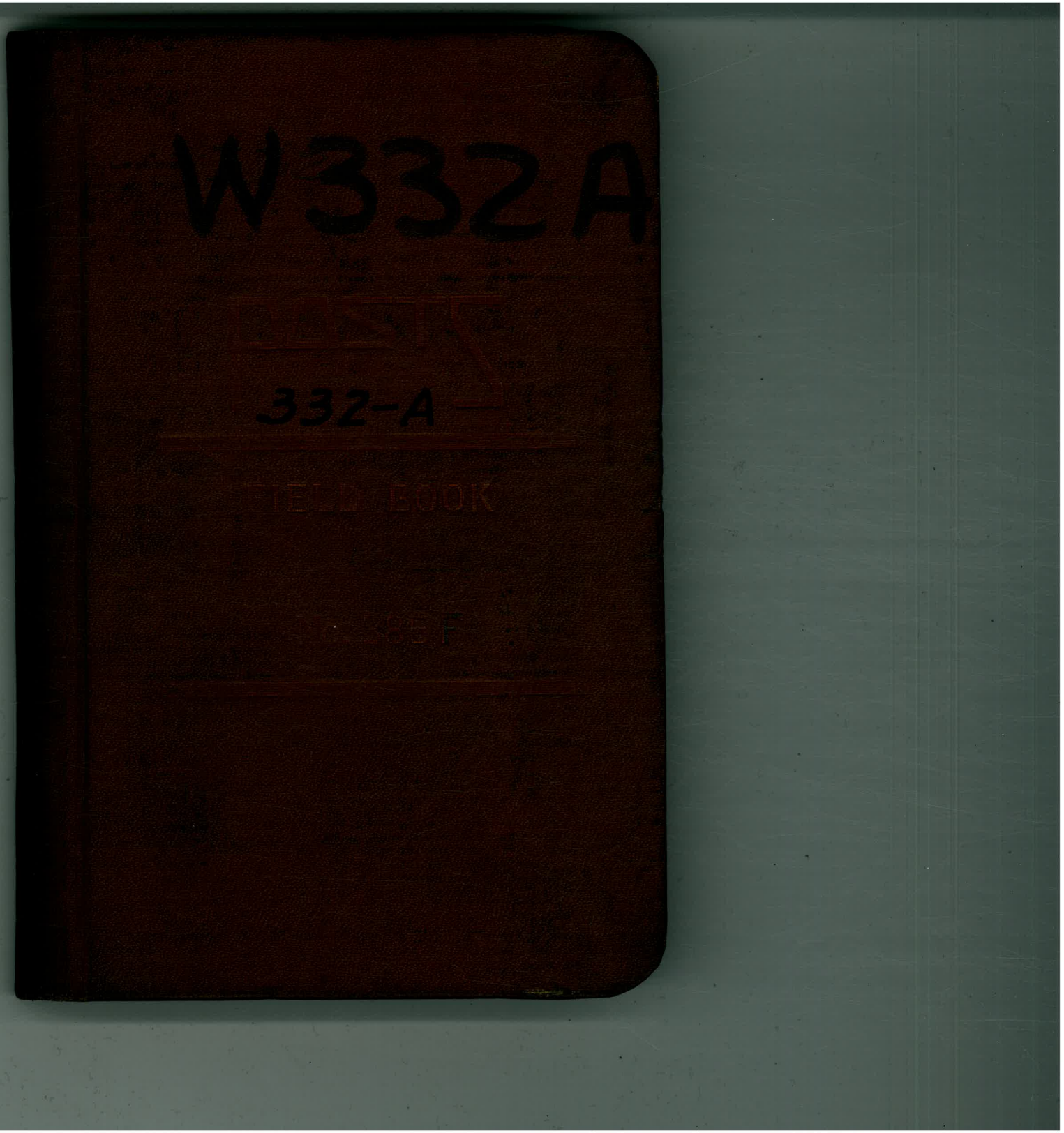
W332A
332-A

Our Leather Bound Engineers Note Books are carried in the following rulings:

No. 380 LEVEL BOOK. Left and Right Hand Page the same as Left Hand Page of this Book.

No. 382 FIELD BOOK. Left Hand Page as in this Book, Right Hand Page 4 x 4 to the inch, Center Line Red.

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THE FREDERICK POST CO.

ENGINEERING and DRAFTING SUPPLIES

IRVING PARK STATION

CHICAGO, ILL.

Index.
Field Notes of Coordinate Cross Sections
of El Capitan Dam Site. 1932.

Jan. 28 to Feb. 8. 1932.
Converse
Gottschling
Simpson
Elliott

Jan. 28-32
P.O.G.

Cross-section of Damsite

Southend of Axis Co-ord. N 3000 E 5000 765.815 BM on hub

	11.355	777.170				
N 3000						
E 4990			8.8	768.4	✓	✓
N 3000						
E 4980			8.0	769.2	✓	✓
N 3000						
E 4970			6.1	771.1	✓	✓
N 3000						
E 4960			4.7	772.5	✓	✓
N 3000						
E 4950			5.0	772.2	✓	✓
N 3000						
E 4940			4.0	773.2	✓	✓
	12.61	789.200	0.58	776.590	✓	✓
N 3000						
E 4930			12.0	777.2	✓	
N 3000						
E 4920			8.4	780.8	✓	✓
N 3000						
E 4910			6.9	782.3	✓	✓
N 3000						✓
E 4900			3.73	785.47	✓	on hub
	3.135	779.745	12.59	776.61	✓	✓
N 3010						
E 4900			0.5	779.2	✓	✓
N 3010						
E 4910			3.4	776.3	✓	✓
N 3010						
E 4920			7.0	772.7	✓	✓
N 3020						
E 4920			13.40	766.3	✓	✓
N 3020						
E 4910			10.30	769.4	✓	✓
N 3020						
E 4900			7.9	771.8	✓	✓
	0.380	767.415	12.71	767.035		
			3.19	764.225	= 764.22	BM
N 3020						
E 4930			3.1	764.3	✓	✓
N 3010						
E 4930			+3.4	770.8	✓	✓
N 3020					✓	
E 4940			5.1	762.3	✓	✓

✓ W.H.G.

Cross-section contin

Jan. 28-32
29

P. 9 C.

2

		767.41				
N 30 10						
E 4940			+0.3	767.7	✓	✓
N 3020						
E 4950			6.6	760.8	✓	✓
N 3010						
E 4950			0.0	767.4	✓	✓
N 3020						
E 4960			7.7	759.7	✓	✓
N 3010						
E 4960			2.0	765.4	✓	✓
N 30 20						
E 4970			11.0	756.4	✓	✓
N 30 10						
E 4970			3.5	763.9	✓	✓
N 30 20						
E 4980			13.2	754.2	✓	✓
N 3010						
E 4980			2.9	764.5	✓	✓
N 30 10						
E 4990			6.1	761.3	✓	✓
N 3010						
E 5000			9.8	757.6	✓	✓
	1.00	766.81	1.000	765.81	= 765.815	
N 3000						
E 5010			1.8	765.0	✓	✓
N 3000						
E 5020			2.9	763.9	✓	✓
N 3000						
E 5030			4.5	762.3	✓	✓
N 3000						
E 5040			9.2	757.6	✓	✓
N 3040						
E 5000	11.345	757.795		746.450	✓	✓
N 3030						
E 5000			5.8	752.0	✓	✓
N 30 20						
E 5000			5.5	752.3	✓	✓
N 3040						
E 5010			13.0	744.8	✓	✓
N 3030						
E 5010			6.8	751.0	✓	✓
N 30 20						
E 5010			5.7	752.1	✓	✓
N 30 20						
E 5020			5.3	752.5	✓	✓
N 3030						
E 5020			7.0	750.8	✓	✓
N 3020						
E 5030			5.5	752.3	✓	✓
				✓ W.K.G.		

Cross-section contin.

Jan. 29 -32

P.O.G.

757.795

N 30 20				
E 50 40	5.5	752.3	✓	✓
N 30 10				
E 50 40	5.2	752.6	✓	✓
N 30 30				
E 50 90	11.8	746.0	✓	✓
N 30 30				
E 50 50	15.0	742.8	✓	✓
N 30 20				
E 50 50	8.6	749.2	✓	✓
N 30 10				
E 50 50	5.3	752.5	✓	✓
N 30 20				
E 50 60	11.1	746.7	✓	✓
N 30 10				
E 50 60	5.7	752.1	✓	✓
N 30 10				
E 50 80	8.0	749.8	✓	✓
N 30 00				
E 50 80	5.5	752.3	✓	✓
N 30 10				
E 50 90	6.6	751.2	✓	✓
N 3000				
E 50 90	5.5	752.3	✓	✓
N 3000				
E 5100	5.5	752.3	✓	✓
N 3010				
E 5100	9.7	748.1	✓	✓
N 3010				
E 50 90	9.1	748.7	✓	✓
N 3000				
E 51 10	5.7	752.1	✓	✓
N 3010				
E 51 10	10.1	747.7	✓	✓
N 3010				
E 51 20	11.5	746.3	✓	✓
N 3000				
E 51 20	5.795	752.000	✓ on hub	✓
N 3000				
E 50 50	4.5	753.3	✓	✓
N 3000				
E 50 60	5.1	752.7	✓	✓
N 3000				
E 50 70	5.0	752.8	✓	✓
N 3010				
E 50 30	5.1	752.7	✓	✓
N 3010				
E 50 20	5.0	752.8	✓	✓
N 3010				
E 50 10	4.0	753.8	✓	✓
		← wks.		

Cross-section contin.

Jan. 29-32

P.O.6

	757.795				
N3020					
E4990		5.0	752.8	✓	✓
N3030					
E4990		5.8	752.0	✓	✓
N3030					
E4980		5.7	752.1	✓	✓
N3030					
E4970		4.9	752.9	✓	✓
N3030					
E4960		5.1	752.7	✓	✓
N3030					
E4950		5.0	752.8	✓	✓
N3030					
E4940		2.3	755.5	✓	✓
N3030					
E4930		0.0	757.8	✓	✓
N3040					
E4920		5.1	752.7	✓	✓
N3040			761.2	✓	
E4920		+3.4	~~768.2~~		✓
N3040				✓	
E4910		4.5	753.3		✓
N3030			764.2	✓	
E4910		+6.4	~~763.2~~		✓
N3040				✓	
E4900		0.2	757.6		✓
N3040				✓	
E4890		+1.3	759.1		✓
N3040				✓	✓
E4880		+3.7	761.5		✓
N3040				✓	
E4870		+3.5	761.3		
N3040				✓	✓
E4860		+3.4	761.2		
N3050				✓	✓
E4860		5.2	752.6		✓
N3050				✓	
E4840		5.5	752.3		✓
N3060				✓	
E4840		7.420	750.375	on hub	✓
N3070				✓	
E4840		13.4	744.4		✓
N3060				✓	
E4850		6.1	751.7		✓
N3070				✓	
E4850		12.0	745.8		✓
N3060				✓	
E4850		5.4	752.4		✓
N3060				✓	
E4860		6.1	751.7		✓
			∠ m.D.E		

Jan. 29-32

P.Q.G.

Cross-section contin.

757.795

N3050					
E4860		5.5	752.3	✓	✓
N3070					
E4860		9.0	748.8	✓	✓
N3080					
E4860		13.9	743.9	✓	✓ on Boulder
N3080					
E4870		16.4	741.4	✓	✓
N3080					
E4880		15.0	742.8	✓	✓
N3070					
E4880		9.5	748.3	✓	✓
N3060					
E4880		6.0	751.8	✓	✓
N3060					
E4870		5.8	752.0	✓	✓
N3070					
E4870		9.4	748.4	✓	✓
N3050					
E4870		5.3	752.5	✓	✓
N3050					
E4880		5.4	752.4	✓	✓
N3050					
E4890		5.3	752.5	✓	✓
N3060					
E4890		5.8	752.0	✓	✓
N3070					
E4890		10.3	747.5	✓	✓
N3050					
E4900		5.3	752.5	✓	✓
N3060					
E4900		6.0	751.8	✓	✓
N3070					
E4900		11.6	746.2	✓	✓
N3050					
E4910		5.3	752.5	✓	✓
N3060					
E4910		6.4	751.4	✓	✓
N3070					
E4910		13.7	744.1	✓	✓
N3060					
E4920		9.5	748.3	✓	✓
N3050					
E4920		5.4	752.4	✓	✓
N3040					
E4930		5.4	752.4	✓	✓
N3050					
E4930		6.3	751.5	✓	✓
N3060					
E4930		11.0	746.8	✓	✓
			m.D.E.		

Cross-section Contin.

Jan. 29-32

R.O.G.

		757.795				
N 3060						
E 4940			12.9	744.9	✓	✓
N 3050						
E 4940			7.5	750.3	✓	✓
N 3040						
E 4940			5.5	752.3	✓	✓
N 3040.						
E 4950			5.6	752.2	✓	✓
N 3050						
E 4950			9.5	748.3	✓	✓
N 3040						
E 4960			6.5	751.3	✓	✓
N 3040						
E 4960			12.7	745.1	✓	✓
N 3040						
E 4970			8.4	749.4	✓	✓
N 2040						
E 4980			9.4	748.4	✓	✓
N 3040						
E 4990			11.0	746.8	✓	✓
	1.165	747.615	14345	746.450		
N 3040						
E 5020			5.2	742.4	✓	✓
N 3040						
E 5030			6.1	741.5	✓	✓
N 3030						
E 5030			+0.7	748.3	✓	✓
N 3020						
E 5070			3.5	744.1	✓	✓
N 3020						
E 5080			4.5	743.1	✓	✓
N 3020						
E 5090			6.3	742.3	✓	✓
N 3020						
E 5100			5.0	742.6	✓	✓
N 3020						
E 5110			7.3	740.3	✓	✓
N 3020						
E 5120			8.6	739.0	✓	✓
N 3020						
E 5130			8.9	738.7	✓	✓
N 3020						
E 5140			9.8	737.8	✓	✓
N 3020						
E 5150			8.5	739.1	✓	✓
N 3020						
E 5160			8.48	739.135	✓ on hub	✓
N 3080						
E 5160			13.7	733.9	✓	✓

Cross-section contin.

747.615

N3030				
E5150 N3030	15.9	731.7	✓	✓
E5140 N3030	15.2	732.4	✓	✓
E5130 N3030	14.6	733.0	✓	✓
E5120 N3030	13.9	733.7	✓	✓
E5110 N3030	13.2	734.4	✓	✓
E5100 N3030	11.7	735.9	✓	✓
E5090 N3030	10.8	736.8	✓	✓
E5080 N3030	9.7	737.9	✓	✓
E5070 N3030	9.3	738.3	✓	✓
E5060 N3040	7.9	739.7	✓	✓
E5060 N3040	13.7	733.9	✓	✓
E5050 N3040	11.6	736.0	✓	✓
E5040 N3050	8.7	738.9	✓	✓
E5040 N3050	14.2	733.4	✓	✓
E5030 N3050	12.8	734.8	✓	✓
E5020 N3050	12.0	735.6	✓	✓
E5010 N3050	9.5	738.1	✓	✓
E5000 N3050	8.2	739.4	✓	✓
E4990 N3050	7.7	739.9 737.9	✓	✓
E4980 N3050	7.4	740.2	✓	✓
E4970 N3060	5.4	742.2	✓	✓
E4960 N3050	8.7	738.9	✓	✓
E4960 N3070	2.9	744.7	✓	✓
E4960 N3070	13.2	734.4	✓	✓
E4950	10.4	736.9	✓	✓

M.O.E

Jan-29-32

P.O.G.

Cross-section Contin.

Jan 29-32

P.O.G.

