C & E
LEVEL BOOK
73 A

KEUFFEL & ESSER CO.
DRAWING MATERIALS
AND
SURVEYING INSTRUMENTS.
NEW YORK.
CHICAGO. ST. LOUIS. SAN FRANCISCO. MONTREAL.

TABLES FOR EXCAVATIONS AND EMBANKMENTS.

DISTANCES FROM CENTER OF ROADWAY FOR CROSS-SECTIONING.
ROADWAY 16 FEET WIDE. SIDE SLOPES 1 TO 1.
FOR SINGLE TRACK EXCAVATION.

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	0
1	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9	1
2	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9	2
3	12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.9	3
4	13.0	13.1	13.2	13.3	13.4	13.5	13.6	13.7	13.8	13.9	4
5	14.0	14.1	14.2	14.3	14.4	14.5	14.6	14.7	14.8	14.9	5
6	15.0	15.1	15.2	15.3	15.4	15.5	15.6	15.7	15.8	15.9	6
7	16.0	16.1	16.2	16.3	16.4	16.5	16.6	16.7	16.8	16.9	7
8	17.0	17.1	17.2	17.3	17.4	17.5	17.6	17.7	17.8	17.9	8
9	18.0	18.1	18.2	18.3	18.4	18.5	18.6	18.7	18.8	18.9	9
10	19.0	19.1	19.2	19.3	19.4	19.5	19.6	19.7	19.8	19.9	10
11	20.0	20.1	20.2	20.3	20.4	20.5	20.6	20.7	20.8	20.9	11
12	21.0	21.1	21.2	21.3	21.4	21.5	21.6	21.7	21.8	21.9	12
13	22.0	22.1	22.2	22.3	22.4	22.5	22.6	22.7	22.8	22.9	13
14	23.0	23.1	23.2	23.3	23.4	23.5	23.6	23.7	23.8	23.9	14
15	24.0	24.1	24.2	24.3	24.4	24.5	24.6	24.7	24.8	24.9	15
16	25.0	25.1	25.2	25.3	25.4	25.5	25.6	25.7	25.8	25.9	16
17	26.0	26.1	26.2	26.3	26.4	26.5	26.6	26.7	26.8	26.9	17
18	27.0	27.1	27.2	27.3	27.4	27.5	27.6	27.7	27.8	27.9	18
19	28.0	28.1	28.2	28.3	28.4	28.5	28.6	28.7	28.8	28.9	19
20	29.0	29.1	29.2	29.3	29.4	29.5	29.6	29.7	29.8	29.9	20
21	30.0	30.1	30.2	30.3	30.4	30.5	30.6	30.7	30.8	30.9	21
22	31.0	31.1	31.2	31.3	31.4	31.5	31.6	31.7	31.8	31.9	22
23	32.0	32.1	32.2	32.3	32.4	32.5	32.6	32.7	32.8	32.9	23
24	33.0	33.1	33.2	33.3	33.4	33.5	33.6	33.7	33.8	33.9	24
25	34.0	34.1	34.2	34.3	34.4	34.5	34.6	34.7	34.8	34.9	25
26	35.0	35.1	35.2	35.3	35.4	35.5	35.6	35.7	35.8	35.9	26
27	36.0	36.1	36.2	36.3	36.4	36.5	36.6	36.7	36.8	36.9	27
28	37.0	37.1	37.2	37.3	37.4	37.5	37.6	37.7	37.8	37.9	28
29	38.0	38.1	38.2	38.3	38.4	38.5	38.6	38.7	38.8	38.9	29
30	39.0	39.1	39.2	39.3	39.4	39.5	39.6	39.7	39.8	39.9	30
31	40.0	40.1	40.2	40.3	40.4	40.5	40.6	40.7	40.8	40.9	31
32	41.0	41.1	41.2	41.3	41.4	41.5	41.6	41.7	41.8	41.9	32
33	42.0	42.1	42.2	42.3	42.4	42.5	42.6	42.7	42.8	42.9	33
34	43.0	43.1	43.2	43.3	43.4	43.5	43.6	43.7	43.8	43.9	34
35	44.0	44.1	44.2	44.3	44.4	44.5	44.6	44.7	44.8	44.9	35
36	45.0	45.1	45.2	45.3	45.4	45.5	45.6	45.7	45.8	45.9	36

Calculated by Julion A. Hall, M. Am. Soc. C. E.

480 Index

1934.

Albert
Converse
Brachman
Loudon - Rec.

Puddle core sampling
1-22-34

Sample No	Water depth	Sample depth	North	East	Guage = 682 or. grd 10/24/33
1855	6.0	6.0	3500	4980	70.3
Silt		6-9			
Sand.		9-10			
Silt		10-11			
Sand		11-13			
Sand		13-14			
Silt		14-15			
1856	7.0		3500	4960	76.4
Silt.		7-11			
1857	7.0		3500	5020	70.1
Silt		7-11			
Silt		11-15			
	5.0		3500	5035	73.2
Silt - 1858		5-9.5			
Sand - 1859		9.5-11.5			
	6.0		3550	4980	71.0
Sand. - 1860		6-10			
	10.0		3550	5000	68.5
Silt - 1861		10-14			
					12.8
Silt - 1862	10.0	10-14	3550	5020	69.2
					8.5
Silt - 1863	6.0	6-10	3550	5040	73.5

Sample on 1' of sand.

Sample No	Water depth	Sample depth	North	East	6-682.0 orig. grd. 10/24/33
	8.0		3600	~~4980~~	9.6 72.6
Sand-1864		8-10			
Silt No Sample		10-12			
	14.0		3600	5000	10.3 71.7
Silt-1865		14-17			
	13.0		3600	5020	12.3 69.7
Silt-1866		13-17			
	11.0		3600	5040	10.5 71.5
Sand-1867		11-14			
Silt No Sample		14-15			
	11.0		3650	4980	10.9 71.1
Sand-1868		11-13			
Silt No Sample		13-15			
	16.0		3650	5000	12.6 69.4
Silt-1869		16-20			
	15.0		3650	5020	11.3 70.7
Silt-1870		15-19			
	8.0		3650	5040	8.7 73.3
Silt No Sample		8-9			
Sand-1871		9-10			
Silt. No Sample		10-12			

Sample No	Water depth	Sample depth	North	East	Gypsy 681.3 (21) orig. grd. 10/25/33
		Jan. 24, 1934 - P.M.			
		Albert, Hill, converse, Simpson (Rec.)			
1872 Silt	677.5 4.0	4.0 - 8.0	3800	4973	675.1
1873 Silt	676.5 5.0	5.0 - 9.0	3800	4980	7.8 673.7
1874 Silt	675.5 6.0	6.0 - 10.0	3800	5000	9.0 672.5
1875 Silt	676.5 5.0	5.0 - 9.0	3800	5020	8.5 673.1
1876 Silt	677.0 4.5	4.5 - 8.5	3800	5035	8.7 675.8
1877 Silt	5.0	5.0 - 9.0	3775	4973	6.5 675.0
1878 Sand	6.0	6.0 - 8.0 Silt no sample 8.0 - 9.0 9.0 - 10.0 Silt, no sample.	3775	4980	8.3 673.2
1879 Silt	7.0	7.0 - 11.0	3775	4990	9.0 672.5
1880 Silt	7.0	7.0 - 11.0	3775	5000	9.5 671.8

Jan. 24, 1934

Sample #	Water Depth	Sample Depth	North	East	Gauge 681.5 original Ground 10/23/33.
1881 silt	6.0	6.0 - 10.0	3775	5020	672.3
1882 silt	4.5	4.5 - 8.5	3775	5035	674.4
1883 silt	674.5 ✓ 7.0	7.0 - 11.0	3750	4973	674.6
1884 silt	674.5 ✓ 9.0	9.0 - 13.0	3750	4980	673.3
1885 silt	671.5 ✓ 10.0	10.0 - 14.0	3750	5000	670.9
1886 silt	673.0 ✓ 8.5	8.5 - 12.5	3750	5020	672.3
1887 sand	675.0 ✓ 6.5	6.5 - 7.5 silt, no sample 7.5 - 8.5 sand 8.5 - 10.5 silt, no sample	3750	5035	674.6
1888 silt	673.5 ✓ 8.0	8.0 - 12.0	3750	5027	673.0

1339713

Jan. 24, 1934

Gauge - 681.5 (3)

Sample #	Water Depth	Sample Depth	North	East	original Ground 10/23/33
1889 silt	7.0	7.0 - 11.0	3725	4973	673.7
1890 silt	8.0	8.0 - 12.0	3725	4980	672.3
1891 silt	12.0	12.0 - 16.0	3725	5000	671.8
1892 silt	13.0	13.0 - 17.0	3725	5020	672.1
1893 silt	8.0	8.0 - 12.0	3725	5035	674.9
1894 silt	669.5 12.0	12.0 - 16.0	3700	5035	673.8
1895 silt	667.5 14.0	14.0 - 18.0	3700	5020	671.5
1896 silt	669.5 12.0	12.0 - 16.0	3700	5000	671.4
1897 silt	675.0 6.5	6.5 - 10.5	3700	4980	672.8
1898 silt	676.0 ✓ 5.5	5.5 - 9.5	3700	4973	673.8

Jan. 24, 1934 — Gauge 681.5

Sample #	Water Depth	Sample Depth	North	East	original Ground 10/23/33
1899 silt	9.5	9.5-12.5	3675	4973	7.5 674.0
1900 silt	11.0	11.0-15.0	3675	4980	9.7 671.8
1901 silt	14.5	14.5-18.0	3675	5000	10.1 671.4
1902 silt	11.0	11.0-15.0	3675	5020	9.4 672.1
1903 sand	8.0	8.0-10.5	3675	5035	7.7 673.8
1904 silt	11.0	11.0-15.0	3675	5028	8.7 672.8
				end Jan. 24, 1934	

1339713

Albert - Converse Hill - Simpson (Sec.)

Jan. 25, 1934 — ④ Gauge 681.0

Sample #	Water Depth	Sample Depth	North	East	original Ground 10/23/33.
1905 silt	671.0 10.0	10.0-14.0	3650	4973	8.2 672.8
1906 silt	670.0 ✓ 11.0	11.0-14.0	3650	4980	10.0 671.1
1907 silt	667.5 ✓ 13.5	13.5-17.5	3650	5000	11.6 669.4
1908 silt	668.5 ✓ 12.5	12.5-16.5	3650	5020	10.3 670.7
1909 sand	671.0 ✓ 7.0	7.0-11.0	3650	5035	7.6 673.4
1910 silt	670.0 ✓ 11.0	11.0-14.0	3650	5028	9.0 672.0
1911 sand	676.0 ✓ 5.0	5.0-9.0	3625	4973	8.1 672.9
1912 silt	673.5 ✓ 7.5	7.5-11.5	3625	4980	8.7 672.3
1913 silt	669.5 11.5	11.5-15.5	3625	5000	11.2 669.8

Jan. 25, 1934 — Gauge 681.0

Sample #	Water Depth	Sample Depth	North	East	original Ground 10/23/32
1914 Silt	670.5 / 10.5	10.5 - 14.5	3625	5020	10.3 / 670.7
1915 Silt	670.5 / 10.5	10.5 - 14.5	3625	5035	8.1 / 672.9
1916 Silt	671.0 / 10.0	10.0 - 14.0	3600	5035	9.5 / 671.5
1917 Silt	669.5 / 11.5	11.5 - 15.5	3600	5020	11.3 / 669.7
1918 Silt	668.0 / 13.0	13.0 - 17.0	3600	5000	9.3 / 671.7
1919 Silt	671.0 / 10.0	10.0 - 14.0	3600	4980	8.4 / 672.6
1920 Sand	676.0 / 5.0	5.0 - 9.0	3600	4973	6.4 / 674.6
1921-22-23-24, concrete samples.					
1925 Sand	8.5	8.5 - 12.5	3575	5035	8.6 / 672.4
1926 Silt	10.0	10.0 - 14.0	3575	5028	9.6 / 671.4

133/713

Jan. 25, 1934 — Gauge 681.0 (5)

Sample #	Water Depth	Sample Depth	North	East	original Ground 10/23/33
1927 Silt	11.0	11.0 - 14.0	3575	5020	11.2 / 669.8
1928 Silt	11.0	11.0 - 15.0	3575	5000	11.6 / 669.4
1929 Silt	10.0	10.0 - 14.0	3575	4980	9.0 / 672.0
1930 Silt	9.0	9.0 - 13.0	3575	4973	8.2 / 672.8
1931 Silt	4.5	4.5 - 8.5	3550	5035	8.5 / 672.5
1932 Silt	9.0	9.0 - 13.0	3550	5020	11.8 / 669.2
1933 Silt	11.5	11.5 - 15.5	3550	5000	12.5 / 668.5
1934 Sand	11.0	11.0 - 15.0	3550	4980	10 / 671.0
1935 Sand	10.0	10.0 - 14.0	3550	4973	8.0 / 673.0
1936 Sand	11.5	11.5 - 15.5	3550	4990	10.5 / 670.5

Albert, Converse Hill, Simpson (Rec.) Jan. 26, 1934. Gauge 681.0

Sample #	Water Depth	Sample Depth	North	East	original Ground 10/23/33
1931 silt	5.0	5.0-9.0	3550	5035	8.5 672.5
1932 silt	9.0 (72.0)	9.0-13.0	3550	5020	11.8 669.2
1933 silt	11.0	11.0-18.0	3550	5000	12.5 668.5
1934 silt	10.0	10.0-17.0	3550	4980	10.0 671.0
1935 Sand	9.5	9.5-13.5	3550	4973	8.0 673.0
1936 silt	10.5	10.5-17.5	3550	4990	10.5 670.5
1937 silt	9.5	9.5-13.5	3525	5035	8.9 672.1
1938 silt	11.0	11.0-17.0	3525	5020	12.1 668.9
1939 silt	10.5	10.5-16.0	3525	5000	13.7 667.3

1839713

Jan. 26, 1934. Gauge 681.0 (6)

Sample #	Water Depth	Sample Depth	North	East	original Ground 10/23/33.
1940 silt	10.0	10.0-13.0	3525	4980	9.5 671.5
		13.0-14.0 in original - no sample.			
1941 silt	9.5	9.5-12.5	3525	4973	8.6 672.4
		12.5-13.5 in orig. Ground, no sample			
1942 silt	5.0	5.0-9.0	3500	5035	7.8 673.2
1943 silt	6.0	6.0-14.0	3500	5020	11.0 670.1
1944 Sand	10.0	10.5-11.0	3500	5000	14.5 666.5
		11.0-14.0 in orig. Ground, no sample			
1945 silt	8.5	8.5-12.5	3500	5010	13.0 668.1
1946 silt	10.0	10.0-15.0	3500	4990	12.7 668.3
		15.0-18.0 in orig. G., no. sample			
1947 silt	10.0	10.0-14.0	3500	4980	10.7 670.3
1948 silt	9.0	9.0-12.0	3500	4973	8.7 672.3
		12.0-13.0 in orig. Gr., no sample			

Albert – Hill
Converse – Brachman.
Simpson (Rec.)

