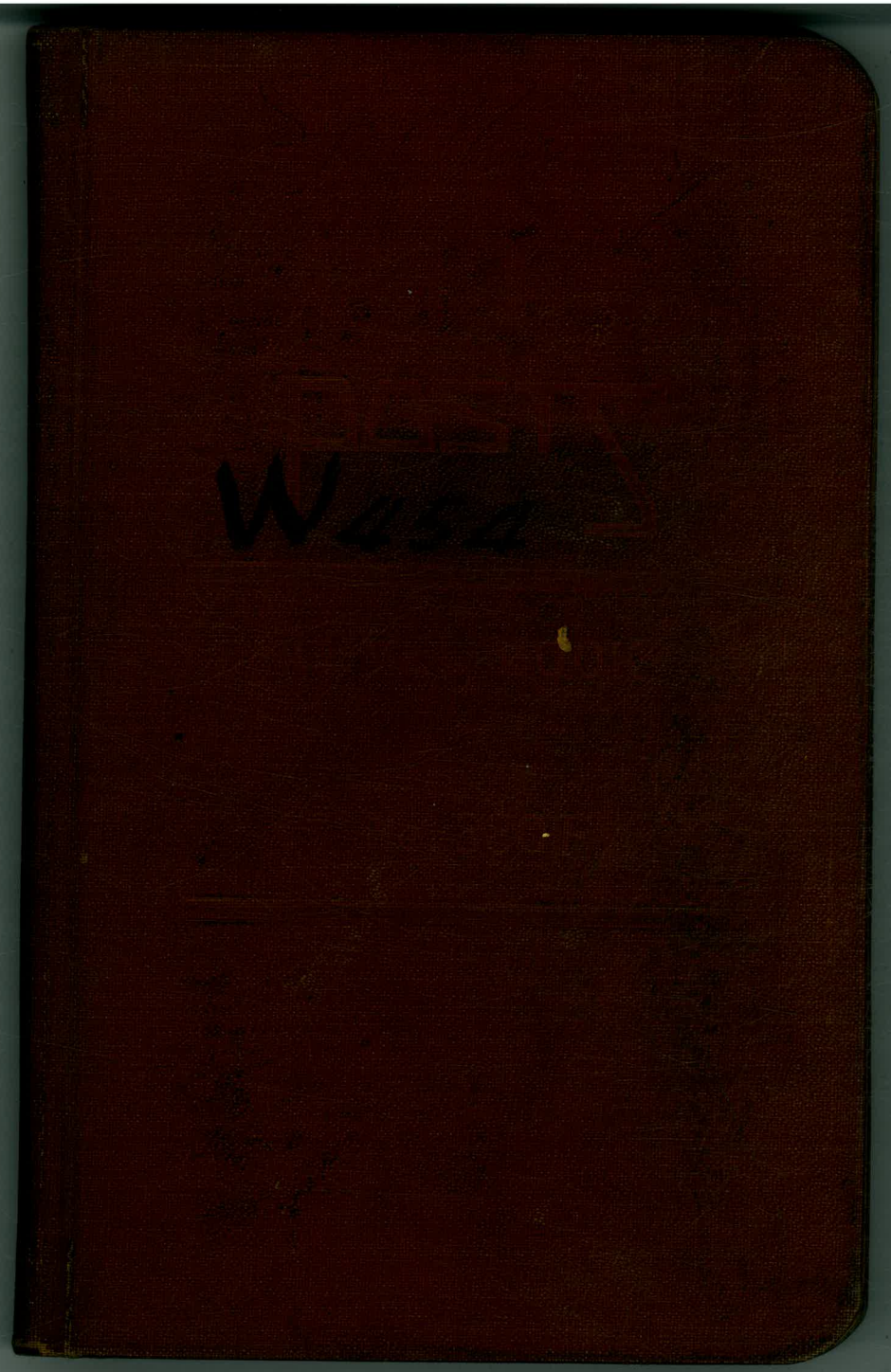

454

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INDEX

X Sections of spillway
Excavation + spoil for Est 19
Dec 1-1933
Elliott-Soper-Osborne
West of E. 4800 is same as previous

E 4800 ✓

B.M. 5.23	725.54	720.31
on ½ to 1 to O.G.	3.6	21.9
4410	3.7	21.8
4380	5.5	20.0
4360	5.7	19.8
4280	13.7	11.8
4220	17.5	08.0
On ½ to 1 to O.G.	17.4	08.1

E 4820 ✓

on ½ to 1 to O.G.	16.5	09.0
4220	15.6	09.9
4280	12.7	12.8
4340	7.2	18.3
4380	5.0	20.5
4400	2.9	22.6
On ½ to 1 to O.G.	3.1	22.4

725.54

E 4840 ✓

on ½ to 1 to O.G.	2.8	22.7
4400	2.1	23.4
4350	10.2	15.3
4300	19.3	06.2
4260	21.2	04.3
4240	14.2	11.3
on ½ to 1 to O.G.	15.0	10.5

E 4880 ✓

on ½ to 1 to 770	0.0	25.5
4225	7.1	18.4
4235	20.7	04.8
4310	17.1	08.4
4320	12.8	12.7
4360	11.0	14.5
4370	5.9	19.6
4395	5.0	20.5
4400	1.2	24.3
on ½ to 1 to O.G.	0.8	24.7

725.54 E 4920 ✓

On ½ to 1 to O.G.	0.0	25.5
4395	2.2	23.3
4385	11.3	14.2
4340	12.0	13.5
4280	16.4	09.1
on ½ to 1 to 770	17.9	07.6

E 4960 ✓

↑Excavation completed on South

4340	10.1	15.4
B.M. 12.53 732.84		720.31
4420	6.5	26.3
On ½ to 1 to O.G.	5.8	27.0

E 5000 ✓

on ½ to 1 to O.G.	4.1	28.7
4415	3.9	28.9

4400 floor subgrade, and compled on south to plateau Elev. 770

753.2

4170		770.0
4145	6.2	47.0
4115	6.2	47.0

732.84 E 5020

on ½ to 1 to O.G.	2.2	30.6
4415	2.9	29.9

4400 floor subgrade and completed on S.

753.2

4214 Line of back of weir ±	+2.8	56.0
4185	+11.1	64.3
4158	+2.6	55.8
4152	6.3	46.9
4130	6.3	46.9

732.84 E 5040

on ½ to 1 to O.G	1.1	31.7
4415	1.8	31.0

4400 floor sub. and comp. south

753.2

Back of weir	6.3	46.9
4200	3.4	49.8
4190	2.0	51.2
4170	5.8	47.4
4150	5.7	47.5

732.84 E5060

on ½ to 1 to 0.6		+ 0.8	33.6
4415		0.4	32.4
4400 floor sub. and completed on So.			
T.P.	12.52	744.84 0.52	732.32
	753.2		
Back of wier		6.3	46.9
4170		5.1	48.1

744.84 E5100

on ½ to 1 to 0.6,			
4410		8.7	36.1
4405 floor sub. and completed on So.			
	753.2		
Top of ogee			750.0
4220		4.2	49.0
4205		6.5	46.7
4160			0.G.

744.84 E5140

on ½ to 1 to 0.6.		7.1	37.7
4415		7.0	37.8
4400 floor sub. and completed on So.			
	753.2		
Top of ogee			750.0
4236.		2.4	50.8
4200			0.G.

744.84 E5180

on ½ to 1 to 0.6.		6.3	38.5
4415		6.6	38.2
4400 floor sub. and comp. on So.			
	749.92		
Top of ogee			750.0
4227		2.8	47.1
T.P.	6.07	753.15 2.84	747.08

on So, same as last est.

744.84 E 5220 ✓

on ½ to 1 to O.G.	6.1	38.7
4410	5.4	39.4

4400 floor sub. and completed on so.

749.9

Top of ogee		750.0
4235	2.6	47.3

on so. same as last est

↓

744.84 E 52.60 ✓

on ½ to 1 to O.G.	3.4	41.4
4410	4.7	40.1

4400 floor sub. and comp. on so.

749.9

Top of ogee	-	750.0
4245	2.8	47.1

On So. same as last est.

↓

744.84 E 5300 ✓

On ½ tol to O.G.	3.3	41.5
4408	4.2	40.6
4400 floor. sub. and comp. on So.		
749.9		
Top of ogee	750.0	
4253	4.5	45.4
On So. same as last est.		
↓		

744.84 E5340 ✓

On ½ tol to O.G.	3.0	41.8
4410	3.3	41.5
4400 floor sub. and comp on So.		
749.9		
Top of ogee	750.0	
4256	4.9	45.0
On So. same as last est.		
↓		

744.84 E5380

on ½ to 1 to O.G.		1.7	43.1
4412		2.6	42.2
4400 floor sub. and compl. on So.			
	749.9		
Top of ogee			750.0
4258		4.1	45.8
on So. same as last est.			

