TABLE 4.1

Summary of Discharge Measurements
St. Clair River
1868

Meas. No.	Date	Water Levels (Feet)	Panels Meas.	Discharge (TCFS)
1	Jun 27	5.87	1,3	216.2
2	Jun 29	5.78	4,5	217.5
3	Jun 30	5.82	6,7	221.4
4	Jul 1	5.81	7	214.2
5	Jul 2	5.77	7,8	205.6
6	Jul 7	5.89	2,3,5-8	218.5
7	Jul 8	5.85	1,2	219.8
8	Jul 9	5.85	2,3	229.1
9	Jul 10	5.84	3	220.8
10	Jul 16	5.86	4	223.4
11	Jul 18	5.85	4	213.9
12	Jul 20	5.83	5	220.1
13	Jul 21	5.84	6	222.7
14	Jul 22	5.84	6,7	224.5
15	Jul 24	5.88	6,8	236.6
16	Jul 25	5.88	1,2	215.6
17	Jul 27	5.80	2,3	217.2
18	Jul 28	5.80	3,4	216.2
19	Jul 29	5.75	1,3-8	212.9
20	Jul 30	5.76	5	212.5
21	Aug 5	5.82	7	232.2
22	Aug 6	5.76	5	216.4
23	Aug 7	5.69	6	200.8
24	Aug 10	5.75	2,3,5,6	218.8
25	Aug 11	5.76	7,8	219.1
26	Aug 12	5.83	2,3,5,6	216.4
27	Aug 13	5.78	1-3	215.7
28	Aug 14	5.76	3-5,7,8	209.8
29	Aug 15	5.67	5,6	213.7
30	Aug 17	5.70	6,7	223.5
31	Aug 21	5.72	1	221.6
32	Aug 22	5.71	3,7	211.5
33	Aug 24	5.68	2,4-7	210.2
34	Aug 25	5.62	1,2	213.6
35	Aug 26	5.68	3	222.4

TABLE 4.1
(Continued)

Summary of Discharge Measurements
St. Clair River
1868

Meas. No.	Date	Water Levels (Feet)	Panels Meas.	Discharge (TCFS)
36	Sep 1	5.66	2	220.0
37	Sep 2	5.59	7,8	194.0
38	Sep 4	5.61	5	221.4
39	Sep 9	5.65	1	198.4
40	Sep 10	5.55	2,6	206.4
41	Sep 11	5.65	5	224.3
42	Sep 12	5.53	6,8	216.8
43	Sep 14	5.58	2,4	204.2
44	Sep 17	5.66	2,5	206.5

TABLE 4.2

Summary of Discharge Measurements
St. Clair River
Dry Dock Section
1899

Meas No.	Date	Water Levels (Feet, M.T.N.Y.*) GTR	Dry Dock	Discharge (TCFS)
1	Apr 29	578.85	578.03	188.0
2	May 1	578.75	578.00	183.6
3	May 3	579.12	578.17	191.2
4	May 4	578.96	578.07	189.7
5	May 5	579.02	578.15	190.9
6	May 6	579.04	578.20	194.2
7	May 23	579.33	578.46	201.6
8	May 25	579.18	578.34	194.0
9	May 29	579.24	578.42	194.4
10	May 31	579.14	578.33	186.5
11	Jun 2	579.44	578.56	204.2
12	Jun 3	579.31	578.44	199.0
13	Jun 5	579.39	578.54	196.0
14	Jun 6	579.43	578.56	203.3
15	Jun 7	579.38	578.52	196.4
16	Jun 8	579.57	578.67	206.7
17	Jun 10	579.56	578.65	205.9
18	Jun 12	579.39	578.60	194.4
19	Jun 13	579.38	578.52	193.3
20	Jun 14	579.50	578.63	194.2
21	Jun 15	579.64	578.78	202.3
22	Jun 16	579.81	578.93	210.8
23	Jun 17	579.66	578.74	205.1
24	Jul 10	579.85	578.96	207.1
25	Jul 11	579.88	578.96	210.6
26	Jul 12	579.85	578.99	211.8
27	Jul 15	579.79	578.93	205.3
28	Jul 17	580.05	579.15	218.9
29	Jul 18	579.89	579.03	206.8
30	Jul 19	579.95	579.06	207.2
31	Jul 20	579.82	578.98	203.9

* Mean Tide at New York

TABLE 4.2
(Continued)

Summary of Discharge Measurements
St. Clair River
Dry Dock Section
1899

Meas No.	Date	Water Levels (Feet, M.T.N.Y.*) GTR	Dry Dock	Discharge (TCFS)
32	Jul 22	579.92	579.04	210.9
33	Jul 24	579.85	579.00	206.0
34	Jul 25	579.85	578.99	206.8
35	Jul 26	579.79	578.94	196.7
36	Jul 27	579.99	579.10	209.3
37	Jul 28	579.88	579.02	205.3
38	Jul 29	579.88	579.03	208.2
39	Aug 3	--------	579.02	206.3
40	Aug 5	--------	579.04	206.0
41	Aug 7	--------	579.06	209.9
42	Aug 8	--------	579.01	208.3
43	Aug 12	--------	578.96	203.1
44	Aug 14	--------	578.97	210.5
45	Aug 15	--------	578.96	210.9
46	Aug 16	--------	578.93	205.4
47	Aug 22	580.02	579.15	217.0
48	Aug 23	579.79	578.92	206.7
49	Aug 24	579.68	578.83	200.3
50	Aug 28	579.71	578.87	206.9
51	Aug 29	579.70	578.86	204.1
52	Aug 30	579.56	578.69	199.9
53	Aug 31	579.62	578.77	200.7
54	Sep 1	579.56	578.74	201.9
55	Sep 6	579.68	578.85	202.8
56	Sep 7	579.40	578.58	192.5
57	Sep 8	579.72	578.86	206.4
58	Sep 9	579.70	478.82	204.3
59	Sep 14	579.71	578.82	205.9
60	Sep 22	579.59	578.75	204.9
61	Oct 10	578.91	578.10	180.9
62	Oct 11	579.08	578.25	190.9
63	Oct 13	578.94	578.14	184.5

TABLE 4.2
(Continued)

Summary of Discharge Measurements
St. Clair River
Dry Dock Section
1899

Meas No.	Date	Water Levels (Feet, M.T.N.Y.*) GTR	Dry Dock	Discharge (TCFS)
64	Oct 14	579.48	578.59	209.2
65	Oct 16	578.80	577.99	180.3
66	Oct 17	579.37	578.51	198.7
67	Oct 18	579.22	578.36	194.4
68	Oct 19	579.34	578.48	197.6
69	Oct 20	579.31	578.42	200.4
70	Oct 23	578.92	578.09	183.0
71	Oct 27	579.26	578.38	198.8
72	Oct 27	579.18	578.33	196.9
73	Oct 28	579.34	578.48	194.6
74	Oct 28	579.39	578.51	196.3
75	Nov 1	579.60	578.68	207.2
76	Nov 1	579.60	578.66	212.5
77	Nov 3	579.34	578.38	204.9
78	Nov 15	578.92	578.11	185.7
79	Nov 16	578.96	578.12	187.6
80	Nov 17	578.43	577.66	174.0
81	Nov 21	578.69	577.89	180.3
82	Nov 23	579.04	578.15	195.2
83	Nov 24	578.98	578.10	192.9
84	Nov 27	578.88	578.07	186.5
85	Nov 28	578.90	578.08	185.4
86	Nov 29	578.82	578.01	181.4
87	Dec 1	578.71	577.98	177.9
88	Dec 2	579.11	578.32	190.8
89	Dec 4	579.24	578.37	200.9
90	Dec 6	579.18	578.34	198.8

* Mean Tide at New York.