		747.6N				
N3060						
E4950			5.3	742.3	✓	✓
N3060						
E4940			2.7	744.9	✓	✓
N3070						
E4940			8.7	738.9	✓	✓
N3070						
E4960			13.1	734.5	✓	✓
N3070						
E4950			10.6	737.0	✓	✓
N3070						
E4930			7.2	740.4	✓	✓
N3070						
E4920			5.7	741.9	✓	✓
N3080						
E4920			12.1	735.5	✓	✓
N3080						
E4910			10.3	737.3	✓	✓
N3080						
E4900			8.9	738.7	✓	✓
N3080						
E4890			2.1	739.5	✓	✓
N3080						
E4850			8.6	739.0	✓	✓
N3080						
E4840			9.7	737.9	✓	✓
N3080						
E4830			11.1	736.5	✓	✓
N3080						
E4820			12.6	735.0	✓	✓
N3080						
E4810			13.1	734.5	✓	✓
N3080						
E4800	2.415	737.380	12.650	734.765	on rock ✓	Near hub
			3.6	733.8	✓	✓
N3090						
E4800			6.7	730.7	✓	✓
N3100						
E4780			13.5	723.9	✓	✓
N3100						
E4790			12.7	724.7	✓	✓
N3100				726.5		
E4800			10.9	~~276~~ .5	✓	✓
N3100						
E4810			10.6	726.8	✓	✓
N3090						
E4810			6.6	730.8	✓	✓
N3090						
E4820			6.9	730.5	✓	✓
				~~737.8~~		

Cross-section contin.

Jan-29-32

POG

737.380

N3100			
E4820	11.0	726.4	✓
N3100			
E4830	11.0	726.4	
N3090			
E4830	6.9	730.5	
N3090			
E4840	5.3	232.1	
N3100			
E4840	10.5	726.9	
N3100			
E4850	9.2	728.2	
N3090			
E4850	4.0	733.4	
N3100			
E4860	9.0	728.4	
N3090			
E4860	4.8	732.6	
N3100			
E4870	10.1	727.3	
N3090			
E4870	4.6	732.8	
N3100			
E4880	10.0	727.4	
N3090			
E4880	4.6	732.8	
N3100			
E4890	11.4	726.0	
N3090			
E4890	3.8	733.6	
N3090			
E4900	4.1	733.3	
N3100			
E4900	11.7	725.4	
N3100			
E4910	11.7	725.7	
N3090			
E4910	8.2	729.2	
N3100			
E4920	12.1	725.3	
N3090			
E4920	6.9	730.5	
N3100			
E4930	14.7	722.7	
N3090			
E4930	8.4	729.0	
N3080			
E4930	3.5	733.9	
N3080			
E4940	5.3	732.1	✓

← M.R.B

Cross-section contin.

Jan. 29-32

P.O.C.

737.380

N 3090				
E 4940	10.3	727.1	✓	✓
N 3080				
E 4950	6.3	731.1	✓	
N 3090				
E 4950	13.1	724.3	✓	
N 3080				
E 4960	10.3	727.1	✓	
N 3080		724.4		
E 4970	13.0	~~727.1~~	✓	
N 3060				
E 4970	2.4	735.0	✓	
N 3070				
E 4970	7.7	729.7	✓	
N 3060				
E 4980	4.7	732.7	✓	
N 3070				
E 4980	10.7	726.7	✓	
N 3070				
E 4990	11.4	726.0	✓	
N 3060				
E 5000	4.28	733.100	✓	=733.11
N 3070				
E 5000	9.9	727.5	✓	
N 3060				
4990	4.5	732.9	✓	
N 3060				
E 5010	5.2	732.2	✓	
N 3070				
E 5010	10.0	727.4	✓	
N 3060				
E 5020	7.7	729.7	✓	
N 3070				
E 5020	11.7	725.7	✓	
N 3070				
E 5030	15.2	722.~~4~~ 2	✓	
N 3060				
E 5030	9.4	728.0	✓	
N 3060				
E 5040	11.6	725.8	✓	
N 3060				
E 5050	13.2	724.2	✓	
N 3060				
E 5060	14.1	723.3	✓	
N 3040				
E 5070	4.5	732.9	✓	
N 3050				
E 5070	10.1	727.3	✓	
N 3040				
E 5080	5.6	731.9	✓	✓

✓ m.S.C.

Jan. 29-32
P.O.G

Cross-section contin.

		737.380			
N 3050					
E 5080			11.9	725.5	✓ ✓
N 3040					
E 5090			6.8	730.9	✓
N 3050					
E 5090			12.2	725.2	✓
N 3040					
E 5100			8.2	729.2	✓
N 3050					
E 5100			12.5	724.9	✓
N 3040					
E 5110			9.1	728.3	✓
N 3050					
E 5110			12.0	725.4	✓
N 3040					
E 5120			8.8	728.6	✓
N 3050					
E 5126			13.7	723.7	✓
N 3040					
E 5130			9.3	728.1	✓
N 3050					
E 5130			15.1	722.3	✓
N 3050					
E 5140			15.5	721.9	✓
N 3040					
E 5140			10.0	727.4	✓
N 3040					
E 5150			10.4	727.0	✓
N 3050					
E 5150			16.2	721.2	✓
N 3050					
E 5160			K.1	721.3	✓
N 3040					
E 5160			10.065	727.315	on hub
			12.995	724.385	on rock
	1.50	734.61		733.11	BM at N3600 E5000
N 3050					
E 5050			3.5	731.1	✓
N 3050					
E 5060			6.5	728.1	✓
	0.22	724.605 ~~733.33~~		724.385 ~~733.11~~	
N 3060				714.755	✓
E 5180			9.85	~~723.48~~	On hub
N 3070					
E 5180			13.7	710.9	✓
N 3070					
E 5170			13.7	710.9	✓ ✓
				M.A.S.	

Feb. 1-32 raining ! 3rd day

Cross-section contin.

724.605
723.23

Station					
N 3060 E 5170			10.2	714.4	✓
N 3060 E 5160			8.6	716.0	✓
N 3070 E 5160			13.8	710.8	✓
N 3070 E 5150			8.4	716.2	✓
N 3060 E 5140			8.3	716.3	✓
N 3070 E 5140			13.2	711.4	✓
N 3070 E 5130			13.1	711.5	✓
N 3060 E 5130			8.0	716.6	✓
N 3060 E 5120			6.7	717.9	✓
N 3070 E 5120			12.7	711.9	✓
N 3070 E 5110			11.4	713.2	✓
N 3060 E 5110			6.3	718.3	✓
N 3060 E 5100			5.1	719.5	✓
N 3070 E 5100			10.5	714.1	✓
N 3070 E 5090			11.3	713.3	✓
N 3060 E 5090			5.2	719.4	✓
N 3060 E 5080			5.2	719.4	✓
N 3070 E 5080			9.7	714.9	✓
N 3070 E 5070			7.7	716.9	✓
N 3060 E 5070			3.0	721.6	✓
N 3070 E 5060			5.1	719.5	✓
N 3080 E 5060			11.3	713.3	✓
N 3080 E 5050			10.8	713.8	✓
N 3070 E 5050			~~4.7~~ .6	720.0	✓
N 3070 E 5040			4.2	720.4	✓

✓ M.R.S

Feb. 1 - 32

Raining!

P.O.G
J. Salgado
A. Remmen

Cross-section contin.

	724.605 ~~7??.33~~			
N3080 E5040		9.2	715.4	✓
N3080 E5030		6.6	718.0	✓
N3090 E5030		12.4	712.2	✓
N3080 E5020		4.0	720.6	✓
N3090 E5020		10.0	714.6	✓
N3090 E5010		8.8	715.8	✓
N3080 E5010		2.8	721.8	✓
N3080 E5000		3.99	720.615 ~~7[illegible].34~~	720.615 on hub
N3090 E5000		10.2	714.4	✓
N3090 E4990		10.3	714.3	✓
N3080 E4990		5.2	719.4	✓
N3080 E4980		4.3	720.3	✓
N3090 E4980		9.0	715.6	✓
N3100 E4980		13.0	711.6	✓
N3090 E4970		6.5	718.1	✓
N3090 E4960		2.5	722.1	✓
N3100 E4960		7.7 ~~[illegible]~~	716.9	✓
N3100 E4970		8.8	715.8	✓
N3110 E4960		12.7	711.9	✓
N3100 E4950		6.0	718.6	✓
N3110 E4950		10.7	713.9	✓
N3100 E4940		4.4	720.2	✓
N3110 E4940		9.4	715.2	✓
N3120 E4940		13.2	711.4	✓
N3110 E4930		7.0	717.6	✓
			- m.o.s.?	

Feb. 1-32

P.O.G.

on Tunnel portal rim

Cross-section contin.

Feb. 1-32

P.O.6.

724.605

N 3120		
E 4930	12.0	712.6
N 3120		
E 4920	10.6	714.0
N 3110		
E 4920	5.5	719.1
N 3110		
E 4910	4.9	719.7
N 3120		
E 4910	8.6	716.0
N 3130		
E 4910	12.8	711.8
N 3130		
E 4900	12.8	711.8
N 3120		
E 4900	8.0	716.6
N 3110		
E 4900	3.6	721.0
N 3110		
E 4890	2.6	722.0
N 3120		
E 4890	6.5	718.1
N 3130		
E 4890	11.6	713.0
N 3110		
E 4880	1.1	723.5
N 3120		
E 4880	5.7	718.9
N 3130		
E 4880	10.6	714.0
N 3110		
E 4870	0.8	723.8
N 3120		
E 4870	4.5	720.1
N 31 30		
E 4870	6.1	718.5
N 3130		
E 4860	7.6	717.0
N 31 20		
E 4860	4.0	720.6
N 3110		
E 4860	2.2	722.4
N 3110		
E 4850	2.5	722.1
N 3120		
E 4850	4.6	720.0
N 3130		
E 4850	7.9	716.7
N 3110		
E 4840	2.5	722.1

m.o.s

Feb. 1-32 raining
P.O.C.

Cross-section . contin.

		724.605				
N3120						
E4840			5.4	719.2	✓	✓
N3130						
E4840			13.2	711.4	✓	✓
N3110						
E4830			3.8	720.8	✓	✓
N3120						
E4830			8.0	716.6	✓	✓
N3130						
E4830			13.0	711.6	✓	✓
N3130						
E4820			14.2	710.4	✓	✓
N3120				714.9		
E4820			9.7	~~713.9~~	✓	✓
N3110						
E4820			4.9	719.7	✓	✓
N3110						
E4810			5.7	718.9	✓	✓
N3120						
E4810			10.3	714.3	✓	✓
N3130						
E4810			15.2	709.4	✓	✓
N3130						
E4810			16.7	707.9	✓	✓
N3120						
E4800			10.6	714.0	✓	✓
N3110						
E4800			4.9	719.7	✓	✓
N3110						
E4790			6.0	718.6	✓	✓
N3120						
E4790			10.9	713.7	✓	✓
N3130						
E4790			16.3	708.3	✓	✓
N3120					✓	
E4780			10.96	713.645	on hub	✓
N3110						
E4780			6.4	718.2	✓	✓
	0.53	712.475	12.660	711.945	+ m.g.6	
N3140						✓
E4760			12.90	699.585	✓ on hub	
N3130						
E4760			8.6	703.9	✓	✓
N3140						
E4770			11.0	701.5	✓	✓
N3130					✓	
E4770			6.4	706.1		✓
N3130					✓	
E4780			4.8	709.7		✓
				✓ G.W.C.		

Feb. 2-32

cross-section contin.

Feb. 2-32
P.O.C

712.475

N3140				
E4780	7.5 ~~8.6~~	705.0	✓	✓
N3150				
E4780	11.3	701.2	✓	✓
N3140				
E4790	9.3	703.2	✓	✓
N3150				
E4790	12.7	699.8	✓	✓
N3150				
E4800	13.4	699.1	✓	✓
N3140				
E4800	9.5	703.0	✓	✓
N3140				
E4810	8.5	704.0	✓	✓
N3150				
E4810	13.7	698.8	✓	✓
N3140				
E4820	7.1	705.4	✓	✓
N3150				
E4820	12.1	700.4	✓	✓
N3140				
E4830	7.1	705.4	✓	✓
N3150				
E4830	10.3	702.2 .3	✓	✓
N3140				
E4840	6.0	706.5 .0	✓	✓
N3150				
E4840	9.1	703.4	✓	✓
N3140				
E4850	5.8	706.7	✓	✓
N3150				
E4850	9.1	703.4	✓	✓
N3140				
E4860	4.6	707.9	✓	✓
N3150				
E4860	8.1	704.4	✓	✓
N3140				
E4870	3.2	709.3	✓	✓
N3150				
E4870	6.5	706.0	✓	✓
N3160				
E4870	11.9	700.6	✓	✓
N3160				
E4880	13.7	698.8	✓	✓
N3150				
E4880	5.4	707.1	✓	✓
N3140				
E4880	3.8	708.7	✓	✓
N3140				
E4890	3.5	709.0	✓	✓
		✓ G.W.C.		

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Cross-section contin,

712.975

N3150					
E4890		7.9	704.6	✓	✓
N3160					
E4890		11.45	701.025		=701.01 ✓
		14.5	698.0	✓	
N3160					
E4900		14.6	697.9	✓	✓
N3150					
E4900		8.9	703.6	✓	✓
N3140					
E4900		4.3	708.2	✓	✓
N3140					
E4910		5.1	707.4	✓	✓
N3150					
E4910		10.6	701.9	✓	✓
N3140					
E4920		4.0	708.5	✓	✓
N3150					
E4920		12.5	700.0	✓	✓
N3130					
E4920		1.8	710.7	✓	✓
N3130					
E4930		4.8	707.7	✓	✓
N3140					
E4930		8.3	704.2	✓	✓
N3150					
E4930		13.0	699.5	✓	✓
N3140					
E4940		9.5	703.0	✓	✓
N3130					
~~E4930~~ E4940		5.4	707.1	✓	✓
N3120					
E4950		4.5	708.0	✓	✓
N3130					
E4950		8.2	704.3	✓	✓
N3140					
E4950		12.1	700.4	✓	✓
N3120					
E4960		6.5	706.0	✓	✓
N3130					
E4960		10.7	701.8	✓	✓
N3110					
E4970		3.8	708.7	✓	✓
N3120					
E4970		7.9	704.6	✓	✓
N3130					
E4970		12.9	699.6	✓	✓
N3110					
E4980		6.1	706.4 ✓	✓	✓
			↑ GW.G.		

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P.O.G.

Cross-section - contin.

712.475

N3120 E4980	8.9	703.6	✓	✓
N3130 E4980	15.2	697.3	✓	✓
N3100 E4990	3.0	709.5	✓	✓
N3110 E4990	6.8	705.7	✓	✓
N3120 E4990	13.5	699.0	✓	✓
N3120 E5000		c 99.35	✓	✓
N3110 E5000	12.4	700.1	✓	✓ Tunnel grade
	7.9	704.6	✓	average ground
E5000 N3100	12.4	700.1	✓	✓
N3100 E5010	3.5	709.0	✓	✓
	3.6	708.9	✓	✓
N3110 E5010	8.5	704.0	✓	✓
N3120 E5010	15.2	697.3	✓	✓
N3120 E5020	15.5	697.0	✓	✓
N3120 E5020	9.4	703.1	✓	✓
N3100 E5020	4.0	708.5	✓	✓
N3100 E5030	4.0	708.5	✓	✓
N3110 E5030	9.5	703.0	✓	✓
N3090 E5040	1.6	710.9	✓	✓
N3100 E5040	7.0	705.5	✓	✓
~~N3100~~ 3110 ~~E5040~~ 5040	11.9	700.6	✓	✓
N3100 E5050	8.7	703.8	✓	✓
N3090 E5050	2.9	709.6	✓	✓
N3110 E5050	13.7	698.8	✓	✓
N3090 E5060	5.3	707.2	✓	✓
		✓ G.W.G.		

cross-section cont'n.