↓

744.84 E5420

T.P.	9.42	753.36	0.90	743.94
on ½ to 1 to O.G.			7.7	45.7
4406			8.7	44.7
4395 floor sub. and compl. on So.				
Top of ogee				750.0
4254			7.4	46.0
T.P.	3.35	749.92	6.79	746.57
on So. same as last est.				

↓

753.36 E 5440 ✓

on ½ to 1 to O.G.	6.6	46.8
4405	6.8	46.6

Floor subgrade complete at toe of ogee

Top of ogee		750.0
4254	7.9	45.5
4108		Toe & O.G.

753.36 E 5460 ✓

on ½ to 1 to O.G.	6.0	47.4
4400	4.8	48.6
4393	floor sub. and completed on Sa.	

Top of ogee		750.0
4253	8.1	45.3
746.15		
4247	7.6	38.6
4217	7.5	38.7
4200	11.2	35.0
4160	27.2	19.0
4065		Toe & O.G.

753.36 E5480

on ½ to 1 to O.G.			5.1	48.3
4360			5.0	48.4
4260			9.1	44.3
4252			9.0	44.4
B.M.	1.65	751.52		749.87
T.P.			12.13	739.39
	6.76	746.15		
4249			6.1	40.1
4220			6.5	39.7
4180			5.1	41.1
4034				Toe and O.G.

E 5500

↑ on North same as last sections				
4260			3.7	42.5
4220			5.4	40.8
4180			4.5	41.7
4145		734.74	14.8	19.9
4027				Toe + O.G.
			12.53	733.62
	1.12	734.74		

746.15 E5520

↑ on North same as last sections			
4260		3.7	42.5
4220		5.8	40.9
4190		3.8	42.4
	734.74		
4158		10.2	24.5
4145		11.4	23.3
4025			Toe of O.G.

746.15 E5560

↑ on North same as last sections			
4220		8.2	38.0
4200		8.2	38.0
4178			26.8
4165			22.1
4150			21.6
4075			Toe + O.G.

E5580 is same as previous sections

E5600 is O.G.

Simpson – Rec. Dec. 9, 1933. Gauge 682.5

Sample #	Water D.	Sample D.	N.	E.	Ground 10/22/33.	
721 Sand	3.5	6.5-8.5	3620	5040	673.5	
722 Sand	4.5	7'-9'	"	5030	672.0	
723 Sand	5.0	6'-8'	"	5020	670.0	
724 Silt	6.0	9'-11	"	5010	669.0	
725 Silt	6.0	7'-9'	"	5000	669.5	
726 Sand	"	10'	"	"	"	very Hard.
727 Sand	6.0	8'-10'	"	4990	672.5	
728 Silt.	5.5	8'-10'	"	4980	672.0	
729 Sand.	3.5	7'-9'	"	4970	673.0	
730 Sand	0.0	0.0	3700	5050	678.5	
731 Sand	5.5	5.5-7.5	"	5040	674.5	

Simpson-Rec.

Dec. 9, 1933

Gauge 682.5

Sample #	Water D.	Sample D.	N.	E	Ground 10/23/33
732 Sand	6.5	7.5-9.5	3700	5030	673.0
733 Sand	7.0	8.5-10.5	"	5020	671.5
734 Sand	7.5	8'-10'	"	5010	671.0
735 Sand + Silt	7.0	8'-10'	"	5000	671.5
736 Silt	"	12'-14'	"	5000	"
737 Silt	7.0	8'-9'	"	4990	672.0
738 Silt	"	6'-8'	"	"	"
739 Silt	7.0	8.5-9.5	"	4980	673.0
740 Sand	"	7.5-8.5	"	"	"
741 Silt	6.5	8.5-9.5	"	4970	674.5
742 Sand	"	7.5-8.5	"	"	"
743 Sand	2.0	2.0	"	4960	678.5

Dec. 9, 1933

Gauge 682.5 (12)

Sample #	Water D.	Sample D.	N.	E	Ground 10/23/33.
832 Sand	0.5	0.5	3850	5060	
833 Silt + Sand	2.5	3'-5'	"	5050	
834 Silt + Sand	6.0	8'-10'	"	5040	
835 Silt	8.0	9'-11'	"	5030	
836 Silt	8.5	10'-12'	"	5020	
837 Silt	9.0	9'-11'	"	5010	
838 Silt	9.0	10'-12'	"	5000	
839 Sand + Silt	"	11'-13'	"	"	
840 Silt	8.0	9'-11'	"	4990	
841 Silt	6.5	7'-9'	"	4980	
842 Silt + Sand	3.5	4'-6'	"	4970	
843 Sand	0.0	0.0	"	4960	

Simpson-Rec. — Dec. 10, 1933 A.M. — Gauge 682.4

Sample #	Water Depth	Sample Depth	N.	E.	Ground 10/23/33
844 Sand	2.0	2.0	3750	5050	
845 Sand	6.0	6'-8'	"	5040	675.7
846 Sand	"	8'-10'	"	"	"
847 Sand	"	10'-12'	"	"	"
848 Sand + Silt	"	12'-14'	"	"	"
849 6" Sand on top Silt	7.5	8'-10'	"	5030	673.4
850 Silt	"	10'-12'	"	"	"
851 Sand + Silt	"	12'-14'	"	"	"
852 Sand	7.5	8'-10'	"	5020	672.3
853 Sand	7.5	9'-11'	"	5010	672.0
854 6" Silt 6" Sand 6" Silt	7.5	9.5-10.0 10.5-10.5 10.5-11.0	"	5000	670.9

Dec. 10, 1933 — P.M. — Gauge 682.4 (13)

Sample #	Water Depth	Sample Depth	N.	E.	Ground 10/23/33
869 Sand	0.0	0.0	3600	5050	
870 Sand	2.0	2.0	"	5040	
871 Sand	3.5	4'-6'	"	5030	
872 Sand	5.0	5'-7'	"	5020	
873 Sand	5.0	5'-7'	"	5010	
874 Silt	5.5	5.5-7.5	"	5000	
875 Silt + Sand	5.5	5.5-7.5	"	4990	
876 Silt	5.0	5'-7'	"	4980	
877 Sand	2.5	3'-5'	"	4970	
878		+1.5	"	4960	

Dec. 10, 1933 – P.M.

Gauge 682.4

Sample #	Water Depth	Sample Depth.	N.	E	Ground
879 Sand	0.0	0.0	3550	5050	
880 Sand	4.0	4'-6'	"	5040	
881 Sand	4.0	4'-6'	"	5030	
882 Silt	5.0	5'-7'	"	5020	
883 Sand + Silt	5.0	5'-7'	"	5010	
884 Silt	5.0	5'-7'	"	5000	
885 Silt + Sand	5.5	5.5-7.5	"	4990	
886 Silt + Sand	5.5	5.5-7.5	"	4980	
887 Pure Sand	3.5	3.5-6.5	"	4970	
888 Sand	0.0	0.0		4960	

Dec. 10, 1933 - P.M.,

Gauge 682.4

(4)

Sample #	Water Depth	Sample Depth	N.	E.
910 Sand	0.0	0.0	3250	5050
911 Sand	4.5	4.5-8.5	"	5040
912 2' Silt - Top 2' Sand	6.0	6'-10'	"	5030
913 2' Silt - Top 2' Sand	6.5	6.5-10.5'	"	5020
914 2' Silt - Top 2' Sand	6.5	6.5'-10.5'	"	5010
915 Silt	7.0	7'-11'	"	5000
916 Silt	8.0	8'-12'	"	4990
917 Sand	8.0	8'-12'	"	4980
918 Sand + Silt	7.0	7'-11'	"	4970
919 2' Silt - Top 2' Sand	7.0	7'-11'	"	4960
920 Sand	3.0	3'-6'	"	4950

Dec. 11, 1933.

Gauge 682.3

Sample #	Water Depth	Sample Depth	N.	E.	Ground 10/23/33
921 Sand	0.0	0.0	3150	5050	678.5
922 Sand	3.0	3.0 - 5.5	"	5040	678.2
923 5.0-6.0 - Silt 6'-9' - Sand 9.0-9.5 Silt	5.0	5.0 - 9.0	"	5030	673.2
924 Silt	6.0	6' - 8'	"	5020	669.7
925 Sand	"	8' - 10'	"	"	"
926 Sand		10' - 11.5'	"	"	"
927 Silt		11.5 - 14'	"	"	"
928 Silt	6.0	6' - 10'	"	5010	669.5
929 Silt		10' - 14'	"	"	"
930 Silt	5.5	5.5 - 9.5	"	5000	672.5
931 Silt	6.0	7' - 9' 10' - 11'	"	4990	671.7
932 Sand	"	9' - 10'	"	"	"
933 Sand	4.5	4.5 - 7.0 O.S.	"	4980	675.3

Dec. 11, 1933.

