2.78	+2°03'	278'	
TT75		5 4			4.6'
55	43°47'	2.05	-5°00'	203'	
105	225°24'	2.98	+5°45'	295'	
TT115					4.6'
105	42°58'	1.01	±0°	101'	
#1'S 122-140	224°02'	⁵⁻⁷² 2.25	-7°08'	221'	
				TOTAL	1301.0

STATION	HCR	R	VCR	HOR DIST	HJ
#2'S 141 L44 J1+5 142		³⁰⁰ 288			
345	223°40'	2.52'	-8°05'	247'	
T1365					4.8'
385	42°06'	1.93'	+1°30'	193'	
395	222°45'	⁶² 2.91'	-4°30'	295'	
T1405					4.7'
355	43°00'	1.00'	+3.30'	99.6'	
445	223°15'	⁶⁵ 3.86'	1°25'	386'	
T1 #1'S 141-142		3.69			4.8'
445	114°05'	1.62'	+3°40'	161.4	
			TOTAL	1372.0	

STATION	HCR	R	VCR	HOR DIST	HJ
#1'S 149-150		HEADING 32°	NORTH		
1+N	45°	1.67'	+9°31'	162.5'	4.7'
π3 N					4.8'
1+N	224°00'	1.12'	-17°35'	102'	
5 N	45°00'	2.02'	+24°47'	166.3'	
π5+N					4.5'
5 N	228°15'	.60'	-24°39'	49.5'	
8 W	45°00'	2.33'	+12°40'	222'	
π8 N		77 80			4.7'
10 N	44°15'	1.84'	-3°13'	183.5'	
π11 N			1		
10 N	225°09'	1.06'	+7°12'	104.2'	4.5'
13 N	45°00'	44 1.87'	-6°38'	184.5'	
π13 N		0?			4.7
13	225°00'	.65	21°00'	56.5'	
#2'S 149-150	56°18'	56'	-71°00'	48.7'	
			TOTAL	4279.7	

#	HCR	e	VCR	HOP DIST	HT
#2 ¹⁴⁴ 25 ¹⁶⁵ 143.144		583 ₂₋₃			4.6'
185	222°45'	2.25'	+0°30'	225'	
π205		5.34 ₂₋₈			4.6'
185	44°00'	1.59'	+0°50'	159'	
29 ¹⁷⁹ 29 ¹⁷⁹	223°37'	3.17 ₁₋₆ 1.62	-5°40'	160.5'	
#24 ¹⁵					4.5'
21 ¹⁵	43°47'	3.62 ₃₋₈	+5°30'	299'	
27 ₅	222°59'	2.11'	-11°47'	202'	
π295					4.4'
27 ₅	43°00'	1.90	+4°45'	192.5'	
51 ¹⁵	223°15'	2.14'	-7°20'	210'	
π31 ¹⁵					
#1 ¹⁵ 143-140'	138°45'	0.7 ₁₋₇ 2.7'	-12°55'	25.6'	
<u>TOTAL</u>					1467.6

STATION	HCP	R	VCR	HOR DIST	H.I
POST 5 #12 15 145-146		23'			
35	225°00'	2.82'	-0°45'	282'	
T 55					4.4
35	44°00'	1.98	+0°00'	198'	
75	273°40'	1.84'	-2°00'	184'	
T 85					4.4'
75	43°07'	.99'	+3°05'	98.5'	
115	223°10'	2.80'	-2°10'	280'	
T 135		62 16			4.7
115	46°26'	1.86'	-2°35'	185.5'	
#15 145-146	276°12'	06 7.3' = 0°		73'	
NB. IS WEST OF L 44-165					
		12.94		TOTAL	1291.0

* | ----- * JUNE 23/67

CLAIM LINE #2.



TT P. SANDALUK
ROD M. SHORTY.

#2'S
147-148

		²⁵² 258			
45	225°0'	404'	≈ 0°	404'	9.6'
TT 6'S		⁷⁸ 42			4.8'
45	45°0'	2.36'	-8°30'	231'	
85	225°0'	⁴⁰⁹ 1.54'	-3°45'	153.5'	
TT 9'S					9.6'
85	45°30'	87	+5°20'	86.3'	
125	225°	⁷ 276'	-7°45'	271'	
NB.	115	15	42+50W	ON BL.	
TT 13'S					4.8'
125	45°	96'	+4°05'	95.5'	
145	225°25'	²⁵ 69		69'	
POSTS					4.5'
145	317°60'	49	-10°15'	43'	
#1'S	147-	49			
					TOTAL 1353.3'

FRACTIONS ON CLAIM LINES

LINE #1

INSTRUMENT: P. SANDALUK

ROD: - M. SHOETY

LINECUTTERS: - R. ETZEL
J. ACKLACK

STATION	HCR	R	VCR.	HOR DIST.	H.I.
CLAIM 42 POSTS	225°00'			163 - 166	
25	225°00'	1.98'	≈ 0°	198'	4.6'
75		⁶ 3.2'			4.5'
25	44°33'	2.75'	-5°33'	272'	
75	225°00'	³⁶⁹ 2.18'	+5°24'	216'	
75	45°45'	.86'	+3°25'	85.7'	4.7
105	225°00'	⁶¹ ³² 2.92'	+2°16'	292'	
135	45°17'	⁴¹ 1.93'	-1°18'	193'	4.5'
155	225°00'	¹⁰ 1.96'	+3°15'	185'	
TOTAL				1442.7	EAST

CLAIM POSTS
30' RIGHT

STATION	HCK	R	VCR	HOR DIST	HIF
#2's 168-164					
25	225°00'	⁵⁸⁷ 34 247'	+3°55'	246'	4.6'
π 45		⁵³² 488			
25	44°36'	144'	-1°15'	144'	4.6'
85	225°00'	⁴⁰⁶ 406	+1°15'	406'	
NOTE CAT BL. AT 7+50' @ 13W					10' RIGHT 4.75'
π 95		⁸² 12			4.7'
85	46°45'	66'	+2°20'	66'	
125	227°00'	²⁷⁵ 275	-2°00'	275'	
π 125+605	46°00'	⁵⁰¹ 138	= 0°	138 ⁶⁶	4.8
125				12	
155	226°00'	⁵⁸ 218	+3°25'	217.5'	
π 15+605		⁸⁸ 13			4.5'
155	46°30'	75'	-3°20'	74.7'	
165	227°36'	⁵¹⁸ 142	-1°00'	142'	CLAM POST
TOTAL					# 1 168-164
					<u>1709.2</u>
					<u>1637.2</u>

STATION	HCR.	R	VCR	HOR. DIST.	HI.
#25 161-162		5600 376 1.84'			4.4'
25	225°	1.84'	-2°25'	184'	
25		⁰⁰ / ₁₃ 95			4.6
25	44°58'	.95'	~0°	95'	
45	225°	732'	+7°45'	129.5'	
π 55		88 21			4.6'
45	40°25'	57'	~0°	57'	
85	225°	240'	+3°20'	239'	
π ↑ 85	47°45'	48'	73°20'	47.8'	4.6
115	226°35'	308'	-5°41'	305'	
π 13 ⁺ 505		218			4.6'
115	46°16'	2.18	+2.43	217.5'	
165	226°16'	252'	-4°15'	250.4'	
π 175	45°38'				
165	45°38'	0.81'	+6°00'	86.0'	
CLAIM POSTS		15' R	184'	#1's	
				161-162	
<u>TOTAL</u>					1710.7

STATION #2'S 13976 CLAIM POSTS	HCR	R	VCR	#OR DIST.	H.I.
2S	225°00'	1.91'	-5°35'	189'	4.6'
T135	45°00'	1.83'			
2S	45°00'	1.23'	+5°00'	122'	
TREE	225°00'	5.87 2.57'	-5°15'	252'	+31'
T 2 TREES		5.31 2.64			4.5'
9S	225°00'	2.70'	-6°30'	266.8'	
T105		2.9			4.81
9S	44°45'	+3.0	+2°45'	93.8'	
11S	225°00'	2.92'	-3°20'	91.7'	
T125		5.01 4.6			4.6'
11S	45°16'	85'	+0°50'	85'	
15S	225°00'	5.20 2.86'	-0°35'	286'	7
T15755	45°36'	55'		59.9	4.8'
15S	45°30'	55'	+3°00'	54.9'	
16+515	225°00'	85'	-1°40'	85'	
T16+565	225°16'	1.233'	-10°00'	119.2'	TOTAL
CLAIM POSTS RIGHT		971			<u>1696.1</u>

STATION	HCR	R	VCR	HOR DIST	HI
#12'S 157-158					
25	225°00'	1.90'	+3°40'	189.2'	4.5'
TT 35					4.7'
25	45°30'	1.06'	-1°45'	100'	
65	225°00'	3.02'	0°00'	302'	
TT 75					4.5
65	45°15'	.92'	+1°58'	92'	
115	225°00'	3.70' 3.70'	≈ 0°	370'	
TT 125		83			9.6'
#125	45°07'	.89'	≈ 0°	89'	
165	225°00'	3.78' 3.78'	0°40'	378'	
TT CLAIM POSTS		1/6'			4.6
165	45°20'	.76'	0°40'	76'	
CLAIM POSTS 309°45'		2.8' 2.8'	4°30'	27.8'	
TOTAL				#1'S 157-158	
1724.0				POSTS TO RIGHT (WEST)	
				ALONG SURVEYED LINE	
				POSTS AT 216 W	
				- 617005	

FOLLOWING LINE 16 W.

STATION	HCR	R.	VCR	HOR DIST	HI.
#2'S 155-156	224°38'	2.70	+1°38'		
645.	224°38'	2.70'	+1°30'	270'	
T1675					4.5'
645	44°30'	⁶⁰⁴ 2.85'	-1°00'	285'	
705	224°28'	2.95'	-2°25'	295'	
T1735					
705	44°20'	2.90'	≈ 0°	290'	4.4'
755	224°15'	1.90'	-3°00'	189	
T1765a					
755	44°40'	.97'	+2°41'	97'	4.9'
77+66	223°34'	1.60	-5°53'	158.3'	
TYING IN.		43'			
=	129°45'	.43'	-71°52'	41.2'	
CLAIM POSTS	315°10'	⁵⁸⁴ 1.24'	+8°55'	121.0'	
			TOTAL	746.5	
#1'S	155-156.				

JULY 4th, 1967.

GRID #1 - BASELINE #2

LEVEL SURVEY - FOR GEO-CHEM.

STATION HCR R VCR HOR DIST ELEV

BL 505
00E-00W 4.7 = HI

BL 505
2W 312°00' 2.71' -1°43'

TT BL 505
4W HI = 4.46' (@ 49°50'S)

2W 132°34' 1.80' +1°58'

5W 312°00' 1.03' -6°55'

6W 312°00' 1.88' -6°26'

7W " 2.85' -5°41'

~~TT BL 505~~
" 3.85' @ 49°00'S -4°33'

TT BL 505
11W 412°00'S 3 FT NORTH HI = 4.5

8W 131°43' 2.89' -4°26'

9W " 2.59' -7°07'

10W " 0.58' -11°55'

11W 312°00' 1.66' +6°47'

12W " 1.53' +6°50'

STATION	HCR	R	VCR	HOR DIST	ELEVATION
TL B12W		HI = 4.58'			
B13W	312°00'	⁵⁰⁴ 4.92	+1°51'		
B14W	"	1.90'	+1°56'		
B15W	"	⁶⁰³ 2.86'	+2°39'		
B16W	⊙ L16 A9+408				
TL B18W		⁶⁰⁴ 3.17	HI = 4.62'		
B19W	132°20'	2.87'	-3°39'		
B18W	"	⁴⁴ 1.88'	-3°43'		
B17W	"	⁰² 1.84'	"		
B19W	312°00'	0.893'	+1°57'		
B19+30W	- L20W - 48+103				
TL B22W		⁵⁹³ 3.11	HI = 4.1'		
B19W	131°17'	2.63'	+0°45'		
B20W	131°11'	¹⁰ 3.77'	≈ SAME		
B221W	131°00'	0.80'	-2°20'		
B23W	312°00'	⁸⁶ 9.3'	+3°10'		
B24W	"	⁵³⁷ 9.83'	+4°10'		
B24+30W	- L24 - 495 -				

STATION	HCR	R	VCR	HOR DIST.	ELEV.
405	221°44'	1.96'	-6°16'		
395	"	.97'	-9°59'		
375	41°40'	.92'	-3°30'		
TT395		H 4.6 ¹⁰ + .12			
375	221°00'	2.76	-1°00'		
365	221°00'	⁶¹ 1.83	-0°45'		
355	220°48'	¹² 1.84'	-1°20'		
335	41°17'	1.10'	+2°53'		
325	41°10'	2.09'	+3°22'		
315	41°14'	3.05'	+4°05'		
305	"	⁰⁰ 4.08'	+4°08'		

SET UP STATION	BACKSIGHT STATION	FORESIGHT STATION	HCR	R	VCR
585	HI = 4.8 605	+ .11 100.00 0.00	222°35'	@ 6.0' 2.02'	-0°05'
	595	99.99 .87	"	1.01'	+0°30'
	99.87 3.66	575	42°28'	1.00'	-2°06'
	99.99 .87	565	42°45'	1.98'	-0°30'
	99.93 2.82	555	42°35'	2.91'	+1°35'
	99.94 2.47	545	"	3.98'	+1°25'
		HI =	4.5'	-.08'	
525	545	99.71 5.34	@ 7.00' 222°42'	1.98'	+3°04'
	535	99.52 6.70	222°39'	.96'	+3°58'
97.68 15.04	5	515	43°08'	1.02'	-8°45'
99.27 8.54		505	43°12'	1.93'	-4°55'
99.69 5.57		495	43°09'	2.68'	-3°12'
99.85 3.89		485	43°00'	3.66'	-2°14'
	415	HI =	4.8'	-.03'	
L 8 W 445	485	99.99 1.13	222°05'	3.35'	-0°39'
	475	99.99 1.22	222°02'	2.83'	+0°42'
	465	99.95 2.18	221°52'	1.70'	-1°15'
	455	99.84 4.06	221°25'	.90'	-2°19'

JULY 8, 1967

INCL. DIST. HOR DIST DIFF IN ELEV ELEV.