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712.475

N3100 E5060		9.8	702.7	✓	✓
N3110 E5060		16.0	696.5	✓	
N3080 E5070		1.4	711.1	✓	
N3090 E5070		6.0	706.5	✓	
N3100 E5090		10.7	701.8	✓	
N3080 E5080		3.3	709.2	✓	
N3090 E5080		8.5	704.0	✓	
N3100 E5080		13.2	699.3	✓	
N3080 E5090		4.7	707.8	✓	
N3090 E5090		10.0	702.5	✓	
N3080 E5100		3.9	708.6	✓	
N3090 E5100		9.5	703.0	✓	
N3080 E5110		4.5	708.0	✓	
N3090 E5110		9.9	702.6	✓	
N3080 E5120		6.1	706.4	✓	
N3090 E5120		10.6	701.9	✓	
N3080 E5130		6.4	706.1	✓	
N3090 E5130		11.4	701.1	✓	
N3080 E5140		7.0	705.5	✓	
N3090 E5140		11.9	700.6	✓	
N3080 E5150		6.5	706.0	✓	
N3090 E5150		11.6	700.9	✓	
N3080 E5160		6.9	705.6	✓	
N3090 E5160		11.4	701.1	✓	
N3080 E5170		7.3	705.2	✓	✓
			G.W.6.		

Cross-section contin

		712.475			
N3090 E5170			10.5	702.0	✓ ✓
N3080 E5180			7.7 ~~8.8~~	704.8	✓
N3090 E5180			11.0	701.5	✓
N3080 E5190			6.1	706.4	✓
N3090 E5190			12.1	700.4	✓
N3080 E5200			5.8	706.7	✓
N3090 E5200			12.0	700.5	✓
N3080 E5210			7.2	705.3	✓
N3090 E5210			11.6	700.9	✓
N3080 E5220			7.95	704.525	✓ on hub
N3090 E5220			12.2	700.3	✓
			12.645	699.830	✓ G.W.C. ✓
B.M.	5.75	705.10		699.35	B.M.
T.P.			11.93	693.17	Peg 3120 5060
	3.73	696.90			
N3120 E5030			1.8	95.1✓	✓ ✓
N3120 E5040			2.7	94.2✓	✓
N3130 E5040			5.1	91.8✓	✓
N3140 E5040			11.6	85.3✓	✓
N3140 E5030			10.2	86.7✓	✓
N3130 E5030			6.1	90.8✓	✓
N3120 E5050			3.8	93.1✓	✓
N3130 E5050			7.7	89.2✓	✓
N3140 E5050			12.5	84.4✓	✓
N3140 E5060			14.2	82.7✓	✓ ✓

W.H.S.

Feb. 2-32
P.O.C

Converse Chief
Elliott Notes
Simpson Level
Louden Rod

Feb 4-32

Cross-section contin

712.475

N3090						
E5170			10.5	702.0	✓	✓
N3080			7.7			
E5180			~~8.8~~	704.8	✓	
N3090						
E5180			11.0	701.5	✓	
N3080						
E5190			6.1	706.4	✓	
N3090						
E5190			12.1	700.4	✓	
N3080						
E5200			5.8	706.7	✓	
N3090						
E5200			12.0	700.5	✓	
N3080						
E5210			7.2	705.3	✓	
N3090						
E5210			11.6	700.9	✓	
N3080						
E5220			7.95	704.525	✓	on hub
N3090						
E5220			12.2	700.3	✓	
			12645	699.830	G.W.C. ✓	
B.M.	5.25	705.10		699.35	B.M.	
T.P.			11.93	693.17	Pag 3120 5060	
	3.73	696.90				
N3120						
E5030			1.8	95.1	✓	✓
N3120						
E5040			2.7	94.2	✓	
N3130						
E5040			5.1	91.8	✓	
N3140						
E5040			11.6	85.3	✓	
N3140						
E5030			10.2	86.7	✓	
N3130						
E5030			6.1	90.8	✓	
N3120						
E5050			3.8	93.1	✓	
N3130						
E5050			7.7	89.2	✓	
N3140						
E5050			12.5	84.4	✓	
N3140						
E5060			14.2	82.7	✓	✓

W.H.S.

Feb. 2-32
P.O. C

Converse Chief
Elliott Notes
Simpson Level
Louden Rod

Feb 4-32

	696.90			
N. 3130 E 5060		10.4	686.5	✓ ✓
N. 3120 E 5060		4.1	92.8	✓
N. 3120 E 5070		5.0	91.9	✓
N 3130 E 5070		11.2	85.7	✓
N 3110 E 5070		1.3	95.6	✓
N 3110 E 5080		1.8	95.1	✓
N 3120 E 5080		7.2	89.7	✓
N 3130 E 5080		11.9	85.0	✓
N 3120 E 5090		8.2	88.7	✓
N 3130 E 5090		11.9	85.0	✓
N 3110 E 5090		4.2	92.7	✓
N 3100 E 5090		+ 0.8	97.7	✓
N. 3100 E 5100		+ 0.7	97.6	✓
N. 3110 E 5100		4.3	92.6	✓
N 3120 E 5100		9.0	87.9	✓
N 3130 E 5100		12.9	84.0	✓
N 3130 E 5110		13.8	83.1	✓
N 3120 E 5110		9.4	87.5	✓
N 3110 E 5110		4.0	92.9	✓
N 3100 E 5110		+ 0.4	97.3	✓
N 3100 E 5120		+ 0.6	97.5	✓
N 3110 E 5120		5.4	91.5	✓
N 3120 E 5120		9.9	87.0	✓
N 3130 E 5120		14.0	682.9	✓ ✓

W. H. S.

		696.90		
N 3120 E 5210			10.5	686.4 ✓ ✓
N. 3110 E 5210			5.1	91.8 ✓ ✓
N 3100 E 5210			0.1	96.8 ✓ ✓
N. 3100 E 5220			1.0	95.9 ✓ ✓
N. 3110 E 5220			5.1	91.8 ✓ ✓
N. 3120 E 5220			10.3	86.6 ✓ ✓
N 3120 E 5230			11.4	85.5 ✓ ✓
N. 3110 E 5230			5.0	91.9 ✓ ✓
N. 3100 E 5230			1.0	95.9 ✓ ✓
N 3100 E 5240			2.0	94.9 ✓ ✓
N 3110 E 5240			6.2	90.7 ✓ ✓
N 3120 E 5240			12.3	84.6 ✓ ✓
N 3120 E 5250			13.5	83.4 ✓ ✓
N 3110 E 5250			7.1	89.8 ✓ ✓
N 3100 E 5250			3.2	93.7 ✓ ✓
N 3100 E 5260			5.0	91.9 ✓ ✓
N. 3110 E 5260			9.5	87.4 ✓ ✓
N 3120 E 5260			14.1	82.8 ✓ ✓
T.P.	1.04	685.89	12.05	684.85
N 3130 E 5300			4.4	81.5 ✓ ✓
N 3140 E 5300			6.6	79.3 ✓ ✓
N 3150 E 5300			7.4	78.5 ✓ ✓
N. 3160 E 5300			9.30	676.59 ✓ Hub
N 3170 E 5300			7.3	78.6 ✓ ✓ ✓

W.N.S.

		696.90		
N 3120 E 5210			10.5	686.4 ✓ ✓
N. 3110 E 5210			5.1	91.8 ✓ ✓
N 3100 E 5210			0.1	96.8 ✓ ✓
N. 3100 E 5220			1.0	95.9 ✓ ✓
N. 3110 E 5220			5.1	91.8 ✓ ✓
N. 3120 E 5220			10.3	86.6 ✓ ✓
N 3120 E 5230			11.4	85.5 ✓ ✓
N. 3110 E 5230			5.0	91.9 ✓ ✓
N. 3100 E 5230			1.0	95.9 ✓ ✓
N 3100 E 5240			2.0	94.9 ✓ ✓
N 3110 E 5240			6.2	90.7 ✓ ✓
N 3120 E 5240			12.3	84.6 ✓ ✓
N 3120 E 5250			13.5	83.4 ✓ ✓
N 3110 E 5250			7.1	89.8 ✓ ✓
N 3100 E 5250			3.2	93.7 ✓ ✓
N 3100 E 5260			5.0	91.9 ✓ ✓
N. 3110 E 5260			9.5	87.4 ✓ ✓
N 3120 E 5260			14.1	82.8 ✓ ✓
T.P.	1.04	685.89	12.05	684.85
N 3130 E 5300			4.4	81.5 ✓ ✓
N 3140 E 5300			6.6	79.3 ✓ ✓
N 3150 E 5300			7.4	78.5 ✓ ✓
N. 3160 E 5300			9.30	676.59 ✓ Hub
N 3170 E 5300			7.3	78.6 ✓ ✓ ✓

W.N.S.

685.89

N 3130 E 5290	9.2	676.7	✓	✓
N 3140 E 5290	10.5	75.4	✓	
N 3150 E 5290	12.0	73.9	✓	
N 3130 E 5280	12.1	73.8	✓	
N 3140 E 5270	14.8	71.1	✓	
N 3130 E 5270	9.5	76.4	✓	
N 3130 E 5260	8.6	77.3	✓	
N 3140 E 5260	13.3	72.6	✓	
N 3130 E 5250	7.5	78.4	✓	
N 3140 E 5250	12.1	73.8	✓	
N 3130 E 5240	6.9	79.0	✓	
N 3140 E 5240	10.8	75.1	✓	
N. 3130 E 5230	5.3	80.6	✓	
N 3140 E 5230	10.1	75.8	✓	
N 3130 E 5220	5.1	80.8	✓	
N 3140 E 5220	9.9	76.0	✓	
N 3130 E 5210	4.6	81.3	✓	
N 3140 E 5210	9.0	76.9	✓	
N 3130 E 5200	4.5	81.4	✓	
N 3140 E 5200	9.5	76.4	✓	
N. 3130 E. 5190	4.3	81.6	✓	
N 3140 E 5190	9.9	76.0	✓	
N. 3140 E 5180	9.4	76.5	✓	
N 3130 E 5180	4.3	81.6	✓	✓

W.H.S.

685.89

N 3140 E 5170	5.3	680.6	✓	✓
N 3130 E 5170	5.5	80.4	✓	
N 3130 E 5160	5.7	80.2	✓	
N 3140 E 5160	10.0	75.9	✓	
N. 3140 E 5150	10.0	75.9	✓	
N 3130 E 5150	5.3	80.6	✓	
N 3130 E 5140	4.9	81.0	✓	
N 3140 E 5140	9.9	76.0	✓	
N 3140 E 5130	9.3	76.6	✓	
N 3130 E 5130	4.2	81.7	✓	
N 3140 E 5120	8.7	77.2	✓	
N 3140 E 5110	7.4	78.5	✓	
N 3140 E 5100	7.0	78.9	✓	
N. 3140 E 5090	6.0	79.9	✓	
N 3150 E 5090	10.5	75.4	✓	
N 3150 E 5080	10.1	75.8	✓	
N 3140 E 5080	5.8	80.1	✓	
N 3140 E 5070	5.0	80.9	✓	
N 3150 E 5070	8.2	77.7	✓	
N 3150 E 5060	7.4	78.5	✓	✓
N 3140 E 5060	3.1	82.8	✓	
N. 3150 E. 5050	7.2	78.7	✓	
N. 3150 E. 5040	7.7	78.2	✓	
N 3150 E 5030	6.4	679.5	✓	✓

W.H.S.

		685.89			
N 3150 E 6020			6.0	679.9 ✓	✓ ✓
N 3160 E 5020			10.5	75.4 ✓	✓
N 3160 E 5030			12.5	73.4 ✓	✓
N 3160 E 5040			12.4	73.5 ✓	✓
N 3160 E 5050			11.7	74.2 ✓	✓
N 3160 E 5060			12.9	73.0 ✓	✓
N 3160 E 5010			9.1	76.8 ✓	✓
N 3150 E 5010			4.7	81.2 ✓	✓
N 3150 E 5000			2.7	83.2 ✓	✓
N 3160 E 5000			8.4	77.5 ✓	✓ ✓
	8.43	685.85	8.43	677.46	677.42 Hub
N 3160 E 4990			7.1	78.8 ✓	✓ ✓
N 3170 E 5000			7.7	78.2 ✓	✓
N 3170 E 4990			9.9	76.0 ✓	✓
N 3150 E 4990			1.5	84.4 ✓	✓
N 3160 E 4980			4.2	81.7 ✓	✓
T.P.	13.00	698.06	0.79	685.06	
N 3130 E 5020			7.1	91.0 ✓	✓
N 3140 E 5020			14.6	83.5 ✓	✓
N 3140 E 5010			9.9	88.2 ✓	✓
N 3130 E 5010			2.8	95.3 ✓	✓
N 3130 E 5000			1.3	96.8 ✓	✓
N 3140 E 5000			9.1	89.0 ✓	✓
N 3140 E 4990			9.8	88.3 ✓	✓
N 3130 E 4990			4.6	693.5 ✓	✓ N.H.S.

698.06

N 3140 E 4980	7.6	690.5	✓	✓	
N 3150 E 4980	10.8	87.3	✓	✓	
N 3140 E 4970	5.0	93.1	✓	✓	
N 3150 E 4970	8.9	89.2	✓	✓	
N 3140 E 4960	1.8	96.3	✓	✓	
N 3150 E 4960	6.3	91.8	✓	✓	
N 3160 E 4960	12.0	86.1	✓		
N 3160 E 4970	13.7	84.4	✓		
N 3160 E 4950	10.7	87.4	✓		
N 3150 E 4950	3.3	94.8	✓		
N 3160 E 4940	7.8	90.3	✓		
N 3170 E 4940	13.8	84.3	✓		
N 3160 E 4930	4.7	93.4	✓		
N 3170 E 4930	12.9	85.2	✓		
3170 4920	11.1	87.0	✓		
N 3160 E 4920	5.1	93.0	✓		
N 3160 N 4910	2.2	95.9	✓		
N 3170 E 4910	8.7	89.4	✓		
N 3170 E 4900	5.1	93.0	✓		
N 3160 E 4900	0.3	97.8	✓		
N 3180 E 4900	8.2	89.9	✓		
N 3180 E 4890	8.6	89.5	✓		
N 3170 E 4890	5.5	92.6	✓		
N 3170 E 4880	4.5	93.6	✓		
N 3180 E 4880	8.1	690.0	✓	✓	W.H.S. ✓

		698.06		
N 3180 E. 4870			8.0	690.1 ✓ ✓ ✓
N. 3170 E 4870			4.0	94.1 ✓ ✓
N. 3160 E. 4860			+1.8	99.9 ✓ ✓
N 3170 E 4860			4.8	93.3 ✓ ✓
N 3180 E 4860			8.9	89.2 ✓ ✓
N 3190 E 4860			11.1	87.0 ✓ ✓
N 3190 E 4870			11.1	87.0 ✓ ✓
N 3190 E 4880			12.3	85.8 ✓ ✓
N 3190 E 4850			12.6	85.5 ✓ ✓
N 3180 E 4850			8.1	90.0 ✓ ✓
N 3170 E 4850			3.5	94.6 ✓ ✓
N 3160 E 4850			+1.1	99.2 ✓ ✓
T. P.	2.36	696.08	4.34	693.72
N 3190 E 4840			7.5	88.6 ✓ ✓
N 3180 E 4840			7.2	88.9 ✓ ✓
N 3170 E 4840			2.4	93.7 ✓ ✓
N 3160 E 4840			+1.9	98.0 ✓ ✓
N 3160 E 4830			+1.3	97.4 ✓ ✓
N 3170 E 4830			2.6	93.5 ✓ ✓
N 3180 E 4830			8.1	88.0 ✓ ✓
N 3190 E 4830			10.2	85.9 ✓ ✓
N 3190 E 4820			13.1	83.0 ✓ ✓
N 3180 E 4820			10.1	86.0 ✓ ✓
N 3170 E 4820			2.9	93.2 ✓ ✓
N 3160 E 4820			0.4	695.7 ✓ ✓ W.H.S. ✓