(15)

Gauge 682.3

Sample #	Water Depth	Sample Depth	N.	E.	Ground 10/23/33.
934 Sand	0.0	0.0	3160	5050	677.0
935 Sand	4.5	4.5' - 8'	"	5040	673.2
936 Silt	"	8' - 10'	"	"	"
937 Silt	5.0	5' - 7'	"	5030	670.1
938 Sand	"	7' - 9'	"	"	"
939 Silt	"	9' - 13'	"	"	"
940 Silt	6.0	6.0 - 8.5 11.0 - 14.0	"	5020	668.7
941 Sand	"	8.5 - 11.0	"	"	"
942 Silt	5.5	5.5 - 9.5	"	5010	669.7
943 Silt	"	9.5 - 13.5	"	"	"
944 Silt	5.5	5.5 - 8.0	"	5015	669.3
945 Silt & Sand	"	8' - 9.5 9.5 - 12.0	"	"	"
946 Silt	"	12.0 - 13.0	"	"	"
947 Silt & Sand	5.0	5.0 - 9.0	"	5000	669.7
948 Silt	"	9' - 11'	"	"	"
949 Sand		11.0 - 12.5	"	"	"
950 Silt		12.5 - 13.0	"	"	"

Dec. 11, 1933.

Gauge 682.3

Sample #	Water Depth	Sample Depth	N.	E.	Ground 10/23/32.
951 Silt	6.0	6.0 - 8.0	3160	4990	668.2
952 Sand	"	8.0 - 8.5	"	"	"
953 Silt	"	8.5 - 10.0	"	"	"
954 Silt	"	10.0 - 14.0	"	"	"
955 Silt	5.5	5.5 - 7.0	"	4980	673.3
956 Sand - O.G.		7.0 - 9.0	"	"	"
957 Sand	2.5	2.5 - 6.5	"	4970	675.8

Dec. 12, 1933.

(14)

Gauge 682.2

Sample #	Water Depth	Sample Depth	N.	E.	Ground 10/23/32.
976 Sand + Silt	5.0	5.0 - 9.0	3170	4970	670.5
977 Silt	"	9.0 - 13.0	"	"	"
978 Sand	3.5	3.5 - 5.5	"	4960	675.9
979 Sand	3.5	3.5 - 7.5	3180	4960	670.8
980 Sand	"	7.5 - 10.5	"	"	"
981 Silt	"	10.5 - 11.5	"	"	"
982 Sand + Silt	6.0	6.0 - 9.0	"	4970	668.0
983 Sand	"	9.0 - 14.0	"	"	"
984 Silt + Sand	6.5	6.5 - 10.5	"	4980	667.7
985 Sand	"	10.5 - 13.0	"	"	"
986 Silt	"	13.0 - 14.0	"	"	"
987 Silt	6.0	6.0 - 10.0	"	4990	667.8
988 Sand	"	10.0 - 13.0	"	"	"
989 Silt	5.0	5.0 - 9.0	"	5000	667.4
990 Silt	"	9.0 - 13.0	"	"	"

Dec. 12, 1933.

Gauge 682.2

Sample #	Water Depth	Sample Depth	N.	E.	Ground 10/23/33
991 Silt	5.0	5.0 - 10.0	3180	5010	667.3
~~992 Silt~~	"	~~9.0 - 10.0~~	"	"	"
992 Sand	"	10.0 - 11.0	"	"	"
993 Silt	"	11.0 - 13.0	"	"	"
994 Silt	5.5	5.5 - 6.5	"	5020	668.9
995 Sand	"	6.5 - 12.5	"	"	"
996 Silt	"	12.5 - 13.5	"	"	"
997 Sand	5.0	5.0 - 8.0	"	5030	670.4
998 Silt	"	8.0 - 13.0	"	"	"
999 Sand	3.0	7.0 - 10.0 3.0 - 7.0	"	5040	672.1
1000 Silt	"	10.0 - 11.0	"	"	"
1001 Sand	0.0	Beach 0.0	"	5050	675.8

Dec 14 – 1933   Gauge 682!

N 3220

3190

1017 S. Sl 6-12 (1017 S. Sl.) 12-14 (1018 S.) 14-16 Sl.

East.	Depth to original bottom	Water depth	Sample# and depth	Sample# and depth		
E5045 Beach						
E5040	10^{0}	3^{0}	#1055 3^{0}-7^{0} S.	7^{0}-10^{0} S.	#1056 10^{0}-11^{0} Sl	
E5030	13^{3}	5^{0}	#1057 5^{0}-9^{0} Sl.	#1058 9^{0}-11^{0} S	#1059 11^{0}-13^{3} Sl.	
E5020	14^{5}	6^{0}	#1060 6^{0}-11^{5} Sl.	#1061 11^{5}-13^{0} S.	#1062 13^{0}-14^{0} Sl.	
E5010	16^{8}	6^{0}	#1063 6^{0}-10^{0} Sl.	#1064 10^{0}-12^{0} S.	#1065 12^{0}-14^{0} Sl	
E5000	16^{5}	5^{0}	#1066 5^{0}-8^{0} Sl.	#1067 8^{0}-9^{0} S.	#1068 9^{0}-11^{0} Sl. S.	#1069 11^{0}-13^{5} S.
E4990	15^{5}	7^{5}	#1070 7^{5}-11^{5} Sl.	#1071 11^{5}-14^{0} S	14^{0} – (impt.)	
E4980	15^{0}	7^{5}	#1072 7^{5}-11^{5} Sl.	#1073 11^{5}-13^{5} S	13^{5} – 15^{0} (impt.)	
E4970	12^{5}	7^{0}	#1074 7^{0}-10^{0} Sl.	#1075 10-11 S. ↔	11^{0}-13^{0} S.	
E4951 Beach						

Dec 14-1933 N3230 Gauge 682.

East	Depth to original Bottom	Water Depth			
4951 Beach					
4970.	16°	6⁵	#1076 6⁵-10⁵ Sl.	#1077 10⁵-14⁵ S.	
E 4980	16°	7⁵	#1078 7⁵-11⁵ Sl.	#1079 11⁵-15⁵ S.	
E 4990	16°	7⁵	#1080 7⁵-11⁵ Sl.	11⁵-13⁵ Sl	#1081 13⁵-15⁵ S.
E 5000	16⁵	5°	#1082 5°-9° Sl.	#1083 9°-13° S.	
E 5010	16°	6°	#1084 6°-10° Sl.	10°-13° Sl.	#1085 13°-14° S.
E 5020	14°	6°	#1086 6°-10° Sl.	10°-12° Sl.	#1087 12°-14° S.
E 5030	12⁵	5⁵	#1088 5⁵-8° Sl.	#1089 8°-10° S	#1090 10°-13⁵ Sl.
E 5040	9⁵	3°	#1091 3°-7° S.	7°-10° S	
E 5045 Beach					

Dec 14-1933 N3240 Gauge 682.

	Depth to original bottom	Water depth			
E 5045 Beach					
E 5040	9°	3°	#1092 3°-7° S.	7°-11° S	
E 5030	12°	5⁵	#1093 5⁵-7⁵ Sl.	#1094 7⁵-11⁵ S.	#1095 11⁵-13⁵ Sl.
E 5020	15°	6°	#1096 6°-12° Sl.	#1097 12°-13° S.	#1098 13°-13⁵ Sl.
E 5010	16°	6°	#1099 6°-12° Sl.	#1100 12°-14° S.	
E 5000	15⁵	6⁵	#1101 5⁵-9⁵ Sl	#1102 9⁵-13⁵ S.	
E 4990	15°	7⁵	#1103 7⁵-12⁵ Sl.	#1104 12⁵-15⁵ S.	
E 4980	14°	7°	#1105 7°-11° Sl.	#1106 11°-15° S.	
E 4970	13°	7°	#1107 7°-9° Sl.	#1108 9°-13⁵ S,	#1109 13⁵-14⁵ Sl.
E 4952 Beach					