TABLE 4.3

Summary of Discharge Measurements
St. Clair River
Dry Dock Section
1900 - 1901

Meas. No.	Date	Water Levels (Feet, M.T.N.Y.) Fort Gratiot	GTR	MBR	Dry Dock	Discharge (TCFS)
1	Jun 19 1900	579.89	579.20	------	578.36	194.4
2	Jun 20	579.77	579.13	------	578.30	191.7
3	Jun 21	579.69	579.08	------	578.25	188.2
4	Jun 22	579.80	579.16	------	578.32	190.4
5	Jun 25	579.91	579.25	------	578.41	191.4
6	Jun 29	580.06	579.40	------	578.53	193.0
7	Jun 30	580.12	579.42	------	578.59	196.5
8	Jul 2	579.68	579.08	------	578.25	182.4
9	Jul 3	579.72	579.12	------	578.30	182.5
10	Jul 5	579.69	579.09	------	578.26	182.2
11	Jul 7	580.04	579.41	------	578.57	191.1
12	Jul 7	579.92	579.28	------	578.45	190.8
13	Jul 23	580.11	579.47	------	578.61	189.5
14	Jul 24	580.19	579.52	------	578.65	191.2
15	Jul 24	580.15	579.46	------	578.58	190.5
16	Jul 25	580.35	579.62	------	578.74	197.9
17	Jul 26	580.40	579.67	------	578.82	200.9
18	Jul 26	580.42	579.65	------	578.80	199.2
19	Jul 28	580.11	579.46	------	578.66	193.3
20	Jul 28	580.14	579.48	------	578.68	194.3
21	Jul 31	580.34	579.66	------	578.86	199.3
22	Aug 1	580.23	579.51	------	578.72	195.0
23	Aug 2	580.07	579.44	------	578.68	189.2
24	Aug 2	580.19	579.54	------	578.73	196.4
25	Aug 4	579.99	579.30	------	578.53	188.2
26	Aug 4	579.95	579.28	------	578.51	186.9
27	Aug 6	580.06	579.37	------	578.60	192.3
28	Aug 8	580.17	579.46	------	578.66	193.8
29	Aug 8	580.19	579.49	------	578.68	192.9
30	Aug 27	580.19	579.49	------	578.71	191.0
31	Sep 4	580.26	579.55	------	578.68	195.1
32	Sep 4	580.23	579.52	------	578.64	193.1
33	Sep 10	------	579.36	------	578.50	191.6

TABLE 4.3
(Continued)

Summary of Discharge Measurements
St. Clair River
Dry Dock Section
1900 - 1901

Meas. No.	Date	Water Levels (Feet, M.T.N.Y.) Fort Gratiot	GTR	Dry MBR	Discharge Dock	(TCFS)
34	Sep 10	580.00	579.36	------	578.49	190.4
35	Sep 12	580.52	579.82	------	578.90	200.6
36	Sep 14	580.27	579.58	------	578.68	196.9
37	Sep 17	580.67	579.95	------	579.01	209.0
38	Sep 18	580.11	579.46	------	578.59	197.1
39	Sep 19	579.89	579.26	------	578.41	185.7
40	Sep 19	579.22	579.85	------	578.37	187.3
41	Nov 8	579.78	579.12	------	578.26	191.6
42	Nov 9	580.02	579.34	------	578.44	198.6
43	Nov 10 1900	579.93	579.31	------	578.42	198.4
44	Nov 13	580.16	579.48	------	578.58	203.3
45	Nov 15	580.15	579.38	------	578.50	200.4
46	Nov 16	579.98	579.20	------	578.34	197.2
47	Nov 30	579.60	579.02	------	578.22	182.5
48	Dec 2	579.86	------	------	578.34	196.6
49	Dec 3	579.77	579.11	------	578.23	191.2
50	Dec 4	579.86	579.17	------	578.26	196.0
51	Dec 5	580.08	579.38	------	578.46	201.1
52	Dec 6	579.86	579.19	------	578.30	190.2
53	Dec 7	580.13	579.38	------	578.42	202.4
54	Dec 8	579.59	578.95	------	578.08	185.6
55	Dec 10	580.07	579.40	------	578.51	201.8
56	Dec 11	580.08	579.43	------	------	204.5
57	Dec 13	580.44	579.69	------	578.73	214.1
58	Dec 15	579.80	579.09	------	578.23	193.8
59	Dec 17	579.41	578.78	------	577.92	183.5
60	Dec 18	579.42	578.80	------	577.96	182.1
61	Dec 19	579.62	579.00	------	578.15	185.2
62	Dec 20	579.93	579.23	------	578.36	198.4
63	Dec 21	579.28	578.68	------	577.82	175.9
64	Dec 22	579.03	578.50	------	577.74	174.2

TABLE 4.3
(Continued)

Summary of Discharge Measurements
St. Clair River
Dry Dock Section
1900 - 1901

Meas. No.	Date	Water Levels (Feet, M.T.N.Y.) Fort Gratiot	GTR	MBR	Dry Dock	Discharge (TCFS)
65	Dec 26	------	578.99	------	578.06	194.2
66	Dec 27	------	578.75	------	577.90	179.7
67	Jan 2 1901	------	579.37	578.87	578.51	195.8
68	Jan 4	------	579.18	578.92	578.37	184.2
69	Jan 7	------	579.08	578.70	578.36	174.2
70	Jan 8	------	578.38	577.96	577.66	159.7
71	Jan 9	------	579.19	578.66	578.27	195.2
72	Jan 10	------	578.68	578.21	577.85	176.9
73	Jan 11	------	578.92	578.39	578.02	185.2
74	Jan 14	------	578.73	578.24	577.89	175.7
75	Jan 15	------	578.90	578.41	578.01	181.2
76	Jan 21	------	579.84	579.61	579.41	156.6
77	Jan 30	------	579.49	579.38	579.28	97.0
78	Feb 2	------	579.25	579.16	579.07	94.5

TABLE 4.4

Summary of Discharge Measurements
St. Clair River
Craig Section
1901

Meas. No.	Date	Water Levels (Feet, M.T.N.Y.) GTR	MBR	Dry Dock	Discharge (TCFS)
1	Feb 4	579.58	579.48	579.31	100.0
2	Feb 5	579.56	579.46	579.21	103.8
3	Feb 6	579.30	579.19	578.93	100.5
4	Feb 7	579.19	579.08	578.81	100.8
5	Feb 8	579.15	579.04	578.74	102.1
6	Feb 12	580.00	579.92	579.50	111.8
7	Feb 16	579.25	579.14	578.76	104.3
8	Feb 19	579.50	579.40	578.97	112.2
9	Feb 20	579.70	579.61	579.16	115.6
10	Feb 21	579.35	579.24	578.84	108.5
11	Feb 23	579.16	579.06	578.62	105.4
12	Feb 25	579.14	579.04	578.56	108.1
13	Feb 26	579.26	579.14	578.68	108.9
14	Feb 27	579.29	579.18	578.83	111.6
15	Feb 28	579.07	578.96	------	105.1
16	Mar 1	578.86	578.72	------	106.3
17	Mar 2	579.40	579.30	------	111.3
18	Mar 4	579.17	579.01	------	113.9
19	Mar 5	579.40	579.26	------	114.7
20	Mar 7	579.02	578.87	------	108.5
21	Mar 8	579.10	578.94	------	113.1
22	Mar 9	579.42	579.29	------	116.1
23	Mar 11	578.70	578.56	------	107.1
24	Mar 12	579.48	579.35	------	119.8
25	Mar 13	579.24	579.11	------	115.9
26	Mar 14	579.07	578.90	------	115.8
27	Mar 15	579.75	579.61	------	126.9
28	Mar 16	579.29	579.16	------	119.3
29	Mar 18	579.38	579.20	------	123.9
30	Mar 19	579.19	579.03	------	117.5
31	Mar 22	579.35	579.18	------	122.4
32	Mar 23	579.30	579.11	------	128.4