69608

N 3160 E 4810			0.7	695.4 ✓	✓ ✓
N 3170 E 4810			5.1	91.0 ✓	✓
N 3180 E 4810			11.6	84.5 ✓	✓
N 3180 E 4800			12.1	84.0 ✓	✓
N 3170 E 4800			7.4	88.7 ✓	✓
N 3160 E 4800			2.3	93.8 ✓	✓
N 3160 E 4790			2.0	94.1 ✓	✓
N 3170 E 4790			8.7	87.4 ✓	✓
N 3180 E 4790			13.9	82.2 ✓	✓
N 3180 E 4780			12.9	83.2 ✓	✓
N 3170 E 4780			6.3	89.8 ✓	✓
N 3160 E 4780			0.9	95.2 ✓	✓
N 3160 E 4770			1.5	94.6 ✓	✓
N 3170 E 4770			7.2	88.9 ✓	✓
N 3160 E 4760			3.31	692.77 ✓	Hub
N 3170 E 4760			7.9	88.2 ✓	✓
N 3180 E 4760			14.2	81.9 ✓	✓
N 3180 E 4770			14.2	81.9 ✓	✓
T.P.	1.26	686.43	10.91	685.17	
3180 4750			5.9	80.5 ✓	✓
3170 4750			1.0	85.4 ✓	✓
3170 4740			4.1	82.3 ✓	✓
3180 4740			7.5	78.9 ✓	✓
3180 4730			11.2	75.2 ✓	✓
3170 4730			7.0	679.4 ✓	W.H.S. ✓

		686.43				
N 3170 E 4720			10.8	675.6 ✓	✓	✓
T.P.	6.20	680.07	12.56	673.87		
N 3180 E 4720			9.0	71.1 ✓	✓	
N 3190 E 4720			13.7	66.4 ✓	✓	
N 3180 E 4710			12.2	67.9 ✓	✓	
N 3170 E 4710			8.1	72.0 ✓	✓	
N 3170 E 4700			10.7	69.4 ✓	✓	
N 3180 E 4700			14.8	65.3 ✓	✓	
N 3180 E 4690			13.4	66.7 ✓	✓	
N 3170 E 4690			10.8	69.3 ✓	✓	
N 3170 E 4680			10.8	69.3 ✓	✓	
N 3180 E 4680			13.2	66.9 ✓	✓	
N 3180 E 4670			12.5	67.6 ✓	✓	
N 3170 E 4670			11.3	68.8 ✓	✓	
N 3170 E 4660			8.2	71.9 ✓	✓	
N 3180 E 4660			8.9	71.2 ✓	✓	
N 3180 E 4650			3.7	76.4 ✓	✓	
N 3190 E 4650			7.9	72.2 ✓	✓	
N 3200 E 4650			10.7	69.4 ✓	✓	
N 3190 E 4730			9.4	70.7 ✓	✓	
N 3190 E 4740			5.6	74.5 ✓	✓	
N 3200 E 4740			12.5	67.6 ✓	✓	
N 3200 E 4750			9.1	71.0 ✓	✓	
N 3190 E 4750			2.6	77.5 ✓	✓	
N 3190 E 4760			0.8	679.3 ✓	✓ W.H.S.	✓

680.07

N 3200 E 4760	5.6	674.5 ✓ ✓
N 3200 E 4770	6.7	73.4 ✓
N 3190 E 4770	0.1	80.0 ✓
N 3190 E 4780	1.0	79.1 ✓
N 3200 E 4780	7.8	72.3 ✓
N 3210 E 4780	12.6	67.5 ✓
N 3190 E 4790	1.4	78.7 ✓
N 3200 E 4790	5.1	75.0 ✓
N 3210 E 4790	6.7	73.4 ✓
N 3210 E 4800	7.9	72.2 ✓
N 3200 E 4800	4.5	75.6 ✓
N 3190 E 4800	1.0	79.1 ✓
N 3190 E 4810	+ 1.4	81.5 ✓
N 3200 E 4810	2.8	77.3 ✓
N 3210 E 4810	7.1	73.0 ✓
N 3220 E 4810	11.1	69.0 ✓
N 3220 E 4800	13.1	67.0 ✓
N 3220 E 4820	9.0	71.1 ✓
N 3210 E 4820	6.8	73.3 ✓
N 3200 E 4820	2.2	77.9 ✓
N 3200 E 4830	0.1	80.0 ✓
N 3210 E 4830	4.1	76.0 ✓
N 3220 E 4830	6.7	73.4 ✓
N 3220 E 4840	8.1	672.0 ✓ ✓

W.H.S.

		680.07			
N 3210 E 4840			2.5	677.6 ✓	✓
N 3200 E 4840			+1.4	81.5 ✓	✓
N 3200 E 4850			+1.5	81.6 ✓	✓
N 3210 E 4850			1.6	78.5 ✓	✓
N 3220 E 4850			8.2	71.9 ✓	✓
N 3220 E 4860			8.9	71.2 ✓	✓
N 3210 E 4860			3.4	76.7 ✓	✓
T. P.	5.63	684.67	1.03	679.04	
N 3200 E 4860			2.9	81.8 ✓	✓
N 3200 E 4870			2.4	82.3 ✓	✓
N 3210 E 4870			8.7	76.0 ✓	✓
N 3210 E 4880			10.8	73.9 ✓	✓
N 3200 E 4880			5.6	79.1 ✓	✓
N 3200 E 4890			5.8	78.9 ✓	✓
N 3190 E 4890			1.5	83.2 ✓	✓
N 3210 E 4890			14.4	70.3 ✓	✓
N 3200 E 4900			10.1	74.6 ✓	✓
N 3190 E 4900			4.2	80.5 ✓	✓
N 3200 E 4910			9.4	75.3 ✓	✓
N 3190 E 4910			5.1	79.6 ✓	✓
N 3180 E 4910			0.5	84.2 ✓	✓
N 3180 E 4920			3.3	81.4 ✓	✓
N 3190 E 4920			6.9	77.8 ✓	✓
N 3200 E 4920			11.6	73.1 ✓	✓
N 3200 E 4930			13.9	670.8 ✓ W.H.S.	✓

		684.67			
N 3190 E 4930			8.8	675.9	✓
N 3180 E 4930			5.4	79.3	✓
N 3180 E 4940			5.7	79.0	✓
N 3190 E 4940			10.9	73.8	✓
N 3180 E 4950			6.2	78.5	✓
N 3190 E 4950			11.7	73.0	✓
N 3170 E 4950			2.3	82.4	✓
N 3170 E 4960			2,4	82.3	✓
N 3180 E 4960			11.2	73.5	✓
N 3160 E 4970			0.4	84.3	✓
N 3170 E 4970			6.1	78.6	✓
N 3180 E 4970			11.7	73.0	✓
N 3180 E 4980			11.9	72.8	✓
N 3170 E 4980			7.5	77.2	✓
N 3180 E 4990			13.2	71.5	✓
			7.26	677.41	677.42 Hub
T.P.	0.83	674.95	10.55	674.12	
N 3180 E 5000			5.0	70.0	✓
N 3190 E 5000			10.0	65.0	✓
N 3190 E 4990			9.6	65.4	✓
N 3190 E 4980			6.6	68.4	✓
N 3190 E 4970			6.6	68.4	✓
N 3190 E 4960			5.4	69.6	✓
N 3190 E 5010			10.7	64.3	✓
N 3180 E 5010			5.7	669.3	✓ W.H.S.

674.95

N 3170 E 5010	2.7	672.3
N 3170 E 5020	3.5	671.5
N 3180 E 5020	7.4	67.6
N 3190 E 5020	12.5	62.5
N 3190 E 5030	13.9	61.1
N 3180 E 5030	9.2	65.8
N 3170 E 5030	4.8	70.5
N 3170 E 5040	5.2	69.8
N 3180 E 5040	9.0	66.0
N 3190 E 5040	14.9	60.1
N 3180 E 5050	10.4	~~64.6~~ 63.6
N 3170 E 5050	5.8	69.2
N 3170 E 5060	6.2	68.8
N 3180 E 5060	11.2	63.8
N 3180 E 5070	13.0	62.0
N 3170 E 5070	7.2	67.8
N 3160 E 5070	3.3	71.7
N 3160 E 5080	3.9	71.1
N 3170 E 5080	9.0	66.0
N 3180 E 5080	13.4	61.6
N 3160 E 5090	6.5	69.5
N 3170 E 5090	11.2	63.8
N 3170 E 5100	11.6	63.4
N 3160 E 5100	7.5	67.5
N 3150 E 5100	2.0	673.0 W.H.S.

674.95

N 3150 E 5110	2.0	673.0 ✓ ✓ ✓
N 3160 E 5110	7.2	67.8 ✓ ✓
N 3170 E 5110	11.5	63.5 ✓ ✓
N 3170 E 5120	12.1	62.9 ✓ ✓
N 3160 E 5120	7.4	67.6 ✓ ✓
N 3150 E 5120	2.6	72.4 ✓ ✓
N 3150 E 5130	3.4	71.6 ✓ ✓
N 3160 E 5130	7.5	67.5 ✓ ✓
N 3170 E 5130	11.3	63.7 ✓ ✓
N 3170 E 5140	11.6	63.4 ✓ ✓
N 3160 E 5140	7.6	67.4 ✓ ✓
N 3150 E 5140	3.6	71.4 ✓ ✓
N 3150 E 5150	4.1	70.9 ✓ ✓
N 3160 E 5150	8.7	66.3 ✓ ✓
N 3170 E 5150	12.8	62.2 ✓ ✓
N 3170 E 5160	12.8	62.2 ✓ ✓
N 3160 E 5160	9.4	65.6 ✓ ✓
N 3150 E 5160	4.0	71.0 ✓ ✓
N 3150 E 5170	3.8	71.2 ✓ ✓
N 3160 E 5170	9.4	65.6 ✓ ✓
N 3170 E 5170	14.0	61.0 ✓ ✓
N 3170 E 5180	13.5	61.5 ✓ ✓
N 3160 E 5180	8.7	66.3 ✓ ✓
N 3150 E 5180	2.4	672.6 ✓ ✓ ✓
N E		W. H.S.

674.95

N 3150 E 5190	2.6	672.4 ✓	✓ ✓
N 3160 E 5190	8.2	66.8 ✓	✓
N 3170 E 5190	13.0	62.0 ✓	✓
N. 3170 E 5200	12.4	62.6 ✓	✓
N 3160 E 5200	7.4	67.6 ✓	✓
N 3150 E 5200	3.5	71.5 ✓	✓
N 3150 E 5210	3.3	71.7 ✓	✓
N 3160 E 5210	7.5	67.5 ✓	✓
N 3170 E 5210	11.7	63.3 ✓	✓
N 3170 E 5220	10.6	64.4 ✓	✓
N 3160 E 5220	7.2	67.8 ✓	✓
N 3150 E 5220	3.8	71.2 ✓	✓
N 3150 E 5230	4.2	70.8 ✓	✓
N 3160 E 5230	7.7	67.3 ✓	✓
N 3170 E 5230	11.6	63.4 ✓	✓
N 3160 E 5240	10.5	64.5 ✓	✓
N 3150 E 5240	5.7	69.3 ✓	✓
N 3160 E 5250	12.9	62.1 ✓	✓
N 3150 E 5250	7.9	67.1 ✓	✓
N 3150 E 5260	9.2	65.8 ✓	✓
N 3160 E 5260	13.8	61.2 ✓	✓
N 3150 E 5270	9.8	65.2 ✓	✓
N 3160 E 5270	10.4	64.6 ✓	✓
N 3170 E 5270	11.5	63.5 ✓	✓
N 3180 E 5270,	12.7	662.3 ✓	✓ W.H.S. ✓

674.95

N 3200 E 5280	11.9	663.1	✓ ✓ ✓
N 3190 E 5280	11.1	63.9	✓ ✓
N 3180 E 5280	10.1	64.9	✓ ✓
N 3170 E 5280	8.0	67.0	✓ ✓
N 3160 E 5280	6.7	68.3	✓ ✓
N 3150 E 5280	5.7	69.3	✓ ✓
N 3140 E 5280	4.5	70.5	✓ ✓
N 3160 E 5290	2.9	72.1	✓ ✓
N 3170 E 5290	4.4	70.6	✓ ✓
N 3180 E 5290	7.0	68.0	✓ ✓
N 3190 E 5290	7.7	67.3	✓ ✓
N 3200 E 5290	10.4	64.6	✓ ✓
N 3210 E 5290	13.2	61.8	✓ ✓
N 3210 E 5300	11.5	63.5	✓ ✓
N 3200 E 5300	8.5	66.5	✓ ✓
N 3190 E 5300	4.4	70.6 ~~71.6~~	✓ ✓
N 3180 E 5300	3.31	671.64	✓ Hub
N 3190 E 5310	2.3	72.7	✓ ✓
N 3200 E 5310	5.0	70.0	✓ ✓
N 3210 E 5310	8.8	66.2	✓ ✓
N 3220 E 5310	10.6	64.4	✓ ✓
N 3230 E 5310	13.4	61.6	✓ ✓
N 3240 E 5320	14.8	60.2	✓ ✓
N 3230 E 5320	12.2	62.8	✓ ✓
N 3220 E 5320	9.2	665.8	✓ W.H.S. ✓

		674.95			
N 3210 E 5320			4.4	670.6 ✓	✓ ✓
N 3200 E 5320			0.5	74.5 ✓	✓ ✓
					N3180 E5300
	6.62	678.26		671.64	Hub
N 3200 E 5330			2.9	75.4 ✓	✓ ✓
N 3210 E 5330			4.3	74.0 ✓	✓
N 3200 E 5340			2.0	76.3 ✓	✓
N 3210 E 5340			2.8	75.5 ✓	✓
N 3200 E 5350			0.6	77.7 ✓	✓
N 3210 E 5350			2.5	75.8 ✓	✓
N 3208 E 5360			0.52	677.74 ✓	✓ Hub
N 3210 E 5360			2.0	76.3 ✓	✓
N 3220 E 5360			4.6	73.7 ✓	✓
N 3230 E 5360			7.1	71.2 ✓	✓
N 3220 E 5350			6.0	72.3 ✓	✓
N 3230 E 5350			8.3	70.0 ✓	✓
N 3240 E 5350			12.4	65.9 ✓	✓
N 3220 E 5340			5.3	73.0 ✓	✓
N 3230 E 5340			11.5	66.8 ✓	✓
N 3220 E 5330			7.2	71.1 ✓	✓
N 3230 E 5330			13.6	64.7 ✓	✓
N E T.P.	1.81	667.25	12.82	665.44	
N 3240 E 5330			5.9	61.3 ✓	✓ ✓
N 3250 E 5320			11.1	56.1 ✓	✓ ✓
N 3250 E 5330			9.2	658.0 ✓	✓ ✓ W.H.S.