Dec. 15. 1933. Gauge 683

Sample	Water Depth	Sample Depth	N.	E.	Ground.
1170 Silt	7	7½ - 9	3280	5040	672.1
1171 Sand	"	9 - 11	"	"	"
1172 Silt	"	11 - 11½	"	"	"
1173 Silt	7	7 - 10½	"	5030	669.4
1174 Sand	"	10½ - 11½	"	"	"
1175 Silt	"	11½ - 15	"	"	"
1176 Silt	"	7 - 13	"	5020	667.0
1177 Sand	"	13 - 14	"	"	"
1178 Silt	7½	7½ - 11½	"	5010	665.6
1179 Sand		11½ - 15½	"	"	"
1180 Silt	8	8 - 13	"	5000	665.6
1181 Sand	"	13 - 16	"	"	"
1182 Silt	8½	8½ - 12½	"	4990	665.8
1183 Sand	"	12½ - 16½	"	"	"
1184 Silt	7½	7½ - 12½	"	4980	667.5
1185 Sand	"	12½ - 14	"	"	"
1186 Silt	"	14 - 15½	"	"	"

(20) Gauge 683

Sample	Water Depth	Sample Depth	N	E	Ground
1187 Silt	7	7 - 10	3280	4970	671.5
1188 Sand	"	10 - 11	"	"	"
1189 Silt	"	11 - 15	"	"	"
1190 Silt	7½	7½ - 9½	3290	4970	671.5
1191 Sand	"	9½ - 11½	"	"	"
1192 Silt	"	11½ - 14½	"	"	"
1193 Silt	8	8 - 12	"	4980	668.3
1194 Sand	"	12 - 13	"	"	"
1195 Silt	"	13 - 16	"	"	"
1196 Silt	7½	7½ 10½	"	4990	666.5
1197 Sand	"	10½ - 14½	"	"	"
1198 Silt	7½	7½ - 11½	"	5000	665.9
1199 Sand	"	11½ 13½	"	"	"
1200 Silt	"	13½ - 15½	"	"	"
1201 Silt	7	7 - 11	"	5010	665.7
1202 Sand	"	11 - 12	"	"	"
1203 Silt	"	12 - 15	"	"	"

Dec 15 - 1933 Gouge 683.0

Sample	Water Depth	Sample Depth	N.	E.	Ground
1204 Silt	7	7-11	3290	5020	667.5
1205 Sand	"	11 - 13½	"	"	"
1206 Silt	"	13½ - 14	"	"	"
1207 Silt	7	7-10	"	5030	670.4
1208 Sand	"	10 - 11	"	"	"
1209 Silt	"	11 - 15	"	"	"
1210 Sand	7½	7½ - 10½	"	5040	675.8
1211 Silt	"	10½ 11½	"	"	"
1212 Silt	7	7-8½	3300	5040	669.5
1213 Sand	"	8½ - 9½	"	"	
1214 Silt	"	9½ - 15	"	"	
1215 Silt	7½	7½ - 10½	"	5030	669.9
1222 Sand	"	10½ 11½	"	"	"
1223 Silt	"	11½ - 15½	"	"	"
1224 Silt	7½	7½ - 12½	"	5020	667.1
1225 Sand	"	12½ - 14½	"	"	"
1226 Silt	"	14½ - 15½	"	"	"

(21)

Dec 16 - 1933 Gouge 683.2

Sample	Water Depth	Sample Depth	N.	E.	Ground
	6°		3330	4960	
1275 Silt	6½	6½ - 9½	3330	4970	671.3
1276 Sand	"	9½ - 11½	"	"	"
1277 Silt	"	11½ - 13	"	"	"
1278 Silt	7	7 - 11	"	4980	668.5
1279 Sand	"	11 - 13	"	"	"
1280 Silt	"	13 - 14	"	"	"
1281 Silt	7	7 - 12	"	4990	667.2
1282 Sand	"	12 - 14	"	"	"
1283 Silt	6½	6½ - 12½	"	5000	666.4
1284 Sand	"	12½ - 14	"	"	"
1285 Silt	"	14 - 15½	"	"	"
1286 Silt	8	8 - 16	"	5010	666.1
1287 Silt	7½	7½ - 16½	"	5020	667.5
1288 Silt	6	6 - 14	"	5030	670.4
1289 Silt	7	7 - 12	"	5040	673.4
	6½		"	5050	
Beach			"	5070	

Dec 16 Gauge 683.2

Sample	Water	Sample	N.	E	Or. Grnd.
Beach			3340	4955	
	6		"	4960	
1290 Sand	7	7 – 9	"	4970	670.5
1291 Silt	"	9 – 10	"	"	"
1292 Sand	"	10 – 12	"	"	"
1293 Silt	"	12 – 16	"	"	"
1294 Silt	7±	7± – 11±	"	4980	667.9
1295 Sand	"	11± – 13±	"	"	"
1296 Silt	"	13± – 16±	"	"	"
1297 Silt	7	7 – 13	"	4990	666.8
1298 Sand	"	13 – 15	"	"	"
1299 Silt	7	7 – 13	"	5000	666.1
1300 Sand	"	13 – 14	"	"	"
1301 Silt	"	14 – 15	"	"	
1302 Sand	"	15 – 16	"	"	
1303 Silt	8	8 – 16	"	5010	666.0
1304 Silt	7	7 – 16	"	5020	667.9
1305 Silt	7	7 – 12	"	5030	671.2

Dec 16 – 1933 Gauge 683.2

Sample	Water	Sample	N.	E	Orig. Grnd
1306 Silt	6	6 – 11	3340	5040	673.9
	6		"	5050	
Beach			"	5080	

Dec. 19-33 Gauge 682.8

contin. from Bk 460 P.

1392 silt	6±	6± – 10± 10± – 12	3380 3370	5010	666.6
1393 Sand		12± – 13±	"	"	
1394 silt		13± – 17± 13± – 16±	"	"	
1395 silt	6°	6° 10 – 14	"	5000	666.2
"		14 – 17			
1396 silt	6°	6° 10 – 14	"	4990	667.3
"		14 – 17			
↳ test for Mr. Hill					
1397 eat	5±	5± – 7±	"	4980	669.6
1398 silt		5± – 7±		"	
sand no s.		7± – 8±		"	
1399 silt		8± 9± 9± 14±		"	
"		9± – 13±		"	
1400 sand		14± 15±			
1401 silt		15± – 16±		"	
	5°			4970	672.9
Beach				4965	

Dec. 19-33 Gauge 6828

Sample	Water d.	Sampled	N	E	Orig. Gr.
			3390 ~~3380~~	4965	
Beach					
1402 Sand	4°	4-8-8-10		4970	673.0
1403 silt		10-12			
1404 sand	6°	6-10-10-12	"	4980	669.6
1405 silt		12-14	"	"	
1406 silt	7°	7-9-	"	4990	667.3
1407 sand		9-11 11-14	"	"	
1408 silt		14-15-15-18	"	"	
1409 silt	6½	6½-10½-10½-14½	"	5000	665.9
"		14½-17½	"	"	
1410 silt	6½	6½-10½-10½-14½		5010	666.9
"		14½-17½	"	"	
1411 silt	6½	6½-10½	"	5020	669.2
"		10½-14½ 14½-16½			
1412 sand		16½-17½			
1413 silt	6°	~~6-10~~ 6-8	"	5030	671.4
1414 sand		8-10	"	"	
1415 Silt		10-14-14-17	"	"	
1416 sand	6°	6-8	"	5040	674.3
1417 silt		~~8-10~~ 8-11	"	"	
1418 Sand		11-14-14-17	"	"	

(23)

Dec. 1933 Gauge 6828

sample	Water d.	Sampled	N	E	Orig Gr.
			3390	5050	677.2
Beach				5063	

Dec. 21-33 Gauge 6824

Sample	Water	Sampled	N	E	Orig. Gr.
			3600	5050 = Beach	
1531 sand	3°	3-7 7-10		5040	671.6
1532 silt		10-11 11-14			
1533 sand	6°	6-9	"	5020	669.7
1534 silt		9-14	"	"	
1535 silt	6°	6-10	"	5000	671.7
1536 sand		10-12	"	"	
1537 silt		12-14	"	"	
1538 sand	5-5	5-5 9-5 9-5 10-5		4980	672.6
1539 silt		10-5 - 12-5	"	"	
1540				4970 = Beach	
1541			3625	4970 = Beach	
1542 sand	6°	6-10	"	4980	672.3
1543 silt		10-14	"	"	
1544 silt	6°	6-10	"	5000	669.7
1545 sand		10-13	"	"	
1546 silt		13-14	"	"	
1547 sand	6°	6-10	"	5020	670.7
1548 silt		10-14	"	"	