Jan. 27, 1934

Gauge – 681.0

Sample #	Water Depth	Sample Depth	North	East	original Ground 10/23/33.
1949 Silt	7.5	7.5 – 15.0	3475	5035	672.8 (8.2)
		15.0 – 15.5 in orig. Gr., no sample.			
1950 Silt	10.5	10.5 – 13.0	3475	5020	668.6 (12.4)
		13.0 – 14.5 in orig. Gr., no sample.			
1951 Silt	10.0	10.0 – 16.0	3475	5000	667.8 (13.2)
		16.0 – 18.0 in orig. Gr., no sample.			
1952 Silt	9.0	9.0 – 12.0	3475	4980	670.5 (10.5)
		12.0 – 13.0 in orig. Gr., no sample			
1953 Silt	9.5	9.5 – 11.0	3475	4973	672.2 (8.8)
		11.0 – 13.5 in orig. Gr., no sample			
	676.5 ✓	4.5 – 7.5 silt, no sample			
1954 Sand	4.5	7.5 – 8.5	3450	5035	672.1 (9.0)
		8.5 – 9.5 in orig. Gr., no sample			
	675.0 ✓				
1955 Silt	6.0	6.0 – 9.0	3450	5028	670.3
		9.0 – 10.0 in orig. Gr., no sample			
	672.5 ✓				
1956 Silt	8.5	8.5 – 11.5	3450	5020	669.8 (11.2)
		11.5 – 12.5 in orig. Gr., no sample.			
	670.0 ✓				
1957 Silt	11.0	11.0 – 17.0	3450	5000	666.5 (14.5)
		17.0 – 19.0 in orig. Gr., no sample			

1339713

Jan. 27, 1934

Gauge 681.0

(7)

Sample #	Water Depth	Sample Depth	North	East	original Ground 10/23/33
	671.0 ✓	10.0 – 13.0 Silt, no sample			
1958 Sand	10.0	13.0 – 14.0	3450	4980	669.8 (11.2)
	670.5 ✓				
1959 Silt	10.5	10.5 – 16.0	3450	4990	668.7 (12.3)
		16.0 – 18.5 in orig. Gr., no sample.			
	671.5 ✓				
1960 Sand	9.5	9.5 – 12.0	3450	4973.	671.5. (9.5)
1961 Silt	5.0	5.0 – 6.0	3425	5035	673.4 (7.6)
		6.0 – 9.0 in orig. Gr. no sample			
1962 Silt	9.0	9.0 – 10.0	3425	5020	669.5 (11.5)
		10.0 – 13.0 in orig. Gr., no sample			
1963 Silt	11.5	11.5 – 13.5	3425	5000	667.6 (13.4)
		13.5 – 15.5 in orig. Gr., no sample			
1964 Silt	11.5	11.5 – 12.0	3425	4980	668.9 (11.1)
		12.0 – 15.5 in orig. Gr., no sample			
1965 Silt	9.5	9.5 – 10.5	3425	4973	671.0 (10.0)
		10.5 – 13.5 in orig. Gr., no sample.			

Albert - Converse Hill - Simpson (Rec.) Jan. 29, 1934 Gauge 680.5

Sample #	Water Depth	Sample Depth	North	East	original Ground 10/23/33.
1966 Silt	675.5 ✓ 5.0	5.0 - 6.5	3400	5035	673.6 (6.9)
		6.5 - 9.0 in orig. Gr., no sample			
1967 Silt	670.0 ✓ 10.5	10.5 - 14.0	340.0	5020	669.4 (11.1)
1968 Silt	671.0 ✓ 9.5	9.5 - 15.0	3400	5000	666.6 (13.7)
		15.0 - 17.5 in orig. Gr., no sample.			
1969 Silt	672.0 ✓ 8.5	8.5 - 12.0	3400	4980	669.7 (10.8)
		12.0 - 12.5 in orig. Gr., no sample			
1970 Silt	673.0 ✓ 7.5	7.5 - 9.0	3400	4973	672.1 (8.0)
		9.0 - 11.0 in orig. Gr., no sample			
1971 Silt	676.5 ✓ 4.0	4.0 - 8.0	3375	5035	672.5 (8.0)
1972 Silt	672.5 ✓ 8.0	8.0 - 12.0	3375	5020	668.8 (11.7)
1973 Silt	671.5 ✓ 9.0	9.0 - 14.0	3375	5000	665.9 (14.6)
		14.0 - 17.0 in orig. Gr., no sample.			
1974 Silt	672.5 8.0	8.0 - 13.0	3375	4980	669.1 (11.4)
		13.0 - 16.0 in orig. Gr., no sample			

1339713

Jan. 29, 1934 Gauge 680.5 (8)

Sample #	Water Depth	Sample Depth	North	East	original Ground 10/23/33
1975 Silt	674.0 ✓ 6.5	6.5 - 10.5	3375	4973	671.4 (9.1)
		10.5 - 14.5 in orig. Gr., no sample.			
1976 Silt	674.5 ✓ 6.0	6.0 - 10.0	3350	5035	675.0 (5.5)
1977 Silt	671.0 ✓ 8.5	8.5 - 12.5	3350	5020	670.4 (10.0)
1978 Silt	671.0 ✓ 9.5	9.5 - 13.5	3350	5000	666.2 (14.3)
		13.5 - 16.5 in orig. Gr. no sample.			
1979 Silt	672.0 ✓ 8.5	8.5 - 12.5	3350	4980	667.1 (13.4)
		12.5 - 16.5 in orig. Gr., no sample.			
1980 Silt	674.5 ✓ 8.0	8.0 - 10.0	3350	4973	668.0 (12.5)
		10.0 - 14.0 in orig. Gr., no Sample.			
1981 Silt	674.5 ✓ 6.0	6.0 - 8.5	3325	5035	671.9 (8.6)
		8.5 - 10.0 in orig. Gr., no sample			
1982 Silt	672.5 ✓ 8.0	8.0 - 12.0	3325	5020	667.6 (12.9)
		12.0 - 16.0 in orig. Gr. no sample			
1983 Silt	670.5 ✓ 10.0	10.0 - 13.5	3325	5000	665.6 (14.9)
		13.5 - 17.0 in orig. Gr., no sample.			

Jan. 29, 1934 — Gauge 680.5

Sample #	Water Depth	Sample Depth	North	East	original Sound 10/23/33.
1984 Silt	669.5 11.0	11.0 - 13.5	3325	4980	12.2 668.3
		13.5 - 15.0 in orig. Gr., no Sample			
1985 Silt	670.5 10.0	10.0 - 13.0	3325	4973	10.2 670.3
		13.0 - 14.0 in orig. Gr., no sample.			
1986 Silt	675.0 5.5	5.5 - 11.5	3300	5035	10.8 669.7
		11.5 - 13.5 in orig. Gr., no Sample			
1987 Silt	673.5 8.0	8.0 - 12.0	3300	5020	13.4 667.1
		12.0 - 16.0 in orig. Gr., no Sample.			
1988 Silt	671.0 9.5	9.5 - 14.0	3300	5000	14.6 665.9
		14.0 - 17.0 in orig. Gr., no Sample			
1989 Silt	671.0 9.5	9.5 - 14.0	3300	4980	11.8 668.7
		14.0 - 16.5 in orig. Gr., no Sample.			
1990 Silt	671.5 9.0	9.0 - 10.0	3300	4973	9.7 670.8
		10.0 - 13.0 in orig. Gr., no sample.			
1991 Silt	674.0 6.0	6.0 - 10.0	3275	5035	9.6 670.9
1992 Silt	668.5 12.0	12.0 - 15.0	3275	5020	12.9 667.6
		0.6.			

Jan. 29, 1934 — Gauge 680.5 (9)

Sample #	Water Depth	Sample Depth	North	East	original Ground 10/23/33
1993 Silt	669.0 11.5	11.5 - 16.5	3275	5000	14.5 666.0
		16.5 - 18.5 in orig. Gr., no Sample.			
1994 Silt	669.0 11.5	11.5 - 14.5	3275	4980	12.8 667.7
		14.5 - 15.5 in orig. Gr., no sample			
1995 Silt	669.5 11.0	11.0 - 15.0	3275	4973	10.5 670.0
Albert - Converse -	Hill Simpson (Rec.)				

Jan. 30, 1934 — Gauge 680.0

Sample #	Water Depth	Sample Depth	North	East	original Ground 10/23/33
1996 Silt	675.5 4.5	4.5 - 7.0	3250	5035	8.0 672.0
		7.0 - 8.5 in orig. Gr., no sample			
1997 Silt	673.0 7.0	7.0 - 11.5	3250	5020	12.1 667.9
		11.5 - 15.0 in orig. Gr., no sample.			
1998 Silt	669.0 12.0	12.0 - 15.0	3250	5000	13.2 666.8
		15.0 - 16.0 in orig. Gr. no sample			
1999 Sand	669.0 11.0	11.0 - 13.0 Silt., no sample			
		13.0 - 14.0	3250	4980	10.1 669.9
		14.0 - 17.0 Silt no sample			
2000 Silt	667.0 13.0	13.0 - 16.0	3250	4990	12.1 667.9
		16.0 - 17.0 in orig. Gr., no sample			
2001 Silt	669.5 10.5	10.5 - 13.5	3250	4973	10.8 669.2
		13.5 - 14.5 in orig. Gr., no sample			

Jan. 30, 1934 — Gauge 680.0

Sample #	Water Depth	Sample Depth	North	East	original ground 10/23/33
2002 Silt	7.5	7.5 - 11.5	3225	5035	670.8
2003 Silt	8.5	8.5 - 12.5	3220	5020	667.9
2004 Sand	"	12.5 - 16.5	"	"	"
	10.0		"	5010	665.7

Albert - Converse Hill - Simpson (Reel) — Feb. 1, 1934 — Gauge 680.0 — (10)

Sample #	Water Depth	Sample Depth	North	East	original ground 10/23/33
2002	3.5	3.5 - 7.0	3500	5035	673.2
2003	5.0	5.0 - 9.0	"	5020	670.1
2004	"	9.0 - 13.0	"	"	"
2005	8.0	8.0 - 12.0	"	5000	666.5
2006	"	12.0 - 16.0	"	"	"
2007	8 - 9	out			
2010	8.0	8.0 - 12.0	"	4980	670.3
2011	7.0	7.0 - 9.0 9.0 - 11.0	" in orig. gr, no sample.	4973	672.3
2012	7.0	7.0 - 11.0	3525	5035	672.1
2013	9.0	9.0 - 12.0 12.0 - 13.0	" in orig. gr. no sample.	5020	668.9
2014	8.5	8.5 - 12.5	"	5000	667.3

Feb. 1, 1934 — Gauge 680.0

Sample #	Water Depth	Sample Depth	North	East	original ground 10/23/33
2015	7.5	7.5 - 12.5	3525	4980	671.5 (8.5)
2016	7.0	7.0 - 11.5	"	4973	672.4 (7.6)
2017	4.0	4.0 - 7.0	3550	5035	672.5 (7.5)
		7.0 - 8.0 in orig. Gr. no Sample			
2018	8.0	8.0 - 10.0	3550	5020	669.2 (10.8)
		10.0 - 12.0 in orig Gr. no Sample			
2019	8.5	8.5 - 12.5	3550	5000	668.5 (11.5)
2020	"	12.5 - 15.0	"	"	"
		15.0 - 16.5 in orig. Gr, no sample.			
2021	8.0	8.0 - 12.0	3550	4990	670.5 (9.5)
2022	"	12.0 - 16.0	"	"	"
		16.0 - 17.0 in orig. Gr, no Sample			
2023	7.0	7.0 - 11.0	3550	4980	671.0 (9.0)
2024	"	11.0 - 16.0	"	"	"
		16.0 - 18.0 - in orig. Gr. no sample			
2025	6.0	6.0 - 13.0	3550	4973	673.0
		13.0 - 14.0 - in orig. Gr, no Sample			

Feb. 1, 1934 — Gauge 680.0

Sample #	Water Depth	Sample Depth	North	East	original ground 10/23/33
2026	7.0	7.0 - 12.5	3575	5035	672.4 (7.6)
		12.5 - 15.0 in orig. Gr, no sample			
2027	8.0	8.0 - 13.0	3575	5028	671.4 (8.6)
		13.0 - 15.0 in orig. Gr. no Sample			
2028	9.0	9.0 - 14.5	3575	5020	669.8 (10.2)
		14.5 - 15.0 in orig. Gr. no sample			
2029	9.0	9.0 - 15.5	3575	5000	669.4 (10.6)
		15.5 - 17.0 in orig. Gr., no sample			
2030	7.0	7.0 - 12.5	3575	4980	672.0 (8.0)
		12.5 - 15.0 in orig. Gr, no sample			
2031	6.5	6.5 - 10.5	3575	4973	672.8 (7.2)
		10.5 - 14.5 in orig. Gr., no sample			

Albert – Converse
Hill – Simpson (Rec)

Feb. 3, 1934 — Gauge-681.0

Sample #	Water Depth	Sample Depth	North	East	original Ground 10/23/33
	675.0 ✓				
2032	6.0	6.0 - 10.0	3500	5035	673.2 (7.8)
		10.0 - 12.0	in orig. Gr.	no sample	
	670.0 ✓				
2033	11.0	11.0 - 14.0	3500	5020	670.1 (10.9)
		14.0 - 17.0	in orig. Gr., no sample		
	669.0 ✓				
2034	12.0	12.0 - 14.0	3500	5010	668.1 (12.9)
		14.0 - 16.0	in orig. Gr., no sample		
	669.0 ✓				
2035	12.0	12.0 - 14.0	3500	5000	666.5 (14.5)
		14.0 - 16.0	in orig. Gr., no sample.		
	669.5 ✓				
2036	11.5	11.5 - 15.5	3500	4980	670.3 (10.7)
		15.5 - 17.0	in orig. Gr., no sample		
	670.0 ✓				
2037	11.0	11.0 - 12.5	3500	4973	672.3 (8.7)
		12.5 - 14.5	in orig. Gr. no sample		
	671.0 ✓				
2038	10.0	10.0 - 14.0	3525	5035	672.1 (8.9)
	667.0 ✓				
2039	14.0	14.0 - 16.5	3525	5020	668.9 (12.1)
		16.5 - 18.0	in orig. Gr., no sample		
	667.5 ✓				
2040	13.5	13.5 - 16.5	3525	5000	667.3 (13.7)
		16.5 - 17.5	in orig. Gr., no sample		

Feb. 3, 1934 — Gauge - 681.0 (12)