202'	202	.18		
101'	101	.87		
100'	99.87	3.66		
198'	197.8	1.64		
291'	290	7.16		
398'	397	9.6		
198'	197.5	10.56		
96'	95	6.63		
102'	99.6	15.34		
193'	191.5	16.5		
268'	267	14.9	2937.44	2.44 61 3.05
366'	365.5	14.25	2938.69	
335'	335	3.79	2941.88	← 445
253'	253	3.05	2944.93	
170'	169.5	3.70	2938.18	
90'	89.7	3.65	2938.23	

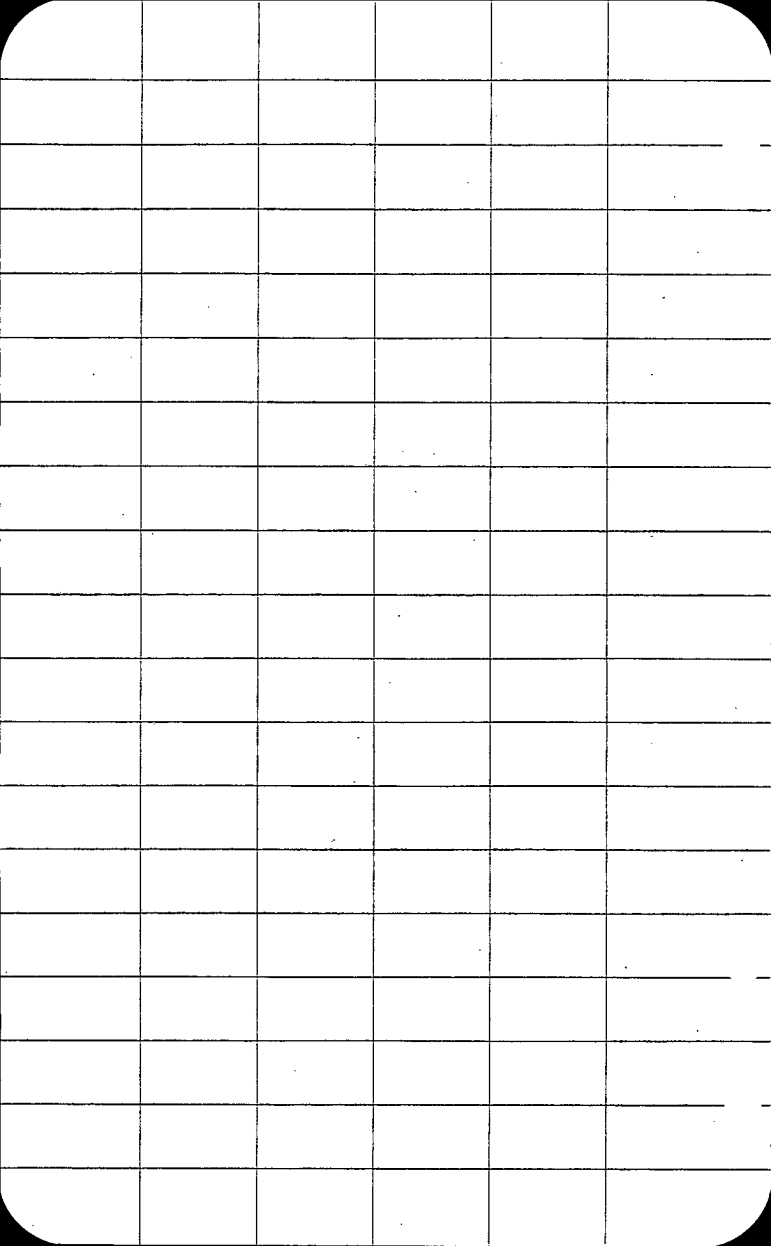
TT	B.S.	F.S.	HCR.	R.	VCR.
445	99.77 4.79	435	42°05'	⁵²⁵ ⁺⁴⁰ .81	-2°45'
	99.95 2.24	425	"	⁷² 1.66	-1°17'
	99.98 1.34	415	"	¹⁶ 2.74	-0°46'
	100.00 .67	405	"	⁶⁷ 3.71	-0°23'
1		395 =	4.8' + .04'		
L8W 385	405	99.98 1.31	222°11'	⁹⁹ 1.81	-0°45'
	395	99.99 1.11	222°20'	²⁵ 1.81	-0°38'
	99.96 2.01	375	41°33'	.881	+1°09'
	99.98 1.48	365	"	1.92	+0°51'
	99.98 1.60	355	"	2.96	+0°55'
	99.98 1.45	345	"	3.92	+0°50'
		HI =	4.9' - .06'		
L8W 325	345	99.97 1.80	221°31'	^{0.1} 1.81	-1°02'
	335	100.00 0.00	221°24'	@6.3 98	0°00'
	100.00 0.40	315	41°20'	@5.02 8.5	0°00'
	99.87 3.66	305	41°30'	1.78	+2°06'
B.O.2 4.84 -1.48					

INCL. DIST.	HOR. DIST	DIFF IN ELEV.	ELEVATION	2941.88
81'	80.6	3.88	2938.0	
166'	165.8	3.72	2938.16	
274'	273	3.68	2938.20	
371'	371	2.48	2938.40	
181'	180.8	2.37	2941.77	← 385
87'	87	.96	2940.81	
88'	88	1.77	2943.54	
192'	192	2.84	2944.61	
296'	295	4.64	2946.41	
392'	391	5.7	2947.47	
187'	186.2	3.36	2950.83	← 325
98'	98'	-	2949.37	
85'	85'	-	2950.65	
178'	177	6.52	2957.35	

#	B.S.	F.S.	HCR	R.	ICR.
		HI = 4.8'	✓		
L4W 335	305	100.00 47	43°21'	2.99'	-0°16'
	315	100.00 0.00	@ 5.4' 43°20'	2.06'	0°00'
	325	100.00 0.00	@ 4.7' 43°20'	1.02	0°00'
	99.84 4.01	345	223°00'	1.01'	-2°18'
	99.88 3.49	355	"	2.00'	-2°55'
	99.73 5.23	365	"	3.00'	-2°30'
		HI = 4.8 + .12'			
36+5	365	99.24 8.68	43°46'	1.77'	+5°00'
	93.21 25.15	37+5	224°41'	.36	+15°06'
		HI = 4.9 + .02'			
395	37+5	97.20 16.50	44°48'	1.73	+9°38'
	385	97.88 14.40	"	1.01'	+8°22'
	99.96 2.09	405	224°45'	1.94'	-1°12'
	99.96 2.09	415	"	1.88'	"
	100.00 0.00	425	"	@ 3.5, 2.89'	0°00'
	99.93 2.62	435	225°00'	3.78'	+1°30'

INCL. DIST.	HOR DIST	DIFF IN ELEV.	ELEVATION	
			3015.69	← 385
299'	299	1.31	3014.38	
206'	206'	-0.60'	3015.49	
102'	102'	+0.10'	3015.79	✓
101'	100.4	4.03	3011.66	
200'	199.76	6.98	3008.71	
500'	299.19	15.69	3000.00	
			2993.32	← 365
77'	76.4	6.68	3000.00	
30'	28	7.54	3000.86	
			2972.36	← 385
173'	168	28.5	3000.86	
101'	98.00	14.41	2986.77	
94'	93.8	1.97	2970.39	
188'	187.	3.93	2968.43	
289'	289'	+1.42'	2973.78	
378'.00'	377.5	9.85	2982.21	

TI	B.S.	F.S.	H.C.P.	R.	V.C.R.
L4W		HI = 5.0 + .1'			
45+5	935	99.85 3.84	44°07'	¹¹ ₉₅ 2.99	-2°14'
	445	99.87 3.57	"	1.21'	-2°03'
	98.72 11.25	465	224°26'	³³ 6.6'	-6°30'
I		HI = 4.2 + .42			
495	465	100.00 .74	43°55'	² 2.82'	+0°22'
	475	100.00 0.00	91'	@ 3.87 1.88'	0°00'
	485	100.00 0.00	"	@ 3.59 9.4'	"
	99.50 7.10	BL	824°00'	⁶⁵ .53'	+4°05'
	99.53 6.84	505	223°42'	.96	+3°56'
		HI = 4.6' 42.42			
LD	100.00				
505	.35	515	221°30'	4.92	-0°12'
	99.97 1.86	525	221°51'	1.87	-1°04'
	99.98 1.28	535	221°52'	² 2.86'	+0°44'
	99.93 2.62	545	221°57'	⁴⁵ 3.71'	+1°30'
	99.93 2.76	555	"	⁶⁵ 4.66'	+1°35'



INCL DIST.	HOR DIST	DIFF IN ELEV	ELEVA-	
			2990.61	← 4575
219'	218.4	8.4	2982.21	
121'	120.4	4.32	2986.29	
66'	65.2	7.42	2983.19	
282	282	1.81	2981.38	← 455.
1.88'	1.88'	+ 0.75'	2980.63	
1.88 94'	94'	+ 1.03	2982.41	
53'	52.7	3.76	(2987.94)	
96'	95.5	6.56	2987.94	
92'				
187				
286'				
371'				
466'				

TI	B.S.	F.S.	HCR	R	VCP
			HI = 4.3 + 0.20		
575	555		42°30'	1.95 ^{@ 3.00'}	-2°37'
	565		"	1.00'	-2°45'
		585	223°35'	.94'	+5°10'
		595	223°25'	1.83 ²	+4°52'
		605	"	2.85 ³ @ 6.50'	+4°45'

INCL
DIST

HOR
DIST

DIFF
IN
ELEV

ELEVATION

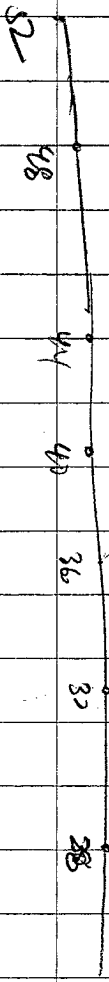
195'

100'

94'

183'

285'



W.D.M.
W.D.M.
W.D.M.

W.D.M.
W.D.M.
W.D.M.

STATION	HCR	R	VCR	HOR DIST	ELEV.
π BL 25 ⁺ W		388 ³ 44	HI = 4.7'		
BL 24W	132°09'	1.44	-7°37'		
BL 25W	132°22'	.50	-5°30'		
BL 26W	312°00'	⁹² 44	-0°25'		
BL 27W	"	1.32	≈ 0°00'		
BL 28W	"	³⁵³ 224	= 0.5'		
π BL 28W	HI =	4.4'			
29W	312°00'	⁷ 084	100		
30W	"	³⁹³ 1.05	-1°00'		
31W	"	2.95	0°37'		
32W	"	⁶⁴⁰ 3.83	+1°45'		
BL 28 + 20W		E. L 28 -	49 + 405		
BL 32 + 60'W		E. L 32 -	46 + 505		
π BL 33W			HI = 4.82'		
BL 32W	131°18'	1.00	-5°00'		
BL 34W	312°00'	² 94	-3°12'		
TRAFFIC RIGHTWAY PIA	110°30'		+3°57'		
BL 35W	312°00'	⁵⁹⁰ 1.06	-5°15'		

STATION	HCR	R	VCR	HSE D.S.	ELEV
B236W	312°00'	⁶²² 3.82'	-4°31'		
B237W	"	⁶²³ 3.77'	-3°35'		
B237+15W	⊙	L36	-50	+205	
TB239W	AI =				
B237W	131°50'	⁴⁹⁶ 3.09'	-0°05'		4.3
B238W	"	⁴⁹⁷ 3.59'	-0°05'		
B240W	312°00'	⁷⁸ .97'	↑		
B240W	"	⁵⁰⁰ 1.42'	+2°48'		
L40	-475	+25'			
TB242W		⁵² 3.9'	HJ =	4.5'	
B240TW	132°00'	1.41'	+2°17'		
B241W	"	.89'	+2°38'		
B243W	312°00'	.97'			
B244W	"	⁵¹⁵ 1.87'	-1°08'		
A704+50W (ON BL) - L44 - 49+505					
TB246W	132°12'	⁵¹⁰ 3.55'	HJ =	4.58'	
44W	132°12'	1.85'	+1°20'		
45W	"	.94'	+1°53'		

STATION	HCR	R	UCR	NOR DIST	ELEV
BL 48W	312°00'	96'	-5°00'		
BL 48W	"	592 1.72'	-5°05'		
TL L 48515	46				
BL 48W-50	41°42'	1.00'	+1°55'		
SHOWING ON	180°29'	10.7'	+15°00'		
THILL IDH	↙ 354°47'	H _S = 4.68 4.11'	-17°29'	NOT AT H _S	
OH					
TRAFFIC					
LEFT PEAK	9°25'	4.11'	+3°59'		
LEVEL SURVEY -				JULY 5, 1967	
TL BL 48W 10' S OF 505		H _S = 4.57'			
BL 51W	312°00'	2.76'	-3°16'		
BL 50W	"	54 1.91'	-3°06'		
BL 49W	"	.97'	-3°30'		
L 48-49+50	40°50'	B 2'			

STATION	HCR	R	VCR	HOR DIST	ELEV
T148 -085		^{1.0} 352 158	HI = 4.14		
48+905	221°33'	1.58'	+0°00'		
495	222°37'	⁷⁰ 1.96'	-2°00'		
475	42°31'	1.92'	-2°16'		
465	42°26'	⁵⁰³ 1.77'	+3°43'		
T 43+305	222°08'	HI = 4.68 2.60	-0°35'		
455	"	⁴³ 1.68'	+0°05'		
445	"	1.73'	-6°40'		
47+5	41°03'	^{3.5} 1.54'	-16°18'		
45+5	41°15'	^{6.5} 2.72'	-4°41'		
T 38+5		^{5.02} 2.00	HI = 4.6		
40+5	220°20'	1.62'	-8°00'		
395	"	^{6.2} 1.44'	"		
385	42°30'	1.48'	+4°30'		
375	42°16'	^{3.2} 1.36'	+4°05'		
T135+5			HI = 4.58		
375	721°33'	1.26'	-2°26'		
355	43°26'	⁸⁵ 1.49'	+9°45'		

STATION	HCR	R	UCR	HOR. DIST	ELEV
345	42°50'	2.42'	+8°49'		
TT325			HI = 4.70		
345	221°42'	1.82'	-4°39'		
335	221°55'	.86'	-5°37'		
315	41°53'	.96'	+4°00'		
305	41°55'	1.91'	+3°57'		
LINE	4.0 -			HI = 4.57	
TT325	44°47'	1.90'	-0°13'		
305 ↗		.85' (DRAWN)		- (30 - 31 + 505)	
305		1.55'			
31+505	44°28'	2.5'	-0°48'		
335	223°24'	.98'	-3°11'		
345	223°41'	2.02'	-4°10'		
355	223°40'	3.08'	-3°45'		
365	223°41'	4.13'	-3°21'		
TT38+5			HI = 4.8		
365	43°26'	2.60'	+7°54'		-2'
375	43°24'	1.73'	+8°54'		

STATION	HCP	R	VCR	HOF DISC	ELEV.
385	43°30'	⁴⁹⁴ 73'	+7°29'		
405	222°50'	⁴² 1.23'	-16°10'		
415	222°08'	²⁸⁹ 2.718'	-10°29'		
425	222°16'	⁵⁰² 3.14'	-4°35'		
(STATION MISSING)		⁵³⁹ 4.03'	+0°03'		
435	223°16'				
43 ⁺ 5	223°17'	⁷¹⁷ 4.72'	+1°08'		
TT 435		4.20	4.8'		
42 ^P	40°58'	⁶² 36'	+0°51'		
445	222°41'	.98'	-11°56'		
455	222°40'	1.99'	-8°35'		
465	222°39'	3.03'	-5°58'		
475	222°55'	⁵⁸⁰ 4.82'	-4°26'		
TT 485		4.11	4.8175		
475	44°30'	1.22'	-3°42'		

SHORT OF SOUTH END BY 15'

L 47 W - N

STATION	HCR	R	UCR	HOR DIS.	CECU.
4875		HI = 4.5'			
BL	224°25'	1.01'	-9°18'		
485	44°19'	40'	-12°03'		
475	44°29'	1.34'	-7°25'		
465	44°12'	2.29'	-3°23'		

TT 4475

HI = 4.8

465	222°46'	1.53'	-7°30'		
455	222°35'	.52'			
445	42°35'	.49'	-6°51'		

L 36 W

JULY 6, 1967.