Dec. 21-33 Gauge 6824

Sample	Water	Sampled	N	E	Orig. Gr.
1549 sand	5-5	5-5 9-5	3625	5040	673.6
1550 silt		9-5 - 12-5	"	"	
				5050 = Beach	
			3650	= Beach	
1651 sand	3.0	3-7 7-9	"	5040	674.3
1552 silt		9-11	"	"	
1553 sand	6°	6-10 10-11	"	5020	670.7
1554 silt		11-14	"	"	
1555 silt	6°	6-10	"	5000	669.4
1556 sand		10-12	"	"	
1557 silt		12-14	"	"	
1558 silt	6°	6-9	"	4980	671.1
1559 sand		9-12	"	"	
1560 silt		12-14			
1561 1562	3 duplicate samples			4965 = Beach	
1563			3675	4965 = Beach	
1564 sand	6°	6-5 9-5	"	4980	671.8
1565 silt		9-5 13-5	"	"	

Dec. 21-33 Gauge 682.4

Sample	Water d	Sample d	N	E	Orig Gr.
1566 silt	7=	7-9	3675	5000	671.3
1567 sand		9-11	"	"	
1568 silt		11-14	"	"	
1569 silt	7°	7-9	"	5020	672.1
1570 sand		9-11	"	"	
1571 silt		11-15	"	"	
1572 sand	6=	6-8⁵		5040	674.7
1573 silt		8⁵-13	"	"	
1574 sand		13-14	"	"	
				5055 - Beach	
1575			3700	5055 = Beach	
1575 sand	6=	6-9		5040	674.4
1576 silt		9-10-10½	"	"	
1577 sand		12-14	"	"	
1578 sand	7=	7-10⁵	"	5020	671.5
1579 silt		10⁵-15	"	"	
1580 silt	7°	7-9	"	5000	671.4
1581 sand		9-10⁵	"	"	
1582 silt		10⁵-15	"	"	

Dec. 21-33 Gauge 682.4 (25)

Sample	Water d	Sample d	N	E	Orig Gr.
1583 silt	7=	7-9	3700	4980	672.8
1584 sand		9-10	"	"	
1585 silt		11-15	"	"	
1586 sand	2⁵	2⁵-6⁵ 6-10=	"	4960	673.7
				4955 = Beach	
1587			3725	4965 = Beach	
1588 sand	6⁵	6⁵-9⁵	"	4980	672.5
1589 silt		9⁵-14⁵	"	"	
1590 sand	7⁵	7⁵-10⁵	"	5000	671.8
1591 silt		10⁵-15⁵	"	"	
1592 sand	7=	7-11	"	5020	671.8
1593 silt		11-15	"	"	
1594 sand	7=	7-9	"	5040	675.9
1595 silt		9-11			
1596 sand		11-14	"	"	"
				5055 = Beach	

Dec. 21-33 Gauge 682.4

Sample	Water d	Sample d	N	E	Orig. Gr
1597 sand	7°	7-11-15	3750	5040	676.5
1598 sand	7½	7½-9½	"	5020	672.3
1599 silt		9½-15½	"	"	
1600 sand	8°	8-11	"	5000	670.9
1601 silt		11-16	"	"	
1602 sand	7°	7-9	"	4980	672.3
1603 silt		9-15	"	"	
1604				4965 = Beach	
1605			3775	4970 = Beach	
1606 silt	7½	7½-11½		4980	673
			"		
1607 silt	8½	8½-9½	"	5000	672
1608 sand		9½-10½	"	"	
1609 silt		10½-16½	"	"	
1610 silt	8½	8½-12½	"	5020	672
"		12½-16½	"		
1611 silt	7½	7½-11½	"	5040	675
"		11½-15½			
			"	5070 = Beach	

Dec. 21-33 Gauge 682.4

Sample	Water d	Sample d	N	E	Orig. Gr
			3800	5060	= Beach
1612 sand	6°	6-10	"	5040	677.1
1613 silt		10-14	"	"	
1614 silt	8½	8½-12½	"	5020	673.1
"		12½-16	"	"	
1615 silt	8½	8½-12½	"	5000	672½
"		12½-16½	"	"	
1616 silt	7½	7½-11½	"	4980	673.7
"		11½-15½			
1617 sand		15½-16½			
1618				4960 = Beach	
1619			3825	4965 = Beach	
1620 sand	6°	6-7½	"	4980	674.2
1621 silt		7½-9½	"	"	
1622 sand		9½-10½	"	"	
1623 silt		10½-16½	"	"	
1624 silt	8°	8-12 12-16	"	5040	672.1
1625 silt	9°	9-13 13-16	"	5020	

Dec. 21-33 Gauge 682.1

Sample	Water d	Sample d	N	E	Orig. Gr.
1626 silt	6°	6°-8°	3825	5040	677.4
1627 sand		8°-10°	"	"	
1628 silt		10°-12°	"	"	
1629 sand		12°-13°	"	"	
1630 silt		13-14	"	"	
				5065 = Beach	

Dec. 22-33 Gauge 682.3

Sample	Water d	Sample d	N	E	Orig. Gr.
1641			3875	4960	
				4970 = Beach	
1642 sand	5°	5°-13°	"	4980	674.9
1643 silt	8°	8°-16°	"	5000	672.3
1644 silt	9°	9-15	"	5020	672.9
1645 silt	7°	7-12	"	5040	676.2
1646 sand		12-13	"	"	
1647 silt		13-15	"	"	
				5060	

Dec. 22-33 Gauge 682.3

Sample	Water d	Sample d	N	E	Orig. Gr.
			3850	5060 = Beach	
1631 silt	675.3 ✓ 7°	7-11	"	5040	675.3
1632 sand		11-12	"	"	
1633 silt		12-15	"	"	
1634 silt	673.3 ✓ 9°	9-17	"	5020	672.9
1635 silt	674.3 ✓ 8°	8-10	"	5000	672.5
1636 sand		10-11	"	"	
1637 silt		11-15	"	"	
1638 sand	676.8 ✓ 5°	5°-11°	"	4980	675.0
1639 silt		11°-13°	"	"	
1640			"	4970 = Beach	

Dec. 22-33 Gauge 682.3

Sample	Water d	Sample d	N	E	Orig. Gr.
	9 x 0	682.3			
			3900	5060	
1648 sand	5° ✓ 673	5-12	"	5040	676.8
1649 silt	8° 673.8 ✓	8°-16	"	5020	672.7
1650 silt	8° 674.3 ✓	8-10	"	5000	673.8
1651 sand		10°-11	"	"	
1652 silt		11-15	"	"	
1653 silt	5° 676.8 ✓	5°-7°	"	4980	675.7
1654 sand		7°-8°	"	"	
1655 silt		8°-11°	"	"	
1656 sand		11°-12°	"	"	
1657 silt		12°-13°	"	"	

Dec. 22-33 Gauge 682.3

Sample	Water d	Sample d	N	E	Orig. Gr
1658	2°	2-	3900	4960	= Beach sample
				4950	= Beach
				~~4955~~ 4955	= Beach
1659 sand	4°	4-8	3925	4960	
1660 silt	6°	6-12	"	4980	675.1
1661 sand		12-14	"	"	
1662 silt	8°	8-15	"	5000	672.5
1665 silt	8°	8-15	"	5020	673.1
1666 sand	5°	5°/13°	"	5040	675.8
				5055	= Beach

Dec. 22-33 Gauge 682.3 (28)

Sample	Water d	Sampled	N	E	Orig. Gr
1663 silt	673.8 8°	8°-12°	3950	5000	
"		12°-16	"	"	
1664 silt	674.3 8°	8-16	"	5020	673.1
1667 silt	676.3 6°	6-12	"	5040	675.8
1668 sand		12-14	"		
				5060	= Beach

no sounding diagram this section - Blocks

Finis! 1933!