		667.25				
N 3260 E 5340			9.6	657.~~7~~ 6	✓	✓
N 3250 E 5340			6.2	61.0 ✓	✓	✓
N 3240 E 5340			3.9	63.2 ✓	✓	✓
N 3250 E 5350			8.0	59.2 ✓	✓	✓
N 3260 E 5350			10.1	57.1 ✓	✓	✓
N N3260 E 5360			8.3	~~58.0~~ 58.9	✓	✓
N 3250 E 5360			7.0	60.2 ✓	✓	✓
N 3250 E 5370			4.3	62.9 ✓	✓	✓
N 3260 E 5370			8.5	58.7 ✓	✓	✓
N 3270 E 5370			11.4	55.8 ✓	✓	✓
N 3270 E 5380			12.1	55.1 ✓	✓	✓
N 3260 E 5380			8.6	58.6 ✓	✓	✓
N 3260 E 5390			8.0	59.2 ✓	✓	✓
N 3270 E 5390			12.5	54.7 ✓	✓	✓
N 3270 E 5400			12.1	55.1 ✓	✓	✓
N 3260 E 5400			8.5	58.7 ✓	✓	✓
N 3270 E 5410			12.0	55.2 ✓	✓	✓
B.M. T.P.	0.54	659.06	8.75	658.50	#5-8 658.52	
N 3280 E 5360			7.1	52.0 ✓	✓	✓
N 3270 E 5360			4.1	55.0 ✓	✓	✓
N 3280 E 5350			11.2	47.9 ✓	✓	✓
N 3270 E 5350			6.5	52.6 ✓	✓	✓
N 3280 E 5340			11.5	47.6 ✓	✓	✓
N 3270 E 5340			8.1	51.0 ✓	✓	✓
N 3280 E 5330			13.0	646.1 ✓	W.H.S. ✓	

659.06

N 3270 E 5330	9.9	649.2	✓	✓
N 3260 E 5330	4.6	54.5	✓	✓
N 3260 E 5320	7.3	51.8	✓	✓
N 3270 E 5320	11.1	48.0	✓	✓
N 3280 E 5320	14.7	44.4	✓	✓
N 3270 E 5310	13.7	45.4	✓	✓
N 3260 E 5310	8.9	50.2	✓	✓
N 3250 E 5310	4.8	54.3	✓	✓
N 3240 E 5310	1.1	58.0	✓	✓
N 3260 E 5300	11.2	47.9	✓	✓
N 3250 E 5300	7.6	51.5	✓	✓
N 3240 E 5300	4.2	54.9	✓	✓
N 3230 E 5300	1.1	58.0	✓	✓
N 3220 E 5300	+1.8	60.9	✓	✓
N 3229 E 5290	0.9	58.2	✓	✓
N 3230 E 5290	3.2	55.9	✓	✓
N 3240 E 5290	7.6	51.5	✓	✓
N 3250 E 5290	10.3	48.8	✓	✓
N 3260 E 5290	13.8	45.3	✓	✓
N 3250 E 5280	12.1	47.0	✓	✓
N 3240 E 5280	10.5	48.6	✓	✓
N 3230 E 5280	5.4	53.7	✓	✓
N 3220 E 5280	2.5	56.6	✓	✓
N 3210 E 5280	+1.8	60.9	✓	✓
N 3190 E 5270	+1.5	660.6	W.H.S.	✓

Converse Chief
Elliott Notes
Simpson Tape
Louden Rod

Feb 4-32

		659.06				
N 3200 E 5270			1.5	657.6	✓	✓
N 3210 E 5270			2.0	57.1	✓	✓
N 3220 E 5270			6.0	53.1	✓	✓
N 3230 E 5270			8.3	50.8	✓	✓
N 3240 E 5270			13.1	46.0	✓	✓
B.M.	11.58	661.58	9.06	650.00	650.00	
N 3220 E 5260			12.7	48.9	✓	✓
N 3210 E 5260			10.4	51.2	✓	✓
N 3200 E 5260			9.0	52.6	✓	✓
N 3190 E 5260			6.3	55.3	✓	✓
N 3180 E 5260			2.9	58.7	✓	✓
N 3170 E 5260			2.5	59.1	✓	✓
N 3170 E 5250			5.7	55.9	✓	✓
N 3180 E 5250			9.7	51.9	✓	✓
N 3190 E 5250			13.1	48.5	✓	✓
N 3190 E 5240			12.0	49.6	✓	✓
N 3180 E 5240			7.6	54.0	✓	✓
N 3170 E 5240			2.8	58.8	✓	✓
N 3180 E 5230			4.7	56.9	✓	✓
N 3190 E 5230			9.8	51.8	✓	✓
N 3200 E 5230			13.9	47.7	✓	✓
N 3200 E 5220			12.1	49.5	✓	✓
N 3190 E 5220			7.2	54.4	✓	✓
N 3180 E 5220			2.0	59.6	✓	✓
N 3180 E 5210			1.7	659.9	✓ W.H.S.	✓

Same Party

Feb 5- 1932

661.58

N 3190 E 5210	6.4	655.2 ✓ ✓ ✓
N 3200 E 5210	11.4	50.2 ✓ ✓
N 3200 E 5200	10.9	50.7 ✓ ✓
N 3190 E 5200	6.6	55.0 ✓ ✓
N 3180 E 5200	2.1	59.5 ✓ ✓
N 3180 E 5190	3.2	58.4 ✓ ✓
N 3190 E 5190	7.8	53.8 ✓ ✓
N 3200 E 5190	11.3	50.3 ✓ ✓
N 3200 E 5180	12.5	49.1 ✓ ✓
N 3190 E 5180	8.2	53.4 ✓ ✓
N 3180 E 5180	4.3	57.3 ✓ ✓
N 3180 E 5170	3.6	58.0 ✓ ✓
N 3190 E 5170	8.5	53.1 ✓ ✓
N 3200 E 5170	12.7	48.9 ✓ ✓
N 3200 E 5160	12.4	49.2 ✓ ✓
N 3190 E 5160	8.0	53.6 ✓ ✓
N 3180 E 5160	2.1	59.5 ✓ ✓
N 3180 E 5150	3.7	57.9 ✓ ✓
N 3190 E 5150	8.6	53.0 ✓ ✓
N 3200 E 5150	12.2	49.4 ✓ ✓
N 3200 E 5140	11.2	50.4 ✓ ✓
N 3190 E 5140	8.0	53.6 ✓ ✓
N 3180 E 5140	2.5	59.1 ✓ ✓
N 3180 E 5130	2.5	59.1 ✓ ✓
N 3190 E 5130	8.2	653.4 ✓ W. H. S. ✓

661.58

N 3200 E 5130	12.1	649.5	✓ ✓ ✓
N 3200 E 5120	12.7	48.9	✓ ✓
N 3190 E 5120	7.5	54.1	✓ ✓
N 3180 E 5120	3.3	58.3	✓ ✓
N 3180 E 5110	2.8	58.8	✓ ✓
N 3190 E 5110	6.6	55.0	✓ ✓
N 3200 E 5110	11.9	49.7	✓ ✓
N 3200 E 5100	10.1	51.5	✓ ✓
N 3190 E 5100	5.2	56.4	✓ ✓
N 3180 E 5100	2.2	59.4	✓ ✓
N 3180 E 5090	1.3	60.3	✓ ✓
N 3190 E 5090	4.2	57.4	✓ ✓
N 3200 E 5090	8.5	53.1	✓ ✓
N 3210 E 5090	12.2	49.4	✓ ✓
N 3210 E 5080	11.6	50.0	✓ ✓
N 3200 E 5080	8.1	53.5	✓ ✓
N 3190 E 5080	3.6	58.0	✓ ✓
N 3180 E 5080	0.0	61.6	✓ ✓
N 3190 E 5070	2.5	59.1	✓ ✓
N 3200 E 5070	7.2	54.4	✓ ✓
N 3210 E 5070	11.8	49.8	✓ ✓
N 3210 E 5060	12.3	49.3	✓ ✓
N 3200 E 5060	7.9	53.7	✓ ✓
N 3190 E 5060	2.3	59.3	✓ ✓
N 3190 E 5050	2.5	659.1	✓ ✓ W.H.S. ✓

			661.58			
N 3200 E 5050				6.7	654.9 ✓	✓
N 3210 E 5050				11.6	50.0 ✓	✓
N 3210 E 5040				9.2	52.4 ✓	✓
N 3200 E 5040				5.6	56.0 ✓	✓
N 3200 E 5030				5.2	56.4 ✓	✓
N 3210 E 5030				7.6	54.0 ✓	✓
N 3220 E 5030				12.7	48.9 ✓	✓
N 3220 E 5020				12.1	49.5 ✓	✓
N 3210 E 5020				6.7	54.9 ✓	✓
N 3200 E 5020				3.8	57.8 ✓	✓
N 3200 E 5010				4.1	57.5 ✓	✓
N 3210 E 5010				7.3	54.3 ✓	✓
N 3220 E 5010				13.2	48.4 ✓	✓
N 3220 E 5000	T.P.	1.43	651.045	11.99	649.59	649.615 Hub
N 3210 E 5000				+ 2.6	653.6 ✓	✓
N 3200 E 5000				+ 7.6	658.6 ✓	✓
N 3230 E 5000				3.4	47.6 ✓	✓
N 3240 E 5000				10.9	40.1 ✓	✓
N 3240 E 5010				11.3	39.7 ✓	✓
N 3230 E 5010				4.4	46.6 ✓	✓
N 3220 E 5010				2.1	48.9 ✓	✓
N 3230 E 5020				8.9	42.1 ✓	✓
N 3240 E 5020				13.2	37.8 ✓	✓
N 3240 E 5030				14.5	36.5 ✓	✓
N 3230 E 5030				8.2	642.8 ✓	W.H.S. ✓

		651.045			
N E T.P.	1.630	645.595	7.08	643.965	
N 3250 E 5000			10.6	35.0 ✓	✓ ✓
N 3250 E 5010			11.1	34.5 ✓	✓
N 3250 E 5020			12.2	33.4 ✓	✓
N 3250 E 5030			13.2	32.4 ✓	✓
N 3250 E 5040			14.0	31.6 ✓	/
N 3240 E 5040			8.5	37.1 ✓	✓
N 3230 E 5040			4.2	41.4 ✓	✓
N 3220 E 5040			+1.2	46.8 ✓	✓
N 3220 E 5050			0.3	45.3 ✓	✓
N 3230 E 5050			3.5	42.1 ✓	✓
N 3240 E 5050			8.8	36.8 ✓	✓
N 3250 E 5050			13.5	32.1 ✓	✓
N 3250 E 5060			14.4	31.2 ✓	✓
N 3240 E 5060			10.1	35.5 ✓	✓
N 3230 E 5060			4.8	40.8 ✓	✓
N 3220 E 5060			0.6	45.0 ✓	✓
N 3220 E 5070			+0.4	46.0 ✓	✓
N 3230 E 5070			3.1	42.5 ✓	/
N 3240 E 5070			11.2	34.4 ✓	✓
N 3240 E 5080			9.7	35.9 ✓	✓
N 3230 E 5080			4.8	41.6 ✓	✓
N 3220 E 5080			+0.6	46.2 ✓	✓
N 3220 E 5090			0.1	45.5 ✓	✓
N 3230 E 5090			5.9	639.7 ✓	✓ W. H. S. ✓

645.595

N 3240 E 5090	9.3	636.3	
N 3240 E 5100	12.4	33.2	
N 3230 E 5100	8.3	37.3	
N 3220 E 5100	2.8	42.8	
N 3210 E 5100	+0.6	46.2	
N 3210 E 5110	0.3	45.3	
N 3220 E 5110	4.9	40.7	
N 3230 E 5110	10.3	35.3	
N 3240 E 5110	14.7	30.9	
N 3240 E 5120	15.1	30.5	
N 3230 E 5120	10.5	35.1	
N 3220 E 5120	5.8	39.8	
N 3210 E 5120	0.9	44.7	
N 3210 E 5130	+0.1	45.7	
N 3220 E 5130	5.2	40.4	
N 3230 E 5130	9.6	36.0	
N 3240 E 5130	14.1	31.5	
N 3240 E 5140	13.4	32.2	
N 3230 E 5140	9.5	36.1	
N 3220 E 5140	4.0	41.6	
N 3210 E 5140	+0.6	46.2	
N 3210 E 5150	+0.5	46.1	
N 3220 E 5150	2.8	42.8	
N 3230 E 5150	8.1	37.5	
N 3240 E 5150	12.2	633.4	W.H.S.

	645.595		
N 3240 E 5160		11.0	634.6
N 3230 E 5160		7.2	38.4
N 3220 E 5160		3.2	42.4
N 3210 E 5160		0.4	45.2
N 3210 E 5170		0.5	45.1
N 3220 E 5170		3.5	42.1
N 3230 E 5170		6.6	39.0
N 3240 E 5170		11.0	34.6
N 3240 E 5180		10.2	35.4
N 3230 E 5180		6.6	39.0
N 3220 E 5180		2.9	42.7
N 3210 E 5180		0.0	45.6
N 3210 E 5190		+2.0	47.6
N 3220 E 5190		2.6	43.0
N 3230 E 5190		6.6	39.0
N 3240 E 5190		10.5	35.1
N 3240 E 5200		11.1	34.5
N 3230 E 5200		6.7	38.9
N 3220 E 5200		2.9	42.7
N 3210 E 5200		+1.5	47.1
N 3210 E 5210		+0.7	46.3
N 3220 E 5210		3.5	42.1
N 3230 E 5210		7.5	38.1
N 3240 E 5210		12.0	33.6
N 3240 E 5220		13.6	632.0 W.N.S.

645.595

N 3230 E 5220	9.0	636.6	H.H.S.
N 3220 E 5220	4.6	41.0	
N 3210 E 5220	0.2	45.4	
N 3210 E 5230	2.2	43.4	
N 3220 E 5230	6.1	39.5	
N 3230 E 5230	10.9	34.7	
N 3240 E 5230	15.9	29.7	
N 3240 E 5240	13.2	32.4	
N 3230 E 5240	12.7	32.9	
N 3220 E 5240	7.6	38.0	
N 3210 E 5240	3.8	41.8	
N 3200 E 5240	+0.3	45.9	
N 3200 E 5250	+0.5	46.1	
N 3210 E 5250	1.3	44.3	
N 3220 E 5250	1.9	43.7	
N 3230 E 5250	6.0	39.6	
N 3240 E 5250	7.3	38.3	
N 3250 E 5250	9.0	36.6	
N 3260 E 5250	11.6	34.0	
N 3270 E 5250	13.5	32.1	
N 3280 E 5260	14.2	31.4	
N 3270 E 5260	11.6	34.0	
N 3260 E 5260	7.9	37.7	
N 3250 E 5260	6.3	39.3	
N 3240 E 5260	3.5	642.1	

645.595

N 3230 E 5260		0.8	644.8 ✓	✓	✓
N 3250 E 5270		2.1	43.5 ✓	✓	✓
N 3260 E 5270		5.0	40.6 ✓	✓	✓
N 3270 E 5270		8.5	37.1 ✓	✓	✓
N 3280 E 5270		11.1	34.5 ✓	✓	✓
N 3290 E 5270		13.9	31.7 ✓	✓	✓
N 3300 E 5280		13.2	32.4 ✓	✓	✓
N 3290 E 5280		10.8	34.8 ✓	✓	✓
N 3280 E 5280		9.3	36.3 ✓	✓	✓
N 3270 E 5280		6.3	39.3 ✓	✓	✓
N 3260 E 5280		3.3	42.3 ✓	✓	✓
N 3250 E 5280		+2.2	47.8 ✓	✓	✓
N 3270 E 5290		3.7	41.9 ✓	✓	✓
N 3280 E 5290		7.2	38.4 ✓	✓	✓
N 3290 E 5290		8.9	36.7 ✓	✓	✓
N 3300 E 5290		11.0	34.6 ✓	✓	✓
N 3300 E 5300		11.0	34.6 ✓	✓	✓
N 3290 E 5300		7.9	37.7 ✓	✓	✓
N 3280 E 5300		5.2	40.4 ✓	✓	✓
N 3270 E 5300		1.3	44.3 ✓	✓	✓
N 3280 E 5310		3.6	42.0 ✓	✓	✓
N 3290 E 5310		6.7	38.9 ✓	✓	✓
N 3300 E 5310		9.8	35.8 ✓	✓	✓
N 3310 E 5310		13.8	631.8 ✓	✓	✓