Sample #	Water Depth	Sample Depth	North	East	original Ground 10/23/33
	666.5 ✓				
2041	14.5	14.5 - 16.5	3525	4980	671.5 (9.5)
		16.5 - 17.5	in orig. Gr.	no sample.	
	669.0 ✓				
2042	12.0	12.0 - 14.0	3525	4973	672.4 (8.6)
		14.0 - 16.0	in orig. Gr., no sample		
	674.0 ✓				
2043	7.0	7.0 - 8.0	3550	5035	672.5 (8.5)
		8.0 - 11.0	in orig. Gr., no sample		
	671.0 ✓				
2044	10.0	10.0 - 14.0	3550	5028	670.8 (10.2)
	670.0 ✓				
2045	11.0	11.0 - 14.0	3550	5020	669.2 (11.8)
	665.5 ✓				
2046	16.5	16.5 - 17.5	3550	5000	668.5 (12.5)
		17.5 - 20.5	in orig. Gr., no sample.		
	668.0 ✓				
2047	13.0	13.0 - 15.5	3550	4980	671.0 (10.0)
		in very Hard Material			
	669.0 ✓				
2048	12.0	12.0 - 15.0	3550	4973	673.0 (8.0)

Feb. 3, 1934 — Gauge -681.0

Sample #	Water Depth	Sample Depth	North	East	original Ground 10/23/33
2049	670.8 ✓ 10.5	10.5 - 13.5 13.5 - 14.5 in orig. Gr., no sample	3575	5035	672.4 (8.6)
2050	666.0 ✓ 15.0	15.0 - 18.0 orig. Gr.	3575	5020	669.8 (12.2)
2051	667.0 ✓ 14.0	14.0 - 15.5 15.5 - 17.0 in orig. Gr., no sample	3575	5000	669.4 (11.6)
2052	669.0 ✓ 12.0	12.0 - 17.0 17.0 - 19.5 - in orig. Gr., no sample.	3575	4980	672.0 (9.0)
2053	670.0 ✓ 11.0	11.0 - 14.0 14.0 - 15.0 in orig. Gr., no sample.	3575	4973	672.8
2054	668.0 ✓ 13.0	13.0 - 15.0 15.0 - 17.0 in orig. Gr., no sample	3225	5035	670.8 (10.-)
2055	663.0 ✓ 18.0	18.0 - 19.0	3225	5020	667.9 (13.1)
2056	667.5 13.5	13.5 - 16.5 16.5 - 17.5 in orig. Gr., no sample	3225	5010	665.7 (15.3)
2057	766.0 15.0	15.0 - 16.5 16.5 - 19.0 in orig. Gr., no sample	3225	5000	665.4 (15.6)

Feb. 3, 1934 — Gauge -681.0 (13)

Sample #	Water Depth	Sample Depth	North	East	original Ground 10/23/33
	Too Deep to Sample		3225	4980	666.5 (14.5)
2058	667.0 ✓ 14.0	14.0 - 16.0 16.0 - 18.0 in orig. Gr., no sample.	3225	4973	667.5 (13.5)

Albert-Converse Hill - Simpson (Rec.) — Feb. 5, 1934. — Gauge-682.0

Sample#	Water Depth	Sample Depth	North	East	Original Ground 10/23/33.
2059	670.0 ✓ 12.0	12.0 - 15.0 15.0 - 16.0 in orig. Gr., no sample.	3225	5035	16.2 670.8
2060	664.0 ✓ 18.0	18.0 - 19.0	3225	5020	14.1 667.9
2061	667.0 ✓ 15.0	15.0 - 17.5	3225	5000	16.6 665.4
2062	662.5 ✓ 19.5	19.5 - 22.0	3225	4980	15.5 666.5
2063 out.					
2064	666.5 ✓ 16.5	16.5 - 17.0 17.0 - 19.5 in orig. Gr., no sample.	3225	4973	14.2 667.5
2065	669.5 ✓ 12.5	12.5 - 13.5 13.5 - 16.5 in orig. Gr., no sample	3200	5035	17.0 671.0
2066	664.5 ✓ 17.5	17.5 - 19.0 19.0 - 20.0 in orig., no sample.	3200	5020	13.2 668.8
2067	666.5 ✓ 15.5	15.5 - 17.5 17.5 - 19.5 in orig. no sample	3200	5000	14.7 667.3
2068	666.0 ✓ 16.0	16.0 - 19.5 19.5 - 20.0 in orig. Gr., no sample	3200	4989	16.7 666.7
2069	666.5 ✓ 15.5	15.5 - 18.5 18.5 - 19.5 in orig. Gr., no sample	3200	4973	15.7 666.4

Feb. 5, 1934 — Gauge-682.0

Sample#	Water Depth	Sample Depth	North	East	Original Ground 10/23/33.
2070-71-72 out.	669.0 ✓				
2073	13.0	13.0 - 14.5 14.5 - 17.0 in orig. Gr., no sample.	3175	5035	16.8 671.2
2074	665.5 ✓ 16.5	16.5 - 19.5	3175	5020	13.0 669.0
2075	672.0 ✓ 8.0	8.0 - 12.0 in orig. Gr.,	3175	5000	13.3 668.7
3076	671.0 ✓ 11.0	11.0 - 13.0 13.0 - 15.0 in orig. Gr., no sample.	3175	4980	13.8 668.2
2077	671.5 ✓ 10.5	10.5 - 13.0 13.0 - 14.5 in orig. Gr., no sample.	3175	4973	13.0 669.0
2078	676.5 ✓ 5.5	5.5 - 9.5	3150	4990	10.3 671.7
2079	677.0 ✓ 5.0	5.0 - 9.0	3150	5003	9.5 672.5
2080	675.0 ✓ 7.0	7.0 - 11.0	3150	5020	12.3 669.7
2081	676.0 ✓ 6.0	6.0 - 8.0	3150	5035	6.3 675.7

Feb. 16, 1934 Water Depth

6844

N 3900

4882	same		86.2
4955		0.0	84.4
60		1.0	83.4
70		4.7	79.7
80		5.7	78.7
90		7.4	77.0
5000		7.5	76.9
10		8.5	75.9
20		7.5	76.9
30		7.0	77.4
40		6.0	78.4
50		2.4	82.0
57		0.0	84.4
85		+ 0.7	85.1

6844

N 3800

(5)

4900	+ 2.4	86.8
55	0.0	84.4
60	2.8	81.6
70	5.3	79.1
80	6.0	78.4
90	6.8	77.6
5000	7.3	77.1
10	8.6	75.8
20	7.4	77.0
30	6.8	77.6
40	5.7	78.7
50	1.6	82.8
55	0.0	84.4
85	+ 0.4	84.8

6844

N3700

4894		+ 1.5	85.9
4950		0.0	84.4
60		3.8	80.6
70		6.7	77.7
80		8.8	75.6
90		10.3	74.1
5000		11.0	73.4
10		11.5	72.9
20		11.0	73.4
30		10.5	73.9
40		9.4	75.0
50		4.3	80.1
60		0.0	84.3
86		+ 0.4	84.8

6844

N3600

4894		+ 1.3	85.7
4945		0.0	84.4
50		1.3	83.1
60		5.4	79.0
70		6.6	77.8
80		10.4	74.0
90		10.8	73.6
5000		10.7	73.7
10		10.2	74.2
20		10.3	74.1
30		9.0	75.4
40		8.0	76.4
50		4.0	80.4
60		0.0	84.4
88		+ 0.5	84.9

684.4

N 3500

4892		+1.4	85.8	✓
4945		0.0	84.4	✓
50		2.5	81.9	✓
60		7.0	77.4	✓
70		7.9	76.5	✓
80		9.6	74.8	✓
90		11.3	73.1	✓
5000		13.0	71.4	✓
10		13.0	71.4	✓
20		11.0	73.4	✓
30		9.3	75.1	✓
40		6.3	78.1	✓
50		4.3	80.1	✓
57		0.0	84.4	✓
90		+1.0	85.4	✓

684.4

N 3400

4890		+1.0	85.4	✓
4950		0.0	84.4	✓
60		4.0	80.4	✓
70		8.4	76.0	✓
80		10.8	73.6	✓
90		11.8	72.6	✓
5000		12.5	71.9	✓
10		12.5	71.9	✓
20		11.5	72.9	✓
30		9.8	74.6	✓
40		7.4	77.0	✓
50		4.9	79.5	✓
60		1.0	83.4	✓
70		0.2	84.2	✓
92		0.0	84.4	✓

684.4

N 3300

4890			+0.4	84.8 ✓
4930			0.0	84.4 ✓
40			1.5	82.9 ✓
50			5.4	79.0 ✓
60			9.0	75.4 ✓
70			11.1	73.3 ✓
80			12.3	72.1 ✓
90			12.5	71.9 ✓
5000			13.5	70.9 ✓
10			13.2	71.2 ✓
20			12.0	72.4 ✓
30			10.4	74.0 ✓
40			9.5	74.9 ✓
50			6.8	77.6 ✓
60			3.6	80.8 ✓
70			0.0	84.4 ✓
95			+0.5	84.9 ✓

684.4

N 3200

4890			+0.5	84.9 ✓
4925			0.0	84.4 ✓
30			0.2	84.2 ✓
40			2.8	81.6 ✓
50			5.3	79.1 ✓
60			10.5	73.9 ✓
70			14.9	69.5 ✓
80			16.3	68.1 ✓
90			18.0	66.4 ✓
5000			17.8	66.6 ✓
10			19.0	65.4 ✓
20			19.4	65.0 ✓
30			18.8	65.6 ✓
40			11.7	72.7 ✓
50			5.0	79.4 ✓
60			0.0	84.4 ✓
95			+0.5	84.9 ✓

Feb 17, 1934 Water Depth

685.0

N 3200

4890	+0.3	85.3	✓
4920	0.0	85.0	✓
30	0.2	84.8	✓
40	3.6	81.4	✓
50	6.4	78.6	✓
60	10.0	75.0	✓
70	13.3	71.7	✓
80	16.8	68.2	✓
90	18.0	67.0	✓
5000	17.8	67.2	✓
10	19.8	65.2	✓
20	20.2	64.8	✓
30	17.5	67.5	✓
40	13.5	71.5	✓
50	7.9	77.1	✓
60	2.8	82.2	✓
70	0.7	84.3	✓
80	3.3	81.7	✓
90	1.8	83.2	✓
98	0.0	85.0	✓

685.0

N 3300

(19)

4888	+0.4	85.4	✓
4925	0.0	85.0	✓
30	0.2	84.8	✓
40	1.2	83.8	✓
50	6.0	79.0	✓
60	9.8	75.2	✓
70	12.0	73.0	✓
80	12.0	73.0	✓
90	13.0	72.0	✓
5000	14.0	71.0	✓
10	12.7	72.3	✓
20	12.0	73.0	✓
30	9.8	75.2	✓
40	10.0	75.0	✓
50	6.9	78.1	✓
60	4.3	80.7	✓
70	0.0	85.0	✓
98	+0.7	85.7	✓

685.0

N 3400

4890		+1.0	86.0	✓
30		0.0	85.0	✓
40		04	84.6	✓
50		0.4	84.6	✓
60		2.4	82.6	✓
70		8.4	76.6	✓
80		11.3	73.7	✓
90		11.6	73.4	✓
5000		13.0	72.0	✓
10		11.7	73.3	✓
20		11.3	73.7	✓
30		10.6	74.4	✓
40		8.0	77.0	✓
50		5.6	79.4	✓
60		1.6	83.4	✓
70		0.2	84.8	✓
94		0.0	85.0	✓

685.0

N 3500

4892		+0.5	85.5	✓
20		0.0	85.0	✓
30		0.3	84.7	✓
40		0.6	84.4	✓
50		3.8	81.2	✓
60		7.4	77.6	✓
70		8.8	76.2	✓
80		9.2	75.8	✓
90		11.3	73.7	✓
5000		14.0	71.0	✓
10		12.6	72.4	✓
20		10.7	74.3	✓
30		10.7	74.3	✓
40		5.4	79.6	✓
50		5.6	79.4	✓
60		0.9	84.1	✓
70		0.8	84.2	✓
80		1.2	83.8	✓
92		0.0	85.0	✓

685.0

N 3600

5093		0.0	85.0
80		0.8	84.2
70		0.8	84.2
60		1.8	83.2
50		7.0	78.0
40		8.9	76.1
30		9.6	75.4
20		10.8	74.2
10		10.0	75.0
5000		11.5	73.5
4990		11.2	73.8
80		9.1	75.9
70		8.8	76.2
60		5.8	79.2
50		1.3	83.7
40		0.7	84.3
30		0.6	84.4
4893		0.0	85.0

685.0

N 3700

4893		+0.3	85.3
4920		0.0	85.0
30		0.3	84.7
40		0.5	84.5
50		0.7	84.3
60		4.2	80.8
70		6.7	78.3
80		8.0	77.0
90		10.2	74.8
50.00		11.4	73.6
10		11.8	73.2
20		11.8	73.2
30		10.8	74.2
40		10.4	74.6
50		6.0	79.0
60		1.4	83.6
70		0.9	84.1
88		0.0	85.0

685.3

N3800

4888	+0.7	86.0	✓
4925	0.0	85.3	✓
30	0.3	85.0	✓
40	0.6	84.7	✓
50	0.8	84.5	✓
60	3.6	81.7	✓
70	6.0	79.3	✓
80	7.0	78.3	✓
90	7.5	77.8	✓
5000	8.4	76.9	✓
10	9.6	75.7	✓
20	9.0	76.3	✓
30	7.7	77.6	✓
40	6.5	78.8	✓
50	3.4	81.9	✓
60	1.0	84.3	✓
70	0.8	84.5	✓
88	0.0	85.3	✓

685.3

N3900

4885	+0.7	86.0	✓
4915	0.0	85.3	✓
20	0.3	85.0	✓
30	0.5	84.8	✓
40	0.7	84.6	✓
50	0.8	84.5	✓
60	2.3	83.0	✓
70	6.0	79.3	✓
80	6.8	78.5	✓
90	8.0	77.3	✓
5000	8.0	77.3	✓
10	8.7	76.6	✓
20	8.3	77.0	✓
30	7.8	77.5	✓
40	6.5	78.8	✓
50	3.1	82.2	✓
60	0.9	84.4	✓
70	0.5	84.8	✓
95	0.0	85.3	✓

Feb 19, 1934 685.0

N3900

4884	S.		86.2 ✓
4940		0.0	85.0 ✓
50		0.3	84.7 ✓
60		2.0	83.0 ✓
70		5.5	79.5 ✓
80		6.5	78.5 ✓
90		7.3	77.7 ✓
5000		7.5	77.5 ✓
10		8.0	77.0 ✓
20		7.2	77.8 ✓
30		7.7	77.3 ✓
40		6.5	78.5 ✓
50		5.0	80.0 ✓
55		0.0	85.0 ✓
85		+0.5	85.5 ✓

685.0

N3800

4897		+1.0	86.0 ✓
54		0.0	85.0 ✓
60		3.0	82.0 ✓
70		5.7	79.3 ✓
80		6.3	78.7 ✓
90		7.3	77.7 ✓
5000		8.3	76.7 ✓
10		9.3	75.7 ✓
20		8.0	77.0 ✓
30		7.1	77.9 ✓
40		5.8	79.2 ✓
50		3.4	81.6 ✓
60		0.0	85.0 ✓
85		+0.5	85.5 ✓