TT 485

⁵⁹⁷
306

HI = 4.5

505	225°12'	2.91'	-1°16'		
495	"	1.56'	-0°40'		
485	"	1.00'	+0°05'		
465	45°00'	.98'	+0°50'		
455	45°02'	1.96'	+0°41'		
445	44°57'	2.92'	+2°12'		

STATION	HCB	R	UCR	HCB DIST	ELEV
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TT 995

⁶⁸³
278

HI = 4.8

445

224°28'

4.07'

-2°42'

435

224°25'

⁴¹
3.14'

-5°03'

425

223°53'

⁵⁰⁶
2.372'

-11°10'

WATER
LEVEL

⁵⁸⁷
2.717'

-14°08'

4045

223°22'

⁵⁰⁰
1.58'

-21°20'

395

45°04'

⁴⁵³
55'

+5°12'

385

44°40'

⁵⁵⁴
1.551'

+7°53'

375

44°35'

⁶⁰⁰
2.543'

+9°00'

3445

44°35'

⁷⁰⁵
4.671'

+9°26'

TT 335

⁵⁵³
3.86

HI = 4.7'

3445

224°08'

1.67'

-0°40'

345

223°35'

.99'

-1°41'

325

44°47'

.90'

-3°27'

315

44°40'

⁶³
1.85'

-1°12'

305

44°35'

⁶¹³
2.78'

+0°16'

L 32W

STATION	NCR	R	ICR	HOR DISC	ELEV
TT31 ⁺ 5			HI = 5.00'		
30S	42°38'	1.85	+2°03'		
31S	42°24'	^{5.92} 5.82	+4°16'		
32S	222°16'	^{3.8} 6.0	-11°08'		
32 ⁺ S	222°22'	^{5.62} 1.26	-12°28'		
TT35S		HI	4.7'		
32 ⁺ S	42°46'	^{5.7} 2.54	+11°59'		
34S	42°48'	1.12	+6°14'		
36S	222°51'	1.96	-1°45'		
37S	"	1.95	+2°00'		
TT37 ⁺ 5		2.72	HI = 5.00'		
37S	42°18'	.72	+5°20'		
38S	223°00'	^{2.5} 2.49	-17°41'		
38 ⁺ S	222°28'	^{1.7} 1.17	-11°04'		
40S	222°39'	^{6.16} 2.23	-12°30'		
41S	222°41'	^{6.5} 3.03	-8°05'		
42S	222°44'	7.10	-3°25'		

STATION	HCR	R	VCR	NOB. DIST.	ELEV
11415	4	^{62.0} 2.65	HI = 4.9'		
425	43°51'	2.65'	-0°32'		
435	"	1.77'	-1°28'		
445	43°05'	²⁵ 1.70'	0'		
465	222°38'	1.30'	-3°37'		
475	223°01'	^{60.0} 2.32	-1°40'		
825	222°50'	²⁰ 2.56	-1°49'		
	L 28 W				
11455		³⁰ HI = 4.8			
BL	222°00'	2.72'	-2°00'		
485	221°49'	^{60.0} 2.40	-1°58'		
475	- " "	^{25.0} 1.45	-4°35'		
465	"	⁰² 1.44	-7°30'		
455	41°33'	.52'	-1°20'		
445	41°42'	^{25.0} 1.44	-1°09'		
11425		HI = 4.5	-1'		
445	222°24'	2.00'	+5°05'		

STATION	L16 W HCR	R	VCR.	HOR DIST	ELEV.
TJ335		HI = 4.7'			
305	44°28'	2.8'	+3°10'		
315	"	1.92'	+2°35'		
325	"	.94'	+1°39'		
335	223°43'	.51'	-3°24'		
355	224°23'	^{@ 7.5'} 1.89'	-4°40'		
365	224°33'	2.89'	-3°40'		
TI 385		HI = 4.7 + .08			
385	44°35'	1.99'	+1°15'		
375	44°30'	.92'	-4°50'		
395	224°37'	.97'	-1°36'		
405	224°48'	^{@ 7.00'} 2.00'	-2°35'		
415	224°42'	^{@ 6.5'} 3.02'	-2°39'		
TI 425		HI = 4.7 + .10			
415	42°53'	.93	+0°15'		
435	224°12'	.97	-5°10'		
445	223°57'	1.93'	-5°38'		
455	223°55'	2.90'	-3°28'		

STATION	HCR	R	VER	HOR DIST	EL
TT485				HI = 4.7 + 0.02	
455	43°58'	2.88'	-2°16'		
465	"	1.91'	-1°53'		
475	43°45'	.97'	-2°21'		
BL	224°20'	.96'	0°00'		
	L12W				
TT485				HI = 4.8 - 0.02	
BL	221°05'	2.16'	-2°21'	@ 6.05	
495	220°43'	1.09'	-1°36'		
475	40°26'	7.6'	-6°00'		
465	40°31'	1.68'	-5°16'		
455	40°26'	2.62'	-4°51'		
445	40°33'	3.68'	-3°07'		
435	40°38'	4.64'	-2°39'		
TT385				HI = 4.6 ✓	
435	221°14'	4.73'	-4°00'		
425	"	3.75'	-4°29'		
415	"	2.90'	-5°45'		

VCR.	INCL DIST	HOR DIST	DIFF IN ELEV	ELEV.	NOTES
-6°46'	97'	95.5	11.35	2933.01	
+5°24'	98'	97	9.78	2954.87	
+6°08'	196'	193.5	2.08	2966.49	
+6°08'	291'	287.5	30.9	2975.06	
-5°25'	100'	99.11	9.40	2982.54	← 575
+5°00'	88.7'	88.0	7.71	2990.25	
+5°46'	176.5'	175	17.65	3000.19	
+5°36'	233'	231	22.6	3005.14	
+3°41'	251'	250	16.09	2989.83	← 525
+3°57'	209'	208	14.35	3004.96	* 15 13
+3°35'	104'	103.5	6.49	2997.10	+7.27
-4°25'	114.5'	113	8.75	2981.08	
"	213'	212	16.38	2973.45	

TT	RD HT	B.S.	I.S.	HCR	R.
L96		NI = 4.30'			
52S	4.00'	505 } ON BL } 99.66W 99.68 5.78		41°45'	2.3 1.86
	6.00'	515	99.75 9.20	"	1.92
	4.30	98.54 11.98	53S	221°43'	.96'
	4.30'	98.01 13.95	54S	"	2.4 1.87'
	5.00'	98.14 13.50	54+S	"	1.0 2.14'
		NI = 5.00'			
56+S	10.00'	54+S	99.17 9.08	42°12'	2.31'
	9.50'	55S	99.34 8.14	"	1.64'
	"	56S	99.71 5.40	"	8.1 6.7'
	5.00'	95.53 20.66	57S	223°30'	2.7'
	2.50'	99.00 9.97	58S	222°30'	1.27'
		NI = 4.56			
59+S	11.60'	58S	98.63 11.64	41°39'	1.16'
	4.00'	59S	95.25 21.26	"	0.95 1.75'
	3.40'	96.18 19.16	60S	221°46'	0.75'
		NI = 4.70'			2.9
61+S	2.40'	60S	99.65 5.92	42°00'	1.77'

VCR	INCL DIST	HOK DIST	DIFF IN ELEV	ELIV	NOTES
				3618.45	← PL
-3°17'	186'	186'	10.75'	3028.90	← 52S
-5°18'	92'	92'	8.4'	3018.80	
+6°56'	96'	94.5'	11.5'	3040.40	1.7 2.0
+8°06'	187	183	26.05	3054.95	1
+7°50'	214'	210	28.9	3057.10	(thump?)
+5°14'	231'	231'	21.0'	3041.10	← 56+S (approx. 2.0)
+4°41'	164'	164	13.4'	3055.80	
+3°06'	67'	67'	3.62'	3045.22	4.12 1
-12°12'	27'	25.8'	5.57'	3035.53	
-5°45'	127'	127'	12.7'	3030.90	
+6°44'	116'	115'	13.5'	3024.44	← 59+
+12°35'	17.5'	16.7'	3.7	3028.70	
-11°16'	75'	72	14.4'	3011.20	
+3°24'	177'	177'	10.5'	2999.40	← 61+S

π	$\frac{R^2}{H.C.}$ ^{4.00}	B.S.	F.S.	H.C.R.	R.
60 ⁺ 5	5.66'	615	99.65 5.92	42°00'	^{0.5} 7.8'
	6.00'	95.18 21.52	625	222°46'	^{1.8} 3.45'
	1.12'	93.01 25.50	62 ⁺ 5	"	^{4.8} 7.2'
	HI = 4.73'				^{9.3} 4.65'
645	3.00'	62 ⁺ 5	99.38 7.82	42°24'	1.66'
	4.42'	635	99.38 7.82	"	1.065'
	4.73'	99.02 9.85	655	222°50'	.96'
	11.00'	98.94 10.25	665	"	1.96'
	HI = 4.88'				
655	3.80'	665	99.42 7.62	41°23'	^{3.5} 3.07'
	5.00'	675	99.44 7.48	"	2.06
	4.96'	685	99.44 7.48	"	1.07'
	4.88'	96.98 17.10	705	222°22'	0.95'
	7.00'	97.04 16.96	715	"	1.99
	4.50'	97.43 15.86	725	"	^{4.52} 3.04'
	HI = 4.90'				
765	4.00'	725	99.68 5.63	42°05'	4.00'
	5.00	735	99.71 5.37	"	^{5.2} 3.05'

VCR	INCL DIST	HOR DIST	DIFF IN ELEU	2999 ⁴⁰ 18 ¹² ELEU.	NOTES
+3°24'	78'	78'	4.6'	3003.04	
-12°45'	34.5	33'	7.2'	2990.68	
-15°20'	72'	67'	18.2	2984.78	
+4°30'	166'	166'	13.0'	2970.03	← 645
"	106.5'	106.5'	8.33'	2978.69	
-5°41'	96'	96'	9.4	2960.63	
-5°55'	196'	194'	20.5'	2943.26	1
+4°23'	307'	307'	23.4'	2918.78	← 645
+4°18'	206'	205	15.4	2934.06	
"	107'	106	8.0	2926.62	
-10°00'	95'	92	16.25	2902.53	
-9°55'	199'	194	33.80	2895.86	32 ⁹²
-9°15'	304'	296	28.48.2	2870.96	
+3°14'	400'	398	22.52	2849.34	← 765
+3°05'	305	304.5	16.4	2865.64	

IT	RD HT	B.S.	F.S.	HCR.	R.
765	5.40'	745	99.66 5.86	42°05'	^{44.5} 2.075
	4.00'	755	99.69 5.57	"	⁵³ 1.06'
	4.20'	^{99.80} 4.42	775	222°04'	.99'
	5.00'	^{99.71} 5.37	785	"	^{67.5} 2.055'
	4.20'	^{99.70} 5.46	795	"	3.22'
	4.60'	^{99.69} 5.52	805	"	¹⁷ 4.20'

2849.34, 4.90

$$\begin{array}{r} 2849.34 \\ 6.82 \\ \hline 2856.16 \end{array}$$

$$\begin{array}{r} 5.92 \\ 97 \\ \hline 6.82 \end{array}$$

VCR.	INCL DST	HOR DST	DIFF N ELEV.	ELEV.	NOTES
					JULY 23, 1967.
	Elev. $\frac{1}{8}$ BL = 2909.25				
+2°22'	266'	265.8	11.00	2887.59	-11.66 ← 535
"	185'	184	7.64	2895.33	+7.74 { SWAMP WATER } +3.38
"	90'	89	3.72	2890.97	
0°00'	—	85'	4.67'	2889.26	
+0°50'	168'	168	2.44	2890.69	+3.10
+0°42'	260'	260	3.17	2890.42	+2.83
					11.70 6.11 1.79
+2°43'	272'	271	12.9	2879.10	← 595 - 11.32
"	281'	180	8.58	2888.71	+2.00
"	91'	90.6	4.32	2883.64	+4.54
0°00'	—	91'	-2.44'	2876.66	
-2°33'	180'	179.5	8.00	2869.92	-9.00
-2°30'	279'	276	12.2	2867.72	-11.38 1.32
-2°31'	376'	374	16.5	2863.42	20.5 4.82 - 15.68
+ 1°36	EAST END OF CLEARING FOR CHOPPER BETWEEN C666 & 7				
+1°30'	182'	182	4.77	2859.01	← 665 9.27 4.86 - 11.42
+2°13'	82.5'	81.5	3.19	2861.06	8.05 6.00 + 2.05

TT	RD HT	B.S.	F.S	HCR	R
7665	8.59'		675	227°22'	⁹⁹ 91'
2859.01	9.00'	99.73 5.17	685	"	⁹⁹ 1.89'
	5.74'	99.69 5.57	695	"	⁷¹⁵ 2.85'
	HI = 4.94'				
715	5.00'	695	^{99.43} 7.53	46°17'	1.805'
^{18.54} 7.00'	4.00'	705	^{99.40} 7.71	"	⁴⁹ .88'
	4.94'	^{98.48} 12.24	725	226°32'	.84'
	6.00'	^{98.83} 10.74	735	"	1.70'
	3.73	^{99.08} 9.54	745	225°18'	⁰⁰ 2.955'
	HI = 4.29'				
765	8.50'	795	^{99.58} 6.02	46°06'	^{4'} 1.681'
	4.50	755	^{99.88} 3.49	"	.90'
	8.24'		775	225°50'	⁸⁸ .88'
	5.00'	^{99.90} 3.14	785	"	⁸³ 1.867'
	6.00'	^{99.91} 3.05	795	"	⁵⁶ 2.885'
	4.00'	^{99.92} 2.85'	805	"	⁰³ 3.83'
					1

VCR	INCL DIST	HOR DIST	DIFF IN ELEV	ELEV.	NOTES
0°00'	—	91'	3.68	2855.33	
-2°58'	189'	188	9.76	2850.11	13.76 4.86 -8.90
-3°12'	285'	284	15.9	2842.05	21.54 -1.9'
			<u>2828.51</u>	<u>= 715</u>	
+4°20'	180.5'	179.5	13.6	2828.51 2829.54	715 -13.54
+4°26'	88'	87.5	6.78	2835.23	+7.72
-7°05'	84'	82.7	10.3	2818.21 2824.93	-10.3
-6°12'	170'	168	18.5	2808.95	24.50 4.34 -19.56
-5°30'	253'	251	24.1	2805.62	27.83 4.94 -22.89
+3°42'	181'	180	11.65	2798.13	765 15.89 8.50 -7.49
+2°00'	90'	89.5	3.00	2800.87	7.24 -4.50 +2.74
0°00'	88'	88'	-4.00	2794.13	
-1°48'	187'	186	5.87	2791.50	10.57 4.20 -6.63
-1°45'	288.5'	287	8.78	2787.59	14.78 4.24 -10.54
-1°38'	383'	382	10.9	2787.47	14.90 4.24 -10.66