W. H. S.

		645.595					
N 3310 E 5320			12.5	633.1	✓	✓	✓
N 3300 E 5320			9.2	36.4	✓	✓	✓
N 3290 E 5320			4.5	41.1	✓	✓	✓
N 3290 E 5330			3.3	42.3	✓	✓	✓
N 3300 E 5330			7.5	38.1	✓	✓	✓
N 3310 E 5330			12.1	33.5	✓	✓	✓
N 3310 E 5340			11.3	34.3	✓	✓	✓
N 3300 E 5340			5.9	39.7	✓	✓	✓
N 3290 E 5340			4.3	41.3	✓	✓	✓
N 3290 E 5350			1.7	43.9	✓	✓	✓
N 3300 E 5350			5.7	39.9	✓	✓	✓
N 3310 E 5350			9.8	35.8	✓	✓	✓
N 3310 E 5360			9.5	36.1	✓	✓	✓
N 3300 E 5360			5.0	40.6	✓	✓	✓
			12.96	632.63½	Rock		
T.P.	10.84	652.49½	3.94	641.65½			
N 3290 E 5360			7.3	45.2	✓	✓	✓
N 3280 E 5370			2.8	49.7	✓	✓	✓
N 3290 E 5370			5.8	46.7	✓	✓	✓
N 3300 E 5370			11.1	41.4	✓	✓	✓
N 3310 E 5370			15.3	37.2	✓	✓	✓
N 3310 E 5380			14.9	~~21.6~~ 37.6	✓	✓	✓
N 3300 E 5380			9.4	43.1	✓	✓	✓
N 3290 E 5380			5.0	47.5	✓	✓	✓
N 3280 E 5380			2.1	650.4	✓	W.H.S.	✓

		652.49½				
N 3280 E 5390			2.0	650.5	✓	✓
N 3290 E 5390			5.2	47.3	✓	✓
N 3300 E 5390			9.7	42.8	✓	✓
N 3310 E 5390			12.6	39.9	✓	✓
N 3310 E 5400			12.6	39.9	✓	✓
N 3300 E 5400			8.9	43.6	✓	✓
N 3290 E 5400			5.7	46	✓	✓
N 3280 E 5400			0.4	52.1	✓	✓
N 3280 E 5410			0.7	51.8	✓	✓
N 3290 E 5410			5.1	47.4	✓	✓
N 3300 E 5410			8.5	44.0	✓	✓
N 3310 E 5410			10.6	41.9	✓	✓
N 3310 E 5420			8.4	44.1	✓	✓
N 3300 E 5420			6.7	~~46.8~~ 45.8	✓ Hub	✓
N 3290 E 5420			4.2	48.3	✓	✓
N 3280 E 5420			1.46	651.03½	✓ Hub	✓
	0.36	632.99½		632.63½	Page 50 Rock	
N 3310 E 5300			1.9	31.1	✓	✓
N 3310 E 5290			1.9	31.1	✓	✓
N 3310 E 5280			3.1	29.9	✓	✓
N 3300 E 5270			3.9	29.1	✓	✓
N 3310 E 5270			5.8	27.2	✓	✓
N 3310 E 5260			8.3	24.7	✓	✓
N 3300 E 5260			6.4	26.6	✓	✓
N 3290 E 5260			4.2	628.8	✓ W.H.S.	✓

632.99

N 3280 E 5250		4.0	629.0	✓	✓
N 3290 E 5250		6.9	26.1	✓	✓
N 3300 E 5250		9.0	24.0	✓	✓
N 3310 E 5250		9.9	23.1	✓	✓
N 3310 E 5240		13.5	~~18.5~~ 19.5	✓	✓
N 3300 E 5240		11.3	21.7	✓	✓
N 3290 E 5240		9.6	23.4	✓	✓
N 3280 E 5240		7.3	25.7	✓	✓
N 3270 E 5240		5.6	27.4	✓	✓
N 3260 E 5240		4.1	28.9	✓	✓
N 3250 E 5240		2.4	30.6	✓	✓
N 3250 E 5230		5.4	27.6	✓	✓
N 3260 E 5230		7.2	25.8	✓	✓
N 3270 E 5230		9.5	23.5	✓	✓
N 3280 E 5230		10.7	22.3	✓	✓
N 3290 E 5230		11.6	21.4	✓	✓
N 3300 E 5230		13.5	19.5	✓	✓
N 3300 E 5220		14.5	18.5	✓	✓
N 3290 E 5220		14.3	18.7	✓	✓
N 3280 E 5220		13.3	19.7	✓	✓
N 3270 E 5220		11.4	21.6	✓	✓
N 3260 E 5220		8.6	24.4	✓	✓
N 3250 E 5220		4.8	28.2	✓	✓
N 3250 E 5210		3.1	29.9	✓	✓
N 3260 E 5210		7.6	625.4	✓ W.H.S.	✓

632.99

N 3270 E 5210		11.2	621.8 ✓	✓	✓
N 3280 E 5210		14.3	18.7 ✓	✓	✓
N 3280 E 5200		14.2	18.8 ✓	✓	✓
N 3270 E 5200		10.6	22.4 ✓	✓	✓
N 3260 E 5200		5.9	27.1 ✓	✓	✓
N 3250 E 5200		2.4	30.6 ✓	✓	✓
N 3250 E 5190		2.3	30.7 ✓	✓	✓
N 3260 E 5190		5.0	28.0 ✓	W.R.S. 2/9/82	✓
N 3270 E 5190		9.3	23.7 ✓	Rel 2/16/13	✓
N 3280 E 5190		13.8	19.2 ✓	✓	✓
N 3280 E 5180		12.0	21.0 ✓	✓	✓
N 3270 E 5180		7.5	25.5 ✓	✓	✓
N 3260 E 5180		4.9	28.1 ✓	✓	✓
N 3250 E 5180		1.8	31.2 ✓	✓	✓
N 3250 E 5170		1.5	31.5 ✓	✓	✓
N 3260 E 5170		5.2	27.8 ✓	✓	✓
N 3270 E 5170		8.4	24.6 ✓	✓	✓
N 3280 E 5170		12.0	21.0 ✓	✓	✓
N 3280 E 5160		13.5	19.5 ✓	✓	✓
N 3270 E 5160		9.9	23.1 ✓	✓	✓
N 3260 E 5160		7.0	26.0 ✓	✓	✓
N 3250 E 5160		3.1	29.9 ✓	✓	✓
N 3250 E 5150		4.3	28.7 ✓	✓	✓
N 3260 E 5150		7.7	25.3 ✓	✓	✓
N 3270 E 5150		11.1	621.9 ✓	✓	✓

W.R.S.

	632.99				
N 3280 E 5150		13.8	619.2	✓ ✓	✓
N 3280 E 5140		13.6	19.4	✓	✓
N 3270 E 5140		11.0	22.0 ~~32.0~~	✓	✓
N 3260 E 5140		8.3	24.7	✓	✓
N 3250 E 5140		4.9	28.1	✓	✓
N 3250 E 5130		7.1	25.9	✓	✓
N 3260 E 5130		10.1	22.9	✓ ✓	✓
N 3270 E 5130		12.5	20.5	✓ ✓	✓
N 3260 E 5120		10.5	22.5	✓ ✓	✓
N 3250 E 5120		6.7	26.3	✓ ✓	✓
N 3250 E 5110		6.1	26.9	✓ ✓	✓
N 3260 E 5110		11.1	21.9	✓	✓
N 3260 E 5100		9.7	23.3	✓ ✓	✓
N 3250 E 5100		3.7	29.3	✓ ✓	✓
N 3250 E 5090		3.3	29.7	✓ ✓	✓
N 3260 E 5090		8.3	24.7	✓ ✓	✓
N 3270 E 5090		14.0	19.0	✓ ✓	✓
N 3270 E 5080		13.2	19.8	✓ ✓	✓
N 3260 E 5080		8.9	24.1	✓ ✓	✓
N 3250 E 5080		3.7	29.3	✓ ✓	✓
N 3250 E 5070		3.0	30.0	✓ ✓	✓
N 3260 E 5070		6.7	26.3	✓ ✓	✓
N 3270 E 5070		12.2	20.8	✓ ✓	✓
N 3270 E 5060		11.4	21.6 ~~27.6~~	✓	✓
N 3260 E 5060		6.9	626.1	✓ ✓	✓

		632.99½				
N. 3260 E. 5050			6.4	626.6	✓ ✓	✓
N 3270 E 5050			10.3	22.7	✓ ✓	✓
N 3280 E 5050			13.8	19.2	✓ ✓	✓
N 3280 E 5040			12.7	20.3	✓ ✓	✓
N 3270 E 5040			9.3	23.7	✓ ✓	✓
N 3260 E 5040			5.7	27.3	✓ ✓	✓
N 3260 E 5030			5.0	28.0	✓ ✓	✓
N 3270 E 5030			6.8	26.2	✓ ✓	✓
N 3280 E 5030			11.8	21.2	✓ ✓	✓
N 3280 E 5020			11.9	21.1	✓ ✓	✓
N 3270 E 5020			6.5	26.5	✓ ✓	✓
N 3280 E 5010			12.4	20.6	✓ ✓	✓
N 3280 E 5000			11.78	621.21½	✓621.20 Hub	✓
	12.29	633.49				
N 3260 E 5000			2.4	31.1	✓ ✓	✓
N 3260 E 5010			2.8	30.7	✓ ✓	✓
N 3260 E 5020			3.2	30.3	✓	✓
N 3270 E 5010			5.3	28.2	✓ ✓	✓
N 3270 E 5000			7.7	25.8	✓ ✓	✓
	1.40	671.26		669.86	N3180 E5000 Rock	
N 3200 E 4990			11.2	60.1	✓ ✓	✓
N 3200 E 4980			9.8	61.5	✓ ✓	✓
N 3210 E 4980			12.8	58.5	✓ ✓	✓
N 3200 E 4970			7.6	63.7	✓ ✓	✓
N 3210 E 4970			12.7	658.6	✓ ✓	✓

		671.26			
1	N 3210 E 4960				
2			11.4	659.9	✓ ✓ ✓
1	N 3200 E 4960				
2			7.3	64.0	✓ ✓
1	N 3200 E 4950				
2			4.8	66.5	✓ ✓
1	N 3210 E 4950				
2			8.6	62.7	✓ ✓
1	N 3210 E 4940				
2			7.4	63.9	✓ ✓
1	N 3200 E 4940				
2			2.6	68.7	✓ ✓
1	N 3210 E 4930				
2			6.6	64.7	✓ ✓
1	N 3220 E 4930				
2			11.3	60.0	✓ ✓
1	N 3220 E 4920				
2			11.4	59.9	✓ ✓
1	N 3210 E 4920				
2			3.7	67.6	✓ ✓
1	N 3210 E 4910				
2			2.4	68.9	✓ ✓
1	N 3220 E 4910				
2			10.2	61.1	✓ ✓
1	N 3220 E 4900				
2			11.9	59.4	✓ ✓
	N 3210 E 4900				
			4.4	66.9	✓ ✓
1	N 3220 E 4890				
2			10.5	60.8	✓ ✓
1	N 3220 E 4880				
2			6.5	64.8	✓ ✓
1	N 3220 E 4870				
2			3.2	68.1	✓ ✓
1	N 3230 E 4880				
2			14.2	57.1	✓ ✓
1	N 3230 E 4870				
2			9.1	62.2	✓ ✓
	T.P.	1.02	667.55	4.73	666.53
1	N 3230 E 4860				
2			2.5	65.1	✓ ✓
1	N 3240 E 4860				
2			9.5	58.1	✓ ✓
1	N 3240 E 4850				
2			8.2	59.4	✓ ✓
1	N 3250 E 4850				
2			12.1	55.5	✓ ✓
1	N 3230 E 4850				
2			1.0	667.6	✓ ✓ ✓

667.55

N 3230 E 4840		0.0	667.6 ✓ ✓ ✓
N 3240 E 4840		6.8	60.8 ✓ ✓
N 3250 E 4840		12.5	55.1 ✓ ✓
N 3250 E 4830		15.2	52.4 ✓ ✓
N 3240 E 4830		5.3	62.3 ✓ ✓
N 3230 E 4830		1.7	65.9 ✓ ✓
N 3230 E 4820		1.7	65.9 ✓ ✓
N 3240 E 4820		6.1	61.5 ✓ ✓
N 3250 E 4820		15.0	52.6 ✓ ✓
N 3250 E 4810		13.3	54.3 ✓ ✓
N 3240 E 4810		7.6	60.0 ✓ ✓
N 3230 E 4810		1.2	66.4 ✓ ✓
N 3230 E 4800		4.5	63.1 ✓ ✓
N 3240 E 4800	667.6	9.7	57.9 ✓ ✓
N 3240 E 4790		11.2	56.4 ✓ ✓
N 3230 E 4790		7.2	60.4 ✓ ✓
N 3220 E 4790		1.3	66.3 ✓ ✓
N 3220 E 4780		4.9	62.7 ✓ ✓
N 3230 E 4780		9.2	58.4 ✓ ✓
N 3240 E 4780		11.5	56.1 ✓ ✓
N 3240 E 4770		13.9	53.8 ✓ ✓
N 3230 E 4770		11.1	56.5 ✓ ✓
N 3220 E 4770		4.8	62.8 ✓ ✓
N 3210 E 4770		1.7	65.9 ✓ ✓
N 3210 E 4760		2.5	665.1 ✓ ✓ ✓

667.55

N 3220 E 4760		5.3	662.3	✓ ✓
N 3230 E 4760		12.7	54.9	✓
N 3230 E 4750		11.9	55.7	✓
N 3220 E 4750		8.1	59.5	✓
N 3210 E 4750		2.9	64.7	✓
N 3210 E 4740		5.0	62.6	✓
N 3220 E 4740		11.3	56.3	✓
N 3230 E 4740		15.0	52.6	✓
N 3220 E 4730		16.2	51.4	✓ ✓
N 3210 E 4730		7.2	60.4	✓ ✓
N 3200 E 4730		1.2	66.4	✓ ✓
N 3200 E 4720		3.8	63.8	✓
N 3210 E 4720		8.0	59.6	✓ ✓
N 3190 E 4710	667.6	5.8	61.8	✓ ✓
N 3200 E 4710		6.5	61.1	✓ ✓
N 3210 E 4710	Top of The Boulders	10.0	57.6	✓ ✓
N 3190 E 4700		7.1	60.5	✓ ✓
N 3200 E 4700		6.9	60.7	✓ ✓
N 3210 E 4700		13.0	54.6	✓ ✓
N 3190 E 4690		4.7	62.9	✓ ✓
N 3200 E 4690		2.1	65.5	✓ ✓
N 3210 E 4690		10.4	57.2	✓ ✓
N 3190 E 4680		4.3	63.3	✓ ✓
N 3200 E 4680		9.6	58.0	✓ ✓
N 3190 E 4670		1.8	665.8	✓ ✓ ✓

		667.55			
N 3200 E 4670			8.5	659.1 ✓	✓ ✓
N 3210 E 4670			12.3	55.3 ✓	✓
N 3210 E 4680 O.F.			14.8	52.8 ✓	✓
N 3190 E 4660			0.0	67.6 ✓	✓
N 3200 E 4660			3.7	63.9 ✓	✓
N 3210 E 4660			4.2	63.4 ✓	✓
N 3220 E 4660			11.2	56.4 ✓	✓
N 3220 E 4670			14.4	53.2 ✓	✓
N 3220 E 4650			8.6	59.0 ✓	✓
N 3230 E 4650			12.1	55.5 ✓	✓
T.P.	3.89	658.85	12.59	654.96 ✓	
N E T.P. B.M.	9.50	658.87	9.50	649.35 ✓	649.37
N 3240 E 4650			7.8	51.1 ✓	H.U.6
N 3250 E 4650			11.6	47.3 ✓	
N 3250 E 4640			12.4	46.5 ✓	✓
N 3240 E 4660			9.9	49.0 ✓	✓
N 3230 E 4660			6.5	52.4 ✓	✓
N 3250 E 4660			13.6	45.3 ✓	✓
N 3240 E 4670			12.7	46.2 ✓	✓
N 3230 E 4670			7.7	51.2 ✓	✓
N 3220 E 4680			10.4	48.5 ✓	✓
N 3230 E 4680			11.2	47.7 ✓	✓
N 3220 E 4690			13.8	45.1 ✓	✓
N 3220 E 4720			11.6	47.3 ✓	✓
N 3230 E 4730			11.5	647.4 ✓	✓