6850

N3700

4894		+1.2	86.2
4952		0.0	85.0
60		3.4	81.6
70		6.8	78.2
80		8.5	76.5
90		9.8	75.2
5000		11.8	73.2
10		12.3	72.7
20		13.3	71.7
30		10.7	74.3
40		10.3	74.7
50		6.2	78.8
60		0.5	84.5
85		0.0	85.0

6850

N3600

4893		+1.4	86.4
4950		0.0	85.0
60		5.0	80.0
70		8.0	77.0
80		9.0	76.0
90		11.7	73.3
5000		11.0	74.0
10		10.4	74.6
20		10.5	74.5
30		9.8	75.2
40		8.8	76.2
50		5.7	79.3
60		1.8	83.2
70		2.3	82.7
80		2.5	82.5
88		0.0	85.0

6850

N 3500

4893	+ 1.3	86.3	✓
4945	0.0	85.0	✓
50	2.6	82.4	✓
60	6.2	78.8	✓
70	8.5	76.5	✓
80	9.8	75.2	✓
90	10.7	74.3	✓
5000	11.0	74.0	✓
10	8.7	76.3	✓
20	9.8	75.2	✓
30	10.0	75.0	✓
40	7.0	78.0	✓
50	5.0	80.0	✓
60	1.0	84.0	✓
70	0.5	84.5	✓
80	0.2	84.8	✓
88	0.0	85.0	✓

6852

N 3400

4890	+ 1.5	86.7	✓
4930	0.0	85.2	✓
40	0.5	84.7	✓
50	0.5	84.7	✓
60	3.5	81.7	✓
70	8.0	77.2	✓
80	10.5	74.7	✓
90	11.5	73.7	✓
5000	12.0	73.2	✓
10	11.5	73.7	✓
20	10.0	75.2	✓
30	9.5	75.7	✓
40	8.0	77.2	✓
50	6.0	79.2	✓
60	2.5	82.7	✓
70	0.4	84.8	✓
93	0.0	85.2	✓

685.2

N 3300

4888		+0.4	85.6 ✓
4930		0.0	85.2 ✓
40		1.0	84.2 ✓
50		5.5	79.7 ✓
60		10.0	75.2 ✓
70		12.0	73.2 ✓
80		12.0	73.2 ✓
90		13.0	72.2 ✓
5000		13.5	71.7 ✓
10		13.0	72.2 ✓
20		11.7	73.5 ✓
30		10.0	75.2 ✓
40		9.7	75.5 ✓
50		7.5	77.7 ✓
60		4.0	81.2 ✓
70		0.0	85.2 ✓
96		+0.6	85.8 ✓

685.2

25

N 3200

4887		+.0.7	85.9 ✓
4925		0.0	85.2 ✓
30		0.2	85.0 ✓
40		2.0	83.2 ✓
50		6.0	79.2 ✓
60		10.0	75.2 ✓
70		14.0	71.2 ✓
80		16.0	69.2 ✓
90		18.5	66.7 ✓
5000		18.0	67.2 ✓
10		19.0	66.2 ✓
20		19.5	65.7 ✓
30		17.5	67.7 ✓
40		14.0	71.2 ✓
50		8.0	77.2 ✓
60		2.7	82.5 ✓
68		0.0	85.2 ✓
5100		0.0	85.2 ✓

Xsections of Pool Sat Feb 24-1934

Converse
Elliott
Simpson
Soper
Reminder

N3200

	Water Elev. 686.0	Depth	
5097		+ 0.6	86.6
80		+ 0.2	86.2
70		0.0	86.0 W.S
60		- 2.3	83.7
50		6.3	79.7
40		12.0	74.0
30		15.5	70.5
20		19.0	67.0
10		20.5	65.5
5000		18.0	68.0
4990		19.5	66.5
80		17.5	68.5
70		14.5	71.5
60		10.5	75.5
50		7.0	79.0
40		4.0	82.0
30		1.0	85.0

2.6
Rain

N3200

4928	686.0	0.0	86.0
20		+0.1	86.1
10		+0.2	86.2
4900		+0.2	86.2
4885		+0.2	86.2

N3300

686.0

4885		+2.0	688.0
4900		+1.0	87.0
20		+0.6	86.6
40		0.0	86.0
50		-5.0	81.0
60		9.0	77.0
70		10.0	76.0
80		11.0	75.0
90		13.0	73.0
5000		14.0	72.0
10		13.0	73.0
20		11.0	75.0
30		10.5	75.5
40		9.0	77.0
50		7.0	79.0
60		2.5	83.5
70		0.0	86.0
80		+0.5	86.5
96		+0.9	86.9

686.0

N3400

5094		+0.3	86.3
80		+0.3	86.3
70		0.0	86.0
60		0.5	85.5
50		5.5	80.5
40		7.0	79.0
30		9.0	77.0
20		11.0	75.0
10		12.5	73.5
5000		12.5	73.5
4990		9.0	77.0
80		9.5	76.5
70		7.5	78.5
60		4.5	81.5
50		0.3	85.7
40		0.0	86.0
30		0.0	86.0
20		+0.1	86.1
4900		+0.3	86.3
4890		+0.5	86.5

686.0

N3500

4895		+0.6	86.6
4910		+0.2	86.2
40		0.0	86.0
50		0.5	85.5
60		5.5	80.5
70		6.5	79.5
80		7.5	78.5
90		11.5	74.5
5000		10.0	76.0
5010		11.0	75.0
20		10.5	75.5
30		8.5	77.5
40		7.0	79.0
50		5.5	80.5
60		1.0	85.0
70		0.5	85.5
80		0.0	86.0
92		+0.2	86.2

686.0

N3600

5090		+0.5	86.5
80		0.0	86.0
70		0.5	85.5
60		1.0	85.0
50		5.5	80.5
40		7.5	78.5
30		9.5	76.5
20		10.5	75.5
10		11.5	74.5
5000		12.0	74.0
4990		11.5	74.5
80		9.0	77.0
70		7.0	79.0
60		4.5	81.5
50		0.5	85.5
40		0.0	86.0
20		+0.6	86.6
4895		+0.8	86.8

686.0

N3700

4896		+0.5	686.5
4920		+0.1	86.1
40		0.0	86.0
50		0.5	85.5
60		4.5	81.5
70		6.5	79.5
80		9.5	76.5
90		11.0	75.0
5000		12.0	74.0
10		12.5	73.5
20		11.5	74.5
30		10.5	75.5
40		9.5	76.5
50		6.0	80.0
60		1.0	85.0
70		0.5	85.5
80		0.5	85.5
88		0.0	86.0

686.0

N3800

5086		0.0	686.0
70		0.5	685.5
60		1.0	685.0
50		3.0	83.0
40		6.5	79.5
30		7.0	79.0
20		8.5	77.5
10		9.5	76.5
5000		8.5	77.5
4990		7.5	78.5
80		6.0	80.0
70		5.5	80.5
60		2.5	83.5
50		0.5	85.5
40		0.0	86.0
4920		+0.4	86.4
4896		+1.4	87.4

686.0

N3900

4886	0.0	686.0'
4900	0.2	85.8'
10	0.5	85.5'
20	0.8	85.2'
30	0.5	85.5'
40	1.0	85.0'
50	1.0	85.0'
60	2.5	83.5'
70	6.0	80.0'
80	7.0	79.0'
90	8.0	78.0'
5000	9.0	77.0'
10	8.5	77.5'
20	8.5	77.5'
30	8.5	77.5'
40	6.0	80.0'
50	3.0	83.0'
55	0.0	86.0'
85	+0.6	86.6'

Feb. 26, 1934 — Gauge 686.0

Sample #	Water Depth	Sample Depth	N.	E	
2140	7.0	8.0 - 9.0	3900	5035	
2141	9.0	9.0 - 13.0	"	5020	
2142	9.0	9.0 - 13.0 Silt. 13.0 - 14.0 " 14.0 - 17.0 Silt.		5000	
2143	7.0	7.0 - 11.0 No Sample 11.0 - 12.0 "		4980	
2144	6.5	6.5 - 8.0 No Sample 8.0 - 9.0 " 9.0 - 10.5 No Sample		4973	
2145	6.0	6.0 - 8.0 No Sample 8.0 - 9.0 9.0 - 10.0 No Sample	3800	4973	Top of Fuddle Core - 1/24/34 679.5
2146	6.5	6.5 - 9.5	3800	4980	9.5 676.5
2147	8.0	8.0 - 10.5	3800	5000	10.5 675.5
2148	8.0	8.0 - 12.0	3800	5020	9.5 676.5
2149	7.0	7.0 - 11.0	3800	5035	9.0 677.0

Feb. 26, 1934 — Gauge 686.0 — (31)

Sample #	Water Depth	Sample Depth	North	East	Top of Fuddle Core 1/24/34
2150	7.5	9.0 - 10.0	3700	4973	10.0 676.0
2151	10.5	10.5 - 14.5	3700	4980	11.0 675.0
2152	13.5	13.5 - 17.5	3700	5000	16.5 669.5
2153	12.0	12.0 - 16.0	3700	5020	18.5 667.5
2154	10.5	11.0 - 13.0 13.0 - 14.5 Silt	3700	5035	16.5 669.5
					Top of Fuddle Core 1/25/34
2155	8.5	12.0 - 13.0	3600	5035	15.0 671.0
2156	10.0	13.0 - 14.0	3600	5020	16.5 669.5
2157	12.5	12.5 - 16.5	3600	5000	18.0 668.0
2158	10.0	10.0 - 14.0	3600	4980	15.0 671.0
2159	8.0	10.0 - 15.0	3600	4973	10.0 676.0

Feb. 26, 1934 — Gauge 686.0

Sample #	Water Depth	Sample Depth	North	East	Top of Puddle Core 2/5/34
2160	7.5	7.5 - 11.5	3500	5035	675.0
2161	8.5	8.5 - 14.5	3500	5020	16.0 670.0
2162	14.0	14.0 - 18.0	3500	5000	17.0 669.0
2163	8.0	8.0 - 16.0	3500	4980	16.5 669.5
2164	7.0	12.0 - 13.0	3500	4973	16.0 670.0
2165	8.0	10.0 - 11.0	3400	4973	Top of Puddle Core 1/29/34 13.0 673.0
2166	8.0	13.0 - 14.0	3400	4980	14.0 672.0
2167	11.0	11.0 - 15.0	3400	5000	15.0 671.0
2168	8.5	13.0 - 14.0	3400	5020	16.0 670.0
2169	8.0	8.0 - 12.0	3400	5035	10.5 675.5

Feb. 27, 1934 — Gauge 686.5 — (32)

Sample #	Water Depth	Sample Depth	North	East	Top of Puddle Core 1/29/34
2170	10.5	10.5 - 14.5	3300	5035	11.5 675.0
2171	12.5	12.5 - 16.5	3300	5020	14.0 672.5
2172	14.0	14.0 - 18.0	3300	5000	15.5 671.0
2173	12.0	12.0 - 14.0	3300	4980	15.5 671.0
2174	9.5	11.5 - 13.5	3300	4973	15.0 671.5
2175	14.5	14.5 - 17.0	3200	5035	2/5/34 17.0 669.5
2176	17.5	20.0 - 21.0	3200	5020	22.0 664.5
2177	17.5	19.5 - 21.5	3200	5000	20.0 666.5
2178	17.5	17.5 - 21.5	3200	4980	20.5 666.0
2179	15.5	15.5 - 17.5	3200	4973	20.0 666.5

Albert - Converse Hill - Simpson.

Puddle Core Samples.

Mar. 6, 1934

Gauge 689.0

Sample #	Water Depth	Sample Depth	North	East.	
2218	11.0	15.0 - 17.0	3650	5035	
2219	9.5	14.0 - 16.0	"	5020	
2220	9.5	9.5 - 17.5	"	5000	
2221	10.0	10.0 - 18.0	"	4980	
2222	9.0	9.0 - 17.0	"	4973	
2223	9.5	14.5 - 16.0	3550	5035	
2224	11.0	17.0 - 18.0	"	5020	
2225	13.0	14.0 - 22.0	"	5000	670.0
2226	9.5	9.5 - 17.5	"	4980	
2227	8.5	15.0 - 16.0	"	4973	69.0

1337/13

Mar. 6, 1934

Gauge 689.5

(33)

Sample #	Water Depth	Sample Depth	North	East	Top of Puddle Core 1/27/34
2228	8.5	14.0 - 15.0	3450	5035	676.5
2229	9.5	13.5 - 17.5	"	5020	672.5
2230	10.5	10.5 - 18.5	"	5000	670.0
2231	11.0	15.0 - 19.0	"	4980	671.0
2232	10.0	14.0 - 16.0	"	4973	671.5
					1/29/34
2233	9.5	13.5 - 17.5	3350	5035	674.5
2234	12.5	16.5 - 18.5	"	5020	672.0
2235	12.0	16.0 - 18.0	"	5000	671.0
2236	11.5	16.5 - 18.5	"	4980	672.0
2237	9.5	12.0 - 13.0	"	4973	672.5
2238	"	16.5 - 17.5	"	"	

Mar. 6, 1934 — Gauge 689.5

Sample #	Water Depth	Sample Depth	North	East	Top of Puddle Core 1/30/34
2239	14.0	18.0 – 20.0	3250	5035	(13.5) 675.5
2240	17.0	20.0 – 22.0	"	5020	(16.0) 673.0
2241	19.5	19.5 – 23.0	"	5000	(21.0) 668.0
2242	17.5	17.5 – 21.5	"	4980	(20.0) 669.0
2243	14.0	19.5 – 21.0	"	4973	(19.5) 669.5
2244	12.5	15.0 – 16.5	3160	5035	2/5/34 (13.0) 676.0
2245	16.0	16.0 – 20.0	"	5020	(14.5) 675.0
2246	12.5	12.5 – 16.5	"	5000	(12.5) 677.0
2247	11.5	13.0 – 13.5	"	4980	

1839718

Albert - Converse
Hill - Simpson.

Puddle Core Samples — Gauge 690.0 — (34)

Mar. 7, 1934 - A.M.