TABLE 4.5

Summary of Discharge Measurements
St. Clair River
Dry Dock Section
Spring 1901

Meas. No.	Date	WaterLevels(Feet,M.T.N.Y.) GTR	MBR	Dry Dock	Discharge (TCFS)
1	Mar 25	579.02	578.75	578.51	150.1
2	Mar 29	579.10	578.59	578.17	197.3
3	Mar 30	578.93	578.43	577.96	193.1
4	Apr 1	578.61	578.14	577.79	185.5
5	Apr 2	578.30	577.91	577.67	159.2
6	Apr 5	579.21	579.06	578.97	108.5
7	Apr 10	579.98	579.94	579.88	74.0
8	Apr 11	579.81	579.77	579.70	79.2
9	Apr 12	579.68	579.61	579.54	87.2
10	Apr 13	579.38	579.17	578.99	128.7
11	Apr 15	579.24	578.90	578.66	163.4
12	Apr 16	579.19	578.77	578.49	178.3
13	Apr 19	580.27	580.22	580.14	76.0
14	Apr 20	580.46	580.46	580.43	79.9
15	Apr 24	580.06	580.03	579.96	75.5
16	Apr 25	579.88	579.88	579.76	78.2
17	Apr 26	579.85	579.78	579.68	90.5

TABLE 4.6

Summary of Discharge Measurements
St. Clair River
Dry Dock Section
Summer 1901

Meas. No.	Date	Water Levels(Feet,M.T.N.Y.) GTR	MBR	St.Clair Flats	Discharge (TCFS)
1	May 14	579.42	578.46	574.48	211.2
2	May 15	579.43	578.45	574.48	210.7
3	May 17	579.37	578.37	574.50	206.0
4	May 18	579.45	578.45	574.54	213.5
5	May 20	579.48	578.49	574.75	212.4
6	May 20	579.48	578.48	574.75	210.0
7	May 21	579.48	578.48	574.75	213.9
8	May 22	579.10	578.21	574.70	193.3
9	May 22	579.14	578.27	574.70	194.6
10	May 23	579.35	578.38	574.70	203.5
11	May 23	579.39	578.42	574.70	202.5
12	May 24	579.75	578.73	574.70	216.1
13	May 25	579.73	578.67	574.70	220.7
14	May 28	579.74	578.78	574.80	210.4
15	May 28	579.70	578.71	574.80	221.8
16	May 29	579.64	578.65	574.80	211.0
17	Jun 3	579.56	578.58	574.90	211.0
18	Jun 4	579.44	578.47	574.90	204.6
19	Jun 7	579.69	578.66	574.90	203.8
20	Jun 7	579.68	578.63	574.90	211.3
21	Jun 8	579.78	578.73	574.90	215.1
22	Jun 8	579.70	578.70	574.90	213.5
23	Jun 10	579.51	578.51	574.90	207.9
24	Jun 10	579.45	578.47	574.90	202.2
25	Jun 11	579.47	578.52	574.90	208.1
26	Jun 11	579.32	578.42	574.90	200.5
27	Jun 13	579.48	578.51	574.90	206.1
28	Jun 14	579.54	578.57	574.90	209.1
29	Jun 14	579.55	578.59	574.90	206.6
30	Jun 15	579.56	578.60	574.98	206.9
31	Jun 17	579.50	578.53	574.95	202.5
32	Jun 20	579.55	578.59	575.00	201.8
33	Jun 22	579.44	578.48	575.00	201.6
34	Jun 26	579.62	578.63	575.05	205.8
35	Jun 27	579.58	578.62	575.10	206.4
36	Jun 28	579.56	578.63	575.10	198.9

TABLE 4.7

Summary of Discharge Measurements
St. Clair River
Dry Dock Section
1902

Meas. No.	Date	Water Levels (Feet,M.T.N.Y.) Fort Gratiot*	G.T.R.	Dry Dock Section	St. Clair Flats	Discharge (TCFS)
1	Aug 12	580.84	580.11	579.22	575.72	199.5
2	Aug 13	580.67	579.97	579.10	575.72	194.4
3	Aug 14	580.67	579.99	579.12	575.67	197.4
4	Aug 15	580.83	580.10	579.21	575.67	201.2
5	Aug 16	580.85	580.08	579.13	575.57	200.4
6	Aug 18	580.59	579.92	579.08	575.57	193.2
7	Aug 18	580.71	579.96	579.03	575.57	192.2
8	Aug 19	580.68	579.96	579.07	575.52	196.0
9	Aug 19	580.74	580.03	579.15	575.52	201.8
10	Aug 20	580.64	579.97	579.14	575.52	196.0
11	Aug 21	580.83	580.10	579.21	575.52	202.0
12	Aug 21	580.88	580.14	579.24	575.52	201.5
13	Aug 22	580.95	580.21	579.32	575.52	207.5
14	Aug 25	580.57	579.90	579.06	575.52	194.0
15	Aug 26	580.57	579.89	579.04	575.42	192.6
16	Aug 27	580.73	580.00	579.09	575.47	198.0
17	Aug 28	580.67	579.94	579.03	575.42	196.7
18	Sep 8	580.08	579.46	578.63	575.32	176.7
19	Sep 15	580.28	579.66	578.85	575.32	182.1
20	Sep 15	580.24	579.61	578.79	575.32	177.9
21	Sep 16	580.18	579.59	578.81	575.22	186.5
22	Sep 17	580.13	579.49	578.64	575.22	179.0
23	Sep 17	580.15	579.51	578.66	575.22	181.7
24	Sep 19	580.61	579.88	578.96	575.27	194.8
25	Sep 20	580.43	579.74	578.85	575.27	188.0
26	Sep 22	580.32	579.65	578.78	575.22	187.8
27	Sep 22	580.28	579.64	578.80	575.22	184.1
28	Sep 23	580.38	579.69	578.80	575.27	187.9
29	Sep 23	580.48	579.78	578.89	575.27	190.6
30	Sep 24	580.41	579.71	578.81	575.27	190.8
31	Sep 25	580.06	579.47	578.68	575.42	179.2
32	Sep 26	580.27	579.61	578.75	575.52	182.7

*Computed using formula:

$$\text{Fort Gration} = \text{G.T.R.} + 0.774\,(\text{G.T.R.} - \text{D.D.}) + 0.1\,(\text{G.T.R.} - 579.70)$$

TABLE 4.8

Summary of Discharge Measurements
St. Clair River
Dry Dock Section
1908

Meas. No.	Date	Water Levels (Feet,1903Datum) Fort Gratiot	G.T.R.	Dry Dock	St.Clair Flats	Discharge (TCFS)
1	Nov 7	580.49	579.81	578.96	575.38	190.4
2	Nov 7	580.54	579.83	578.93	575.38	187.8
3	Nov 7	580.33	579.66	578.80	575.37	186.9
4	Nov 9	580.45	579.75	578.85	575.37	191.4
5	Nov 9	580.52	579.82	578.93	575.37	197.5
6	Nov 10	580.39	579.70	578.80	575.32	191.2
7	Nov 10	580.43	579.73	578.82	575.32	192.6
8	Nov 10	580.34	579.65	578.74	575.31	190.2
9	Nov 11	580.34	579.66	578.78	575.28	191.9
10	Nov 11	580.34	579.67	578.80	575.31	195.1
11	Nov 11	580.05	579.40	578.50	575.10	189.7
12	Nov 13	579.85	579.24	578.37	575.09	178.3
13	Nov 14	579.72	579.14	578.32	575.03	168.0
14	Nov 14	579.76	579.17	578.35	574.99	173.3
15	Nov 18	579.93	579.30	578.47	574.92	181.5