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Converse Chief
Elliott Notes
Simpson Level
Houden Rod

		658.87				
N 3230 E 4740			4.4	654.5	✓	✓
N 3240 E 4750			10.9	48.01	✓	
N 3240 E 4760			7.2	51.71	✓	
N 3250 E 4760			11.6	47.31	✓	
N 3250 E 4770			11.6	47.3	✓	
N 3250 E 4780			9.8	49.1	✓	
N 3250 E 4790			10.1	48.8	✓	
N 3250 E 4800			8.3	50.6	✓	✓
T.P.	0.78	647.51	12.14	646.73	Rock	
N 3260 E 4600			4.1	43.4	✓	✓
N 3270 E 4600			10.6	36.9	✓	✓
N 3260 E 4610			4.6	42.9	✓	✓
N 3270 E 4610			7.2	40.3	✓	✓
N 3270 E 4620			13.1	34.4	✓	✓
N 3260 E 4620			7.0	40.5	✓	✓
N 3260 E 4630			7.5	40.0	✓	✓
N 3270 E 4630			11.9	35.6	✓	✓
N 3270 E 4640			11.3	36.2	✓	✓
N 3260 E 4640			4.9	42.6	✓	✓
N 3260 E 4650			5.9	41.6	✓	✓
N 3270 E 4650			11.5	36.0	✓	✓
N 3270 E 4660			11.9	35.6	✓	✓
N 3260 E 4660			7.2	40.3	✓	✓
N 3250 E 4670			5.5	42.0	✓	✓
N 3260 E 4670			9.2	638.3	✓	✓

		647.51				
N 3270 E 4670			13.2	634.3	✓	✓
N 3260 E 4680			13.1	34.4	✓	✓
N 3250 E 4680			10.8	36.7	✓	✓
N 3240 E 4680			9.2	38.3	✓	✓
N 3230 E 4690			11.9	35.6	✓	✓
N 3240 E 4690			16.4	31.1	✓	✓
N 3220 E 4700			9.7	37.8	✓	✓
N 3230 E 4700			11.1	36.4	✓	✓
N 3240 E 4700			14.0	33.5	✓	✓
N 3240 E 4710			11.3	36.2	✓	✓
N 3230 E 4710			8.9	38.6	✓	✓
N 3220 E 4710		647.5	6.4	41.1	✓	✓
N 3230 E 4720			5.4	42.1	✓	✓
N 3240 E 4720			8.8	38.7	✓	✓
N 3250 E 4720			13.1	34.4	✓	✓
N 3260 E 4730			10.9	36.6	✓	✓
N 3270 E 4730			12.9	34.6	✓	✓
N 3250 E 4730			8.9	38.6	✓	✓
N 3240 E 4730			6.6	40.9	✓	✓
N 3240 E 4740			5.1	42.4	✓	✓
N 3250 E 4740			6.9	40.6	✓	✓
N 3260 E 4740			8.7	38.8	✓	✓
N 3270 E 4740			13.1	34.4	✓	✓
N 3270 E 4750			12.1	35.4	✓	✓
N 3260 E 4750			7.5	640.0	✓	✓

			647.51				
N 3250 E 4750				3,4	644.1	✓	✓
N 3260 E 4760				7.2	40.3	✓	✓
N 3270 E 4760				12.2	35.3	✓	✓
N 3260 E 4770				7.1	40.4	✓	✓
N 3270 E 4770				11.3	36.2	✓	✓
N 3270 E 4780				10.7	36.8	✓	✓
N 3260 E 4780				6.1	41.4	✓	✓
N 3260 E 4790				3.8	43.7 ~~46.7~~	✓	✓
N 3270 E 4790				9.5	38.0 ~~36.0~~	✓	✓
N 3270 E 4800				7.1	40.4	✓	✓
T.P.	4.53	651.26			646.73	See page 60 Rock	
N 3260 E 4800				6.1	45.2	✓	✓
N 3260 E 4810				5.0	46.3	✓	✓
N 3270 E 4810				10.6	40.7	✓	✓
N 3270 E 4820				10.1	41.2	✓	✓
N 3260 E 4820				6.0	45.3	✓	✓
N 3260 E 4830				5.1	46.1	✓	✓
N 3270 E 4830				11.6	39.7	✓	✓
N 3260 E 4840				6.0	45.3	✓	✓
N 3270 E 4840				12.1	39.2	✓	✓
N 3260 E 4850				13.2	38.1	✓	✓
N 3270 E 4850				omit interpolate	28.9		✓
N 3270 E 4860				16.3	35.0	✓	✓
N 3260 E 4860				9.4	41.9	✓	✓
N 3250 E 4860				2.7	648.6	✓	✓

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(62)

	651.26				
N 3260 E 4870		12.4	638.9	✓	✓
N 3250 E 4870		5.4	45.9	✓	✓
N 3240 E 4870		+0.7	52.0	✓	✓
N 3240 E 4880		3.0	48.3	✓	✓
N 3250 E 4880		8.2	43.1	✓	✓
N 3260 E 4880		13.1	38.2	✓	✓
N 3260 E 4890		14.5	36.8	✓	✓
N 3250 E 4890		8.9	42.4	✓	✓
N 3240 E 4890		3.2	48.1	✓	✓
N 3230 E 4890		+3.4	54.7	✓	✓
N 3230 E 4900		0.5	50.8	✓	✓
N 3240 E 4900	651.3	1.7	49.6	✓	✓
N 3250 E 4900		8.7	42.6	✓	✓
N 3260 E 4900		14.3	37.0	✓	✓
N 3260 E 4910		14.9	36.4	✓	✓
N 3250 E 4910		9.7	41.6	✓	✓
N 3240 E 4910		4.0	47.3	✓	✓
N 3230 E 4910		1.1	50.2	✓	✓
N 3230 E 4920		0.7	50.6	✓	✓
N 3240 E 4920		4.7	46.6	✓	✓
N 3250 E 4920		10.7	40.6	✓	✓
N 3260 E 4920		15.5	35.8	✓	✓
N 3260 E 4930		16.6	34.7	✓	✓
N 3250 E 4930		9.5	41.8	✓	✓
N 3240 E 4930		4.8	646.5	✓	✓

		651.26				
N 3230 E 4930			+1.2	652.5 ✓	✓	✓
T.P.	12.44	661.53	2.17	649.09		
N 3220 E 4940			2.8	58.7 ✓	✓	✓
N 3230 E 4940			10.9	~~50.6~~ 70.6	✓	✓
N 3230 E 4950			10.3	51.2 ✓	✓	✓
N 3220 E 4950			5.2	56.3 ✓	✓	✓
N 3220 E 4960			5.6	55.9 ✓	✓	✓
N 3230 E 4960			10.1	51.4 ✓	✓	✓
N 3220 E 4970		661.5	6.4	55.1 ✓	✓	✓
N 3230 E 4970			11.5	50.0 ✓	✓	✓
N 3230 E 4980			14.8	46.7 ✓	✓	✓
N 3220 E 4980			9.2	52.3 ✓	✓	✓
N 3210 E 4990			7.5	54.0 ✓	✓	✓
N 3220 E 4990			11.3	50.2 ✓	✓	✓
			11.92	649.61	N3220 E5000 Hub 649.415	
B.M.	5.44	645.56		640.12	N3240 E5000 Hub	
N 3230 E 4990			1.1	44.5 ✓	✓	✓
N 3240 E 4990			6.2	39.4 ✓	✓	✓
N 3250 E 4990			10.5	35.1 ✓	✓	✓
N 3250 E 4980			10.4	35.2 ✓	✓	✓
N 3240 E 4980			4.1	41.5 ✓	✓	✓
N 3240 E 4970			+0.7	46.3 ✓	✓	✓
N 3250 E 4970			4.5	641.1 ✓	✓	✓

End Feb 5-32

Start Feb 8-32

Converse Chief
Simpson Level
Elliott Notes
Louden Rod

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		645.56					
N 3250 E 4960			4.7	640.9	✓	✓	✓
N 3260 E 4960			12.3	33.3	✓	✓	✓
N 3240 E 4960			+ 0.7	46.3	✓	✓	✓
N 3240 E 4950			+ 1.8	47.4	✓	✓	✓
N 3250 E 4950			5.1	40.5	✓	✓	✓
N 3260 E 4950			9.2	36.4	✓	✓	✓
N 3260 E 4940			9.3	36.3	✓	✓	✓
N 3250 E 4940			4.8	40.8	✓	✓	✓
N 3240 E 4940			+ 0.2	45.8	✓	✓	✓
B.M.	7.87	629.07		621.20	N 32.80 E 5300 Hub		
N 3260 E 4990			+ 1.4	30.5	✓	✓	✓
N 3260 E 4980			+ 1.3	30.4	✓	✓	✓
N 3270 E 4990			3.1	26.0	✓	✓	✓
N 3280 E 4990			7.8	21.3	✓	✓	✓
N 3290 E 4990			12.8	16.3	✓	✓	✓
N 3290 E 4980			12.6	16.5	✓	✓	✓
N 3280 E 4980			7.3	21.8	✓	✓	✓
N 3270 E 4980			3.2	25.9	✓	✓	✓
N 3260 E 4970			+ 2.6	31.7	✓	✓	✓
N 3270 E 4970			2.9	26.2	✓	✓	✓
N 3280 E 4970			6.7	22.4	✓	✓	✓
N 3290 E 4970			11.4	17.7	✓	✓	✓
N 3290 E 4960			10.8	18.3	✓	✓	✓
N 3280 E 4960			7.0	22.1	✓	✓	✓
N 3270 E 4960			1.5	627.6	✓	✓	✓

	629.07				
N 3270 E 4950		+0.2	629.3	✓	✓
N 3280 E 4950		6.0	23.1	✓	✓
N 3290 E 4950		10.8	18.3	✓	✓
N 3290 E 4940		8.0	21.1	✓	✓
N 3280 E 4940		5.0	24.1	✓	✓
N 3270 E 4940		+0.3	29.4	✓	✓
N 3270 E 4930		+0.4	29.5	✓	✓
N 3280 E 4930		4.0	25.1	✓	✓
N 3290 E 4930		9.7	19.4	✓	✓
N 3290 E 4920		11.6	17.5	✓	✓
N 3280 E 4920		5.1	24.0	✓	✓
N 3270 E 4920		+0.8	29.9	✓	✓
N 3270 E 4910		+1.6	30.7	✓	✓
N 3280 E 4910		5.2	23.9	✓	✓
N 3290 E 4910		11.3	17.8	✓	✓
N 3290 E 4900		9.4	19.7	✓	✓
N 3280 E 4900		3.6	25.5	✓	✓
N 3270 E 4900		+1.8	30.9	✓	✓
N 3270 E 4890		+2.7	31.8	✓	✓
N 3280 E 4890		3.0	26.1	✓	✓
N 3290 E 4890		8.3	20.8	✓	✓
N 3290 E 4880		6.2	22.9	✓	✓
N 3280 E 4880		3.0	26.1	✓	✓
N 3270 E 4880		+4.5	33.6	✓	✓
N 3270 E 4870		+2.1	631.2	✓	✓

		629.07				
N 3280 E 4870			2.9	626.2	✓	✓
N 3290 E 4870			10.0	19.1	✓	✓
N 3290 E 4860			8.6	20.5	✓	✓
N 3280 E 4860			2.5	26.6	✓	✓
N 3290 E 4850			8.9	20.2	✓	✓
N 3290 E 4840			9.0	20.1	✓	✓
N E T.P.	9.06.	635.08	3.05	626.02		
N 3280 E 4850			10.7	24.4	✓	✓
N 3280 E 4840			6.2	28.9	✓	✓
N 3280 E 4830			1.4	33.7	✓	✓
N 3290 E 4830			9.8	25.3	✓	✓
N 3290 E 4820			6.0	29.1	✓	✓
N 3280 E 4820			+0.4	35.5	✓	✓
N 3280 E 4810			+2.9	38.0	✓	✓
N 3290 E 4810			5.0	30.1	✓	✓
N 3290 E 4800			4.2	30.9	✓	✓
N 3280 E 4800			+0.8	35.9	✓	✓
N 3280 E 4790			1.7	33.4	✓	✓
N 3290 E 4790			7.7	27.4	✓	✓
N 3300 E 4790			15.6	19.5	✓	✓
N 3300 E 4780			13.2	21.9	✓	✓
N 3290 E 4780			7.1	28.0	✓	✓
N 3280 E 4780			2.9	32.2	✓	✓
N 3280 E 4770			3.6	31.5	✓	✓
N 3290 E 4770			7.7	627.4	✓	✓

		635.08				
N 3300 E 4770			15.1	620.0	✓	✓
N 3300 E 4760			14.7	20.4	✓	✓
N 3290 E 4760			7.4	27.7	✓	✓
N 3280 E 4760			3.7	31.4	✓	✓
N 3280 E 4750			3.4	31.7	✓	✓
N 3290 E 4750			9.1	26.0	✓	✓
N 3300 E 4750			13.7	21.4	✓	✓
N 3300 E 4740			12.7	22.4	✓	✓
N 3290 E 4740			10.1	25.0	✓	✓
N 3280 E 4740			4.2	30.9	✓	✓
N 3280 E 4730			5.1	30.0	✓	✓
N 3290 E 4730			9.4	25.7	✓	✓
N 3300 E 4730			12.4	22.7	✓	✓
N 3300 E 4720			12.4	22.7	✓	✓
N 3290 E 4720			10.1	25.0	✓	✓
N 3280 E 4720			9.3	25.8	✓	✓
N 3270 E 4720			4.0	31.1	✓	✓
N 3260 E 4720			3.8	31.3	✓	✓
T.P.	2.06	634.92	2.22	632.86		
N 3250 E 4710			4.9	30.0	✓	✓
N 3260 E 4710			7.4	27.5	✓	✓
N 3270 E 4710			9.1	25.8	✓	✓
N 3280 E 4710			9.7	25.2	✓	✓
N 3290 E 4710			10.7	24.2	✓	✓
N 3300 E 4710			12.9	622.0	✓	✓

	634.92				
N 3300 E 4700		13.1	621.8	✓	✓
N 3290 E 4700		12.2	22.7	✓	✓
N 3280 E 4700		11.4	23.5	✓	✓
N 3270 E 4700		9.9	25.0	✓	✓
N 3260 E 4700		8.2	26.7	✓	✓
N 3250 E 4700		6.8	28.1	✓	✓
N 3250 E 4690		4.0	30.9	✓	✓
N 3260 E 4690		6.4	28.5	✓	✓
N 3270 E 4690		8.9	26.0	✓	✓
N 3280 E 4690		11.5	23.4	✓	✓
N 3280 E 4680	634.9	10.4	24.5	✓	✓
N 3270 E 4680		4.1	30.8	✓	✓
N 3280 E 4670		5.7	29.2	✓	✓
N 3290 E 4670		10.0	24.9	✓	✓
N 3290 E 4660		9.1	25.8	✓	✓
N 3280 E 4660		3.1	31.8	✓	✓
N 3280 E 4650		2.8	32.1	✓	✓
N 3290 E 4650		10.1	24.8	✓	✓
N 3290 E 4640		11.1	23.8	✓	✓
N 3280 E 4640		6.2	28.7	✓	✓
N 3280 E 4630		6.2	28.7	✓	✓
N 3290 E 4630		13.8	21.1	✓	✓
N 3290 E 4620		13.7	21.2	✓	✓
N 3280 E 4620		7.1	27.8	✓	✓
N 3280 E 4610		6.5	628.4	✓	✓