Albert
ROG
Thurston
Harper
Moore

X Sections of Spillway Est. 20

Jan 2 - 1934

Elliott
Simpson
Soper
Remmen

B.M. 2.66 722.97 720.31

E 4980

Completed So. of N 4382

N4382	5.0	18.0
4405	1.8	21.2
4420	+5.1	28.1
on ½ to 1 to 0.6	+4.6	27.6

E 4960

on ½ to 1 to 0.6	+4.1	27.1
4418	+2.5	25.5
4382	3.3	19.7
4380	6.3	16.7

Completed So. of 4380

E 4940

Completed So. of 4377

4377	8.2	14.8
4389	1.4	21.6
4425	+2.6	25.6
on ½ to 1 to 0.6	+3.4	26.4

722.97

E 4920

on ½ to 1 to 0.6	+2.6	25.6
4395	+0.4	22.6
4385	7.7	15.3
4360	10.3	12.7
4320	13.2	09.8
4280	15.0	08.0
4222 on ½ to 1 to 770	18.3	04.7
T.P. 0.48	710.35 13.10	709.87

E 4900

4215 on ½ to 1 to 770	7.3	03.1
4260	5.1	05.3
4370	+0.4	10.8
4400	+14.0	24.4
on ½ to 1 to 0.6	+14.6	25.0

E 4880

on ½ to 1 to 0.6	+14.0	24.4
4405	+13.8	24.2
4370	2.8	07.6
4272	6.6	03.8
4270	5.2	05.2
4240	6.2	04.2
4220	8.7	01.7
4206 on ½ to 1 to 770	7.1	03.3

710.35 E 4860 ✓

½:1 to 770

4203	6.4	04.0
20	9.2	01.2
30	6.3	04.1
60	7.3	03.1
80	11.2	99.2
4360	8.7	01.7
75	6.2	04.2
4405	+13.4	23.8
on ½:1 to 0.6.	+13.4	23.8

E 4840 ✓

on ½:1 to 0.6.	+12.5	22.9
4407	+12.8	23.2
4395	+10.8	21.2
4380	10.9	99.5
4360	13.2	97.2
4290	16.5	93.9
4240	15.7	94.7
4230	8.5	01.9
4205	8.9	01.5
4180	+5.8	16.2

710.35 E 4820 ✓

on ½:1 to 0.6.	+12.0	22.4
4395	+11.9	22.3
T.P.	12.62	697.73
2.61	700.34	
4381	4.3	96.0
4360	5.4	94.9
4280	10.9	89.4
4260	8.9	91.4
710.35		
4235	7.7	02.7
4195	8.8	01.6
4180 on ½ to 1 to 0.6	3.1	07.3 ✓

E 4800

4164 on ½:1 to 0.6.	4.1	06.3
4222	6.4	04.0
700.34		
4240	9.5	90.8
4260	11.4	88.9
4330	11.1	89.2
4360	8.8	91.5
4385	7.1	93.2
4405	+21.8	22.1

700.34 E 4780 ✓

4388 on ½ to 1 to og. +		10.3	90.0
4360		11.6	88.7
4300		12.9	87.4
4260		10.6	89.7
4235		2.0	98.3
	710.35		
4239		5.2	052
4220		3.6	06.8
4134	on ½:1 to 0.6.	5.7	04.7

E 4760 ✓

	700.34		
4386	on ½ to 1 to 0.6.	7.9	92.4
4375		13.5	86.8
4310		12.7	87.6
4280		11.4	88.9
	710.35		
4255		1.4	09.0
4220		3.3	07.1
4125		6.9	03.5

700.34 E 4750 ✓

T.P. 1.70	689.65	12.39	687.95
4379 on ½ to 1 to 0.6.		1.1	88.5
4370		4.2	85.4
4330		4.3	85.3
4290		8.0	81.6
4260		7.4	82.2

Between E 4980 and E 5330 sections are same as Est. 19

E5340

B.M. 0.81	750.68	749.87
on ½ to 1 to O.G.	8.0	42.7
4406	8.6	42.1
4385	22.0	28.7
↓ completed to back of wier		

E5360

At ogee	19.3	31.4
4367	19.3	31.4
4392	7.3	43.4
4430	8.9	41.8
on ½ to 1 to O.G.	7.8	42.9

E5380

on ½ to 1 to O.G.	7.1	43.6
4414	10.7	40.0
4410	8.1	42.6
4377	4.5	46.2
at ogee	12.1	38.6

750.68

E5400

Crest of wier	0.7	50.0
4360	1.3	49.4
4388	3.8	46.9
4403	13.9	36.8
4420	13.0	37.7
4430	5.8	44.9
on ½ to 1 to O.G.	5.5	45.2

E5420

on ½ to 1 to O.G.	4.6	46.1
4427	5.1	45.6
4410	16.6	34.1
4390	17.0	33.7
4366	1.3	49.4
Crest of wier	0.7	50.0

E5440

4382 at ogee	17.7	33.0
4410	17.2	33.5
4422	3.9	46.8
on ½ to 1 to O.G.	3.6	47.1

750.68

E5460 ✓

On ½ to 1 to O.G.	2.7	48.0
4424	2.6	48.1
4403	17.4	33.3
4388 at ogee	16.9	33.8

E5480 ✓

4370	2.2	48.5
4377	11.5	39.2
4387	16.7	34.0
4411	17.2	33.5
4430	2.9	47.8
on ½ to 1 to O.G.	2.0	48.7

E5500 ✓

on ½ to 1 to O.G.	0.4	50.3
4365	1.4	49.3

From 5500 East same as previous sections.

Profile of core trench for Est. 20 Jan 2 - 1934

(33)

B.M.	3.64	769.64	766.00
4175 S = 0+00		19.8	49.8
0+19		13.8	55.8
0+20		10.2	59.4
0+36		4.7	64.9
0+40		19.6	50.0
0+417			706.0

Simpson – Rec. Jan. 11, 1934 Gauge 682.2

Sample #	Water Depth	Sample Depth	N.	E.	Original Ground
1712 Sand	6.0	6.0 - 9.0	3250	5040	673.7 (8.5)
1713 Silt	"	9.0 - 10.0	"	"	"
1714 Silt	8.0	8.0 - 16.0	"	5020	667.9 (14.3)
1715 Silt	12.5	12.5 - 16.5	"	5000	666 8 (15.4)
1716 Sand	9.5	9.5 - 13.0	"	4980	669.9 (12.3)
1717 Sand	6.0	6.0 - 10.0	"	4960	671.0 (11.2)
1718 Silt		10.0 - 13.0	"	"	"
1719 Silt	9.0	9.0 - 13.0	3300	5040	669.5 (12.5)
1720 Silt	10.0	10.0 - 16.0	"	5020	667.1 (15.1)
1721 Silt	9.0	9.0 - 13.0	"	5000	665.9 (16.3)
1722 Sand	"	13.0 - 15.0	"	"	"
		15.0 - 17.0 = Silt, No sample taken.			
1723 Silt	9.0	9.0 - 11.0	"	4980	668.7 (13.5)
1724 Sand	"	11.0 - 12.5	"	"	"
1725 Silt O.G.	"	12.5 - 13.5	"	"	"

Jan. 11, 1934 Gauge 682.2 (35)

Sample #	Water Depth	Sample Depth	N.	E.	Original Ground
1726 Sand	6.0	6.0 - 9.0	3300	4960	674.9 (7.5)
1727 Silt	"	9.0 - 10.0	"	"	"
1728 Silt	9.0	9.0 - 13.0	3350	5040	676.5 (5.7)
1729 Silt	11.0	11.0 - 15.0	"	5020	670.4 (11.8)
1730 Silt	7.0	7.0 - 14.0	"	5000	666.2 (16.0)
1731 Sand	"	14.0 - 15.0	"	"	"
		15.0 - 18.0 = Silt, No sample taken			
1732 Silt	7.0	7.0 - 11.0	"	4980	667.1 (15.0)
1733 Sand	"	11.0 - 13.0	"	"	"
1734 Silt	"	13.0 - 15.0	"	"	"
1735 Sand	6.0	6.0 - 9.0	"	4960	671.1 (11.1)
1736 Silt	"	9.0 - 11.0	"	"	"

Jan. 12, 1934 — Gauge 683.0

Sample #	Water Depth	Sample Depth	N.	E.	original Ground
1755 Sand	8.0	8.0 - 11.5	3500	5040	674.8 (8.0)
1756 Silt	9.0	9.0 - 13.0	"	5020	670.1 (13.0)
1757 Sand	"	13.0 - 15.0	"	"	"
1758 Silt	8.5	8.5 - 16.5	"	5000	666.5 (16.5)
1759 Silt	8.0	8.0 - 10.0	"	4980	670.3 (12.7)
1760 Sand	"	10.0 - 14.0	"	"	"
1761 Silt	"	14.0 - 16.0	"	"	"
1762 Sand	5.0	5.0 - 9.0	"	4960	676.4 (6.6)
Water Edge E 4945 ±					
1763 Sand	5.0	5.0 - 9.0	3550	5040	673.5 (9.5)
1764 Silt	"	9.0 - 13.0	"	"	"
1765 Silt	9.0	9.0 - 17.0	"	5020	669.2 (13.8)
1766 Silt	9.0	9.0 - 12.0	"	5000	668.5 (14.5)
1767 Sand	"	12.0 - 13.0	"	"	"
1768 Silt	"	13.0 - 17.0	"	"	"