TJ	EO HT	B.S.	F.S.	H.CE.	P.
775	4.00		775		3.6
L80W	HI = 4.75'				
765	6.00'	805	99.91 3.05	223°58'	3.58' ^{7.9}
	5.00'	795	99.90 2.91	"	2.68' ^{3.9}
	4.00'	785	99.90 3.07	"	1.78'
	"	775	99.91 3.05	"	0.95' ^{4.8}
	4.45'		CREEK SOUTH BANK	41°00'	2.25' ^{5.2}
	2.87'		CREEK N. BANK	43°50'	0.920' ^{2.2}
STATION M. 55. NG 725	2.20'		755	"	0.68' ^{6.1}
	3.50'	99.81 4.36	745	"	1.83' ^{4.1}
	5.00'	99.82 4.27	735	"	2.85' ^{4.2}
	"	99.83 4.15	725	"	3.71'
	5.00'	99.82 4.21	705	"	4.77' ^{7.38}
	HI = 9.00				
665	5.00'	705	99.85 3.84	222°05'	3.82'
	5.00'	695	99.85 3.72	"	2.81' ^{3.5}
	"	68	99.84 3.98	"	2.01'
	C.00'	C7	99.88 3.49	"	.96'

July 23rd

L. 84 515 - 808

L. 80 808 - 508

L. 68 608 - 655

TT	RD HT.	B.S.	F.S.	HCR.	R
L84W					
	HI = 4.66'				
535	4.00'	505 @ 84W ONH	99.83 4.13	46°36'	⁵⁷ 2066'
	4.56	515	99.83 4.13	"	⁰² 1.85'
	5.00'	525	99.83 4.13	"	.90'
	2.99'	99.98 1.45	545	227°15'	⁰¹ 865'
	4.00'	99.98 1.45	555	226°55'	⁸⁵ 1.68'
	6.00'	99.99 1.22	565	226°47'	³⁰ 2.60'
	HI = 4.82				
595	6.48'	585	99.78 4.74	47°07'	⁷⁸ 2.92'
	3.79'	575	99.78 4.74	"	⁶² 1.881'
	4.595	585	99.78 4.74	"	⁰⁵ 0.91'
	7.26'		605	227°02'	²² 3.11'
	6.00'	99.80 4.45	615	"	1.80'
	4.00'	99.81 4.36	625	"	²⁹ 2.79'
	...	99.80 4.39	63'	"	²⁸ 3.16'
	HI = 4.86.		NB. STATION		¹⁵ 65 MISSING
665	4.50'	635	99.93 2.62	47°22'	⁴¹ 1.82'
	6.00'	645	99.85 3.86	"	⁴¹⁵ 0.8525'

VCR	INCL DIST	HOR DIST	DIFF IN ELEV	ELLIP.	NOTES
0		13 25 15			
				2788.53	← 765
-1°45'	358'	357 90	10.91	2776.37	↙ 805 -12.16
-1°40'	268'	267	7.8	2780.48	12.80 4.75 -8.15
-1°47'	178'	176	5.47	2783.81	9.47 4.75 -4.72
-1°45'	95'	94.6	2.90	2786.38	6.90 4.75 -2.15
0°00'	-	22.5'	+0.335	2788.87	
"	-	70'	+1.88'	2790.41	
"	-	88'	+2.55'	2791.08	
+2°30'	183'	182	7.96	2797.74	7.96 -1.25 +9.21
+2°27'	285'	284	12.14	2800.42	WATER ^{11.01}
+2°23'	377'	376	15.85	2804.63	WATER + 16.16
+2°25'	477'	476	20.1	2807.38	24.85 -14.85
-2°12'	382'	382	14.65	2822.95	↙ 665 19.65 4.08 -15.57
-2°15'	281'	281	11.01 10.98	2811.02	-11.93
-2°17'	201'	201	8.14	2813.89	-9.26
-2°00'	95'	96	3.35	2817.68	9.3 11.7 -3.27

IT	ED HT	B.S.	F.S.	HLR	R
665	4.08'	99.63 6.09 6.09	655	43°31'	2 88'
	6.07'	99.63 6.09	645	43°47'	1.79'
2822.45	4.08'	99.64 5.98	635	"	2.75'
	6.07'	99.66 5.86	625	"	3.78'
NI = 4.68'		NATEL BETWEEN 59 & 605			
595	3.14'	625	99.64 5.98	224°18'	2.90'
	5.00'	615	99.58 6.47	"	2.88'
STATION 565 MISSING	5.46'	605	99.58 6.47	"	92'
	9.68'	585	99.65 5.95	43°56'	.95'
	"	575	99.61 6.21	44°07'	1.82'
15	"	555	99.63 6.09	44°13'	2.80'
	4.66'	545	99.58 6.47	"	3.87'
NI = 4.50'					
525	4.00'	545	99.63 6.09	223°57'	1.89'
	5.18	535	99.63 6.09	"	0.978'
	4.50'	515	99.74 5.08	44°38'	.845'
	2.17'	505	99.73 5.17	44°29'	1.70'
CL 53 + 45S X BL @ 80 + 54W					

July 25th, 67

L-116

505-805

L-108

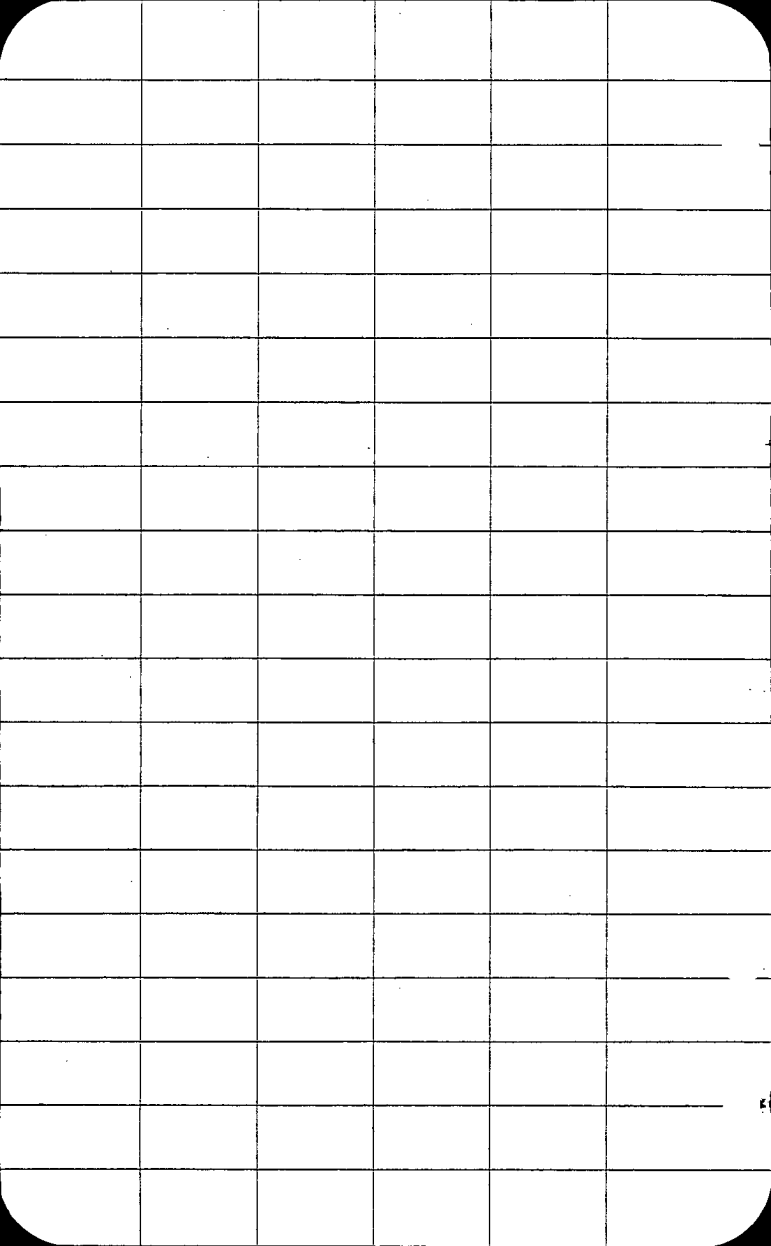
805-908

TT	RD HT.	B.S.	F.S.	I.C.P.	P.
L116W					
	HI = 4.52				
535	4.4.	505 (@BL)	^{99.42} ^{7.59}	41°15'	⁸ 2.72'
	'	5.15	^{99.27} 8.54	"	^{7.75} 1.835'
	"	5.25	^{99.30} 8.31	"	^{6.2} 0.95'
	4.52'	^{99.51} 6.96	5.45	221°00'	1.00'
	"	^{99.54} 6.81	5.55	"	^{3.8} 2.13'
	5.52	^{99.57} 6.56	5.65	"	^{7.20} 3.33 3
	9.00'	^{99.58} 6.53	5.75	"	^{11.17} 4.34'
	HI = 4.60'				
605	4.00'	5.75	^{99.98} 2.70	41°56'	2.99'
	"	5.85	^{99.93} 2.76	"	^{6.7} 2.106'
	6.56'	5.95		"	1.00'
	3.83'		6.15	221°43'	9.20'
	7.79'		6.25	"	^{7.3} 1.87
	10.00'	^{99.99} 1.12	6.35	"	^{6.2} 2.081'
	HI = 4.64				
665	10.00	6.35	^{99.15} 9.20	41°00'	^{8.0} 2.78'
	6.00	6.45	^{99.17} 9.17	"	^{9.2} 1.83'

VCR.	INCL DIST	HOR DIS.	DIFF IN ELEV	ELEV.	NOTES
		$\Sigma = 2915.95$		JULY 25, 1967	
$-4^{\circ}22'$	272'	270	20.65	2936.48	$\leftarrow 420.53$ $\leftarrow 53S$
$-4^{\circ}55'$	183.5'	182	15.68	2920.92	- 15-52
$-4^{\circ}47'$	95'	94.2	7.9	2928.70	-7.78
$+4^{\circ}00'$	100'	99.51	6.96	2943.44	
$+3^{\circ}55'$	213'	212	14.51	2950.99	
$+3^{\circ}46'$	333'	332	21.8	2957.28	+ 20.8
$+3^{\circ}45'$	439'	432	28.4	2960.40	$\frac{19.4}{4.52}$ $\frac{23.92}{}$
$-1^{\circ}33'$	299'	299	8.08	2967.88	\swarrow 608 12.08 4.60 +7.48
$-1^{\circ}35'$	266'	266	5.68	2962.80	- 5.08
$0^{\circ}00'$	-	100'	-1.96	2965.92	
" "	-	92'	+ 0.77	2968.65	
" "	-	187'	- 3.19'	2964.69	
$-0^{\circ}39'$	281'	284	3.15	2959.33	13.15 4.60 $\frac{8.55}{}$
$+5^{\circ}18'$	278'	275	25.55	2939.14	\swarrow 668 15.55 4.64 20.19
$+5^{\circ}15'$	193'	191	17.64	2955.42	22.28 6.00 $\frac{16.28}{}$

H	ED HT	B.S.	F.S.	HCP.	P.
665	4.52'	655	99-17 9-17	41°02'	1.02
	4.60'	99-11 9-37	675	220°57'	.92'
(L116W)	"	99-19 8-97	685	"	⁵⁶ 1.84'
(2939.14)	3.29'	99-23 8-74	695	"	⁷¹ 2.89'
	HI = 5.02'				
735	9.00'	695	99-08 9-54	40°47'	⁰⁸ 4.216'
	6.00'	705	99-08 9-57	"	⁵¹ 3.704'
	8.00'	715	99-11 9-40	"	1.97'
	6.00'	725	99-14 9-20	"	⁴⁹ 3.94'
	9.61'		745	220°27'	^{16.5} 1.905'
	5.2'	99-73 5-17	755	220°35'	2.413'
	9.00'	99-68 5-69	765	"	3.03'
	HI = 4.06'				
785	5.00'	765	98-82 10-82	40°39'	⁹³ 1.87'
	4.50'	775	98-74 11-13	"	.95
	4.06'	99-88 7-85	795	221°15'	1.065'
	5.80'	99-88 7-82	805	"	2.01'

VCR.	INCL DIST	HOR DIST	DIFF IN ELEV.	ELEV.	NOTES
				2834.21	808
-4°28'	286'	284	22.6	2860.15	← 775
-4°30'	187'	185	14.62	2844.19	
- 1'	95.5'	95	17.5 7.46	2848.35	
+5°53'	96'	95	9.8	2869.95	
+6°50'	194'	192	22.85	2883.00	
-8°51'	188'	184	28.60	2915.05	← 735
1'	96'	94.6	14.60	2901.50	
+7°37'	93'	91.4	12.20	2927.25	
+8°00'	178'	174.5	24.50	2939.55	
+8°09'	281'	275	39.00	2954.05	
	(39.00 2915.05	
	20.62 4.50		18.5	12.46 4.66	
	- 15.96		18.10 4.55	- 11.80	
			- 13.55		



VCC.	INCL DIST	HOR DIST	DIFF IN ELEV	ELEV.	NOTES
+5°15'	102'	101	9.30 _{0.12}	2948.54	+9.40
-5°24'	92'	91	8.57	2930.57	
-5°10'	184'	182.5	16.53	2922.61	
-5°02'	287'	285	25.00	2915.54	28.24 4.64 -23.60
+5°30'	416'	412	38.6	2879.74	73S 44.8 9.00 35.8
+5°31'	304'	301	29.15	2908.09	+28.35
+5°25'	197'	195	18.50	2895.44	18.50 2.80 +15.70
+5°20'	94'	93	8.65	2887.39	8.65 -0.80 +7.65
0°00'	—	110.5'	-4.41	2875.33	
-2°58'	213'	212	11.00	2868.74	
-3°16'	303'	302	17.3	2858.64	=21.1
+6°15'	187	185	20.2	2839.38	78S 24.26 5.00 -19.26
+6°26'	95'	93.7	10.55	2849.49	14.61 4.50 +10.11
-4°31'	106.5'	105	8.22	2831.16	
-4°30'	201'	200	15.7	2821.94	21.50 4.06 -17.44

VCR	INCL DIST	HOR DIST	DIFF IN ELEV	ELEV	NOTES
+3°30'	88'	87.6	5.36	2828.31	
"	179'	178.8	10.9	2835.07	12.93 6.27 +12.12
+3°26'	275'	274	16.46	2839.41	
+3°22'	378'	377	22.2	2847.94	29.07 4.38 -24.99
					" -2.75
-3°26'	290'	289	17.4	2863.80	← 595 20.54 5.86
-3°43'	188'	187	12.15	2850.33	17.15 4.68 -12.47
"	92'	91	5.95	2857.07	11.41 4.65 -6.73
+3°25'	95'	94.5	5.65	2868.67	" 58 10 +4.87
+3°34'	182'	180.8	11.3	2875.10	+ 1.3
+3°30'	280'	279	17.08	2880.88	
+3°43'	384'	382	24.8	2889.28	29.48 4.00 -25.48
-3°30'	189'	188	11.5	2900.28	↙ 525 -11
"	97.8'	96	5.96	2893.63	11.15 4.57 -6.63
+2°55'	84.5'	83	4.3	2903.58	
+2°58'	170'	169	8.8	2911.41	13.30 2.17 -11.13

VCR	INCL DIST	HOR DIST	DIFF IN ELEV	ELEV.	NOTES
+5°02'					
+3°18'					
+3°10'					
-2°26'					
. 11					

July 26th.