TABLE 4.9

Summary of Discharge Measurements
St. Clair River
Gorge Section
1908

Meas. No.	Date	Water Levels (Feet,1903 Datum) Fort Gratiot	G.T.R.	Dry Dock	St.Clair Flats	Discharge (TCFS)
1	Nov 18	580.31	579.62	578.71	575.07	193.8
2	Nov 27	580.35	579.72	578.83	575.10	188.6
3	Nov 27	580.52	579.86	578.94	575.11	192.8
4	Nov 28	579.90	579.32	578.48	575.18	173.2
5	Nov 28	580.06	579.45	578.62	575.13	176.0
6	Dec 1	580.53	579.84	578.97	575.11	189.4
7	Dec 2	580.75	580.04	579.09	575.11	200.4
8	Dec 2	580.67	579.98	579.07	575.13	195.4
9	Dec 4	580.37	579.70	578.80	575.07	187.7
10	Dec 9	580.28	579.58	578.68	574.95	186.8
11	Dec 9	580.11	579.46	578.59	574.94	183.7
12	Dec 10	579.95	579.30	578.44	574.96	181.6
13	Dec 10	580.00	579.34	578.49	574.97	179.3
14	Dec 11	579.95	579.31	578.44	574.89	179.6
15	Dec 12	580.03	579.39	578.53	574.98	179.6
16	Dec 12	580.11	579.48	578.63	574.97	181.2
17	Dec 15	580.11	579.44	578.56	574.94	182.5
18	Dec 16	580.08	579.41	578.55	574.92	183.9
19	Dec 16	580.10	579.42	578.53	574.92	185.9
20	Dec 17	580.06	579.33	578.44	574.93	191.0
21	Dec 19	579.77	579.18	578.35	575.06	168.8
22	Dec 19	579.77	579.17	578.38	575.10	167.1

TABLE 4.10

Summary of Discharge Measurements
St. Clair River
Dry Dock Section
1909

Meas. No.	Date	Water Levels (Feet,1903 Datum) Fort Gratiot	G.T.R.	Dry Dock	St.Clair Flats	Discharge (TCFS)
1	Nov 15	580.24	579.56	578.65	575.05	193.7
2	Nov 15	580.38	579.68	578.78	575.03	199.1
3	Nov 16	579.92	579.23	578.40	575.17	187.6
4	Nov 16	579.56	579.02	578.22	575.13	171.0
5	Nov 19	579.78	579.19	578.39	575.10	176.6
6	Nov 19	579.88	579.22	578.41	575.03	183.8
7	Nov 20	579.43	578.91	578.16	575.08	163.3
8	Nov 20	579.80	579.22	578.35	574.98	178.5
9	Nov 23	580.23	579.57	578.70	575.21	202.3
10	Nov 23	580.18	579.50	578.64	575.25	197.3
11	Nov 24	579.95	579.30	578.38	575.26	189.5
12	Nov 24	579.80	579.20	578.39	575.25	184.2
13	Nov 26	579.84	579.27	578.50	575.21	179.8
14	Nov 26	579.85	579.27	578.44	575.20	181.2
15	Nov 27	579.45	578.90	578.12	575.16	169.4
16	Nov 27	579.54	578.95	578.18	575.14	168.5
17	Nov 27	579.63	579.06	578.26	575.14	169.7
21	Nov 30	579.79	579.17	578.36	575.12	176.1
22	Nov 30	579.82	579.18	578.38	575.12	178.7
23	Nov 30	579.90	579.27	578.44	575.11	178.7
24	Dec 7	580.18	579.53	578.62	575.14	199.9

TABLE 4.11

Summary of Discharge Measurements
St. Clair River
Gorge Section
1909

Meas. No.	Date	Water Levels (Feet,1903 Datum) Fort Gratiot	G.T.R.	Dry Dock	St.Clair Flats	Discharge (TCFS)
1	Oct 15	580.32	579.67	578.83	575.20	186.0
2	Oct 16	580.53	579.83	579.00	575.25	190.0
3	Oct 16	580.47	579.75	578.93	575.24	187.1
4	Oct 16	580.49	579.71	578.86	575.23	185.4
5	Oct 16	580.61	579.83	578.94	575.24	192.7
6	Oct 26	579.76	579.20	578.41	575.21	169.0
7	Oct 26	579.83	579.27	578.41	575.22	169.9
8	Oct 27	580.25	579.60	578.73	575.21	187.9
9	Oct 27	580.32	579.69	578.82	575.20	192.5
10	Oct 27	580.25	579.65	578.82	575.21	188.4
11	Oct 29	580.14	579.48	578.61	575.14	189.8
12	Oct 29	580.03	579.40	578.57	575.15	184.7
13	Nov 1	579.73	579.10	578.20	575.12	177.9
14	Nov 1	579.78	579.15	578.26	575.11	175.7
15	Nov 4	580.32	579.61	578.74	575.09	194.3
16	Nov 5	580.02	579.34	578.51	575.09	184.6
17	Nov 5	579.98	579.29	578.50	575.08	183.4
18	Nov 5	580.09	579.36	578.48	575.08	182.9
19	Nov 5	579.99	579.31	578.55	575.08	177.8
20	Nov 6	580.01	579.32	578.49	575.08	181.0
21	Nov 6	579.97	579.28	578.50	575.09	180.8
22	Nov 6	578.00	579.29	578.46	575.09	183.7
23	Nov 6	579.97	579.24	578.42	575.10	180.6
24	Nov 10	579.58	578.95	578.08	575.08	169.0
25	Nov 10	579.76	579.07	578.03	575.08	174.5
26	Nov 13	579.68	579.07	578.21	575.06	175.2
27	Dec 2	579.68	579.07	578.25	575.11	178.2
28	Dec 2	579.69	579.09	578.29	575.10	174.2
29	Dec 2	579.75	579.12	578.33	575.11	175.0
30	Dec 2	579.76	579.14	578.34	575.12	176.0
31	Dec 3	579.80	579.17	578.29	575.08	178.6
32	Dec 4	579.76	579.14	578.27	575.08	175.3
33	Dec 4	579.71	579.11	578.28	575.07	172.3
34	Dec 6	579.50	578.99	578.26	575.06	161.1
35	Dec 6	579.84	579.25	578.43	575.07	179.0
36	Dec 9	580.05	579.45	578.70	575.15	174.9
37	Dec 10	580.16	579.53	578.73	575.11	186.9
38	Dec 10	580.21	579.56	578.72	575.09	188.9

TABLE 4.12

Summary of Discharge Measurements
St. Clair River
Gorge Section
1910

Meas. No.	Date	Water Levels (Feet,1903 Datum) Fort Gratiot	G.T.R.	Dry Dock	St.Clair Flats	Discharge (TCFS)
1	May 9	580.32	579.68	578.89	575.68	190.2
2	May 9	580.36	579.70	578.91	575.67	188.3
3	May 17	579.68	579.18	578.42	575.58	165.6
4	May 18	580.23	579.68	578.84	575.58	188.0
5	May 18	580.24	579.66	578.82	575.57	186.6
6	May 18	580.41	579.73	578.94	575.57	190.9
7	May 19	580.24	579.54	578.81	575.53	179.0
8	May 19	580.10	579.53	578.67	575.53	186.2
9	May 19	580.16	579.54	578.71	575.54	182.7
10	May 19	580.09	579.46	578.69	575.55	177.2
11	May 19	580.02	579.42	578.64	575.55	174.7
12	May 20	579.92	579.34	578.55	575.56	179.6
13	May 20	580.07	579.47	578.67	575.58	179.8
14	May 20	580.04	579.44	578.65	575.56	180.9
15	May 20	580.00	579.41	578.64	575.55	178.3
16	May 20	580.13	579.53	578.72	575.54	187.2
17	May 21	580.19	579.54	578.75	575.55	188.2
18	May 21	580.18	579.53	578.75	575.55	187.6
19	Jun 13	580.34	579.74	578.92	575.70	189.4
20	Jun 13	580.41	579.77	578.96	575.70	190.5
21	Jun 13	580.31	579.66	578.88	575.70	188.4
22	Jun 13	580.32	579.68	578.90	575.71	187.8
23	Jun 13	580.37	579.77	578.95	575.71	187.7
24	Jun 14	580.33	579.69	578.89	575.71	189.9
25	Jun 14	580.32	579.65	578.86	575.69	187.4
26	Jun 14	580.32	579.69	578.89	575.69	189.9
27	Jun 14	580.33	579.70	578.91	575.69	189.3
28	Jun 14	580.33	579.67	578.89	575.69	184.7
29	Jun 14	580.33	579.67	578.89	575.69	186.6
30	Jun 17	580.29	579.61	578.71	575.67	185.9
31	Jun 17	580.33	579.68	578.92	575.68	186.3
32	Jun 18	580.48	579.83	578.99	575.67	191.4
33	Jun 18	580.43	579.79	579.00	575.67	187.0