Jan. 12, 1934 — Gauge 683.0

Sample #	Water Depth	Sample Depth	N.	E.	original Ground
1769 Sand	7.5	7.5 - 11.5	3550	4980	671.0 (12.0)
1770 Silt	"	11.5 - 15.5	"	"	"
1771 Sand	3.0	3.0 - 10.0	"	4960	675.1 (5.0)
1772 Silt	"	10.0 - 11.0	"	"	"
Water Edge E 4950 ±					
1773 Sand	7.0	7.0 - 11.0	3600	5040	671.5 (11.5)
1774 Silt	"	11.0 - 15.0	"	"	"
1775 Silt	10.5	10.5 - 12.5	"	5020	669.7 (13.3)
1776 Sand	"	12.5 - 14.5	"	"	"
1777 Silt	"	14.5 - 17.0	"	"	"
1778 Sand	10.5	10.5 - 15.5	"	5000	671.7 (11.3)
1779 Silt	"	15.5 - 17.5	"	"	"
1780 Sand	8.0	8.0 - 11.0	"	4980	672.6 (10.4)
1781 Silt	"	11.0 - 12.0	"	"	"
1782 Sand	1.0	1.0 - 9.0	"	4960	
Water Edge E 4950 ±					

Jan. 12, 1934 — Gauge 683.0

Sample #	Water Depth	Sample Depth	N.	E.	original Ground
1783 Sand	4.0	4.0 - 9.0	3650	5040	674.3 (8.7)
1784 Silt	"	9.0 - 11.0	"	"	"
1785 Sand	6.5	6.5 - 11.5	"	5020	670.7 (12.3)
1786 Silt	"	11.5 - 14.5	"	"	
1787 Silt?	8.5	8.5 - 12.5	"	5000	669.4 (13.6)
1788 Silt	"	12.5 - 16.5	"	"	
1789 Silt	6.5	6.5 - 10.5	"	4980	671.1 (12.0)
1790 Silt	"	10.5 - 13.5	"	"	"
No sample taken.					
Sand	1.0		"	4960	676.8
Water Edge 4950±					
1791 Sand	6.0	6.0 - 13.0	3750	5040	675.7 (7.2)
1792 Silt	10.5	10.5 - 14.5	"	5020	672.3 (10.7)
1793 Silt	11.5	11.5 - 15.5	"	5000	670.9 (12.1)
1794 Silt	12.0	12.0 - 16.0	"	4980	673.3 (9.7)
1795 Sand	5.0	5.0 - 9.0	"	4960	679.7 (3.3)
Water Edge E 4945					

Alberts
Harper
Brachman
Simpson Rec.

Jan. 19, 1934 — (37) Gauge - 683.0

Sample #	Water Depth	Sample Depth	N.	E.	original Ground 10/23/33
1796 Silt	6.0	6.0 - 10.0	3150	5003	672.5 (10.5)
1797 Silt	"	10.0 - 13.0	"	"	"
1798 Silt	6.5	6.5 - 8.5	"	5020	669.7 (13.3)
1799 Sand	"	8.5 - 10.5	"	"	"
1800 Silt	"	10.5 - 14.0	"	"	"
1801-1802-1803 = concrete samples.					
1804 Sand	3.0	3.0 - 7.0	"	5040	678.2 (5.0)
1805 Silt	6.0	6.0 - 7.0	3200	5040	672.7 (10.3)
1806 Sand	"	7.0 - 10.0	"	"	"
1807 Silt	11.5	11.5 - 13.0	"	5020	668.8 (14.2)
1808 Sand	"	13.0 - 15.0	"	"	"
1809 Silt	12.0	12.0 - 16.0	"	5000	667.3 (15.7)
1810 Silt	13.5	13.5 - 17.5	3250	5000	666.8 (16.2)
1811 Silt	12.5	12.5 - 16.5	"	5020	667.9 (15.1)
1812 Silt	11.5	11.5 - 15.5	"	5040	673.7 (9.3)

Jan. 19, 1934

Gauge 683.0

Sample#	Water Depth	Sample Depth	N.	E.	original Ground 10/23/33
1813 Silt	8.0	8.0-12.0	3280	5040	11.0 672.1
1814 Silt	9.0	9.0-17.0	"	5020	16.0 667.0
1815 Silt	9.0	9.0-13.0	"	5010	17.4 665.6
1816 Silt	10.0	10.0-14.0	"	5000	17.4 665.6

Jan. 20, 1934

Albert – Hill – Harper – Simpson (Rec.)

Gauge 683.0

1820 Silt	7.5	7.5-11.5	3475	5000	15.2 667.8
1821 Silt	"	11.5-15.5	"	"	"
1822 Silt	6.5	6.5-10.5	"	4980	12.5 670.5
1823 Silt	"	10.5-14.5	"	"	"
1824 Sand	3.5	3.5-7.0	"	4960	6.0 677.1
Beach E. 4945					
1825 Silt	8.0	8.0-12.0	"	5020	14.1 668.6
1826 Silt	"	12.0-16.0	"	"	"
1827 Sand	6.0	6.0-8.0	"	5040	8.7 674.3
1828 Silt	"	8.0-10.0	"	"	"
Beach E 5055					

Jan. 20, 1934

(38)

Gauge 683.0

Sample#	Water Depth	Sample Depth	N.	E.	original Ground 10/23/33
Beach			3425	5050	
1829 Sand	5.0	5.0-8.0	"	5040	8.0 675.0
1830 Silt	"	8.0-10.0	"	"	"
1831 Silt	8.0	8.0-16.0	"	5020	13.5 669.5
1832 Silt	8.5	8.5-13.5 14.5-16.0	"	5000	15.0 667.6
1833 Sand	"	13.5-14.5	"	"	"
1834 Silt	7.0	7.0-11.0	"	4980	14.1 668.9
1835 Sand	"	12.0-15.0 11.0-12.0	"	"	"
1836 Sand	7.0	7.0-11.0	3400	4980	13.2 669.7
1837 Silt	9.0	9.0-17.0	"	5000	16.3 666.6
1838 Silt	8.5	8.5-16.0	"	5020	13.6 669.4
1839 Silt	6.0	6.0-10.0	"	5040	8.0 675.0
Beach				5063	

Jan. 20, 1934 — Gauge - 683.0

Sample #	Water Depth	Sample Depth	N.	E.	Original Ground 10/23/33
1840 Silt	7.0	7.0 - 10.0	3370	4980	14.8 668.7
1841 Sand	"	10.0 - 11.0	"	"	"
1842 Silt	"	11.0 - 15.0	"	"	"
1843 Silt	8.0	8.0 - 12.0	"	5000	17.4 665.6
1844 Silt	"	12.0 - 16.0	"	"	"
1845 Silt	8.0	8.0 - 16.0	"	5020	14.4 668.6
1846 Silt	6.0	6.0 - 10.0	"	5040	9.5 673.5
Beach E 5070.					
No Sample # 1847					
1848 Silt	6.5	6.5 - 11.5	3340	4980	15.1 667.9
1849 Sand	"	11.5 - 12.5	"	"	"
1850 Silt	"	12.5 - 14.5	"	"	"
1851 Silt	8.0	8.0 - 15.0	"	5000	17.0 666.1
1852 Sand	"	15.0 - 16.0	"	"	"
1853 Silt	8.0	8.0 - 16.0	"	5020	15.1 667.9
1854 Silt	8.5	8.5 - 12.5	"	5040	9.1 673.9
Beach E 5068					

Albert-Converse-Hill. Mar. 2, 1934 Gauge 688.0
Simpson (Rec.)

Sample #	Water Depth	Sample Depth	North	East
2189	8.0	10.0-12.0	3850	4973
2190	9.0	9.0-11.0	3850	4980
2191	9.5	9.5-13.5	3850	5000
2192	9.0	9.0-13.0	3850	5020
2193	8.0	8.0-12.0	3850	5035
2194	8.5	8.5-12.5	3950	4973
2195	8.5	8.5-12.5	3950	4980
2196	"	12.5-16.5	"	"
2197	10.0	10.0-14.0	3950	5000
2198	"	14.0-18.0	"	"
2199	12.5	12.5-16.5	3950	5020
2200	9.5	9.5-13.5	3950	5035

Sample #	Water Depth	Sample Depth	North	East
2201	8.0	8.0-12.0	3750	4973
2202	"	12.0-16.0	"	"
2203	8.5	10.0-12.0	3750	4980
2204	"	13.0-14.0	"	"
2205	11.5	11.5-15.5	3750	5000
2206	"	15.5-19.5	"	"
2207	10.5	10.5-14.5	3750	5020
2208	9.0	9.0-13.0	3750	5035
2209	"	13.0-17.0	"	"
2210	8.5	8.5-12.5	3650	4973
2211	8.5	8.5-12.5	3650	4980
2212	"	12.5-16.5	"	"
2213	12.0	12.0-16.0	3650	5000
2214	"	16.0-20.0	"	"
2215	8.5	8.5-12.5	3650	5020
2216	"	12.5-16.5	"	"

Mar. 2, 1934. Gauge 688.0

Sample#	Water Depth	Sample Depth	North	East
2217	9.5	9.5 - 13.5	3650	5035
2218	"	13.0 - 14.5	"	"

X Sections of Spillway Exc. for Mo. estimate #25 May 31-1934

B.M.	9.21	733.33		724.12
T.P.			11.65	721.68
	4.61	726.29		

E 4980 is same as previous.