Sample #	Water Depth	Sample Depth	North	East	Top of Puddle Core 1/24/34
2248	9.5	11.5 – 13.5	3900	5035	
2249	12.0	12.0 – 14.0	"	5020	
2250	13.0	13.0 – 17.0	"	5000	
2251	11.0	14.0 – 15.0	"	4980	
2252	10.5	11.0 – 12.0	"	4973	
2253	8.0	8.0 – 9.0	3800	5035	677.0
2254	9.5	9.5 – 10.5	"	5020	(13.5) 676.5
2255	11.0	11.0 – 13.0	"	5000	(14.5) 675.5
2256	9.0	9.0 – 13.0	"	4980	(13.5) 676.5
2257	8.0	8.0 – 12.0	"	4973	(12.5) 677.5

Mar. 7, 1934 — Gouge 690.0

Sample #	Water Depth	Sample Depth	North	East	Top of Puddle Core 1/24/34
2258	9.5	9.5 – 13.5	3700	4973	676.0
2259	11.0	11.0 – 15.0	"	4980	675.0 (15.0)
2260	13.5	13.5 – 17.5	"	5000	669.5 (20.5)
2261	12.5	14.0 – 15.0	"	5020	669.5 (22.5)
2262	8.5	8.5 – 9.5 12.5 – 13.5	"	5035	669.5 (20.5)

Albert-Converse-Hill-Simpson (Rec.) — Mar. 8, 1934 P.M. — Gouge 691.5

Sample #	Water Depth	Sample Depth	North	East	Top of Puddle Core 1/25/34
2280	9.0	9.0 – 13.0	3620	4973	
2281	10.0	14.0 – 15.5	"	4980	
2282	10.0	10.0 – 14.0	"	5000	
2283	11.0	13.5 – 15.0	"	5020	
2284	10.5	10.5 – 14.5	"	5010	
2285	"	15.0 – 16.0	"	"	
2286	10.5	10.5 – 11.5	"	5035	

Albert-Converse-Hill-Simpson (Rec.) Puddle Core Samples. Mar. 8, 1934 P.M. — Gouge 691.5 — (35)

Sample #	Water Depth	Sample Depth	North	East	Top of Puddle Core 1/25/34
2263	10.0	10.0 – 12.0	3600	5035	671.0
2264	10.5	13.5 – 14.5	"	5020	669.5
2266	12.5	14.5 – 16.0	"	5010	668.8
2265	12.0	15.0 – 17.5	"	5000	668.0
2267	13.0	16.0 – 17.0	"	4990	669.5
2268	12.0	12.0 – 16.0	"	4980	671.0
2269	10.0	10.0 – 12.0	"	4973	676.0
					2/3/34
2270	10.0	10.0 – 14.0	3500	5035	675.0
2271	11.0	11.0 – 15.0	"	5020	670.0
2272	12.0	12.0 – 16.0	"	5000	669.0
2273	11.5	11.5 – 15.5	"	4980	669.5
2274	9.5	9.5 – 13.5	"	4973	670.0
2275	11.0	13.0 – 13.5	3575	5035	670.5
2276	11.5	11.5 – 15.5	"	5020	666.0
2277	12.0	12.0 – 16.0	"	5000	669.0
2278	12.5	12.5 – 16.5	"	4980	669.0
2279	10.0	10.0 – 14.0	"	4973	670.0

Cont' on P.-61

Puddle Core X Sections.- Simpson-Natel DeLaney-Simp

Feb. 28, 1934

Water 687.0

N 3900

4885		+ 0.2	687.2
4900		0.0	87.0
30		0.5	86.5
40		0.6	86.4
50		2.1	84.9
60		3.8	83.2
70		7.2	79.8
80		7.7	79.3
90		8.5	78.5
5000		8.7	78.3
10		8.2	78.8
20		8.2	78.8
30		7.8	79.2
40		7.0	80.0
50		3.6	83.4
60		0.8	86.2
87		0.0	87.0

687.0

N 3800

4887		+ 0.5	687.5
4930		0.0	87.0
40		0.3	86.7
50		0.4	86.6
60		4.2	82.8
70		5.8	81.2
80		6.5	80.5
90		6.9	80.1
5000		8.5	78.5
10		9.0	78.0
20		7.0	80.0
30		6.8	80.2
40		6.5	80.5
50		3.0	84.0
60		0.8	86.2
87		0.0	87.0

Feb. 28, 1934

687.0

N3700

4895	+0.3	687.3
4930	0.0	87.0
40	0.3	86.7
50	1.1	85.9
60	5.4	81.6
70	6.4	80.6
80	7.0	80.0
90	8.1	78.9
5000	8.0	79.0
10	11.6	75.4
20	7.0	80.0
30	7.2	79.8
40	7.2	79.8
50	4.8	82.2
60	0.8	86.2
88	0.0	87.0

687.0

N3600

4893	+0.4	687.4
4930	0.0	87.0
40	0.3	86.7
50	1.8	85.2
60	5.8	81.2
70	6.7	80.3
80	7.6	79.4
90	7.2	79.8
5000	7.3	79.7
10	7.5	79.5
20	7.7	79.3
30	7.0	80.0
40	6.8	80.2
50	5.0	82.0
60	1.0	86.0
70	0.5	86.5
90	+0.3	87.3

Feb. 28, 1934

687.0

N3500

4896	+0.5	687.5
4940	0.0	87.0
50	2.7	84.3
60	6.1	80.9
70	6.7	80.3
80	6.7	80.3
90	8.1	78.9
5000	7.7	79.3
10	7.8	79.2
20	7.0	80.0
30	7.2	79.8
40	6.5	80.5
50	5.5	81.5
60	0.8	86.2
70	0.0	87.0
90	+0.3	87.3

687.0

N3400

5097	0.0	687.0
60	1.0	86.0
50	6.5	80.5
40	7.0	80.0
30	8.5	78.5
20	11.0	76.0
10	10.5	76.5
5000	12.0	75.0
4990	10.0	77.0
80	9.5	77.5
70	7.0	80.0
60	4.0	83.0
50	0.3	86.7
4940	0.0	87.0
4890	+0.6	87.6

Feb. 28, 1934

687.0

N3300

4897	+0.6	687.6
4910	+0.5	87.5
30	0.0	87.0
40	2.0	85.0
50	6.0	81.0
60	8.0	79.0
70	10.5	76.5
80	10.5	76.5
90	14.5	72.5
5000	14.0	73.0
10	13.0	74.0
20	12.5	74.5
30	11.5	75.5
40	9.5	77.5
50	7.0	80.0
60	2.0	95.0
70	0.5	86.5
95	0.0	87.0

687.0

N3200

5097	+0.5	687.5
70	0.0	87.0
60	2.0	85.0
50	6.0	81.0
40	12.5	74.5
30	16.5	70.5
20	20.0	67.0
10	20.0	67.0
5000	19.0	68.0
4990	19.5	67.5
80	18.0	69.0
70	14.0	73.0
60	10.0	77.0
50	7.5	79.5
40	5.0	82.0
30	1.5	85.5
20	0.5	86.5
4885	0.0	87.0

Feb. 28, 1934

Converse Albert Simpson

	Water 687.0		
3500 –	5000 –	13.5	73.5 ✓
3600 –	5000 –	12.5	74.5 ✓
3700 –	5000 –	12.5	74.5 ✓
3800 –	5000 –	9.0	78.0 ✓
3900 –	5000 –	9.5	77.5 ✓

Mar. 1, 1934 — Puddle Core X Sections

Converse
Simpson
DeLaney - for R.C.

N 3200

water
687.5

4880		+0.7	688.2
4910		+0.5	88.0
20		0.0	87.5
30		1.5	86.0
40		5.5	82.0
50		9.5	78.0
60		14.0	73.5
70		15.5	72.0
80		9.5	78.0
90		17.0	70.5
5000		16.5	71.0
10		18.0	69.5
20		16.5	71.0
30		16.0	71.5
40		9.5	78.0
50		5.0	82.5
60		0.5	87.0
70		0.0	87.5
95		+0.3	87.8

687.5

N 3300

4880		+0.5	688.0
4920		0.0	87.5
30		0.5	87.0
40		1.5	86.0
50		6.5	81.0
60		8.5	79.0
70		11.0	76.5
80		12.5	75.0
90		10.0	77.5
5000		14.5	73.0
10		12.5	75.0
20		12.5	75.0
30		10.5	77.0
40		9.5	78.0
50		7.0	80.5
60		2.0	85.5
70		0.5	87.0
80		0.0	87.5
93		+0.5	88.0

Mar. 1, 1931

687.5 N3400

4887	+0.5	688.0
4930	0.0	87.5
40	0.5	87.0
50	1.0	86.5
60	5.5	82.0
70	7.5	80.0
80	8.5	79.0
90	11.0	76.5
5000	12.5	75.0
10	12.5	75.0
20	9.0	78.5
30	8.5	79.0
40	7.0	80.5
50	4.5	83.0
60	0.0	87.5
80	+0.8	88.3
97	+0.8	88.3

687.5 N3500

4890	+0.5	688.0
4920	0.0	87.5
30	0.5	87.0
40	0.5	87.0
50	3.0	84.5
60	6.5	81.0
70	7.0	80.5
80	7.5	80.0
90	9.0	78.5
5000	11.0	76.5
10	9.0	78.5
20	8.5	79.0
30	7.0	80.5
40	6.0	81.5
50	4.0	83.5
60	0.0	87.5
90	+0.8	88.3

Mar. 1, 1934

687.5 N3600

4890	+0.5	688.0
4920	0.0	87.5
30	0.5	87.0
40	1.0	86.5
50	2.5	85.0
60	6.5	81.0
70	8.0	79.5
80	9.5	78.0
90	13.0	74.5
5000	13.5	74.0
10	10.5	77.0
20	10.0	77.5
30	7.5	80.0
40	6.5	81.0
50	5.0	82.5
60	0.0	87.5
90	+0.8	88.3

687.5 N3700

4890	+0.5	688.0
4920	0.0	87.5
30	0.5	87.0
40	1.0	86.5
50	2.0	85.5
60	6.0	81.5
70	8.0	79.5
80	10.0	77.5
90	12.5	75.0
5000	13.5	74.0
10	12.0	75.5
20	10.5	77.0
30	8.0	79.5
40	7.0	80.5
50	4.0	83.5
60	0.0	87.5
87	+0.8	88.3

Mar. 1, 1934

687.5

N3800

4890	+0.5	688.0
4930	0.0	87.5
40	0.5	87.0
50	1.5	86.0
60	4.5	83.0
70	6.5	81.0
80	7.0	80.5
90	8.5	79.0
5000	9.5	78.0
10	9.5	78.0
20	8.0	79.5
30	7.5	80.0
40	7.5	80.0
50	2.0	85.5
60	0.0	87.5
85	+0.8	88.3

687.5

N3900

4880	+1.5	689.0
4940	0.0	87.5
50	2.5	85.0
60	4.5	83.0
70	7.5	80.0
80	8.5	79.0
90	9.5	78.0
5000	10.0	77.5
10	10.0	77.5
20	10.0	77.5
30	8.0	79.5
40	7.0	80.5
50	3.0	84.5
60	0.0	87.5
83	+0.8	88.3

Mar. 5, 1934
DeLaney – Sound.
Simpson – Notes

Puddle Core X Sections

688.5 N3200

4880	0.0	688.5
4900	0.2	688.3
10	0.5	88.0
20	0.6	87.9
30	3.0	85.5
40	5.8	82.7
50	9.0	79.5
60	10.0	78.5
70	13.0	75.5
80	15.0	73.5
90	16.5	72.0
5000	15.8	72.7
10	16.0	72.5
20	15.5	73.0
30	16.0	72.5
40	14.0	74.5
50	7.8	80.7
60	3.5	85.0
70	0.8	87.7
80	0.4	88.1
5100	0.0	88.5

Mar. 5, 1934

688.5 N3300

4880	+ 0.7	689.2
4920	0.0	88.5
30	0.5	88.0
40	3.2	85.3
50	6.5	82.0
60	8.0	80.5
70	8.8	79.7
80	8.7	79.8
90	9.0	79.5
5000	11.0	77.5
10	9.5	79.0
20	11.5	77.0
30	10.5	78.0
40	10.3	78.2
50	8.7	79.8
60	5.6	82.9
70	1.8	86.7
80	0.8	87.7
5100	0.0	88.5

Mar. 5, 1934

	688.5	N 3400	
5100		0.0	688.5
90		1.0	87.5
80		1.0	87.5
70		1.2	87.3
60		4.7	83.8
50		7.4	81.1
40		8.0	80.5
30		9.0	79.5
20		10.0	78.5
10		10.5	78.0
5000		9.5	79.0
4990		9.0	79.5
80		9.5	79.0
70		7.5	81.0
60		6.0	82.5
50		1.5	87.0
40		0.5	88.0
4930		0.0	88.5
4885		+1.0	89.5

	688.5	N 3500	
4885		+0.8	689.3
4920		0.0	88.5
30		0.3	88.2
40		0.8	87.7
50		4.2	84.3
60		6.5	82.0
70		7.3	81.2
80		7.8	80.7
90		8.0	80.5
5000		10.0	78.5
10		8.7	79.8
20		8.7	79.8
30		8.5	80.0
40		7.5	81.0
50		6.5	82.0
60		3.2	85.3
70		1.3	87.2
80		1.8	86.7
90		1.3	87.2
95		0.0	88.5

Mar. 5, 1934

688.5

N3600

4890	+0.5	689.0
4930	0.0	88.5
40	0.5	88.0
50	3.5	85.0
60	7.0	81.5
70	8.0	80.5
80	8.8	79.7
90	8.6	79.9
5000	9.2	79.3
10	8.5	80.0
20	9.5	79.0
30	8.7	79.8
40	8.0	80.5
50	7.2	81.3
60	2.4	86.1
70	0.5	88.0
93	+0.2	88.7

Mar. 5, 1934

688.5

N3700

4888	+1.0	689.5
4940	0.0	88.5
50	5.0	83.5
60	5.8	82.7
70	7.8	80.7
80	9.0	79.5
90	9.0	79.5
5000	9.3	79.2
10	10.2	78.3
20	8.8	79.7
30	8.8	79.7
40	7.5	81.0
50	6.8	81.7
60	3.0	85.5
70	0.0	88.5
92	+0.4	88.9

Mar. 5, 1934

688.5

N3800

4885	+1.0	689.5
4940	0.0	688.5
50	2.8	85.7
60	6.5	82.0
70	7.2	81.3
80	8.0	80.5
90	8.1	80.4
5000	9.2	79.3
10	9.4	79.1
20	9.0	79.5
30	8.7	79.8
40	7.2	81.3
50	5.8	82.7
60	0.0	88.5
90	+0.5	89.0

688.5

N3900

4880	+1.0	689.5
4935	0.0	88.5
40	0.5	88.0
50	2.8	85.7
60	5.2	83.3
70	8.5	80.0
80	9.2	79.3
90	9.8	78.7
5000	10.0	78.5
10	9.0	79.5
20	9.7	78.8
30	9.0	79.5
40	8.5	80.0
50	5.5	83.0
60	1.8	86.7
70	0.5	88.0
90	+0.2	88.7

Summit Pool & Beach X Sections
Mar. 6, 1934.

Water Elev.
689.3

N 3900

4880	+0.8	690.1
4920	0.0	89.3
30	0.7	88.6
40	1.8	87.5
50	3.6	85.7
60	6.6	82.7
70	9.0	80.3
80	9.2	80.1
90	10.7	78.6
5000	10.0	79.3
10	10.0	79.3
20	9.6	79.7
30	9.6	79.7
40	8.2	81.1
50	5.8	83.5
60	2.2	87.1
70	1.2	88.1
88	0.0	89.3

Soundings By E. Delaney
Copied by W.H.S.