L 100 W

50 S - 80 S

L 104 W

50 S - 80 S

L 100 W

50 S - 80 S

TT	RD +IT	B.S	F.S	HCR	R
	HI = 4.88'				
BL 100W	4.88'	BL 98W	19.95 227	131°33'	^{1.95} 1.00'
"	"	BL 94.56 6.54	BL 102W	311°25'	^{1.79} 1.83'
"	"		L100 515	223°13'	^{3.23} 0.895'
"	"		525	223°02'	1.80'
L100W	"		535	"	^{2.5} 2.09'
	HI = 4.75'				
545	4.75'	535		42°59'	^{1.95} 0.885'
"	"		555	223°08'	^{2.3} 0.95'
"	"		565	"	^{1.65} 1.869'
	3.33		575	"	2.70'
	HI = 5.28'				
595	5.28'	575		42°26'	^{1.6} 1.75'
	2.23'	585		"	⁶ 0.74'
	5.28'		605	223°02'	^{7.2} 0.818'
	HI = 5.12'				
625		605		43°39'	^{0.2} 1.719'

JULY 26, 1967

VCR	VNCL DIST	HOR DIST	DIFF IN ELEV	ELEV.	NOTES
					LOW 98 W = 3033.75
-1° 18'	180'	180	+4.88	3037.83	↙ LOW
+3° 49'	183'	182	+11.95	3049.78	↙ 102 W
+5° 24'	89.5'				
+7° 55'	180'				
+8° 57'	269'				
-10° 05'	88.5'				
-1° 25'	95'				
-2° 26'	189'				
			+1.92'		
-2° 10'	276'				
+0° 15'	175'				
0° 00'	-	74'	+3.05'		
+13° 47'	88'				
+7° 00'	179'				

TT	RD HT	B.S.	F.S.	INC.	R.
625	5.12'	615		43°38'	^{5.0} 9.3'
	9.34	61 ⁺ 5		"	⁶ 1.53
	5.12'		635	223°23'	^{9.1} 4.71'
	4.12		63 ⁺ 5	"	^{7.8} 1.82'
NI = 5.00'					
665	6.72'	63 ⁺ 5		43°12'	^{8.7} 2.27'
	5.50'	645		"	^{1.93} 1.85'
	5.10'	655		"	^{1.7} 1.95
	"		675	223°10'	^{4.3} 1.85'
	"		685	"	^{8.0} 1.76'
	"		695	"	^{3.1} 2.67'
	3.60'		705	"	⁴ 3.58
NI = 5.15					
715	3.14'	705		42°59'	^{5.9} 1.91'
	4.15'		725	223°17'	1.03'
NI = 4.92					
755	4.92'	725		43°12'	^{2.7} 2.94'
	2.92'	735		"	1.79

VCR	INCL DIST	+0.00 DIST	DIFF IN ELEV	ELEV	NOTES
+6°12'	93'				
0°00'	—	53'	-4.22'		
-11°22'	71'				
			+1.00'		
-11°25'	132'				
+5°30'	227'	-1.72'			
"	185'	-0.50'			
+6°12'	95'				
-5°08'	85'				
-5°47'	176'				
-5°40'	267'				
-5°26'	358'				IS IT'S RAINING
0°00'	—	91'	+2.01'		
			+1.00'		
-9°37'	103'				
+9°19'	271'				
+9°08'	179'	-	+2.00'		

TT	ED HT	B. S.	F.S.	HCP.	P.
75	4.92	74		43°12'	³⁶ .86'
	"	74	765	223°02'	.91'
	"		775	"	⁸⁰ 1.92'
	"		785	"	³³ 2.88'
HI = 5.00'					
805	4.00'	785		42°53'	1.91'
	5.00	795		"	⁷⁵ 9.255'
<hr/>					
L 104W		HI = 4.7			
785	10.40'	805		221°10'	⁹⁰ 2.996'
	5.5'	795		"	⁹³ 1.87'
	9.00'	785		"	.93'
	4.70'		765	41°35'	.97.
	"		785	"	1.92'
	3.04		745	"	⁰⁰ 2.08'
HI = 4.86					
715	4.00	745		221°49'	²⁶ 2.93'
	4.86'	735		"	1.91'
	"	725		"	²⁹ .84'

VCE	INCL DIST	HOP DISTS	DIFr I.I.V. II.I.V.	NOTES
+9°00'	86'			
-6°59'	91'			
-6°15'	192'			
- "	283'			
+3°38'	191'		+1.00	
+3°15'	95.5'			
-3°51'	296'		-5.70'	
-3°44'	187'		-0.80'	
0°00'	-	93'	-4.30'	
+5°46'	97'			
+6°16'	192'			
+6°52'	288'		+1.66	
-9°36'	293'		+0.86	
-9°53'	191			
-8°33'	94'			

H	R.D. HT	B.S.	F.S.	HCP.	R
715	4.86		705	41°47'	³ 1.91'
	6.00'		695	"	1.99'
	4.86		685	"	2.99'
	3.20'		675	"	¹⁰ 3.73'
NI = 4.70.					
845	7.00'	675		227°00'	3.64'
	4.78	665		"	1.90'
	4.78			"	² 0.94'
	4.70		635	42°05'	0.97'
	"		625	"	1.95'
NI = 4.93.					
605	2.10'	625		221°26'	1.84'
	7.00'	615		"	0.89'
	4.93		595	41°37'	0.90'
	4.93'		585	41°34'	1.94'
	10.00'		575	"	¹² 2.86'
NI = 5.04.					
565	5.00	575		221°50'	⁵⁹ 0.99'

VCR	NCL DIST	HOR DIS	DIFF IN ELEU	ELEV.	NOTE
+6°02'	91'				
+5°24'	194'		-1.19'		
+5°30'	299'				
+5°29'	373		+4.66'		
-4°42'	304		-2.22		
-5°28'	190'				
-5°23'	94'				
+6°49'	97'				
+5°43'	195'				
-9°03'	184'		+2.83		
			-2.27		
-10°57'	89'				
+5°32'	90'				
+9°05'	194'				
+9°24'	286'		-5.07		
-10°30'	89'				

H	RD HT	B.S.	F.S.	H.C.E.	C
56	4.06		55	91°18'	³³ 1.87
	11.00		545	"	2.00'
	HJ =	5.00'			
BL104W 505	7.00'	545		222°08'	⁸⁰ 4.10'
	9.00'	535		"	3.01'
	7.00'	525		"	²³ 1.87'
	5.00	515		"	.985
	8.00'	BL 102W		131°08'	⁹⁴ 1.859'
	5.00'		BL106 W	310°28'	1.58'
L08W 2					
	HJ =	5.09			
BL108W	5.04'	BL106W	^{98.84} ^{10.62}	131°04'	⁹⁷ 1.87'
		^{98.18} ^{13.36}	BL108 W	310°31'	⁹⁵ 1.77'
			L108 S15		

VCR	INCL DIST	NOE DIST	DIFF IN ELEV.	ELEV.	NOTES
0°00'	—	87'	+0.18		
-1°20'	200'		-5.96		
+5°20'	410'		+2.00'		
"	301'		-4.00'		
+5°16'	187'		2.00		
+6°36'	98.5'				
+2°58'	189'		3.00'		
-4°32'	198'				
				108W = 3015.95	
+6°08'	187	185	19.85	3035.80	← 106W
-7°45'	177	175	-23.60	2992.35	← 110W

TI	R.D HT	B.S.	F.S.	H.C.R	R
L88W		NI = 4.60'			
715	4.385'		WDH #11	226°00'	6' 44'
L108W		NI = 4.40'			
675	4.90'	705	99.19 9.00	220°14'	86 2.942'
	"	695	99.22 8.80	"	37 1.694'
	"	685	99.03 9.86	"	86 1.933'
	"	794	99.37 7.94	665 41°07'	37 1.943'
	"	822	99.32 8.22	655 "	33 1.876'
	"	782	98.38 7.82	645 41°03'	2.79
		NI = 4.90'			57 1.3
625	2.60'	645	98.11 13.64	218°43'	1.94'
	4.90'	635	97.97 14.45	219°49'	.98'
	"	794	98.60 11.79	615 39°45'	.98'
	"	665	98.86 10.65	605 "	80 1.082'
	6.30'	622	98.94 10.22	595 "	78 2.8'
		NI = 4.96'	52		
575	11.00'	595	99.95 .96	220°55'	89 1.79'

VCE	INCL DIST	HOR DIST	DIFF IN ELEV	ELEV.	NOTES
0°00'	—	44'	+0.215'		
				2954.05	← 708
-5°11'	292'	290	26.28	2980.33	← 675
-5°04'	194'	192.5	17.10	2963.23	
-5°41'	93'	92.0	9.18	2971.15	
+4°34'	93'	92.4	7.35	2987.72	
+4°44'	186'	185	15.3	2995.63	
+4°30'	279'	275	-21.8	3012.13	
				21.8	
-7°55'	194'	190	^{-2.30} 26.5	3036.33	← 625 -24.20
-8°24'	98'	96	14.15	3022.18	
+6°49'	98'	96.6	11.54	3047.87	
+6°09'	182'	181	+19.4	3055.73	
+5°54'	280'	278	^{-1.40} 28.6	3063.53	-27.20
+0°33'	179'	179	1.72	3067.85	← 575 648 -4032

IT	ED HT	B.S.	F.S.	HCR.	R
57S	4.96'	58S	^{99.82} 4.18	221°05'	08.5'
↑	11.53'		56S	90°56'	.94'
^{3067.85}	4.96'	^{99.22} 8.82	55S	"	2.10'
	3.96'	^{99.32} 8.25	54S	41°05'	3.00'
HI = 4.50'					
52S	4.58'	54S	^{99.58} 6.50	220°06'	1.98'
	"	53S	^{99.55} 6.70	"	.99'
	"	^{99.26} 8.57	51S		.99'
	"	^{99.29} 8.40	50S -BL108W	39°57'	^{99.29} 1.82'

<u>L112W</u>	HI = 4.75'				
BL112W	4.75'	BL110W		131°43'	1.94'
"	"	B	BL114W	311°10'	⁶² 1.915'
"	"		L112N	38°18'	
"	"		L112 51S	218°27'	⁵ 1.06'
"	"		52S	"	2.02'
"	"		53S	"	²⁴ 2.94'
"	5.75'		54S	"	⁷ 3.92'

VCR.	INCL DIST	HOR DIST	DIFF IN ELEV.	ELEV.	NOTES
+2°24'	85'	84.5	3.56	3071.41	
0°00'	—	94'	-6.57'	3061.28	
-5°05'	210'	208.5	18.50	3049.35	
-4°45'	300'	298	+1.00' 24.75	3044.10	23.75 +23.75
+3°44'	198'	197	12.85	3031.25	← 525
+3°51'	99'	98.6	6.64	3037.89	
-4°56'	99'	98.4	8.5	3022.75	
-4°50'	182'	181	+15.3	3015.95	
				2992.35	← 110W
+7°13'	194'				
-7°07'	195'				
+5°36'	106'				
+4°37'	202'				
+4°41'	294'				
+4°43'	392'		-1.00'		

π	$\frac{eD}{H_T}$	B.S.	F.S.	H.C.R.	R
L112W	$HI = 4.00'$				
585	9.40'	545		$38^\circ 48'$	4.15'
	3.88'	555		"	$3.08'$
	4.80'	565		"	$2.87'$
	"	575		"	1.04'
	2.17		595	$218^\circ 20'$.98'
	6.30'		605	"	1.98'
	12.04'		615	"	$2.68'$
	$HI = 4.87.$				
645	4.87'	615		$38^\circ 12'$	$2.76'$
	"	625		"	$1.83'$
	"	635		"	.94'
	"		655	$218^\circ 32'$	1.00'
	"		665	"	1.93'
	"		675	$218^\circ 25'$	2.98'
	"		685	"	3.04'
	5.90.		695	"	$5.08'$

VCR	INCL DIST	HOR DIST	DIFF IN ELEV.	ELEV.	NOTES
			+4.60		
-3°54'			+1.00		
-4°57'					
-5°05'					
-5°24'					
0°00'	—	98'	+2.63		
"	—	198'	-1.50'		
"	—	268'	-7.24'		
+4°58'	276'				
+5°00'	183'				
+5°12'	94'				
-4°30'	100'				
-5°30'	193'				
-5°42'	298'				
-5°36'	404'				
-5°18'	508'				

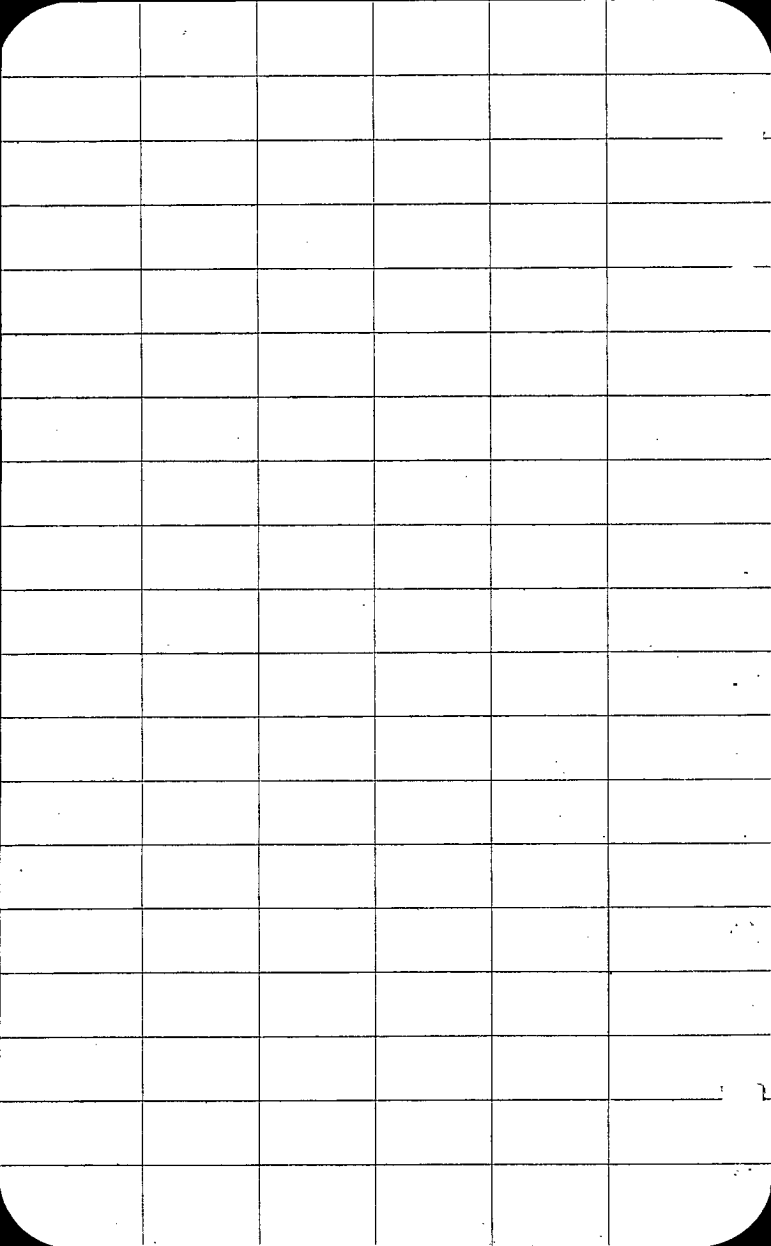
TT	R _{DNT}	B.S.	I.S.	H.C.R.	R.
L112W	HI = 5.04'				
725	10.04'	695		37°43'	^{5.9} _{4.8} 3.06
	5.04'	705		"	2.025'
	"	715		"	1.03'
	"		735	217°39'	^{3.2} _{2.2} 9.45'
	"		745	"	1.92'
	5.80'		755	"	⁴ _{2.8} 2.84'
	HI = 4.96'				
785	4.90'	755		37°46'	^{3.5} _{2.9} 2.99'
	"	765		"	1.93'
	"	775		"	.92'
	"		795	217°18'	^{9.2} _{1.0} 1.05
	"		805	"	1.99'
<hr/>					
L120W	HI = 4.64				
765	8.00'	805		223°18'	3.85'
	5.00'	795		"	^{4.4} _{2.8} 2.89'
		785		"	1.93'