		634.92			
N 3290 E 4610			12.1	622.8	✓ ✓
N 3290 E 4600			12.2	22.7	✓ ✓
N 3280 E 4600			2.6	32.3	✓ ✓
N 3280 E 4590			4.23	630.69	✓ Hub ✓
N 3290 E 4590			10.3	24.6	✓ ✓
N 3290 E 4580			9.3	25.6	✓ ✓
N E T.P.	1.33	624.03	12.22	622.70	
N 3290 E 4560			+1.9	25.9	✓ ✓
N 3300 E 4560			1.6	22.4	✓ ✓
N 3310 E 4560			6.2	17.8	✓ ✓
N 3320 E 4560			11.0	13.0	✓ ✓
N 3320 E 4570			14.1	09.9	✓ ✓
N 3310 E 4570			7.5	16.5	✓ ✓
N 3300 E 4570			1.9	22.1	✓ ✓
N 3290 E 4570			+2.1	26.1	✓ ✓
N 3300 E 4580			3.1	20.9	✓ ✓
N 3310 E 4580			8.5	15.5	✓ ✓
N 3320 E 4580			12.5	11.5	✓ ✓
N 3320 E 4590			13.6	10.4	✓ ✓
N 3310 E 4590			9.0	15.0	✓ ✓
N 3300 E 4590			5.2	18.8	✓ ✓
N 3300 E 4600			5.9	18.1	✓ ✓
N 3310 E 4600			9.1	14.9	✓ ✓
N 3320 E 4600			15.0	09.0	✓ ✓
N 3320 E 4610			15.6	608.4	✓ ✓

	624.03				
N 3310 E 4610		10.5	613.5	✓	✓
N 3300 E 4610		6.7	17.3	✓	✓
N 3300 E 4620		7.7	16.3	✓	✓
N 3310 E 4620		9.8	14.2	✓	✓
N 3320 E 4620		15.1	08.9	✓	✓
N 3320 E 4630		14.4	09.6	✓	✓
N 3310 E 4630		10.4	13.6	✓	✓
N 3300 E 4630		6.5	17.5	✓	✓
N 3300 E 4640		3.9	20.1	✓	✓
N 3310 E 4640		8.6	15.4	✓	✓
N 3320 E 4640		13.4	10.6	✓	✓
N 3320 E 4650	624.0	10.7	13.3	✓	✓
N 3310 E 4650		8.0	16.0	✓	✓
N 3300 E 4650		3.7	20.3	✓	✓
N 3300 E 4660		3.5	20.5	✓	✓
N 3310 E 4660		8.7	15.3	✓	✓
N 3320 E 4660		10.1	13.9	✓	✓
N 3330 E 4660		10.9	13.1	✓	✓
N 3340 E 4660		12.1	11.9	✓	✓
N 3340 E 4670		12.2	11.8	✓	✓
N 3330 E 4670		10.5	13.5	✓	✓
N 3320 E 4670		9.3	14.7	✓	✓
N 3310 E 4670		8.4	15.6	✓	✓
N 3300 E 4670		5.9	18.1	✓	✓
N 3300 E 4680		76	616.4	✓	✓

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Training

		624.03				
N 3290						
E 4680			4.1	619.9	✓	✓
N 3310						
E 4680			6.7	17.3	✓	✓
N 3320						
E 4680			8.2	15.8	✓	✓
N 3330						
E 4680			10.6	13.4	✓	✓
N 3340						
E 4680			12.5	11.5	✓	✓
N 3340						
E 4690			12.3	11.7	✓	✓
N 3330						
E 4690			9.1	14.9	✓	✓
N 3320						
E 4690			8.3	15.7	✓	✓
N 3310						
E 4690			4.2	19.8	✓	✓
N 3300						
E 4690			3.8	20.2	✓	✓
N 3290						
E 4690			3.7	20.3	✓	✓
T.P.	4.87	624.91	3.99	620.04		
N 3310						
E 4700			4.2	20.7	✓	✓
N 3320						
E 4700			7.4	17.5	✓	✓
N 3330						
E 4700			9.2	15.7	✓	✓
N 3340						
E 4700			11.5	13.4	✓	✓
N 3350						
E 4700			12.1	12.8	✓	✓
N 3340						
E 4710			11.6	13.3	✓	✓
N 3330						
E 4710			8.5	16.4	✓	✓
N 3320						
E 4710			6.8	18.1	✓	✓
N 3310						
E 4710			4.4	20.5	✓	✓
N 3310						
E 4720			4.2	20.7	✓	✓
N 3320						
E 4720			6.9	18.0	✓	✓
N 3330						
E 4720			10.4	14.5	✓	✓
N 3340						
E 4720			12.9	612.0	✓	✓

624.91

N 3340 E 4730		13.5	611.4	✓ ✓
N 3330 E 4730		10.4	14.5	✓ ✓
N 3320 E 4730		8.9	16.0	✓ ✓
N 3310 E 4730		6.1	18.8	✓ ✓
N 3310 E 4740		7.1	17.8	✓ ✓
N 3320 E 4740		9.5	15.4	✓ ✓
N 3330 E 4740		10.8	14.1	✓ ✓
N 3340 E 4740		13.5	11.4	✓ ✓
N 3340 E 4750		13.9	11.0	✓ ✓
N 3330 E 4750		11.2	13.7	✓ ✓
N 3320 E 4750		10.5	14.4	✓ ✓
N 3310 E 4750		7.5	17.4	✓ ✓
N 3310 E 4760		8.8	16.1	✓ ✓
N 3320 E 4760		11.8	13.1	✓ ✓
N 3330 E 4760		13.1	11.8	✓ ✓
N 3320 E 4770		13.7	11.2	✓ ✓
N 3310 E 4770		9.3	15.6	✓ ✓
N 3310 E 4780		10.7	14.2	✓ ✓
N 3320 E 4780		14.2	10.7	✓ ✓
N 3310 E 4790		10.3	14.6	✓ ✓
N 3300 E 4800		8.0	16.9	✓ ✓
N 3310 E 4800		11.7	13.2	✓ ✓
N 3310 E 4810		12.2	12.7	✓ ✓
N 3310 E 4820		12.5	12.4	✓ ✓
N 3300 E 4820		6.8	618.1	✓ ✓

		624.91					
T.P.	1.40	614.73	12.08	612.83			
N 3300 E 4830			+2.5	16.7 ✓	✓	✓	
N 3300 E 4840			+1.6	15.8 ✓	✓	✓	
N 3310 E 4840			1.0	13.2 ✓	✓	✓	
N 3320 E 4840			7.6	06.6 ✓	✓	✓	
N 3330 E 4840			11.6	02.6 ✓	✓	✓	
N 3320 E 4850			9.4	04.8 ✓	✓	✓	
N 3310 E 4850			4.4	09.8 ✓	✓	✓	
N 3300 E 4850			+1.3	15.5 ✓	✓	✓	
N 3310 E 4830 O.K.			2.1	12.7 ✓	✓	✓	
N 3300 E 4860			+0.5	14.7 ✓	✓	✓	
N 3310 E 4860		614.2	5.3	08.9 ✓	✓	✓	
N 3320 E 4860			9.9	043 ✓	✓	✓	
N 3320 E 4870			10.8	03.4 ✓	✓	✓	
N 3310 E 4870			6.0	08.2 ✓	✓	✓	
N 3300 E 4870			0.8	13.4 ✓	✓	✓	
N 3300 E 4880			2.1	12.1 ✓	✓	✓	
N 3310 E 4880			6.9	07.3 ✓	✓	✓	
N 3320 E 4880			11.2	03.0 ✓	✓	✓	
N 3320 E 4890			~~10.4~~ 9.4	04.8 ✓	✓	✓	
N 3310 E 4890			7.0	07.2 ✓	✓	✓	
N 3300 E 4890			4.0	10.2 ✓	✓	✓	
N 3300 E 4900			2.4	11.8 ✓	✓	✓	
N 3310 E 4900			8.0	06.2 ✓	✓	✓	
N 3320 E 4900			12.1	602.1 ✓	✓	✓	

614.23

N 3320 E 4910	12.1	602.1	✓	✓
N 3310 E 4910	7.2	07.0	✓	✓
N 3300 E 4910	3.0	11.2	✓	✓
N 3300 E 4920	2.0	12.2	✓	✓
N 3310 E 4920	6.0	08.2	✓	✓
N 3320 E 4920	11.0	03.2	✓	✓
N 3320 E 4930	10.4	03.8	✓	✓
N 3310 E 4930	4.6	09.6	✓	✓
N 3300 E 4930	1.6	12.6	✓	✓
N 3300 E 4940	1.7	12.5	✓	✓
N 3310 E 4940	5.4	08.8	✓	✓
N 3320 E 4940	9.6	04.6	✓	✓
N 3320 E 4950	11.1	03.1	✓	✓
N 3310 E 4950	7.3	06.9	✓	✓
N 3300 E 4950	1.1	13.1	✓	✓
N 3300 E 4960	0.1	~~12.1~~ 14.1	✓	✓
N 3310 E 4960	7.1	07.1	✓	✓
N 3320 E 4960	12.1	02.1	✓	✓
N 3320 E 4970	12.5	01.7	✓	✓
N 3310 E 4970	7.0	07.2	✓	✓
N 3300 E 4970	1.3	12.9	✓	✓
N 3300 E 4980	0.9	13.3	✓	✓
N 3310 E 4980	7.4	606.8	✓	✓
N 3320 E 4980	14.8	599.4	✓	✓
N 3320 E 4990	13.7	600.5	✓	✓

		614.23				
N 3310 E 4990			9.0	605.2	✓	✓
N 3300 E 4990			2.5	611.7	✓	✓
N 3300 E 5000	9.82	620.29	3.77	610.46	✓	610.47 ✓
3290 5000			5.3	15.0	✓	✓
N 3290 E 5010			5.3	15.0	✓	✓
N 3300 E 5010			9.6	10.7	✓	✓
N 3310 E 5010			15.1	05.2	✓	✓
N 3310 E 5020			14.0	06.3	✓	✓
N 3300 E 5020			9.3	11.0	✓	✓
N 3290 E 5020			4.4	15.9	✓	✓
N 3290 E 5030			3.8	16.5	✓	✓
N 3300 E 5030			7.3	13.0	✓	✓
N 3310 E 5030		620.3	14.0	06.3	✓	✓
N 3300 E 5040			10.1	10.2	✓	✓
N 3290 E 5040			3.8	16.5	✓	✓
N 3290 E 5050			4.6	15.7	✓	✓
N 3300 E 5050			10.3	10.0	✓	✓
N 3300 E 5060			10.5	09.8	✓	✓
N 3290 E 5060			6.0	14.3	✓	✓
N 3280 E 5060			2.8	17.5	✓	✓
N 3280 E 5070			3.4	16.9	✓	✓
N 3290 E 5070			7.2	13.1	✓	✓
N 3300 E 5070			9.9	10.4	✓	✓
N 3300 E 5080			11.0	09.3 608.3	✓	✓

620.29

N 3290 E 5080	7.8	612.5	✓	✓
N 3280 E 5080	3.7	16.6	✓	✓
N 3280 E 5090	5.4	14.9	✓	✓
N 3290 E 5090	8.5	11.8	✓	✓
N 3300 E 5090	12.2	08.1	✓	✓
N 3300 E 5100	13.0	07.3	✓	✓
N 3290 E 5100	9.6	10.7	✓	✓
N 3280 E 5100	6.0	14.3	✓	✓
N 3270 E 5100	1.9	18.4	✓	✓
N 3270 E 5110	2.0	18.3	✓	✓
N 3280 E 5110	6.5	13.8	✓	✓
N 3290 E 5110	9.5	10.8	✓	✓
N 3300 E 5110	12.7	07.6	✓	✓
N 3300 E 5120	12.2	08.1	✓	✓
N 3290 E 5120	9.1	11.2	✓	✓
N 3280 E 5120	4.7	15.6	✓	✓
N 3270 E 5120	1.9	18.4	✓	✓
N 3280 E 5130	2.1	18.2	✓	✓
N 3290 E 5130	6.5	13.8	✓	✓
N 3300 E 5130	10.3	10.0	✓	✓
N 3310 E 5130	11.9	08.4	✓	✓
N 3310 E 5140	11.2	09.1	✓	✓
N 3300 E 5140	8.5	11.8	✓	✓
N 3290 E 5140	4.7	615.6	✓	✓

620.29

N 3290 E 5150		4.3	6 16.0	✓	✓
N 3300 E 5150		7.4	12.9	✓	✓
N 3310 E 5150		9.8	10.5	✓	✓
N 3320 E 5140		13.9	06.4	✓	✓
N 3320 E 5150		14.2	06.1	✓	✓
N 3320 E 5160		15.6	04.7	✓	✓
N 3310 E 5160		9.9	10.4	✓	✓
N 3300 E 5160		6.7	13.6	✓	✓
N 3290 E 5160		4.0	16.3	✓	✓
N 3290 E 5170		3.2	17.1	✓	✓
N 3300 E 5170		6.6	13.7	✓	✓
N 3310 E 5170		10.1	10.2	✓	✓
N 3320 E 5170		12.4	07.9	✓	✓
N 3320 E 5180		13.7	06.6	✓	✓
N 3310 E 5180		10.0	10.3	✓	✓
N 3300 E 5180		6.9	13.4	✓	✓
N 3290 E 5180		4.5	15.8	✓	✓
N 3290 E 5190		4.2	16.1	✓	✓
N 3300 E 5190		7.4	12.9	✓	✓
N 3310 E 5190		10.8	09.5	✓	✓
N 3320 E 5190		14.6	05.7	✓	✓
N 3320 E 5200		14.2	06.1	✓	✓
N 3310 E 5200		11.0	09.3	✓	✓
N 3300 E 5200		6.4	13.9	✓	✓
3290 5200		3.9	6 16.4	✓	✓

620.29

N 3290 E 5210	4.0	616.3	✓	✓
N 3300 E 5210	5.6	14.7	✓	✓
N 3310 E 5210	8.5	11.8	✓	✓
N 3320 E 5210	12.5	07.8	✓	✓
N 3330 E 5220	12.1	08.2	✓	✓
N 3320 E 5220	9.7	10.6	✓	✓
N 3310 E 5220	6.5	13.8	✓	✓
N 3310 E 5230	2.9	17.4	✓	✓
N 3320 E 5230	5.9	14.4	✓	✓
N 3330 E 5230	8.7	11.6	✓	✓
N 3340 E 5230	11.9	08.4	✓	✓
N 3350 E 5240	12.2	08.1	✓	✓
N 3340 E 5240	8.9	11.4	✓	✓
N 3330 E 5240	6.2	14.1	✓	✓
N 3320 E 5240	3.6	16.7	✓	✓
N 3320 E 5250	0.0	20.3	✓	✓
N 3330 E 5250	2.8	17.5	✓	✓
N 3340 E 5250	6.4	13.9	✓	✓
N 3350 E 5250	10.4	09.9	✓	✓
N 3360 E 5260	11.9	08.4	✓	✓
N 3350 E 5260	8.2	12.1	✓	✓
N 3340 E 5260	5.0	15.3	✓	✓
N 3330 E 5260	2.1	18.2	✓	✓
N 3320 E 5260	+0.8	21.1	✓	✓
	4.17	616.12	Top of peg 3340 5260	

Contd. in Book #333.

Encl Feb 8-1932

IMPROVED TABLES

AND

INFORMATION

610.47
+3.77
614.24
-1.40
612.84 = 613.03
+12.05
624.89
-4.85
620.04 = 620.24
-4.08
624.12
1.41
622.71 = 622.90
+12.71
635.42
-2.55
632.87 = 633.06
2.77
635.64
-9.63
626.01 = 626.02

635.42
4.73
630.69

621.60
0.40
622.00
11.13
610.87

610.47
-11.13
621.60
0.40
621.20

635.64
626.02
9.62

Checked N3280 E5000 621.20 Marked 621.60

7772
764.3
5415
770.7

770.9
7.2
3.8