Water Elev.
689.3

N 3800

5090	0.0	689.3
70	0.5	88.8
60	1.2	88.1
50	5.8	83.5
40	7.6	81.7
30	8.4	80.9
20	9.4	79.9
10	9.4	79.9
5000	9.7	79.6
4990	8.8	80.5
80	8.3	81.0
70	7.5	81.8
60	6.6	82.7
50	2.8	86.5
40	0.7	88.6
4930	0.0	89.3
4885	+1.0	90.3

Mar. 6, 1934

Water Elev. 689.3

N3700

4885		+0.4	689.7
4920		0.0	89.3
30		0.5	88.8
40		0.7	88.6
50		3.7	85.6
60		7.0	82.3
70		8.3	81.0
80		9.5	79.8
90		10.7	78.6
5000		10.0	79.3
10		12.5	76.8
20		9.8	79.5
30		9.4	79.9
40		8.3	81.0
50		7.0	82.3
60		4.0	85.3
70		0.6	88.7
90		0.0	89.3

Mar. 6, 1934

Water Elev. 689.3

N3600

5093		0.3	689.0
70		0.7	88.6
60		3.8	85.5
50		7.6	81.7
40		8.2	81.1
30		8.8	80.5
20		9.5	79.8
10		9.3	80.0
5000		9.7	79.6
4990		9.7	79.6
80		9.7	79.6
70		8.4	80.9
60		7.0	82.3
50		3.3	86.0
40		0.3	89.0
49 30		0.0	89.3
4885		+1.0	90.3

Mar. 6, 1934

Water Elev. 689.3

N3500

4880		+1.0	690.3
4935		0.0	89.3
40		0.3	89.0
50		4.7	84.6
60		6.8	82.5
70		7.8	81.5
80		8.5	80.8
90		9.0	80.3
5000		9.8	79.5
10		9.3	80.0
20		9.3	80.0
30		8.8	80.5
40		7.7	81.6
50		6.5	82.8
60		3.6	85.7
70		0.7	88.6
95		0.0	89.3 ✓

Water Elev. 689.3

N3400

5095		+0.3	689.6
80		0.0	89.3
70		0.4	88.9
60		4.2	85.1
50		7.4	81.9
40		8.0	81.3
30		9.0	80.3
20		9.7	79.6
10		10.5	78.8
5000		10.8	78.5
4990		10.0	79.3
80		9.5	79.8
70		8.0	81.3
60		7.0	82.3
50		2.0	87.3
4940		0.0	89.3
4880		+0.8	90.1

Mar. 6, 1934

Water Elev. 689.3

N 3300

5095		+0.4	689.7
70		1.5	87.8
60		5.8	83.5
50		8.3	81.0
40		10.0	79.3
30		10.7	78.6
20		10.8	78.5
10		10.8	78.5
5000		10.0	79.3
4990		9.7	79.6
80		9.7	79.6
70		9.7	79.6
60		8.7	80.6
50		7.6	81.7
40		2.7	86.6
4935		0.0	89.3
4880		+1.0	90.3

Water Elev. 689.3

N 3200

4880		+0.4	689.7
4920		0.0	89.3
30		3.7	85.6
40		6.8	82.5
50		10.0	79.3
60		13.0	76.3
70		13.5	75.8
80		13.5	75.8
90		12.5	76.8
5000		14.0	75.3
10		17.0	72.3
20		15.4	73.9
30		15.4	73.9
40		12.6	76.7
50		8.4	80.9
60		4.5	84.8
70		0.0	89.3
5100		+0.4	89.7

Puddle Core X Sections

Mar. 7, 1934

Allen Rowe - Soundings
E. Delaney - Notes
Simpson - Notes

Water Elev. 690.0

N3900

5030	10.5	679.5
20	12.0	78.0
10	13.5	76.5
5000	13.1	76.9
4990	12.5	77.5
80	11.0	79.0
70	10.0	80.0
4960	7.4	82.6

Water Elev. 690.0

N3800

5040	6.8	683.2
30	9.5	80.5
20	10.0	80.0
10	11.8	78.2
5000	11.4	78.6
4990	10.2	79.8
80	8.9	81.1
70	8.3	81.7
4960	7.3	82.7

Mar. 7, 1934

Water Elev. 690.0

N3700

5040	7.8	682.2
30	10.5	79.5
20	12.8	77.2
10	12.1	77.9
5000	12.8	77.2
4990	15.7	74.3
80	12.4	77.6
70	9.7	80.3
4960	8.1	81.9

Water Elev. 690.0

N3600

5040	9.5	680.5
30	10.5	79.5
20	11.4	78.6
10	11.0	79.0
5000	13.1	76.9
4990	12.8	77.2
80	11.0	79.0
70	9.6	80.4
4960	8.2	81.8

Mar. 7, 1934

Water Elev. 690.0

N3500

5040	8.8	81.2
30	9.8	80.2
20	11.3	78.7
10	10.8	79.2
5000	10.9	79.1
4990	10.9	79.1
80	9.8	80.2
70	9.0	81.0
60	7.8	82.2
4950	5.5	84.5

Water Elev. 690.0

N3400

5040	8.9	681.1
30	10.4	679.6
20	11.9	78.1
10	12.6	77.4
5000	13.0	77.0
4990	11.8	78.2
80	11.3	78.7
70	9.5	80.5
60	8.5	81.5
4950	4.0	86.0

Mar. 7, 1934.

Water Elev. 690.0

N 3300

5040	11.8	678.2
30	12.8	77.2
20	12.2	77.8
10	16.6	73.4
5000	16.8	73.2
4990	11.6	78.4
80	11.5	78.5
70	11.0	79.0
60	9.5	80.5
4950	7.8	82.2

Water Elev. 690.0

N 3200

5040	14.7	675.3
30	17.0	73.0
20	15.8	74.2
10	21.5	68.5
5000	20.8	69.2
4990	19.4	70.6
80	17.5	72.5
70	16.5	73.5
60	13.2	76.8
4950	10.5	79.5
4940	7.4	82.6

Summit Pool & Beach X Sections

March 9, 1934 - A.M.

691.3
Water Elev.

N3200

4870		0.0	691.3
80		1.5	89.8
90		1.5	89.8
4900		2.0	89.3
10		2.0	89.3
20		2.0	89.3
30		5.0	86.3
40		9.0	82.3
50		11.5	79.8
60		13.0	78.3
70		17.5	73.8
80		18.5	72.8
90		20.0	71.3
5000		16.0	75.3
10		17.0	74.3
20		20.0	71.3
30		17.5	73.8
40		16.0	75.3
50		13.0	78.3

Converse - Soundings
Simpson - Notes
Elliott - X

Water Elev.
691.3

N3200

5060		8.0	683.3
70		3.0	88.3
80		2.0	89.3
90		1.0	90.3
96		0.0	91.3

N3300

4875		+1.7	693.0
4900		+1.7	93.0
37		0.0	91.3
40		1.0	90.3
50		8.0	83.3
60		10.5	80.8
70		12.0	79.3
80		14.5	76.8
90		16.0	75.3
5000		17.0	74.3
10		16.5	74.8
20		14.5	76.8

March 9, 1934

Water Elev. 691.3

N 3300

5030	14.5	676.8
40	13.0	78.3
50	10.5	80.8
60	5.5	85.8
70	0.0	91.3
90	+ 2.0	93.3
5105	+ 2.0	93.3

N 3400

4876	+ 3.0	694.3
4900	+ 3.0	94.3
45	0.0	91.3
50	1.5	89.8
60	7.5	83.8
70	10.0	81.3
80	12.5	78.8
90	13.0	78.3
5000	13.5	77.8
10	12.5	78.8

Water Elev. 691.3

N 3400

5020	13.0	678.3
30	12.0	79.3
40	9.0	82.3
50	8.0	83.3
60	3.0	88.3
65	0.0	91.3
90	+ 1.5	92.8
5100	+ 2.0	93.3

N 3500

4875	+ 2.5	693.8
4900	+ 1.5	92.8
40	0.0	91.3
50	4.0	87.3
60	7.0	84.3
70	9.0	82.3
80	10.5	80.8
90	11.5	79.8
5000	12.0	79.3

Mar. 9, 1934

Water Elev. 691.3

N3500

5010		12.0	679.3
20		11.5	79.8
30		11.0	80.3
40		9.5	81.8
50		8.0	83.3
60		5.5	85.8
72		0.0	91.3
90		+1.0	92.3
5100		+1.0	92.3

N3600

4880		+2.0	693.3
4900		+2.0	93.3
35		0.0	91.3
40		0.5	90.8
50		3.0	88.3
60		7.5	83.8
70		9.5	81.8
80		12.0	79.3

Water Elev. 691.3

N3600

4990		11.0	680.3
5000		11.5	79.8
10		10.5	80.8
20		10.0	81.3
30		11.0	80.3
40		10.5	80.8
50		9.0	82.3
60		5.0	86.3
70		0.5	90.8
78		0.0	91.3
95		+1.0	92.3

N3700

4880		+1.5	692.8
4900		+1.0	92.3
23		0.0	91.3
30		0.5	90.8
40		0.8	90.5
50		3.5	87.8

March 9, 1934

Water Elev. 691.3

N3700

4960		8.0	683.3
70		10.0	81.3
80		11.5	79.8
90		12.0	79.3
5000		13.5	77.8
10		12.0	79.3
20		13.0	78.3
30		12.0	79.3
40		8.5	82.8
50		5.5	85.8
60		1.0	90.3
70		1.0	90.3
80		0.5	90.8
5095		0.0	91.3

N3800

4875		+1.0	692.3
4900		+1.0	92.3
20		0.0	91.3

Water Elev. 691.3

N3800

4930		0.5	690.8
40		1.0	90.3
50		2.5	88.8
60		7.0	84.3
70		8.5	82.8
80		9.5	81.8
90		11.5	79.8
5000		12.0	79.3
10		11.0	80.3
20		11.5	79.8
30		9.5	81.8
40		8.5	82.8
50		4.5	86.8
60		1.5	89.8
70		0.5	90.8
80		0.0	91.3
94		+0.5	91.8

March 9 1934

Water Elev. 691.3

N3900

4875	+1.0	692.3	
4913	0.0	91.3	
20	0.5	90.8	
30	1.0	90.3	
40	1.5	89.8	
50	4.0	87.3	
60	8.0	83.3	
70	10.5	80.8	
80	12.0	79.3	
90	13.5	77.8	
5000	14.0	77.3	
10	12.0	79.3	
20	12.0	79.3	
30	11.0	80.3	
40	9.5	81.8	
50	7.5	83.8	
60	3.0	88.3	
70	1.0	90.3	
80	0.5	90.8	
92	0.0	91.3	

Albert - Converse Hill - Simpson (Rec.)

Puddle Core Samples March 10, 1934 - A.M.

Gauge 691.3

(61)

Sample #	Water Depth	Sample Depth	North	East	Top of Puddle Core 2/5/34
2287	16.0	16.0 - 18.0	3200	5035	669.5
2288	16.5	16.5 - 20.5	"	5020	664.5
2289	"	20.5 - 22.5	"	"	"
2290	17.5	21.5 - 22.5	"	5000	666.5
2291	12.0	16.0 - 19.0	"	4980	666.0
2292	14.0	14.0 - 18.0	"	4973	666.5
2293	"	18.0 - 21.0	"	"	"
					1/27/34
2294	13.0	14.0 - 16.0	3300	5035	675.0
2295	14.0	15.5 - 17.0	"	5020	672.5
2296	12.5	17.5 - 19.0	"	5000	671.0
2297	13.0	14.5 - 16.0	"	4980	671.0
2298	12.5	16.0 - 18.0	"	4973	671.5
2299	10.0	10.0 - 11.0	3400	5035	675.5
2300	11.5	11.5 - 15.5	"	5020	670.0
2301	"	16.0 - 16.5	"	"	"
2302	12.0	12.0 - 16.0	"	5000	671.0
2303	11.5	11.5 - 12.5	"	4980	672.0
2304	"	16.0 - 17.0	"	"	"
2305	10.0	10.0 - 14.0	"	4973	673.0
2306	"	14.0 - 18.0	"	"	"

Beach Samples.

March 10, 1934

Sample #	Sample Elev.	North	East
2307	690.0-691.5	3200	5080
2308	690.0-692.0	"	5090
2309	689.0-692.5	"	5100
2310	690.0-691.5	3300	5080
2311	690.0-692.0	"	5090
2312	689.0-692.5	"	5100
2313	690.0-691.5	3400	5080
2314	690.0-692.0	"	5090
2315	689.0-692.5	"	5100

3/28/34. Converse Albert Hill.

Beach Samples.

W.S. 691.0

Sample	Sample Elev.	North	East
2430	690.5	3500	5060
2431	691.0		5070
2432	691.0		5080
2433	690.5	3550	5060
34	691.0		5070
35	691.0		5080
36	690.5	3600	5060
37	91.0		5070
38	91.0		5080
39	690.5	3650	5060
2440	91.0		5070
41	91.0		5080
42	690.5	3700	5060
43	91.0		5070
44	91.0		5080
45	690.5	3750	5060
46	91.0		5070
47	91.0		5080
48	690.5	3800	5060
49	91.0		5070
50	91.0		5080

Beach Samples Contd.

Sample	Sample Elev.	North	East
2151	690.5	3850	5060
52	91.0		5070
53	91.0		5080
54	690.5	3900	5060
55	91.0		5070
56	91.0		5080
57	690.5	3950	5060
58	91.0		5070
59	91.0		5080
60	690.5	4000	5060
61	91.0		5070
62	91.0		5080
63	691.5	3400	4890
64	91.0		4970
65	90.5		4950
68	690.5	3350	4950
67	91.0		4970
66	91.5		4890
69	91.5	3300	4890
70	91.0		4970
71	90.5		4950

Beach Samples - Contd.

Sample	Sample Elev.	North	East.
2172	691.5	3250	4890
73	91.0		4970
74	90.5		4950
75	690.5	3200	4890
76	690.5		4970
77	690.5		4950

March 31-1934 — Gauge 690 2/5

Puddle Core Samples

Sample #	water Depth	Sample Depth	North	East
2481	7.5	12-16	3225	5033
2482	"	16 5/8 18	"	"
2483	15.5	18-22	"	5020
2484	11.5	15-19	"	5000
2485	"	18-21	"	"
2486	10.0	18-22	"	4980
2487	14.0	18-22	"	4974
2488	10.0	16-18	3200	5033
2489	13.5	18-21	"	5020
2490	12.5	14-18	"	5000
2491	"	18-22	"	"
2492	9.5	14-18	"	4980
2493	"	17-20	"	"
2494	10.0	14-18	"	4974

March 31-1934 — Gauge 690 2/5 64

Sample #	water Depth	Sample Depth	North	East
2495	9.5	11-15	3175	5033
2496	"	15-19	"	"
2497	9.5	14-18	"	5020
2498	"	18-20	"	"
2499	10.0	14-18	"	5000
2500	"	18-20	"	"
2501	7.5	14-18	"	4980
2502	"	18-21	"	"
2503	7.0	14-18	"	4974

Albert-Hill.
Converse-Simpson

Puddle Core Samples

Apr. 3, 1934

Gauge 690.0

Sample #	Water Depth	Sample Depth	North	East	Sample Depth 3/14/34
2504	7.5	17.0-19.0	3250	5033	673-671
2505	9.0	17.0-21.0	"	5020	672-669
2506	8.0	17.0-21.0	"	5000	673-669
2507	11.0	17.0-21.0	"	4980	673-661
2508	10.0	16.0-20.0	"	4974	673.5-672.5
					Sample Depth 3/15/34
2509	10.5	10.5-14.5	3275	5033	678.5-677.5
2510	10.0	17.0-20.0	"	5020	672.5-671.5
2511	11.5	18.0-22.0	"	5000	670.5-669.5
2512	13.0	13.0-17.0	"	4980	676.5-674.5 672.5-671.5
2513	"	17.0-19.0	"	"	
2514	11.5	14.5-16.0	"	4974	677.5-675.5 674.5-672.5
2515	"	16.0-18.5	"	"	

Puddle Core Samples - cont'd.