TJ	RD HT	B.S	F.S.	I.C.P.	e.
765	4.64'	775		223°19'	¹ 94'
	"		755	43°24'	¹³⁵ 985'
	"		745	"	²³ 1.98
	10.20		735	"	⁶⁸ 3.03'
HI = 4.94.					
705	8.50	735		224°32'	⁰² 3.06'
	4.99	725		"	⁸⁹ 2.09
	"	715		"	1.08'
	"		695	44°39'	⁴² 0.95'
	"		685	"	²³ 1.98
	11.00'		675	44°32'	⁴⁸ 2.98
HI = 9.00'					
635	4.00'	675		224°07'	3.97'
	"	665		"	⁴⁶ 2.95'
	"	655		"	⁰² 2.04'
	"	645		"	.97'
	"		625	44°07'	1.07'
	"		615	"	2.09

VCE.	INCL DIS	HOR DIST	DIFF IN LEU	ELEV.	NOTES
-5°00'	94'				
+3°05'	98.5'				
+2°30'	198'				
+2°12'	303'				
-2°45'	308'		3.56		
-5°34'	209				
-5°36'	108'				
+4°25'	95'				
+2°41'	198'				
"	298'				
-2°47'	397'				
-4°03'	295'				
-5°13'	209'				
-6°00'	97'				
+3°16'	107'				
"	209'				

IT	RD HT	B.S.	F.S.	HCE	R"
635	5.00'	'	605	44°07'	3.07' ⁵³
	10.000'		595	'	4.07' ⁰²
	HI = 4.25'				
565	4.25'	595		223°56'	3.01'
	4.97'	585		"	2.00'
	3.98'	575		"	.97'
	6.92'		555	44°10'	.98'
	6.25		545	"	1.94.
	"		535	"	3.00'
	HI = 4.90'				
BL 120W 505	5.90'	535		224°10'	2.89'
	4.90	525		"	1.85' ³
	"	515		223°58'	.96'
	"		BL 122W	311°02'	1.91'
	<u>L</u>		L 120N	44°17'	
	4.90'		BL 118W	131°16'	1.95'
	HI = 4.58.				
BL 116 W	4.58'	BL 118W		311°16'	1.94' ⁶

VCR	INCL DIST	HOR DIST	DIFF IN ELLU.	ELLU.	NOTES
+3°08'	307'		1.00'		
+3°00'	407'		6.00'		
-0°15'	301'				
0°00'	-	200'	-0.72'		
"	-	97'	+0.27'		
"	-	98'	-2.67'		
-2°14'	194'		-2.00'		
-2°05'	300'				
+3°50'	289'		1.00		
+3°35'					
+4°16'					
-5°34'					
+7°42'					
-7°16'					



VCR.	INCL DIST	HOR DIST	DIFF IN ELEV	ELEV	NOTES
JULY 28, 1967					
+5°17'	177.5'				
-6°24'	201'				
0°00'	177.5	102.	-0.15'		
+1°10'	198'				
+1°55'	296'				
+2°17'	397'				
0°00'	—	292'	-5.79		
"	—	197	-1.33		
"	—	96'	-0.73		
"	—	91.5'	-1.44		
"	—	187'	-3.16'		
"	—	285'	-3.74		
"	—	377'	-4.65		
+4°00'	295'		+1.00		

TT	RD HT	B.S.	F.S	H.C.R.	P.
645	4.95	625		39°35'	1.94'
	"	635		"	.98'
	"		655	220°00'	.995
	9.44		665	219°50'	1.96'
	9.44		675	219°40'	2.94'
	7.88'		685	"	3.96' ⁷⁵
	5.30'		695	"	4.99' ⁷⁹
	HI = 4.88'				
715	8.53'	695		39°13'	1.97'
	5.23'	705		"	.98'
	11.88'		725	219°08'	1.00'
	4.88'		735	219°03'	2.00'
	"		745	"	3.00'
	9.55'		755	"	3.93'
	HI = 5.00'				
785	7.00'	755		39°03'	2.78' ³⁸
	5.00'	765		"	1.81'
		775		"	.96'

VCP.	INCL DIST	HSR DIST	DIFF IN ELEV	ELEV	NO ^{ES}
+4°23'	194'				
+4°25'	98'				
-4°18'	99.5'				
-2°09'	196'				
0°00'	-	294'	-7.49		
"	-	396'	-2.85		
"	-	499'	-0.35		
0°00'	-	197	+3.65		
"	-	98'	-0.35		
"	-	100'	-7.00		
-4°12'	200'				
-1°32'	300'				
0°00'	250'	393'	-4.67'		
+3°10'	278'		2.00		
+3°25'	181'				
+3°49'	96'				

π	R.D. HT	B.S.	F.S.	H.C.E.	P.
785	5.00'		795	218°38'	9.75
			805	"	2.05' ³³
<hr/>					
L128W	HT HI = 4.94				
765	4.94'	805		220°25'	3.91' ⁸⁸
	"	795		"	2.92'
	10.06'	785		"	7.89
	6.78'	775		"	7.92'
	7.415'		755	40°38'	1.02'
	10.00		745	"	1.25' ²⁸
	6.60'		735	"	2.918' ¹
	3.94'		725	"	3.85
	HI = 4.93'				
685	5.93'	725		220°35'	3.70'
	4.93'	715		"	2.719' ³³
	3.30'	705		"	1.815' ²¹
	4.67'	695		"	3.92' ¹³
	3.07'		675	40°37'	.95

VER.	INCL DIST	HOR DIST	DIFF IN ELEV	ELEV.	NOTES
-6°05'	97.5'				
-6°07'	205'				
<hr/>					
-1°58'	391'				
"	292'				
0°00'	-	189'	-6.02'		
"	-	92'	-1.04'		
"	-	102'	-2.475		
			-5.06		
-2°09'	195				
"	293'				
-1°43'	385				
+0°19'	370				
+0°16'	279'				
0°00'	-	185'	+1.63'		
0°00'	-	92'	+0.26'		
"	-	95'	+1.86'		

IT	RD HT	B.S	F.S	H.Ce.	e.
685	4.93'		665	40°37'	1.88' ⁵¹
	"		655	"	2.88' ³⁵
	4.93'		645	40°32'	3.87' ⁹
	"		635	"	4.87' ⁹⁰
NI = 4.70'					
595	7.00'	635		220°34'	4.01'
	4.70'	625		"	3.04'
	4.70'	615		"	2.00'
	7.96'	605		"	1.04'
	4.70'		585	40°50'	1.00'
	"		575	40°47'	2.05'
	10.67'		565	"	3.03'
NI = 4.99.					
535	6.94'	565		219°57'	2.88' ²⁷
	4.90.	555		"	1.96' ¹⁹
	"	545		"	1.03'
	9.01'		525	40°04'	.99'
	8.87'		515	"	1.95' ⁸⁶

VCR	INCL DIST	HOR DIST	DIFF IN ELLV	ELLV	NOTES
+0°49'	188'		-5.00'		
+1°00'	288'		-5.00'		
+0°53'	387'				
+1°13'	487'				
-2°27'	401'		2.30'		
-2°21'	309'				
-2°26'	200'				
0°00'	-	109'	-2.76'		
+2°29'	100'				
+1°34'	205'				
"	303'		-5.97'		
+1°12'	288'		2.00'		
+1°21'	196'				
+1°33'	103'				
0°00'	-	99'	-4.07'		
"	-	195'	-3.93'		

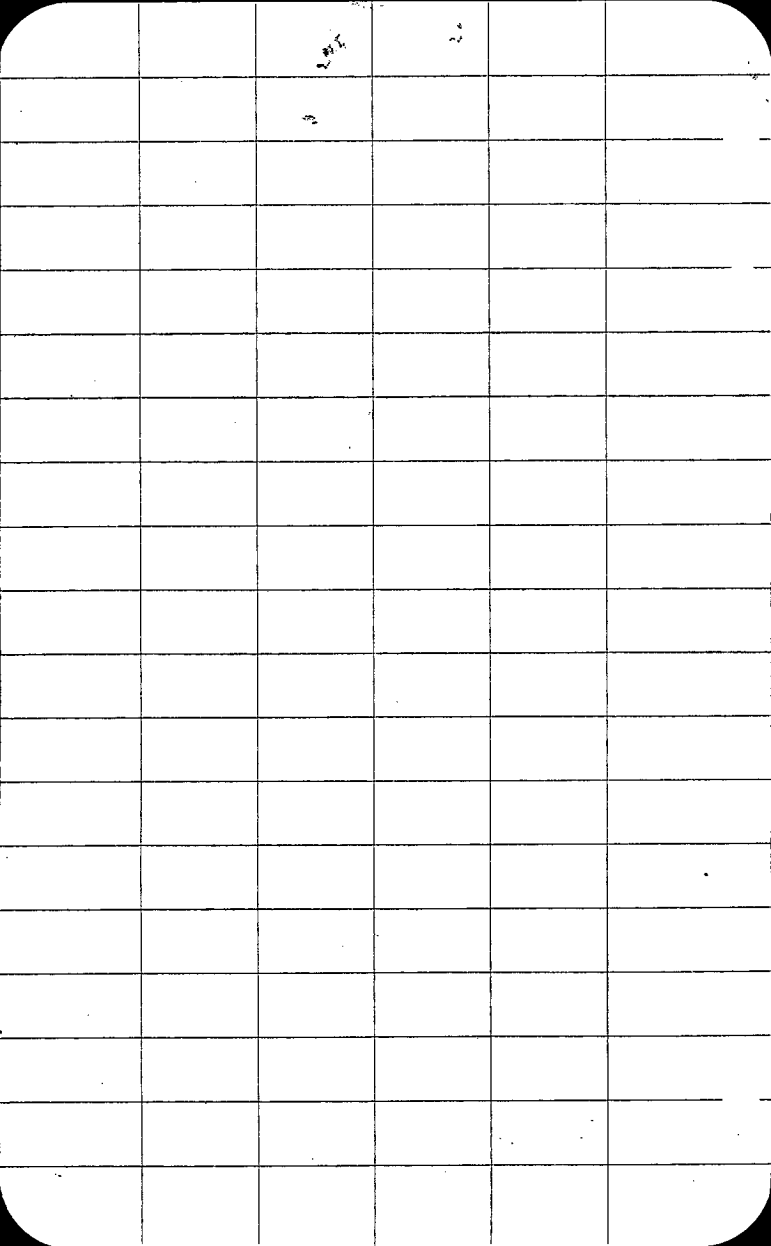
TT	RD HT	B.S.	F.S.	HCR	R
		HI = 4.18			
B L128W 505	4.30'	515		220°43'	1.88'
	4.18	BL 126W		131°18'	1.83'
			L128W N	40°25'	1.83'
	5.18'		BL130W	310°24'	1.88'
	HI = 5.06				
BL132W 505	5.06'	BL130 W		120°15'	1.86'
		L132 N		40°47'	
<u>L132W</u>	"		BL130W	309°56'	1.88'
	"		L132 515	221°29'	.97
	"		525	221°15'	1.98'
	"		535	"	2.95
	HI = 4.96'				
565	4.96'	535		42°10'	2.90'
	3.46'	545		"	1.91'
	4.09'	555		"	90'
	2.83'		575	222°06'	1.00'
	5.02'		585	"	2.00'

CLR.	NCL DIST	HEIR DIS	DIFF IN ELEV	ELEV	NOTE
0°00'	—	88'	-0.12'		
+5°28'	183'				
-4°24'	188'				
+5°25'	186'				
-6°54'	188'				
+2°00'	97'				
+6°53'	198'				
+1°02'	295'				
+6°22'	290'				
0°00'	—	191'	+1.50'		
"	—	90'	+0.92'		
"	—	100'	+2.13		
"	—	200'	-0.06'		

TJ	ED HT	B.S	I.S	HCR	R
565	6.78'		595	222°06'	2.97
<u>V132W</u>	10.50'		605	'	4.00'
	HI = 5.00'				
635	5.00'	605		42°00'	2.80'
	"	615		"	1.83'
	"	625		"	.92'
	"	635		"	.90'
	5.00'		645	222°06'	.83'
	"		655	'	1.78'
	"		675	"	2.75'
	"		685	"	3.62'
	HI = 4.76				
715	3.6.	685		42°26'	2.70'
	3.00'	695		'	1.86'
	4.51'	705		"	.94'
	2.89'		725	222°10'	.94'
	4.76		735	"	1.92'
	9.00'		745	"	2.90'
	8.00'		755	"	3.85'

STATIONING
MISSING
SOMEWHERE

UCK.	INCL DIST	HOR DIST.	DIFF IN ELL.	ELSV	NOTES
0°00'	—	297'	-1.82'		
-0°19'	400'		-5.50'		
+9°23'	280'				
+4°16'	183				
+4°20'	92'				
0°00	—	83'	-9.40'		
-2°14'	178'				
-2°30'	275'				
-1°58'	362'				
			-1.76		
+0°37'	276'				
+0°06'	186'		+1.76'		
0°00'	—	94'	+0.25'		
'	—	94'	+1.87'		
+0°37'	192'				
+0°39'	290'		-4.29		
+0°11'	385'		-3.24		



July 28m. 1967

L. 124 508 - 808

L. 128 808 - 508

L. 132 508 - 808

TT	ED HT	B.S	I.S	H.C.P.	R
		NI = 4.69.			
BL 129W 505	4.64'	BL 122W		130°30'	⁵² 1.775'
		L124 N		39°34'	2 ...
L129W	4.60'		BL 126W	310°30'	2.01
	4.790'		L124 515	28°50'	1.02'
	4.64'		525	218°47'	1.98'
	"		535	"	2.96'
	"		545	"	⁶³ 3.97'
	NI = 4.71.				
575	10.50'	545		39°14'	⁹⁻¹ 2.92'
	6.04'	555		"	1.97'
	5.44'	565		"	.96'
	6.15'		585	218°58'	⁶⁰⁰ 9.15'
	7.87'		595	"	⁸¹ 12.87'
	8.45'		605	"	2.85
	9.36'		615	"	²⁴ 3.77'
		NI = 4.95			
645	5.95	615		39°33'	⁴² 2.93'