E 4960

4380	8.7	18.6
4391	8.3	18.0
4400	3.6	22.7

E 4940

4412	2.3	24.0
4408	7.1	17.2
4385	10.5	15.8
4377	10.5	15.8

E 4920

4375	13.0	13.3
80	12.9	13.4
4404	12.4	13.9
4410	2.0	24.3

E 4900

4420	1.9	24.4
08	4.2	22.1
4397	15.2	11.1
4375	15.9	10.4
4365	16.7	09.6

726.3

E 4880

4360	19.8	06.5
4370	17.0	09.3
4390	11.1	15.2
4406	1.5	24.8

E 4860 same as previous.

X Sections of Summit Pool July 13-1934

Converse
Elliott
Simpson
Remmen

Soundings Notes

Gauge 703.0

N3900

703.0

5075	+2.0	705.0
60	0.0	03.0
50	0.5	02.5
40	3.0	00.0
30	8.0	695.0
20	10.5	92.5
10	12.0	91.0
5000	13.0	90.0
4990	12.5	90.5
80	10.5	92.5
70	11.0	92.0
60	9.0	94.0
50	6.5	696.5
40	1.5	701.5
35	0.0	03.0
20	+1.3	04.3
10	+2.1	05.1
4890	+2.5	05.5

Gauge 703.0

N3800

703.0

4896	+3.0	706.0
4910	+2.5	05.5
50	0.0	703.0
60	2.0	701.0
70	6.0	697.0
80	8.5	94.5
90	9.5	93.5
5000	10.5	92.5
10	9.5	93.5
20	9.5	93.5
30	7.5	695.5
40	2.0	701.0
50	0.0	03.0
75	+1.5	04.5

July 13 – 1934

Gauge 703.0

N3700

703.0

4895	+4.8	707.8
4960	0.0	703.0
70	5.0	698.0
80	7.0	96.0
90	8.0	95.0
5000	6.5	96.5
10	6.5	96.5
20	6.5	96.5
30	9.0	94.0
40	5.0	698.0
50	0.0	703.0
94	+3.5	06.5

Gauge 703.0

N3600

703.0

4837	2.7	700.3
63	1.9	01.1
84	+3.7	06.7
96	+2.2	05.2
4955	0.0	03.0
60	1.5	701.5
70	6.0	697.0
80	8.0	95.0
90	7.0	96.0
5000	7.5	95.5
10	7.5	95.5
20	7.5	95.5
30	6.5	696.5
40	3.0	700.0
46	0.0	03.0
85	+2.8	05.8
95	+6.2	09.2
5124	+5.9	08.9

July 13 - 1934 Gauge 703.0

N3500

703.0

5078	+1.0	704.0
5058	0.0	03.0
50	0.5	702.5
40	3.5	699.5
30	7.5	95.5
20	6.5	96.5
10	7.5	95.5
5000	7.5	95.5
4990	8.0	95.0
80	8.5	94.5
70	7.0	96.0
60	3.5	699.5
50	0.5	702.5
42	0.0	03.0
4902	+2.5	05.5

Gauge 703.0 (15)

N3400

703.0

4890	+1.7	704.7
4910	+2.0	05.0
40	0.0	03.0
50	0.5	702.5
60	3.5	699.5
70	6.5	96.5
80	9.5	93.5
90	8.0	95.0
5000	8.5	94.5
10	7.5	95.5
20	5.0	98.0
30	8.0	95.0
40	4.0	699.0
50	0.5	702.5
57	0.0	03.0
88	+2.0	05.0

July 13 - 1934 Gauge 703.0

N3300

703.0

5101	+2.5	705.5
45	0.0	703.0
40	4.5	698.5
30	8.0	95.0
20	8.0	95.0
10	8.0	95.0
5000	9.0	94.0
4990	9.0	94.0
80	8.5	91.5
70	6.5	696.5
60	3.0	700.0
50	0.5	07.5
40	0.0	03.0
92	+2.0	05.0

Gauge 703.0 86

N3200

703.0

4890	+3.0	706.0
4945	0.0	03.0
50	0.5	07.5
60	2.0	701.0
70	4.5	698.5
80	6.0	97.0
90	5.5	97.5
5000	5.5	97.5
10	6.0	97.0
20	6.0	97.0
30	6.5	96.5
40	3.5	699.5
50	0.0	703.0
97	+3.0	06.0

X Sections of Summit Pool Aug. 9, 1934

Gauge 716.5

N 3900

E 5086	716.5	+2.9	19.4 ✓
45		0.0	16.5 ✓
40		0.5	16.0 ✓
30		4.5	12.0 ✓
20		5.5	11.0 ✓
10		6.0	10.5 ✓
5000		5.0	11.5 ✓
4990		4.5	12.0 ✓
80		6.5	10.0 ✓
70		3.0	13.5 ✓
60		0.0	16.5 ✓
4900		+1.7	18.2 ✓

Converse
Osborne
Salgado
Remmen

Sound Notes

N 3800

4903	716.5	+1.9	18.4 ✓
50		0.0	16.5 ✓
60		1.0	15.5 ✓
70		2.0	14.5 ✓
80		3.5	13.0 ✓
90		4.0	12.5 ✓
5000		6.0	10.5 ✓
10		4.0	12.5 ✓
20		3.5	13.0 ✓
30		2.0	14.5 ✓
35		0.0	16.5 ✓
84		+2.3	18.8 ✓

N 3700

716.5

4905	+2.3	718.8 ✓
60	0.0	16.5 ✓
70	1.5	15.0 ✓
80	3.5	13.0 ✓
90	3.5	13.0 ✓
5000	4.5	12.0 ✓
10	4.0	12.5 ✓
20	3.5	13.0 ✓
30	2.0	14.5 ✓
35	0.0	16.5 ✓
85	+2.8	19.3 ✓

N 3600

716.5

4836	16.5	700.0 ✓
4851	15.0	701.5 ✓
4864	7.7	708.8 ✓
4871	6.8	709.7 ✓
83	+1.3	717.8 ✓
4899	+1.5	18.0 ✓
4902	+2.4	18.9 ✓
60	0.0	16.5 ✓
70	1.5	15.0 ✓
80	3.0	13.5 ✓
90	3.5	13.0 ✓
5000	6.0	10.5 ✓
10	3.5	13.0 ✓
20	4.0	12.5 ✓
30	2.0	14.5 ✓
35	0.0	16.5 ✓
83	+2.8	19.3 ✓
5110	+2.7	719.2 ✓
5119	0.0	716.5 ✓
31	5.7	710.8 ✓

N 3500

716.5

4900	+2.6	719.1 ✓
60	0.0	16.5 ✓
70	2.5	14.0 ✓
80	3.0	13.5 ✓
90	3.5	13.0 ✓
5000	4.0	12.5 ✓
10	5.0	11.5 ✓
20	4.5	12.0 ✓
30	1.0	15.5 ✓
35	0.0	16.5 ✓
84	+ 2.6	19.1 ✓

N 3400

716.5

4900	+2.5	719.0 ✓
60	0.0	16.5 ✓
70	1.5	15.0 ✓
80	3.0	13.5 ✓
90	4.0	12.5 ✓
5000	5.0	11.5 ✓
10	2.5	14.0 ✓
20	2.0	14.5 ✓
30	1.5	15.0 ✓
35	0.0	16.5 ✓
85	+2.8	19.3 ✓

N 3300

716.5

4902	+2.7	719.2 ✓
67	0.0	16.5 ✓
80	3.5	13.0 ✓
90	4.0	12.5 ✓
5000	2.5	14.0 ✓
10	3.0	13.5 ✓
20	2.0	14.5 ✓
30	1.5	15.0 ✓
40	0.0	16.5 ✓
86	+2.5	19.0 ✓

N 3200

716.5

490.5	+2.7	719.2 ✓
60	0.0	16.5 ✓
70	2.5	14.0 ✓
80	4.0	12.5 ✓
90	5.0	11.5 ✓
5000	5.5	11.0 ✓
10	8.5	08.0 ✓
20	7.0	09.5 ✓
30	5.0	11.5 ✓
40	3.0	13.5 ✓
50	1.0	15.5 ✓
60	0.0	16.5 ✓
88	+1.0	17.5 ✓

IMPROVED TABLES
AND
INFORMATION

11.7

~~4.9~~

6.8

4.8