Apr. 3, 1934

Gauge 690.0

Sample #	Water Depth	Sample Depth	North	East	
2516	7.5	10.0-13.0	3300	5033	679.5-677.5
2517	10.5	11.0-16.0	"	5020	679.0-678.0 677.0-674.0
2518	9.0	15.0-19.0	"	5000	675.0-671.5
2519	10.0	14.0-16.0	"	4980	676.0-675.0 673.5-672.5
2520	8.5	12.5-16.5	"	4974	674.5-672.5
					Sample Depth 3/6/34
2521	9.0	14.0-18.0	3325	5033	676.0-672.0
2522	12.0	16.0-20.0	"	5020	673.0-671.0
2523	9.0	16.0-20.0	"	5000	673.5-671.5
2524	8.0	17.0-19.0	"	4980	673.0-671.0
2525	6.5	14.0-15.0	"	4974	677.5-676.3 673.0-672.0
2526	"	15.0-17.0	"	"	
2527	9.0	14.0-18.0	3350	5033	
2528	12.5	16.0-17.0	"	5020	
2529	"	17.0-19.0	"	"	
2530	10.0	16.0-20.0	"	5000	
2531	6.0	15.0-19.0	"	4980	
2532	6.0	12.5-18.0	"	4974	

Puddle Core Samples Cont'd.

Apr. 3 1934

Gauge 690.0

Sample #	Water Depth	Sample Depth	North	East	Sample Depth 3/13/34
2533	8.5	8.5-12.5	3375	5033	681.0 - 680.0
2534	11.0	14.0-18.0	"	5020	674.0 - 673.5
2535	15.0	12.5-16.5	"	5000	677.5 - 673.5
2536	9.0	14.0-16.0	"	4980	674.5 - 673.5
2537	6.0	13.0-17.0	"	4974	677.0 - 673.0

Observation Sampling to Guide Mixing Machine

Sand 6.0-12.0	3.0		3450	5033
Sand 11.0-12.0	4.5		"	5020
" 14.0-15.0				
Sand 14.0-14.5	6.5		"	5000
16.0-20.0	O.K.			
Sand 9.0-10.0	5.0		"	4980
10.0-19.0	- O.K.			
Sand 6.0-8.0	3.5		"	4974
8.0-14.0	- O.K.			

Observation Sampling to Guide Mixing Machine

Apr. 3 1934

(66)

Gauge 690.0

	Water Depth	Sample Depth	North	East
Sand 9.0-15.0	3.5		3475	5033
Sand 10.0-11.0	4.5		"	5020
" 14.0-17.5				
Sand 10.0-12.0	6.5		"	5000
" 16.5-17.5				
O.K.	4.5		"	4980
O.K.	3.5		"	4974
Sand 8.0-9.0	3.0		3500	5033
" 10.0-11.0				
Sand 10.0-11.0	4.0		"	5020
" 18.0-19.0				
Sand 16.0-18.0	7.5	Very Course	"	5000
Sand 16.0-18.0	6.0		"	4980
Sand 15.0-16.0	3.0		"	4974

ALBERT – HILL APRIL 4, 1934 Gouge 689.5

Observation Sampling to Guide Mixing Machine

Water Depth	N.	E.	Sand Location
3.5	3525	5033	8.0-9.0 — 13.5-15.0
5.0	"	5020	17.0-18.0
5.5	"	5000	O.K.
5.0	"	4980	14.0-15.0
4.5	"	4974	14.0-15.0
3.5	3550	5033	7.0-12.5
4.5	"	5020	9.5-12.0
8.5	"	5000	17.0-19.0
5.5	"	4980	O.K.
4.0	"	4974	O.K.
3.5	3575	5033	15.0-?
6.0	"	5020	17.0-19.0
8.0	"	5000	O.K.
5.0	"	4980	O.K.
4.0	"	4974	O.K.

Albert-Hill Simpson-(Roc.) Puddle Core Samples. (67)

April 5, 1934 Gouge 689.5

Sample #	Water Depth	Sample Depth	North	East
2538	4.5	10.0-14.0	3400	5033
2539	"	14.0-17.0	"	"
2540	9.0	15.5-18.5	"	5020
2541	7.0	16.0-20.0	"	5000
2542	6.5	9.0-13.0	"	4980
2543	"	15.0-16.0	"	"
2544	5.0	13.0-17.0	"	4974
2545	4.5	9.5-13.5	3425	5033
2546	"	13.5-16.5	"	"
2547	7.5	11.0-15.0	"	5020
2548	"	15.0-18.0	"	"
2549	9.5	14.0-18.0	"	5000
2550	6.0	14.0-18.0	"	4980
2551	4.5	9.5-13.5	"	4974
2552	"	13.5-17.5	"	"

Albert - Hill. Puddle Core Samples Contd. Gauge 689.5

April 5, 1934

Sample #	Water Depth	Sample Depth	North	East
2553	5.5	8.0 - 12.0	3450	5033
2554	"	12.0 - 15.0	"	"
2555	6.5	12.0 - 15.0	"	5020
2556	6.5	16.0 - 18.0	"	5000
2557	6.5	8.5 - 10.0	"	4980
2558	"	12.0 - 16.0	"	"
2559	4.0	10.0 - 14.0	"	4974
2560	"	14.0 - 18.0	"	"

Puddle Core Samples Contd.

April 6, 1934 Gauge 689.5

Sample #	Water Depth	Sample Depth	North	East
2564	3.5	8.5 - 9.5	3475	5033
2565	"	11.5 - 14.0	"	"
2566	7.5	13.0 - 17.0	"	5020
2567	8.5	16.0 - 18.0	"	5000
2568	5.5	12.0 - 16.0	"	4980
2569	3.5	11.0 - 15.0	"	4974

Albert - Converse Hill - Simpson. Puddle Core Samples Contd. (68)

April 6, 1934 Gauge 689.5

Sample #	Water Depth	Sample Depth	North	East	
2570	4.0	9.0 - 11.0	3500	5033	
2571	5.5	17.5 - 19.0	"	5020	
2572	10.0	15.0 - 18.0	"	5000	Sand
2573	6.5	16.0 - 17.0	"	4980	
2574	3.5	14.5 - 16.0	"	4974	
2575	5.0	14.0 - 15.0	3525	5033	Impenetratable
2576	8.0	16.0 - 20.0	"	5020	
2577	9.0	15.0 - 19.0	"	5000	
2578	5.0	13.0 - 16.5	"	4980	
2579	3.5	14.0 - 15.0	"	4974	
2580	6.5	9.5 - 11.0	3550	5033	Sand
2581	"	14.0 - 15.0	"	"	Sand
2582	8.0	13.5 - 16.0	"	5020	
2583	9.0	16.5 - 20.5	"	5000	
2584	6.5	12.0 - 16.0	"	4980	
2585	4.5	8.0 - 12.0	"	4974	

Observation Sampling to Guide Mixing Operations

April 6, 1934

Gauge 689.5

North	East	Sand Location
3600	5033	9.0-12.0
"	5020	17.0 to ?
"	5000	15.0 to? impenetratable
"	4980	9.0-11.0 — 15.0-16.0
3625	5033	12.0-13.0
"	5020	10.0-11.0 — 14.0 to ?
"	5000	10.5-12.5 — 16.0 to ?
"	4980	10.0-11.0 impenetrable at 16'
3650	5033	11.0-12.0
"	5020	15.0-16.5
"	5000	20.0-21.0
"	4980	O.K.

Albert-Hill Simpson.

Puddle Core Samples

April 7, 1934

(69)

Gauge 689.5

Sample #	Water Depth	Sample Depth.	North	East	
2586	6.0	11.0-14.0	3575	5033	Sand.
2587	"	15.0-17.0	"	"	Sand
2588	7.0	18.0-20.0	"	5020	Sand
2589	9.5	18.5-22.5	"	5000	O.K.
2590	6.0	13.0-17.0	"	4980	O.K.
2591	4.5	11.0-15.0	"	4974	O.K.
2592	5.0	10.5-11.5	3600	5033	?
2593	7.5	13.0-14.5	"	5020	Sand
2594	"	17.0-18.0	"	"	?
2595	9.5	15.5-19.5	"	5000	O.K ?
2596	6.0	17.0-18.0	"	4980	Sand
2597	4.5	8.0-12.0	"	4974	O.K.
2598	"	12.0-15.0	"	"	O.K.
2599	4.5	12.5-14.0	3625	5033	Sand
2600	"	17.0-18.0	"	"	Sand
2601	7.5	14.0-18.0	"	5020	O.K.
2602	8.5	15.0-19.0	"	5000	O.K.
2603	6.0	10.0-11.0	"	4980	?

Cont'd on Next Page.

Puddle Core Samples Contd.
April-7-1934

Gauge 689.5

Sample #	Water Depth	Sample Depth	North	East	
2604	6.0	13.5-15.0	3625	4980	Sand
2605	4.5	13.5-15.0	"	4974	Sand

Albert-Hill
Brachman-Simpson

Puddle Core Samples
April-9-1934

Gauge 689.5

2606	7.0	15.0-18.0	3650	5033	O.K.
2607	7.0	11.0-15.0	"	5020	O.K.
2608	"	16.0-17.5	"	"	Sand
2609	5.0	15.0-19.0	"	5000	O.K.
2610	6.0	13.5-15.0	"	4980	Sand?
2611	4.5	8.0-12.0	"	4974	Impenetrable at 8'
2612	"	13.0-14.0	"	"	Sand
2613	8.5	13.0-16.5	3675	5033	
2614	8.5	14.0-17.0	"	5020	
2615	"	18.0-20.0	"	"	Sand?
2616	7.5	15.0-19.0	"	5000	O.K.
2617	7.0	17.0-18.0	"	4980	Impenetrable at 18' Sand
2618	4.5	16.0-17.0	"	4974	

Albert-Hill
Simpson

133718

Puddle Core Samples
April-10-1934

Gauge 689.0

Sample #	Water Depth	Sample Depth	North	East	
2622	5.0	15.0-16.0	3700	5033	Sand
2623	7.0	13.5-14.5	"	5020	Sand
2624	9.0	15.5-19.5	"	5000	O.K.
2625	8.5	12.0-13.0	"	4980	Sand
2626	3.5	13.0-14.0	"	4974	Impenetrable
2627	8.5	14.0-18.0	3725	5033	O.K.
2628	10.5	15.5-19.5	"	5020	O.K.
2629	7.5	15.0-19.0	"	5000	O.K.
2630	6.5	11.0-15.0	"	4980	?
2631	"	15.0-17.0	"	"	Sand
2632	5.0	14.5-15.5	"	4974	Sand?

Albert - Hill
Simpson - Yelle

Puddle Core Samples
April - 11, 1934

Gouge 689.0

Sample #	Water Depth	Sample Depth	North	East	
2638	6.5	15.0 - 18.0	3750	5033	
2639	6.0	13.5 - 14.5	"	5020	sand?
2640	"	15.0 - 17.0	"	"	
2641	9.0	15.0 - 18.0	"	5000	
2642	6.0	11.0 - 12.0	"	4980	Sand
2643	"	13.0 - 16.0	"	"	Sand
2644	4.0	10.0 - 11.0	"	4974	Sand
2645	7.0	14.0 - 18.0	3775	5033	o.k.
2646	7.0	15.0 - 19.0	"	5020	o.k
2647	10.0	17.0 - 21.0	"	5000	o.k.
2648	5.5	14.0 - 15.0	"	4980	Sand
2649	"	15.0 - 16.0	"	"	Sand
2650	4.5	13.0 - 14.0	"	4974	Sand
2651	"	14.0 - 16.0	"	"	o.k.

1931713

Albert - Hill
Simpson - Yelle

Puddle Core Samples
April - 12, 1934

(91)

Gouge 689.0

Sample #	Water Depth	Sample Depth	North	East	
2655	6.0	9.0 - 13.0	3800	5033	
2656	8.5	14.0 - 17.0	"	5020	
2657	8.0	14.0 - 18.0	"	5000	
2658	4.0	14.0 - 15.0	"	4980	impenetrable
2659	3.0	10.5 - 13.5	"	4974	"
2660	2.5	8.0 - 9.5	3825	5033	Sand
2661	4.5	13.0 - 17.0	"	5020	
2662	6.5	14.0 - 18.0	"	5000	o.k.
2663	3.5	10.5 - 14.5	"	4980	
2664	"	14.5 - 16.0	"	"	?
2665	3.0	11.0 - 12.0	"	4974	
2666	3.0	11.0 - 150	3850	5033	
2667	6.5	11.0 - 12.0	"	5020	Sand
2668	"	12.0 - 16.0	"	"	
2669	7.0	12.0 - 16.0	"	5000	
2670	4.0	13.0 - 16.0	"	4980	impenetrable
2671	3.5	11.0 - 13.0	"	4974	"

Albert-Hill
Simpson-Yelle.

Puddle Core Samples
April-12.1934

Gauge 689.0

Sample #	Water Depth	Sample Depth	North	East	
2672	3.0	8.0-12.0	3875	5033	
2673	"	12.0-13.0	"	"	
2674	5.0	12.0-13.0	"	5020	Sand
2675	8.0	13.5-14.5	"	5000	Sand
2676	5.0	14.0-17.0	"	4980	O.K.
2677	4.0	13.0-14.0	"	4974	impenetrable Sand
2678	3.0	12.5-16.5	3900	5033	
2679	4.5	10.5-13.0	"	5020	Sand
2680	7.0	12.0-13.0	"	5000	Sand
2681	5.0	9.5-13.5	"	4980	
2682	4.0	8.5-10.0	"	4974	?
2683	3.5	8.0-9.5	3925	5033	Sand
2684	"	12.0-16.0	"	"	O.K.
2685	4.5	11.0-13.0	"	5020	Sand
2686	6.5	13.0-15.0	"	5000	Sand
2687	4.0	10.0-14.0	"	4980	O.K.
2688	"	14.0-18.0	"	"	O.K.
2689	3.5	12.0-13.0	"	4974	?