STATION	HCP	R	UCP	HOR DIST.
43 ^{TS}	224°39'	^{1.0} 57'	-10°47'	
π455	HI	9.8	- .15	
43 ^{TS}	44°46'	^{4.16} 1.27	-5°45'	
465	223°37'	97'	+1°03'	
π452		HI = 4.9	- .10	
465	44°34'	^{9.95} 2.86	+2°30'	
475	44°44'	1.91	+0°51'	
485	44°35'	³ 8.8	-0°13'	
L24W		JULY 7, 1967		
		^{6.03} 3.16	HI = 4.6	7 .04'
π455	222°18'	2.87'	+1°12'	
BL ↓	↓	5.48	↓	
475	222°21'	1.79'	+0°10'	
465	"	89	+6°45'	
445	42°18'	.95'	-1°41'	
435	42°09'	1.90'	-1°35'	
425	42°02'	2.85'	-0°10'	

STATION	HCR	R	ICR	HOR DIST.	ELEV.
H415		HI =	4.58 ✓		
425	223°28'	.96'	-12°28'		
405	42°25'	.93'	-2°51'		
395	42°30'	1.94'	+1°51'		
T1365		HI = 4.4	-.24		
395	222°57'	2.00'	-2°11'		
385	11	1.89'	-5°04'		
375	222°45'	.90'	-4°56'		
365	42°50'	.92	+4°11'		
345	43°02'	2.00'	+3°00'		
335	42°57'	3.00'	+3°05'		
325	43°00'	4.00'	+4°35'		
T1315		HI =	HI = 4.7 - .04		
325	224°05'	²² 1.85'	-10°05'		
305	43°33'	1.00'	-0°24'		

STATION	HCR	R	VCR	HOR DIST	ELEV
435	227°43'	1.07	+7°31'		
415	40°49'	.83'	+0°08'		
405	41°36'	1.80'	+5°35'		
395	41°50'	^{5.87} 2.73'	+6°10'		
TT38+5		HJ =	4.7 - .06'		
395	224°04'	.54'	-11°59'		
385	42°39'	.55'	+3°30'		
375	43°53'	⁴⁴ 1.950'	+5°30'		
365	43°23'	@6.2' 2.81	+4°42'		
TT335		^{0.6} 32.0	HJ = 4.7 + 2.6		
365	221°53'	2.92	-4°33'		
555	221°55'	1.97'	@6.00' -6°02'		
345	221°51'	1.01'	-7°06'		
325	41°07'	5.4'	+9°58'		
315	41°08'	¹⁹ 19.3	+9°26'		
305	11	@5.7 2.550	+9°10'	5	

L 24

STATION	HCR	R	VCE	HOR DIS	ELEV
T315			4.7 + .1'		
305	43°26'	1.00'	+11°16'		
325	223°20'	¹⁷ 2.93	-3°00'		
T353		¹⁷ 3.1	4.7 + .2		
325	44°07'	⁰³ 2.8'	+4°00'		
335	44°13'	⁰³ 1.8-3'	+3°28'		
345	43°54°	¹⁴ 2.7'	+2°18'		
35+5	223°30'	¹⁶ 2.6	+10°47'		
T385		5.05	HI = 4.96 + .04'		
35+5	43°57'	2.05	+10°20'		
375	40°66'	⁹ 2.3	+9°00'		
38+5	225°57'	⁷ 2.7	-13°56'		
T405		1.26	HI = 5.00'		
38+5	43°07'	1.26	-9°28'		
41+5	222°47'	⁶³ 1.27	-0°20'		
T435		HI = 4.9	+ .1		
41+5	49°02'	1.62'	+4°13'		
425	43°53'	¹⁶ 1.88'	+3°42'		

JULY 30, 1957.

TT	R _D _{NT}	B.S.	F.S	W.C.P.	e
L88 715	5.00'	—	WDH #12	42°26'	43'
	↖ HI = 4.67				
L76 W	HI = 4.70'				
875	4.70'	705		222°20'	¹⁵ 2.92'
	3.70'	695		"	1.96' ⁶⁸
	8.22'	685		"	.92' ⁵
	4.70'		665	42°12'	1.02'
	"		655	"	73 207
	"		645	"	3.005'
	HI = 3.94'				
615	3.94'	645		222°22'	³⁴ 2.81'
^P	3.94	635		"	1.84'
SW ANA 24	3.59'	625		"	87'
	3.73'		605	42°24'	1.10'
	3.94'		595	42°20'	1.97'
	"		585	42°20'	2.95'
	4.94'		CREEK S BANK.	"	³⁴ 84'
	4.50'		CREEK N BANK.	"	1.76'

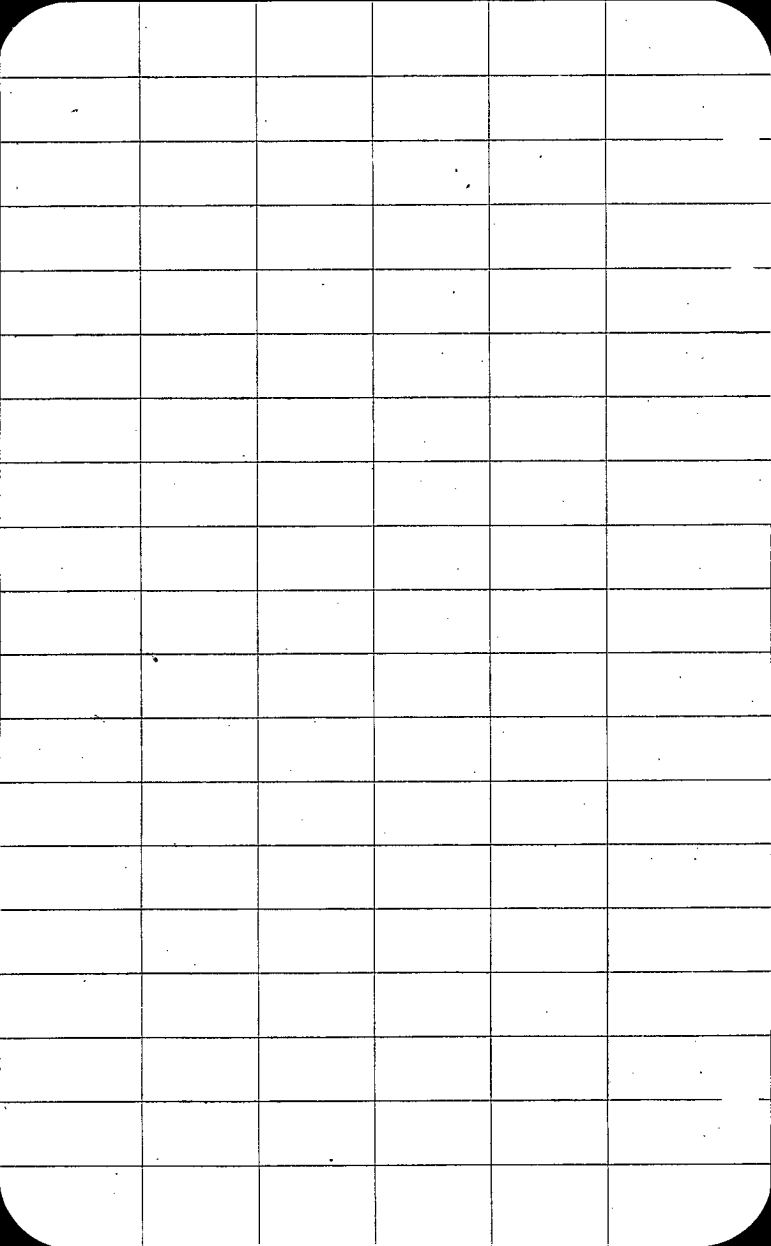
VCR.	INCL DIST.	HOR. DIST	DIFF IN ELEV.	ELEV.	NOTES
+2°07'	43'		-0.33'		
-2°19'	292'				
"	196'		+1.00'		
0°00'	-	92'	-3.52'		
+2°09'	102'				
+2°05'	207'				
+1°44'	300.5'				
+0°10'	281'				
+0°20'	184'				
0°20'	-	87'	+0.35'		
"	-	110'	+0.21'		
+0°28'	197'				
+1°42'	295'				
0°00'	-	84'	-1.00'		WATER LEVEL
"	-	110'	-0.56'		CREEK 20' WIDE

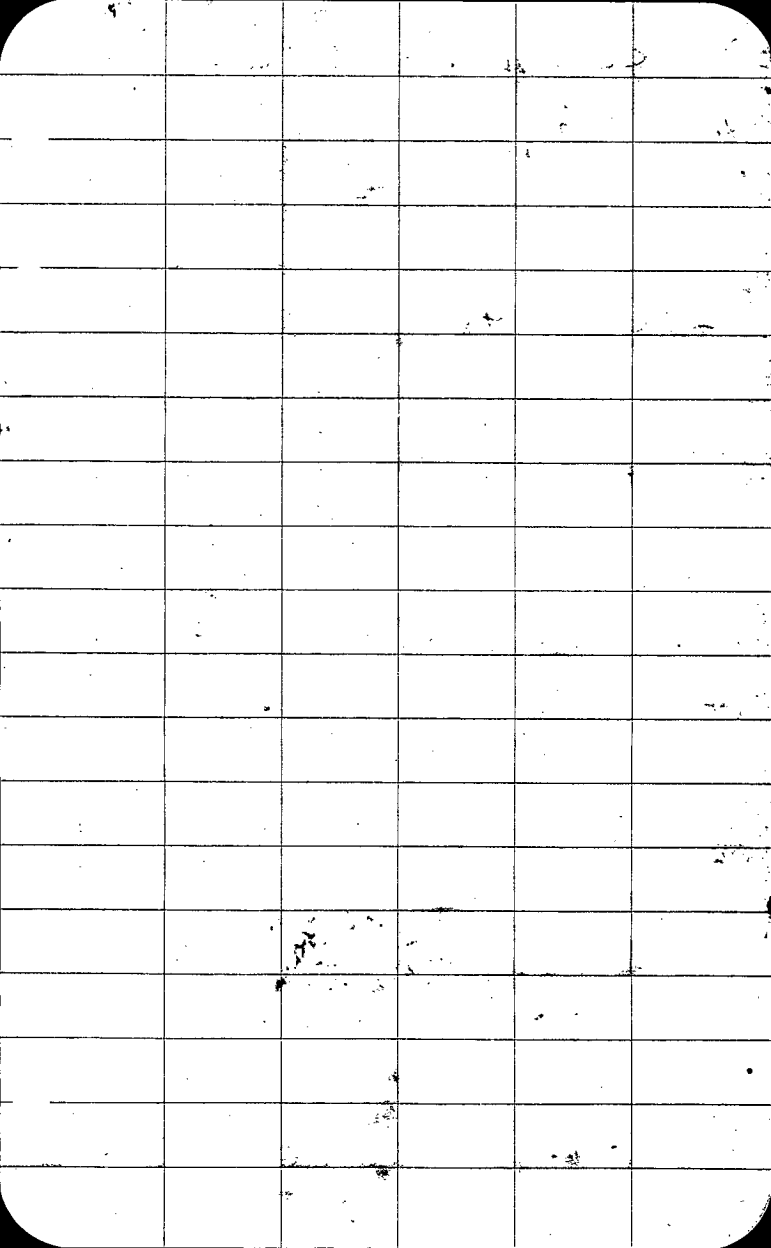
TT	RD HT	B.S.	F.S.	ACE.	R.
	HJ = 4.66				
555	4.66'	585		222°25'	2 ¹¹ ₀ 8 ²³ '
	"	575		"	1.93'
	"	565		"	1.00'
	4.98'		WATER LEVEL	42°25'	12 0.74'
	1.57'		545	43°10'	87'
	4.66'		535	42°50'	57 1.83'
	3.66'		525	"	04 2.77'
	NB. L76 -525 X BL				
	@ 76 + 32.5' W				
<hr/>					
	L44W - 49 + 38'S X BL @ 44 + 59d				
L44	HJ = 5.06'				
L44W 50'S	9.13'	79+385 @ BLL		43°00'	75 1.22'
	9.38'	505		"	.55'
	9.04'		515	223°28'	23 38'
	5.86'		525	223°13'	1.48'
	"		535	"	2 2.35'
	"		545	"	3.24'

VCR	INCL DIST	HOR DIST	DIFF IN ELEV	ELEV.	NOTES
-4°17'	288'				
-4°19'	193'				
-4°06'	100'				
0°00'	-	49'	-0.24'		WATER BETWEEN STATIONS
.	-	87'	+3.09'		
+1°07'					
+2°50'	187'				
+1°43'	277'		+1.00'		
0°00'	-	122'	-4.01'		
.	-	55'	-4.32'		
"	-	38'	-3.98'		
-2°00'					
+1°18'	148'				
-3°04'					
2°55'	235'				
-2°56'	324'				

IT	RD HT	B.S.	F.S.	H.Ce.	R.
	HI = 5.10'				
575	5.10'	545		43°42'	⁵⁶ 2.91'
	"	555		"	1.92'
	"	565		"	1.00'
	10.20'		585	223°50'	97'
	5.10'		595	"	1.91'
	7.10'		605	"	3.03'
	"		615	"	4.00'
	HI = 5.00'				
655	5.00'	615		43°27'	⁰⁵ 4.896'
	"	625		"	3.11'
	9.60'	635		"	1.98'
	8.765'	645		"	.97'
	4.94'		665	223°30'	1.08°
	3.91'		675	"	2.13'
	5.00'		685	"	⁵³ 3.06
	"		695	"	4.02'
	"		705	"	5.04'

VCR	INCL DIST	HOR DIST	DIFF IN ELEV	ELEV.	NOTES
+5°08'	291'				
+4°43'	192'				
+3°58'	108'				
0°00'	97	97'	-5.10'		
-3°55'	197'				
"	303'		-2.00'		
-3°53'	400'		-2.00'		(1) CREEK LEVEL
-1°20'	416'				
-1°25'	311'				
0°00'	-	198'	-4.60'		
"	-	97'	-3.765'		
"	-	108'	+0.06'		
"	-	213'	-1.09'		
+0°55'	306'	306			
41°19'	402'				
41°49'	509'				





JULY 31, 1967

VCR.	INCL DIST	HOR DIST
-3°35'	376'	374'
+2°29'	176'	176'
+3°00'	310'	309'
+3°15'		
-0°38'	180'	180'
+3°15'	381'	380'
+3°12'	96'	95.8'
-6°21'	253'	250'

VCR.	INCL DIST	HOR DIST	DIFF IN ELEV	ELEV.	NOTES
0°00'	—	70'	-2.98		
+2°28'	88'	88'			
-2°45'	114.5'	113.7'			
+0°26'	2.76'	2.76			
+0°18'	180'	180'			
0°00'	—	90'	+0.48		
"	—	91'	-0.45		

π	ROW	B.S.	F.S	HCP	R
2LB 685	3.35'		705	222°59'	^{2.6} 1.8'5
	5.37'		715	"	⁸⁴ 2.93'
#15 121-122 #2 519 120		715		126°19'	⁰³ 2.165'
			54'5	223°25'	4.726'
7L'S		5L'S		49°05'	1.89'
			10L'S	224°05'	²³ 2.85'
11L'S		10L'S		43°17'	1.15'
			14L'S	223°17'	2.67'
#1'S 119-120		14L'S		109°52'	.90'

RCR	INCL DIST	HOR DIST	DIFF IN ELEV	ELEV.	NOTES
0°00'	-	185'	+1.38'		
"	-	293'	-0.64'		
+3°39'	216.5'	214'			
-1°11'	476'	475.'			
+3°00'	189	188.5'			
-2°40'	285'	284'			
+2°00'	115'	114.5'			
-7°25'	267'	262.5'			
+3°16'	80'	89.7'			