TABLE 4.12
(Continued)

Summary of Discharge Measurements
St. Clair River
Gorge Section
1910

Meas. No.	Date	Water Levels (Feet,1903 Datum) Fort Gratiot	G.T.R.	Dry Dock	St.Clair Flats	Discharge (TCFS)
34	Jun 18	580.42	579.79	578.95	575.67	190.4
35	Jun 18	580.34	579.70	578.95	575.68	185.6
36	Jun 18	580.38	579.69	578.87	575.67	189.1
37	Jun 20	580.28	579.66	578.89	575.66	179.8
38	Jun 20	580.34	579.70	578.91	575.66	184.6
39	Jun 20	580.36	579.73	578.94	575.66	186.7
40	Jun 20	580.40	579.78	578.94	575.66	190.6
41	Jun 20	580.33	579.72	578.92	575.66	188.3
42	Jun 29	580.35	579.75	578.94	575.67	193.6
43	Jun 29	580.43	579.80	579.01	575.66	192.5
44	Jun 29	580.41	579.74	578.96	575.66	186.7
45	Jun 30	580.27	579.62	578.85	575.66	186.9
46	Jun 30	580.28	579.65	578.87	575.67	185.2
47	Jun 30	580.28	579.68	578.88	575.65	185.8
48	Jun 30	580.28	579.66	578.88	575.66	182.3
49	Jun 30	580.28	579.65	578.86	575.66	184.4
50	Jul 1	580.32	579.69	578.90	575.64	184.3
51	Jul 1	580.25	579.63	578.85	575.64	183.6
52	Jul 1	580.30	579.70	578.89	575.65	188.8
53	Jul 1	580.33	579.68	578.90	575.65	186.4
54	Jul 1	580.30	579.64	578.88	575.64	185.1
55	Jul 2	580.29	579.63	578.90	575.64	184.8
56	Jul 2	580.28	579.60	578.88	575.66	183.0
57	Jul 2	580.24	579.58	578.83	575.65	183.5
58	Jul 2	580.27	579.62	578.88	575.64	188.8
59	Jul 5	580.33	579.69	578.89	575.65	190.3
60	Jul 5	580.36	579.68	578.86	575.65	189.1
61	Jul 5	580.25	579.60	578.80	575.65	184.9
62	Aug 8	580.22	579.62	578.84	575.54	186.3
63	Aug 8	580.21	579.56	578.76	575.54	185.1
64	Aug 8	580.19	579.58	578.80	575.54	183.7
65	Aug 8	580.14	579.52	578.74	575.55	181.6

TABLE 4.12
(Continued)

Summary of Discharge Measurements
St. Clair River
Gorge Section
1910

Meas. No.	Date	Water Levels (Feet,1903 Datum) Fort Gratiot	G.T.R.	Dry Dock	St.Clair Flats	Discharge (TCFS)
66	Aug 9	579.94	579.38	578.63	575.54	176.1
67	Aug 9	579.98	579.33	578.55	575.54	173.3
68	Aug 9	579.98	579.39	578.63	575.54	168.1
69	Aug 9	579.98	579.45	578.71	575.60	171.4
70	Aug 9	579.99	579.48	578.75	575.66	175.4
71	Aug 10	580.14	579.57	578.69	575.51	187.3
72	Aug 10	580.18	579.56	578.82	575.51	184.6
73	Aug 10	580.22	579.63	578.81	575.51	186.4
74	Aug 10	580.24	579.59	578.82	575.52	185.4
75	Aug 10	580.24	579.61	578.82	575.53	186.3
76	Aug 10	580.24	579.61	578.81	575.54	185.7
77	Aug 11	580.24	579.58	578.82	575.51	184.0
78	Aug 11	580.22	579.59	578.81	575.50	184.9
79	Aug 11	580.27	579.64	578.82	575.50	186.8
80	Aug 11	580.21	579.58	578.83	575.51	183.0
81	Aug 11	580.18	579.54	578.78	575.53	184.5
82	Aug 12	580.11	579.50	578.72	575.50	179.8
83	Aug 12	580.04	579.43	578.70	575.50	176.3
84	Aug 12	580.08	579.47	578.71	575.50	177.6
85	Aug 12	580.10	579.49	578.74	575.50	181.0
86	Aug 12	580.05	579.45	578.69	575.50	180.3
87	Aug 13	580.02	579.42	578.67	575.49	181.9
88	Aug 13	579.88	579.31	578.56	575.49	172.4
89	Aug 13	580.15	579.53	578.76	575.48	183.9
90	Aug 13	580.09	579.48	578.71	575.48	179.4
91	Aug 13	580.07	579.46	578.71	575.48	181.4
92	Sep 19	579.92	579.37	578.61	575.34	180.2
93	Sep 19	579.97	579.42	578.65	575.35	182.3
94	Sep 20	580.01	579.44	578.65	575.35	180.8
95	Sep 20	580.17	579.59	578.76	575.35	188.0
96	Sep 20	580.05	579.51	578.73	575.37	182.3
97	Sep 20	580.04	579.49	578.71	575.36	176.6

TABLE 4.12
(Continued)

Summary of Discharge Measurements
St. Clair River
Gorge Section
1910

Meas. No.	Date	Water Levels (Feet,1903 Datum) Fort Gratiot	G.T.R.	Dry Dock	St.Clair Flats	Discharge (TCFS)
98	Sep 21	580.14	579.55	578.75	575.35	185.3
99	Sep 21	580.72	579.64	578.83	575.35	186.8
100	Sep 23	579.80	579.28	578.48	575.26	178.6
101	Sep 23	579.91	579.37	578.54	575.28	182.3
102	Sep 23	579.93	579.39	578.60	575.30	181.6
103	Sep 23	579.97	597.44	578.65	575.30	181.0
104	Sep 24	579.41	579.00	578.30	575.36	166.3
105	Sep 24	579.33	578.92	578.20	575.32	164.6
106	Sep 24	579.36	578.94	578.24	575.36	168.2
107	Sep 24	579.28	578.87	578.25	575.37	161.9
108	Sep 26	580.01	579.42	578.60	575.26	184.1
109	Sep 26	579.90	579.34	578.58	575.27	181.5
110	Sep 27	579.62	579.12	578.38	575.28	170.8
111	Sep 27	579.72	579.19	578.47	575.36	173.5
112	Sep 27	579.65	579.14	578.44	575.32	168.9
113	Sep 27	579.72	579.20	578.47	575.29	174.6
114	Sep 27	579.75	579.24	578.50	575.28	177.2
115	Sep 28	580.16	579.57	578.78	575.25	189.1
116	Sep 28	580.17	579.58	578.79	575.25	186.4
117	Sep 28	580.04	579.47	578.67	575.25	186.3
118	Sep 28	580.06	579.49	578.70	575.25	183.9
119	Sep 28	580.11	579.53	578.73	575.26	187.7
120	Oct 24	579.31	578.87	578.17	575.27	158.6
121	Oct 24	579.63	579.13	578.39	575.26	168.7
122	Oct 24	579.57	579.05	578.31	575.22	166.4
123	Oct 26	579.87	579.26	578.47	575.17	184.8
124	Oct 26	579.84	579.26	578.48	575.16	181.1
125	Oct 26	579.66	579.12	578.37	575.16	172.6
126	Oct 26	579.74	579.16	578.39	575.16	177.8
127	Oct 26	579.79	579.23	578.46	575.15	179.4
128	Oct 28	580.45	579.79	578.95	575.11	203.6
129	Oct 31	579.81	579.20	578.45	575.06	183.3