Albert-Hill
Simpson-Yelle

Puddle Core Samples
April-12 1934

Gauge 689.0

Sample #	Water Depth	Sample Depth	North	East.	
2690	4.0	8.0-10.0	3950	5033	Sand
2691	"	12.0-13.5	"	"	?
2692	5.0	9.5-11.5	"	5020	Sand
2693	"	14.0-15.0	"	"	Sand
2694	6.5	13.5-17.5	"	5000	O.K.
2695	4.5	12.0-13.0	"	4980	Sand
2696	4.5	11.0-14.0	"	4974	

Albert - Hill
Brachman - Simpson

Puddle Core Samples
April - 13, 1934

Sample #	Water Depth	Sample Depth	North	East	Gauge 689.0
2697	5.5	14.0 - 18.0	3500	5033	o.k.
2698	9.0	17.0 - 18.0	"	5020	?
2699	10.5	15.0 - 17.5	"	5000	?
2700	6.0	16.5 - 18.0	"	4980	Sand
2701	4.0	11.0 - 15.0	"	4974	o.k.
2702	8.5	13.0 - 14.0	3625	5033	
2703	"	18.0 - 19.0	"	"	
2704	12.0	14.5 - 18.0	"	5020	o.k.
2705	8.5	14.0 - 18.0	"	5000	o.k.
2706	6.5	10.5 - 14.5	"	4980	
2707	4.5	9.0 - 10.5	"	4974	Sand
2708	"	12.0 - 15.5	"	"	

Albert - Hill
Brachman - Simpson

Puddle Core Samples
April - 16, 1934

Gauge 689.5

Sample #	Water Depth	Sample Depth	North	East	
2709	9.0	12.5 - 16.5	3925	5033	
2710	9.5	14.0 - 18.0	"	5020	
2711	10.0	14.0 - 18.0	"	5000	
2712	6.0	8.5 - 12.5	"	4980	
2713	5.0	9.5 - 11.0	"	4974	Sand
2714	7.0	12.5 - 16.5	3900	5033	
2715	9.5	13.5 - 17.5	"	5020	
2716	9.0	14.0 - 17.0	"	5000	
2717	6.0	11.0 - 14.0	"	4980	
2718	6.0	11.0 - 13.5	"	4974	

Albert - Hill
Simpson - Yelle

Puddle Core Samples
April - 19, 1934

Gauge - 689.5

Sample #	Water Depth	Sample Depth	North	East	
2719	6.5	11.0 - 15.0	3875	5033	
2720	11.5	14.0 - 18.0	"	5020	
2721	10.0	14.5 - 18.5	"	5000	
2722	6.5	11.0 - 15.0	"	4980	
2723	"	15.0 - 18.0	"	"	
2724	6.5	11.0 - 15.0	"	4974	
2725	8.0	9.0 - 13.0	3450	5033	
2726	"	13.0 - 17.0	"	"	
2727	7.0	13.0 - 15.0	"	5020	Sand
2728	9.0	16.0 - 17.5	"	5000	Sand
2729	6.5	11.0 - 12.0	"	4980	
2730	"	15.0 - 16.0	"	"	
2731	4.0	8.0 - 9.0	"	4974	
2732	"	12.0 - 16.0	"	"	

Albert - Hill
Brachman - Simpson

Puddle Core Samples
April - 21, 1934

Gauge - 690.0

Sample #	Water Depth	Sample Depth	North	East	
2734	6.0	12.0 - 13.0	3450	5033	Sand
2735	8.0	13.5 - 14.5	"	5020	Sand
2736	11.0	17.5 - 19.0	"	5000	
2737	9.0	10.0 - 11.0	"	4980	
2738	"	15.0 - 17.5	"	"	
2739	4.0	8.0 - 12.0	"	4974	
2740	"	13.5 - 16.0	"	"	

Feb. 19, 1934 — Gauge 685.0

Sample #	Water D.	Sample D.	N	E
2123	6.5	9-13 6.5-14.5	3850	4973
2124	7.0	11-15 7-15	"	4980
2125	8.0	12-16 8-12	"	5000
2126	7.0	11-15 7-11	"	5020
2127 Sand	6.5	7.5-8.5 Sand strata 10.5-14.5	"	5035
2128	6.0	9-11 6-14	3800	4973
2129	7.0	11-15 7-11	"	4980
2130	76.5 8.5	12.5-16.5 8.5-12.5	"	5000
2131	8.0	12-16 8-12	"	5020
2132	6.5	6.5-14.5	"	5035

Albert Hill Converse — April 30, 1934 — Gauge 690.0 — (75)

Sample	Water D.	Sample	N	E	
2742	4.5	11°-13°	3440	5033	4-13
2743	6.5	13°-17°	3440	5020	13.5-15.5
2744	7.0	16°-19½	3440	5010	
2745	7.0	16°-19½	"	5000	17.5-19.0
2746	7.0	13½-15	"	4990	
2747	5.0	9°-10°	"	4980	10-11 15-17.5
2748	"	16°-17°	"	"	8-12 13.5-16
2749	3.5	8°-11°	"	4974	
2750		11½-15½	"	"	
2751	9.0	14°-18°	3450	5010	13.5-19
2752		18°-21°	"	"	
2753	8.0	11°-15°	"	4990	
2754	"	15°-18°	"	"	
2755	4.0	8½-11½	3460	5033	
2756	"	11½-13½	"	"	
2757	7.5	13°-17°	"	5020	
2758	9.5	14°-16°	"	5010	

Contd. April 30. 1934
Gauge 690.

	Water	Sample	N.	E	
2759	10.0	15°-18°	3460	5000	17.5-18
2760	9.0	15°-18°	"	4990	17.5
2761	6.0	10°-11°	"	4980	
2764	5.0	7°-8°	"	4974	
2763		12°-16°	"	"	

May-11-1934
Gauge - 690.0

2767	4.5	10.5-11.5	3600	5033	Sand.
		11.5-16.0	O.K., no sample		
2768	6.5	14.0-15.0	3600	5020	Sand
		15.0-18.0	O.K., No Sample		
2769	8.5	15.5-16.0	3600	5010	Sand
		impenetrable at 16'			
2770	8.0	17.0-20.0	3600	5000	O.K.
2771	8.0	15.0-18.0	"	4990	O.K.
2772	6.0	15.0-16.0	"	4980	Sand
		impenetrable at 16'			
2773	4.5	10.0-11.0	3600	4974	Sand.
2774	"	12.0-13.0	"	"	?

Albert-Hill Converse-Simpson

Puddle Core Samples contd. (76)
May-11-1934
Gauge 690.0

Sample #	Water Depth	Sample Depth	North	East.	
2775	6.0	11.5-12.0	3900	4985	Sand
2776	"	16.0-16.5	"	"	"
		impenetrable at 16.5'			
2777	6.5	12.0-13.0	3850	5015	Sand
2778	4.5	17.0-17'2"	3800	4985	"
		impenetrable at 17'			
			3800	5015	O.K.
2779	5.0	10.0-11.0	3750	4985	sand
2780	"	12.0-13.0	"	"	"
		impenetrable at 16'			
2781	6.0	16.0-17.0	3700	5015	Sand
2782	5.0	13.0-14.0	"	4985	Sand
			3650	O.K.	
		No samples Taken observation only	3550	"	
			3500	"	
2783	6.0	16.0-17.5	3400	4985	Sand
2784	5.5	16.0-17.0	3350	4985	Sand
2785	7.0	16.5-17.5	3300	5015	Sand impenetrable
2786	6.5	15.5-17.0	3300	4985	Sand impenetrable

Puddle Core Samples - Cont'd.
May-11-1934

Gauge 690.0

Sample #	Water Depth	Sample Depth	North	East	
			3250	4985	O.K.
2787	4.0	13.0-15.0	3250	5015	Sand
impenetrable at 20'			3200	5015	
2788	7.0	18.0-19.0	3200	4985	Sand
2789	4.5	6.5-7.5	3150	5015	Sand
			"	4985	O.K.

Puddle Core Samples - Cont'd
June 4-1934

Gauge 689.5

No Sample	6.5	16.5-	3400	4995	at 16.5 hit impenetrable Sand
2800	6.0	16.0-18.0	3400	5005	O.K.
2801	7.5	15°-16°	3375	4995	Sand
2802	5.5	16°-18.5	3375	5005	O.K.
2803	5.5	16°-19°	3350	4995	O.K.
2804	6.0	16°-19.5	3350	5005	O.K.
2805	4.5	16.5-17°	3325	4995	Sand Impenetrable
2806	5.0	18°-19.5	3325	5005	Sand
2807	5.5	16°-17	3300	4995	Sand
2808	6.5	17°-17.5	3300	5005	Sand Impenetrable
2809	3.5	16°-19°	3275	4995	O.K.
2810	5.5	16°-20°	3275	5005	O.K.

Puddle Core Samples - Cont'd
June 4 - 1934

Gauge 689.5

(77)

Sample	Water Depth	Sample Depth	North	East	
2811	7.5	16°-20°	3250	4995	O.K.
2812	6.0	16°-20°	3250	5005	O.K.
2813	6.0	16°-20	3225	4995	O.K.
2814	3.5	16°-19°	3225	5005	O.K.
2815	4.0	16°-20°	3200	4995	O.K.
2816	4.0	16°-20°	3200	5005	O.K.
2817	5.0	16°-20°	3175	4995	O.K.
2818	7.5	16°-18°	3175	5005	O.K.

Puddle Core Samples Cont'd.
June 12-1934

Gauge 689.0

2824	7.0	15-17.5	3425	4990	O.K.
2825	5.0	15.5-18°	3400	4990	O.K.
2826	5.0	17°-17.5	3375	4990	Sand
2827	5.5	17°-18°	3350	4990	O.K.
2828	4.0	16°-18.5	3325	4990	Sand
2829	6.5	16°-18°	3300	4990	O.K.

Puddle Core Samples Contd

June 13-1934 Gauge 689.0

Sample #	Water Depth	Sample Depth	North	East	
2830	6.5	15°-18°	3490	5010	O.K.
2831	7.0 Also	16°-18° same	3475 result at	5015 E 5010	Sand
2832	6.5	16°-18°	3450	5010	O.K.
2833	6.0	16°-17°	3425	5010	impenetrable below 17° Sand

Max. depth of pool & location

Max. width & location N. 3400 South

Max. height of beach and location

N. 3450. Dn. st. beach 693.5

Upst. = 693.0

Pumps supply stop 3/8 10 A.M. Elev. 691.6

3200 - 5010 = 668.5

Trucks 3, 7, 1, 8, 20, 5, 23, 15, 1, 6, 2.
Cletrac & dim
Cat 60 & Mc.
1 checker

DISTANCES FROM CENTER OF ROADWAY FOR CROSS-SECTIONING.

ROADWAY 14 FEET WIDE. SIDE SLOPES $1^1/_2$ TO 1.

FOR SINGLE TRACK EMBANKMENT.

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	7.0	7.2	7.3	7.5	7.6	7.8	7.9	8.1	8.2	8.4	0
1	8.5	8.7	8.8	9.0	9.1	9.3	9.4	9.6	9.7	9.9	1
2	10.0	10.2	10.3	10.5	10.6	10.8	10.9	11.1	11.2	11.4	2
3	11.5	11.7	11.8	12.0	12.1	12.3	12.4	12.6	12.7	12.9	3
4	13.0	13.2	13.3	13.5	13.6	13.8	13.9	14.1	14.2	14.4	4
5	14.5	14.7	14.8	15.0	15.1	15.3	15.4	15.6	15.7	15.9	5
6	16.0	16.2	16.3	16.5	16.6	16.8	16.9	17.1	17.2	17.4	6
7	17.5	17.7	17.8	18.0	18.1	18.3	18.4	18.6	18.7	18.9	7
8	19.0	19.2	19.3	19.5	19.6	19.8	19.9	20.1	20.2	20.4	8
9	20.5	20.7	20.8	21.0	21.1	21.3	21.4	21.6	21.7	21.9	9
10	22.0	22.2	22.3	22.5	22.6	22.8	22.9	23.1	23.2	23.4	10
11	23.5	23.7	23.8	24.0	24.1	24.3	24.4	24.6	24.7	24.9	11
12	25.0	25.2	25.3	25.5	25.6	25.8	25.9	26.1	26.2	26.4	12
13	26.5	26.7	26.8	27.0	27.1	27.3	27.4	27.6	27.7	27.9	13
14	28.0	28.2	28.3	28.5	28.6	28.8	28.9	29.1	29.2	29.4	14
15	29.5	29.7	29.8	30.0	30.1	30.3	30.4	30.6	30.7	30.9	15
16	31.0	31.2	31.3	31.5	31.6	31.8	31.9	32.1	32.2	32.4	16
17	32.5	32.7	32.8	33.0	33.1	33.3	33.4	33.6	33.7	33.9	17
18	34.0	34.2	34.3	34.5	34.6	34.8	34.9	35.1	35.2	35.4	18
19	35.5	35.7	35.8	36.0	36.1	36.3	36.4	36.6	36.7	36.9	19
20	37.0	37.2	37.3	37.5	37.6	37.8	37.9	38.1	38.2	38.4	20
21	38.5	38.7	38.8	39.0	39.1	39.3	39.4	39.6	39.7	39.9	21
22	40.0	40.2	40.3	40.5	40.6	40.8	40.9	41.1	41.2	41.4	22
23	41.5	41.7	41.8	42.0	42.1	42.3	42.4	42.6	42.7	42.9	23
24	43.0	43.2	43.3	43.5	43.6	43.8	43.9	44.1	44.2	44.4	24
25	44.5	44.7	44.8	45.0	45.1	45.3	45.4	45.6	45.7	45.9	25
26	46.0	46.2	46.3	46.5	46.6	46.8	46.9	47.1	47.2	47.4	26
27	47.5	47.7	47.8	48.0	48.1	48.3	48.4	48.6	48.7	48.9	27
28	49.0	49.2	49.3	49.5	49.6	49.8	49.9	50.1	50.2	50.4	28
29	50.5	50.7	50.8	51.0	51.1	51.3	51.4	51.6	51.7	51.9	29
30	52.0	52.2	52.3	52.5	52.6	52.8	52.9	53.1	53.2	53.4	30
31	53.5	53.7	53.8	54.0	54.1	54.3	54.4	54.6	54.7	54.9	31
32	55.0	55.2	55.3	55.5	55.6	55.8	55.9	56.1	56.2	56.4	32
33	56.5	56.7	56.8	57.0	57.1	57.3	57.4	57.6	57.7	57.9	33
34	58.0	58.2	58.3	58.5	58.6	58.8	58.9	59.1	59.2	59.4	34
35	59.5	59.7	59.8	60.0	60.1	60.3	60.4	60.6	60.7	60.9	35
36	61.0	61.2	61.3	61.5	61.6	61.8	61.9	62.1	62.2	62.4	36

Calculated by Julien A. Hall, M. Am. Soc. C. E.

MADE IN GERMANY.