AUGUST 1ST

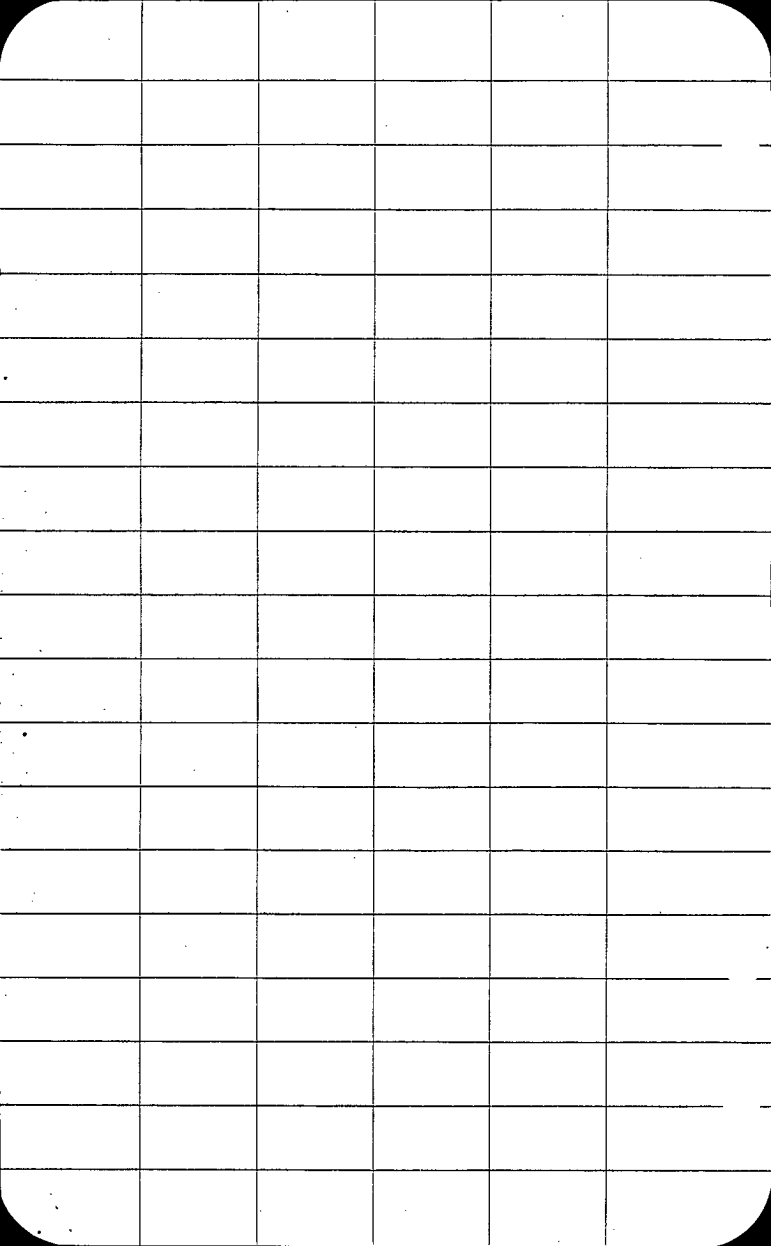
67

T	R.O. HT	B.S.	F.S.	H.C.P.	P
N.B.	CL #4 X	(BL 50s)	@	105°30'	W
L ¹⁰⁴ 415		#2'S 109-110		12°30'	223'
			445	22°00'	278
485		445	445	415-7'	3.70'
			BL 157W	221°55'	1.86'
#1'S 109-110			L100W		
#2' 114-118			575	304°31'	1°38'
#2'S 105-106			L108W 745	108°18'	2.48
#1'S 107-108			3L'S	235°00'	3.49'
L112 795		3L'S		53°31'	68° 16°61'
			835	218°57'	86 3.73'
065		035		36°43'	2.79'
			895	216°49'	2.97'

VCR	INCL DIST	HOR DIST		
0°00'		22.3		
+5°51'	278'	275'		
-2°13'	370'	370'		
+5°27'	186'	184.2		
-6°30'	138'	136.2		
-2°57'	148'	147.5'	N.B. CL. APPROX 10° OUT	
-7°29'	349'	344'		
+4°44'	161'	160'		
-5°56'	373'	369'		
+4°14'	279'	277'		
-4°41'	297'	295		

\bar{N}	RD HT	B.S.	F.S.	HCP	R
L112 925		895		38°16'	3.12'
			#115 105-106 #215 103-104	316°49'	2.51'
#215 103-104			4L'S	235°00'	3.80'
6L'S		4L'S		55°35'	1.97'
			10L'S	225°00'	4.36'
		BL100S X CL #4 APPROX			
		<u>@ 114+21.5W</u>		<u>9+ .5L'S</u>	
11L'S		10L'S		54°47'	.86'
			18L'S	235°00'	1.91'
14L'S		13L'S		54°40'	.97'
			18L'S	235°00'	3.74'
19L'S					
19L'S		18L'S		56°02'	1.20'
			20L'S	209°17'	.004'
#115		60L'S		32°45'	2.52'

JCL.	1000 015	1000 015		
+5°31'	312'	308'		
-1°07'	251'	251'		
-5°13'	380'	377'		
+3°31'	197'	196.2'		
-3°30'	434'	435'		
	ACTUALLY	ITS		
		113		
+3°44'	86'	85.7'		
-5°26'	191'	189.2'		
			NB.	
+5°27'	97'	96.2'	WEST	CLAIM
				LINE
-4°36'	374'	371.5'		@ 190'S + 15'
+3°43'	120'	119.5'		
-2°35'	84'	84'		
+2°20'	252'	251.5'		



AUGUST 2nd 67

CLAIM LINE #45

TT	B.S.	F.S.	H.C.	R
BL 136W		#2 ⁵ ₉₅ X L136	175°13'	1.42
		35	220°39'	2.9'2"
75	35	-	42°12'	3.93'
		135	222°00'	5.96'
165	135		42°35'	2.95'
		185	222°26'	2.07'
#1 ⁵ 95-96	135			
	185		343°52'	.82'
L136 3N	BL 136W		220°53'	3.18'
		8N	40°57'	4.77'
9+N	8N	7	219°58'	7.46'
		11N	40°47'	1.37'
15+N	11N		220°14'	4.50'

UCR.	INCL DIST	HOR DIST		
-5°02'	142'	141		
-6°56'	292	288		
+9°14'	393	383		
-5°15'	596	590		
+4°05'	295	293.5		CREEK
-3°35'	207	206		
+1°50'	82'	82		
—				—
-5°10'	318'	315		
+7°34'	477'	469		
-7°30'	146'	143.5		
-4°46'	137'	136		
+5°26'	450'	446		

TT	B.S	F.S	H.C.R	R.
15 ⁺ N			16N 40°47'	.42'
#2 ^{'s} 97-98	16N		277°37'	1.045
#1 ^{'s} 99-100		5L's	31°06'	4.40
7L's	5L's		210°30'	1.89'
		13L's	45°00'	5.60.
15L's	13L's		229°57'	1.56'
		#2 ^{'s} 99-100	87°58'	1.17'
#		#1 ^{'s} 101-102		
#1 ^{'s} 101-102		6L's	47°11'	5.76
8L's	6L's		227°51'	1.90'
		10L's	47°11'	2.25'
13L's	10L's		226°14'	2.07'
		14L's	19°43'	1.22'

UCR	INCL D'ST	HOR D'ST			
-9°00'	42'	41			
-6°41'	84.5	84.3			
-8°14'	448'	440			
+8°23'	184	180			
-3°17'	56'	55.8			
+5°18'	156'	154.7			
-0°33'	117'	117			
-7°21'	576'	566			
+4°59'	199'	188.5			
-5°28'	225'	223			
+11°22'	207'	199.3			
-8°49'	122	119.0			

IT	B.S	F.S	HBR	P.
#2's 101 ⁰⁰ 2	14L'S		207 ²⁵ '	2.15
#2's 93 ⁹⁴		5L'S	225 ⁰⁰ '	4.77'
7L'S	5L'S		46 ⁰⁴ '	1.99
		10L'S	225 ⁰⁰ '	2.75
				2.75
17L'S	10L'S		46 ³² '	9.25'
		16L'S	225 ⁴³ '	5.00'
# ¹⁵ 93 ⁹⁴ ¹⁵ 92 #691	16L'S		22 ²⁰ '	7.37
		2L'S	225 ⁰⁰ '	1.86'
3L'S	2L'S		45 ³⁹ '	.96'
		5L'S	225 ³⁹ '	1.95'
L136 #2+N	5L'S		121 ⁴⁴ '	.87'
		45N	221 ³⁰ '	3.56'

VCR	INCL D.S.	HOR D.S.			
+13°00'	215	203.8			
			AUG. 3 rd / 67.		
-0°54'	477'	477			
-1°26'	199'	194			
-2°35'	275'	275			
+4°56'	92.5'	91.8			
-1°46'	500'	500			
-5°28'	73.7'	73			
+3°31'	186'	185.5			
-0°34'	96	96			
+0°36'	199'	199			
+4°00'	87'	86.5			
+2°00'	356'	356			

π	B.S.	F.S.	HR.	P.
L136 485	453		42°00'	2.94'
		525	222°02'	3.08'
		505 BL 136W	"	1.83'
535	525		41°51'	1.02'
		#115 91-92 121-89-90	141°20'	.95
		575	221°56'	3.78'
615	575		41°48'	3.84'
		645	221°42'	2.97'
675	645		42°06'	2.94'
		705	221°58'	3.04'
		# 115 89-90 - 30.5' EAST OF 705 ON L136W		
735	705		42°06'	2.96'
		765	221°57'	2.69'

VCR.	INCL D/57	HOR. D/5.
+2°31'	294'	294
+0°27'	388'	388
-1°43'	183'	183
+1°08'	102'	102
+5°00'	95'	94.3
-0°32'	378'	378
+1°30'	384'	384
-4°46'	297'	295
+2°45'	294'	294
+0°30'	304'	304
-0°13'	296'	296
0°00'	—	269'

Station of Inst at.	Ht of Inst, Rod.	B.S	I-S	Horiz Angle	Stadia Diff
96.85	5.2'	80 S		40° 53'	2.00
		81 S		40 53	1.00
			82 S		
			84 S	220 15'	2.10
87 S		84 86		41° 50' 36	2.92
			88+	220° 15	2.32
92 S		88+ S		42° 51	3.14 ^{5.38}
	6.18 4.17		95 S	223° 05	2.75
97		95 S		41 35°	2.01
		5.00 2.66 3.02	BL #4	221° 52'	3.02
BL #4			99 W <small>on at 7.2'</small>	312°	2.68
103 W		99 W		131 05	3.80
			104 W	310° 30'	1.05
104 W			104 W South	221 45	
			106 W	310° 55'	1.98
109 W		106 W		132° 11'	2.96 ✓
			112 W	312° 17'	2.91
			102 W South	221° 45	

Vert. \angle	Incl. Δ	Height
+2° 20'	200	199
+2° 00'	100	99.5
-3° 10'	210	209.5
+4° 15'	292	291
-3° 20'	232	231
+2° 51'	314	313
-1° 53'	275	274
+3° 12'	201	200
-2° 20'	302	301
+1° 12'	268	
	380	

L. 104 from #3 base line drops about ^{on} ~~at~~ North of BL# @ 1005. Turned off to South

+10 60

+7° 41'

+8° 45'

	BS	FS	Height Angle	Station Diff
112W		115W	311° 18'	2.86
118W		115W	131° 45'	2.82
		120W	311° 30'	2.00
120W	5.48 4.00	L 120W South	221° 04'	
	1.98 3.96	124W	311° 22'	3.96
126W 4.88 1.75		124W	131° 06'	1.96
		128W	311° 03'	2.00
131W		128W	130° 10'	2.95
		132W	310° 13'	1.68
		134W	310° 15'	2.98
136W		134W	132° 08'	1.98
		138W	311° 36'	2.68
140		138W	132° 06'	2.18
138W		L 140 100S.	40° 40'	1.36

Vest L	Incl.	Hang	Diff in Elev	
				55.8
+1° 15'				7.00 5.58
+0° 15'				1.42 3.46
+1° 35'				1.90
			L. 120	1.56 3.12
-2° 25'			8' from BL #4 or 8' East of 122W	
+0° 45'				
-1° 12'				
-2° 46				
-1° 45				
2° 40				
+3° 00				
-1° 30'				
+2° 00				
+5° 12'				← L. 140 from #3 BL.

5.16
 3.30
 1.86

-2° 30'

+3° 36'

-2° 35'

1.92
 3.84

-2° 30'

+3° 30'

-2° 35'

+2° 05'

+2° 40'

+4° 15'

-8° 18'

+2° 49'

+10° 15' 109.5

-1° 15'

+1° 00'

Actually
 25 W

error
 26 W is 25 W

1.36

.86

1.72

32 W
 221° 05'

	BS	FS		
BL 43	40W		130° 50'	2.88
	42W	38 42N	130° 45'	96
		44W	310° 00'	925
		46W	310° 05'	2.88
48	46W		130° 30'	1.85 -
		50W	310 35	1.85
52W	50W		130° 50'	1.88
		54	311° 00'	1.96
56W	54W		130° 04'	1.81
		58W	311° 05'	1.83
60W	58W		131° 33'	1.85
		62W	311 35	1.80
64W	62W		132° 10'	1.82
	✓	62 South	221° 30'	✓
		66W	311° 35'	1.86
68W	66		131° 47'	1.92
		70	311° 50'	1.87
		70 DIST H&R	2510 77M	701 ICE

Hor.
Dist.

-0° 45'

-2° 05'

-1° 52'

+2° 15'

-0° 45'

+0° 40'

+2° 05'

+0° 40'

Turn off at 56.0
222° 33'

+1° 55'

+4° 40'

183.5'

1.86

-0° 04'

+2° 50'

12.30

-1° 00'

+1° 30'

5.86

4.01

-7° 25'

1.87

	B.S.	F.S.	Horiz	Stn W
68 W	72	72 W	311° 50'	3.80
72 W	✓	72 South	220° 20'	
		8m A	311° 30'	3.20
8m B	A		131° 40'	2.20
		80 W	131° 50'	3.08
80 W		82 W	311° 42'	1.92
	✓	80 W South	220° 48'	
84 W	82 W		131° 35'	1.89
		86 W	311° 37'	2.63
88 W	87 W		131° 33'	1.055
	✓	88 South	225° 03'	
		91 W	311° 35'	3.00
94 W	91 W		130° 54'	2.96
		95 W	311° 25'	.86
96 W	95		131° 43'	.79
		496 ¹⁰⁰⁸	359° 30'	.79
	Along	BL.		

Vert

Horiz
Dist.

$-7^{\circ} 20'$

374

~~$-4^{\circ} 20'$~~

$-4^{\circ} 20'$

$+3^{\circ} 19'$

$-2^{\circ} 05'$

$-0^{\circ} 40'$

$+4^{\circ} 10'$

$-4^{\circ} 00'$

$+0^{\circ} 25'$

$-1^{\circ} 56'$

$+1^{\circ} 15'$

$-3^{\circ} 30'$