TABLE 4.12
(Continued)

Summary of Discharge Measurements
St. Clair River
Gorge Section
1910

Meas. No.	Date	Water Levels (Feet,1903 Datum) Fort Gratiot	G.T.R.	Dry Dock	St.Clair Flats	Discharge (TCFS)
130	Oct 31	579.82	579.21	578.48	575.06	181.1
131	Nov 1	579.31	578.85	578.20	575.09	165.9
132	Nov 1	579.17	578.72	578.10	575.07	156.4
133	Nov 1	579.25	578.76	578.06	575.09	164.0
134	Nov 1	579.24	578.83	578.15	575.11	162.7
135	Nov 1	579.08	578.68	578.01	575.09	153.4
136	Nov 2	579.66	579.12	578.27	575.02	180.0
137	Nov 2	580.00	579.45	578.60	575.01	189.1
138	Nov 2	579.75	579.21	578.40	575.01	180.0
139	Nov 2	580.03	579.46	578.53	575.01	192.3
140	Nov 2	580.16	579.58	578.69	575.02	193.7
141	Nov 9	579.52	579.01	578.26	575.07	168.4
142	Nov 9	579.54	579.04	578.25	575.05	173.8
143	Nov 9	579.51	579.01	578.28	575.01	169.5
144	Nov 9	579.61	579.09	578.22	575.01	179.6
145	Nov 11	579.97	579.39	578.56	575.04	185.5
146	Nov 11	580.17	579.57	578.72	575.04	190.1
147	Nov 11	579.99	579.45	578.68	575.07	185.1
148	Nov 11	580.14	579.52	578.70	575.07	190.1

TABLE 4.13

Summary of Discharge Measurements
St. Clair River
Dry Dock Section
1910

Meas. No.	Date	WaterLevels(Feet,1903Datum) Fort Gratiot	G.T.R.	Dry Dock	St.Clair Flats	Discharge (TCFS)
1	Jun 22	580.29	579.67	578.88	575.65	182.9
2	Jun 22	580.27	579.66	578.88	575.65	188.2
3	Jun 22	580.30	579.67	578.88	575.65	188.4
4	Jun 23	580.41	579.76	578.94	575.65	189.3
5	Jun 23	580.43	579.80	579.00	575.65	190.2
6	Jun 23	580.39	579.75	578.97	575.65	189.2
7	Jun 24	580.46	579.79	578.98	575.66	199.1
8	Jun 24	580.51	579.80	579.00	575.67	193.6
9	Jun 24	580.45	579.74	578.94	575.66	192.5
10	Jun 25	580.37	579.85	578.95	575.67	186.6
11	Jun 25	580.39	579.74	578.95	575.68	193.1
12	Jun 27	580.26	579.65	578.87	575.65	185.9
13	Jun 27	580.33	579.70	578.90	575.66	189.5
14	Jun 27	580.29	579.66	578.88	575.67	184.9
15	Jun 28	580.40	579.75	578.97	575.65	192.3
16	Jul 6	580.18	579.55	578.83	575.64	182.9
17	Jul 6	580.10	579.49	578.78	575.62	182.5
18	Jul 9	580.19	579.57	578.84	575.64	181.5
19	Jul 9	580.26	579.64	578.90	575.65	186.0
20	Jul 21	580.16	579.51	578.84	575.62	178.5
21	Jul 22	580.23	579.63	578.90	575.62	186.9
22	Jul 23	580.21	579.59	578.87	575.60	183.4
23	Jul 23	580.29	579.64	578.92	575.62	184.0
24	Aug 2	580.31	579.68	578.95	575.62	187.7
25	Aug 2	580.29	579.62	578.86	575.62	183.1
26	Aug 3	580.15	579.52	578.83	575.61	181.0
27	Aug 3	580.10	579.49	578.77	575.62	180.4
28	Aug 4	580.26	579.64	578.91	575.66	183.9
29	Aug 4	580.44	579.79	579.08	575.72	188.4
30	Aug 4	580.55	579.88	579.07	575.64	192.2
31	Aug 5	580.33	579.69	578.92	575.60	183.3
32	Aug 5	580.50	579.84	579.04	575.64	188.4
33	Sep 7	580.21	579.63	578.84	575.45	186.7

TABLE 4.13
(Continued)

Summary of Discharge Measurements
St. Clair River
Dry Dock Section
1910

Meas. No.	Date	WaterLevels(Feet,1903Datum) Fort Gratiot	G.T.R.	Dry Dock	St.Clair Flats	Discharge (TCFS)
34	Sep 7	580.14	579.59	578.82	575.46	187.1
35	Sep 8	579.84	579.32	578.58	575.46	173.2
36	Sep 8	580.00	579.45	578.66	575.46	183.7
37	Sep 8	580.24	579.61	578.79	575.47	186.8
38	Sep 9	580.56	580.00	579.16	575.40	203.0
39	Sep 9	580.28	579.73	578.98	575.44	191.7
40	Sep 10	580.10	579.33	578.75	575.44	184.2
41	Sep 12	580.08	579.30	578.70	575.42	181.2
42	Sep 12	580.37	579.82	578.96	575.41	200.4

TABLE 4.14

Summary of Discharge Measurements
St. Clair River
SNY Section
1910

Meas. No.	Date		Water Levels (Feet,1903 Datum) Fort Gratiot	GTR	Dry Dock	Roberts Landing	St. Clair Flats	Discharge (TCFS)
1	May	25	580.31	579.68	578.86	576.42	575.61	11.4
2	May	25	580.32	579.69	578.87	576.42	575.61	11.3
3	May	25	580.40	579.68	578.86	576.43	575.59	11.4
4	May	25	580.40	579.62	578.82	576.40	575.63	11.0
5	May	25	580.35	579.64	578.83	576.42	575.65	11.6
6	Jul	11	580.30	579.67	578.95	576.51	575.67	10.7
7	Jul	12	580.03	579.42	578.72	576.52	575.68	10.2
8	Jul	12	580.03	579.47	578.82	576.54	575.65	10.5
9	Jul	12	579.97	579.41	578.73	576.47	575.64	10.1
10	Jul	12	580.12	579.52	578.79	576.48	575.66	10.4
11	Sep	1	580.19	579.62	578.86	576.36	575.41	10.8
12	Sep	1	580.28	579.73	578.91	576.40	575.42	11.0
13	Sep	1	580.29	579.72	578.92	576.39	575.42	10.8
14	Sep	1	580.22	579.67	578.87	576.38	575.40	11.0
15	Oct	8	579.86	579.32	578.56	576.19	575.36	10.4
16	Oct	8	579.69	579.18	578.44	576.16	575.37	10.2
17	Oct	8	580.13	579.46	578.65	576.26	575.37	10.6
18	Nov	25	579.54	578.98	578.23	575.73	574.83	10.9
19	Nov	25	579.57	578.99	578.23	575.76	574.83	11.1
20	Nov	25	579.65	579.03	578.25	575.78	574.83	11.0

TABLE 4.15

Summary of Discharge Measurements
St. Clair River
Bridge Section
1910

Meas. No.	Date	Water Levels (Feet,1903 Datum) Fort Gratiot	GTR	Dry Dock	Roberts Landing	Herson Island	St. Clair Flats	Discharge (TCFS)
1	May 26	580.35	579.78	578.96	576.50	576.02	575.62	58.0
2	May 26	580.44	579.82	578.98	576.48	576.00	575.61	62.2
3	May 26	580.45	579.77	578.91	576.43	575.96	575.62	61.8
4	May 26	580.43	579.71	578.89	576.43	575.95	575.60	61.5
5	May 26	580.42	579.76	578.91	576.44	575.96	575.59	60.7
6	Jul 13	580.52	579.84	579.01	576.52	576.06	575.64	45.4
7	Jul 13	580.51	579.78	579.00	576.51	576.06	575.64	39.8
8	Jul 13	580.36	579.66	578.88	576.50	576.06	575.65	43.6
9	Jul 13	580.43	579.69	579.01	576.53	576.07	575.65	41.8
10	Sep 2	580.00	579.44	578.69	576.30	575.85	575.44	30.6
11	Sep 2	580.05	579.52	578.73	576.33	575.88	575.44	29.4
12	Sep 2	580.00	579.50	578.70	576.33	575.89	575.44	29.9
13	Oct 7	580.02	579.51	578.72	576.23	575.77	575.35	34.2
14	Oct 7	580.06	579.53	578.71	576.25	575.78	575.36	34.4
15	Oct 7	580.07	579.51	578.72	576.23	575.78	575.36	35.8
16	Oct 7	580.00	579.48	578.70	576.22	575.77	575.36	33.3
17	Nov 25	579.66	579.10	578.30	575.84	575.32	574.86	40.9
18	Nov 25	579.76	579.19	578.37	575.84	575.33	574.84	42.2

TABLE 4.16

Summary of Discharge Measurements
St. Clair River
Bassett Section
1910

Meas. No.	Date	Water Levels (Feet,1903 Datum) Fort Gratiot	GTR	Dry Dock	Roberts Landing	Herson Island	St. Clair Flats	Discharge (TCFS)
1	Jun 8	580.38	579.69	578.92	576.52	576.04	575.69	11.5
2	Jun 8	580.33	579.66	578.90	576.51	576.04	575.69	11.8
3	Jun 9	580.24	579.59	578.82	576.45	576.02	575.68	11.3
4	Jun 9	580.26	579.65	578.88	576.50	576.04	575.67	11.6
5	Jun 9	580.31	579.69	578.90	576.51	576.02	575.68	11.3
6	Jul 14	580.19	579.58	578.84	576.48	576.04	575.65	11.3
7	Jul 14	580.20	579.57	578.84	576.47	576.02	575.65	11.6
8	Jul 14	580.20	579.58	578.87	576.48	576.03	575.64	11.5
9	Aug 30	579.73	579.22	578.50	576.28	575.86	575.46	10.1
10	Aug 30	579.85	579.34	578.57	576.30	575.87	575.45	10.2
11	Aug 30	579.77	579.26	578.56	576.28	575.84	575.44	9.7
12	Aug 30	579.84	579.36	578.61	576.29	575.84	575.44	10.0
13	Oct 14	579.91	579.43	578.68	576.16	575.74	575.27	11.2
14	Oct 14	579.90	579.36	578.59	576.16	575.74	575.28	10.8
15	Oct 14	579.93	579.36	578.58	576.18	575.76	575.28	11.2
16	Oct 14	580.01	579.44	578.66	576.18	575.75	575.29	10.6
17	Nov 28	579.22	578.24	577.97	575.65	575.25	574.89	10.4
18	Nov 28	579.25	578.76	578.01	575.68	575.26	574.88	10.2
19	Nov 28	579.39	578.86	578.05	575.70	575.25	574.89	10.7

TABLE 4.17

Summary of Discharge Measurements
St. Clair River
Southeast Bend Section
1910

Meas. No.	Date	Water Levels (Feet,1903 Datum) Fort Gratiot	GTR	Dry Dock	Roberts Landing	Herson Island	St. Clair Flats	Discharge (TCFS)
1	Jun 2	580.41	579.73	578.94	576.41	575.93	575.58	55.8
2	Jun 2	580.43	579.77	578.99	576.44	575.97	575.59	56.6
3	Jun 3	580.67	579.98	578.95	576.50	576.05	575.64	57.2
4	Jun 3	580.44	579.79	578.82	576.50	576.03	575.67	54.8
5	Jul 19	580.29	579.64	578.93	576.50	576.07	575.65	54.9
6	Jul 19	580.29	579.66	578.95	576.52	576.07	575.64	55.7
7	Jul 20	580.00	579.44	578.72	576.46	576.05	575.65	52.4
8	Jul 20	580.05	579.47	578.77	576.47	576.04	575.64	52.8
9	Aug 24	579.66	579.22	578.49	576.27	575.86	575.47	52.0
10	Aug 24	579.85	579.31	578.57	576.32	575.90	575.47	52.0
11	Aug 29	580.19	579.61	578.81	576.35	575.88	575.42	56.9
12	Aug 29	580.18	579.60	578.82	576.36	575.90	575.43	57.1
13	Oct 13	579.53	578.99	578.27	576.16	575.69	575.33	49.8
14	Oct 13	579.62	579.13	578.37	576.17	575.71	575.32	50.7
15	Oct 13	579.57	579.09	578.41	576.16	575.71	575.30	51.8
16	Oct 14	579.93	579.36	578.58	576.16	575.75	575.27	54.0
17	Nov 26	579.67	579.14	578.35	575.78	575.28	574.86	55.8
18	Nov 26	579.69	579.12	578.33	575.78	575.28	574.86	56.0
19	Nov 26	579.51	579.01	578.24	575.75	575.26	574.85	56.1

TABLE 4.18

Summary of Discharge Measurements
St. Clair River
Middle Channel Section
1910

Meas. No.	Date	Water Levels (Feet,1903 Datum) Fort Gratiot	GTR	Dry Dock	Roberts Landing	Herson Island	St. Clair Flats	Discharge (TCFS)
1	May 28	580.25	579.59	578.77	576.39	575.84	575.59	32.2
2	May 31	580.91	579.95	579.06	576.51	575.88	575.58	33.9
3	May 31	580.89	579.90	579.05	576.49	575.88	575.58	32.1
4	May 31	580.76	579.90	579.05	576.53	575.90	575.59	33.4
5	May 31	580.89	579.93	579.09	576.51	575.90	575.59	34.7
6	Jul 18	580.61	579.78	579.03	576.53	575.96	575.65	34.8
7	Jul 18	580.91	579.82	579.07	576.51	575.96	575.63	36.4
8	Jul 18	580.85	579.81	579.06	576.49	575.93	575.62	35.3
9	Jul 18	580.94	579.87	579.08	576.50	575.92	575.62	35.7
10	Aug 31	580.29	579.74	578.90	576.34	575.77	575.42	34.4
11	Aug 31	580.17	579.61	578.82	576.32	575.78	575.43	33.3
12	Aug 31	580.27	579.68	578.88	576.38	575.82	575.42	32.7
13	Aug 31	580.24	579.67	578.87	576.37	575.82	575.40	33.0
14	Oct 11	580.06	579.49	578.75	576.23	575.72	575.37	33.2
15	Oct 12	580.22	579.80	579.01	576.12	575.70	575.26	35.5
16	Oct 12	580.05	579.64	578.89	576.13	575.72	575.27	34.3
17	Oct 12	580.04	579.62	578.82	576.12	575.72	575.26	33.6
18	Nov 19	579.74	579.17	578.35	575.84	575.30	574.98	31.8
19	Nov 19	579.61	579.08	578.31	575.82	575.30	574.96	31.3
20	Nov 19	579.60	579.06	578.28	575.81	575.30	574.95	31.9

TABLE 4.19

Summary of Discharge Measurements
St. Clair River
Salt Block Section
1910

Meas. No.	Date	Water Levels (Feet,1903 Datum) Fort Gratiot	GTR	Dry Dock	Roberts Landing	Herson Island	St. Clair Flats	Discharge (TCFS)
1	Jun 4	580.38	579.69	578.93	576.51	575.94	575.68	78.3
2	Jun 6	580.36	579.71	578.94	576.55	575.97	575.70	78.0
3	Jun 6	580.43	579.77	578.99	576.54	575.98	575.70	80.2
4	Jun 6	580.38	579.72	578.95	576.54	575.96	575.70	78.7
5	Jun 7	580.46	579.80	579.01	576.55	575.96	575.69	77.5
6	Jul 15	580.22	579.59	578.87	576.47	575.95	575.64	72.5
7	Jul 15	580.25	579.65	578.92	576.49	575.95	575.64	73.5
8	Jul 15	580.28	579.64	578.93	576.51	575.95	575.65	73.8
9	Jul 16	580.29	579.58	578.85	576.48	575.96	575.65	73.3
10	Aug 26	580.38	579.78	578.99	576.42	575.83	575.42	72.7
11	Aug 26	580.26	579.68	578.91	576.40	575.86	575.43	70.3
12	Aug 27	580.03	579.48	575.73	576.33	575.84	575.43	70.7
13	Aug 27	580.02	579.45	578.71	576.32	575.83	575.43	69.8
14	Oct 10	579.94	579.39	578.63	576.22	575.69	575.36	71.4
15	Oct 10	579.90	579.39	578.66	576.23	575.71	575.37	69.6
16	Oct 10	579.81	579.31	578.59	576.19	575.71	575.37	68.2
17	Oct 11	580.04	579.47	578.69	576.25	575.75	575.39	71.6
18	Oct 11	580.10	579.52	578.76	576.22	575.74	575.36	73.4
19	Nov 21	579.20	578.73	577.97	575.80	575.32	574.92	65.9
20	Nov 22	579.37	578.96	578.27	575.74	575.23	574.84	72.0
21	Nov 22	579.31	578.96	578.29	575.72	575.21	574.83	71.2

Summary of Discharge Measurements
St. Clair River
Dry Dock Section
1924

Meas. No.	Date		Water Levels (Feet,1903 Datum) GTR	Dry Dock	Roberts Landing	Discharge (TCFS)
1	Nov	22	577.92	577.31	575.07	167.9
2	Nov	24	578.02	577.44	575.13	167.1
3	Nov	25	578.01	577.48	575.20	162.6
4	Nov	25	578.01	575.46	575.16	161.0
5	Nov	27	577.98	577.38	575.04	161.9
6	Nov	28	578.07	577.50	575.03	169.4
7	Nov	29	578.08	577.46	575.00	172.7
8	Dec	3	577.96	577.39	575.04	164.2
9	Dec	3	578.03	577.43	575.03	162.3
10	Dec	4	577.86	577.28	574.94	167.4
11	Dec	4	577.83	577.24	574.93	164.8
12	Dec	5	577.37	576.92	574.90	150.2

TABLE 4.21

Summary of Discharge Measurements
St. Clair River
Dry Dock Section
1925

Meas. No.	Date		Water Levels (Feet,1903 Datum) GTR	Dry Dock	Roberts Landing	Discharge (TCFS)
2	Apr	20	577.59	577.02	574.79	170.4
3	Apr	21	577.37	576.86	574.76	152.3
4	Apr	21	577.44	576.92	574.76	155.2
5	Apr	22	577.46	576.90	574.73	160.2
6	Apr	22	577.46	576.86	574.76	159.6
7	Apr	23	577.75	577.15	574.87	168.8
8	Apr	24	577.47	576.92	574.75	161.2
9	Apr	27	577.84	577.24	574.84	175.9
10	Apr	30	577.74	577.15	574.82	173.9
11	May	4	577.74	577.15	574.83	171.8
12	May	5	577.80	577.21	574.85	170.3
13	May	5	577.75	577.14	574.86	166.5
14	May	6	577.77	577.20	574.86	172.5
15	May	6	577.74	577.18	574.84	171.6

TABLE 4.22

Summary of Discharge Measurements
St. Clair River
Dry Dock Section
1926
(as revised in 1927)

Meas. No.	Date	Water Levels (Feet,1903 Datum) GTR	Dry Dock	Roberts Landing	Discharge (TCFS)
1	May 17	577.41	576.81	574.62	161.2
2	May 19	577.48	576.87	574.69	163.2
3	May 19	577.60	576.99	574.76	166.9
4	May 19	577.64	577.02	574.75	168.9
5	May 20	577.59	576.98	574.68	170.7
6	May 20	577.54	576.96	574.68	166.3
7	May 20	577.55	576.95	574.65	162.6
8	May 21	576.96	576.48	574.63	136.1
9	May 22	577.64	577.06	574.78	163.3
10	May 22	577.59	576.99	574.74	169.8
11	May 22	577.66	577.02	574.76	166.4
12	May 24	577.45	576.85	574.66	159.3
13	May 24	577.35	576.79	574.63	162.3
14	May 25	577.54	576.94	574.68	165.1
15	May 25	577.53	576.96	574.71	165.0
16	May 25	577.49	576.89	574.68	166.5
17	May 26	577.51	576.91	574.67	169.2
18	May 26	577.48	576.90	574.67	166.4
19	May 26	577.46	576.88	574.67	164.7

TABLE 4.23

Summary of Discharge Measurements
St. Clair River
Dry Dock Section
1927

Meas. No.	Date		Water Levels (Feet,1903 Datum) GTR	Dry Dock	Roberts Landing	Discharge (TCFS)
	Spring					
1	Apr	28	578.18	577.55	575.13	175.0
2	Apr	28	578.11	577.50	575.11	172.2
3	Apr	29	578.34	577.69	575.13	182.9
4	Apr	29	578.17	577.58	575.12	179.1
5	Apr	29	578.16	577.59	575.15	181.0
6	Apr	30	578.13	577.53	575.10	178.6
7	Apr	30	578.16	577.58	575.11	178.2
8	May	2	578.12	577.55	575.13	175.3
9	May	3	577.89	577.40	575.08	166.6
10	May	3	577.98	577.38	575.10	168.9
11	May	3	577.98	577.42	575.09	166.2
12	May	4	578.05	577.46	575.10	176.9
13	May	4	578.08	577.48	575.14	173.2
14	May	4	578.17	577.57	575.17	176.5
15	May	6	578.09	577.48	575.09	172.9
16	May	6	578.16	577.54	575.11	176.7
17	May	7	578.14	577.53	575.11	174.4
18	May	7	578.21	577.59	575.16	181.4
19	May	9	578.24	577.61	575.20	180.3
20	May	9	578.08	577.47	575.12	169.3
	Fall					
21	Sep	9	578.47	577.88	575.61	169.4
22	Sep	9	578.48	577.87	575.62	169.7
23	Sep	10	578.46	577.84	575.62	170.8
24	Sep	12	578.38	577.82	575.58	165.8
25	Sep	13	578.55	577.98	575.66	174.0
26	Sep	13	578.66	578.09	575.68	182.2
27	Sep	14	578.45	577.87	575.59	170.2
28	Sep	14	578.39	577.82	575.58	167.9
29	Sep	15	578.53	577.96	575.63	173.3
30	Sep	15	578.69	578.08	575.67	180.8

TABLE 4.23
(Continued)

Summary of Discharge Measurements
St. Clair River
Dry Dock Section
1927

Meas. No.	Date	Water Levels (Feet,1903 Datum) GTR	Dry Dock	Roberts Landing	Discharge (TCFS)
31	Sep 16	578.58	578.00	575.63	175.0
32	Sep 16	578.54	577.98	575.65	175.7
33	Sep 17	578.45	577.89	575.61	172.8
34	Sep 17	578.54	577.96	575.62	175.7
35	Sep 20	578.50	577.93	575.77	169.3
36	Sep 21	578.50	577.93	575.59	172.0
37	Sep 21	578.51	577.93	575.56	173.3
38	Sep 22	578.47	577.89	575.52	176.5
39	Sep 22	578.42	577.84	575.55	174.9
40	Sep 23	578.60	578.01	575.57	179.9

TABLE 4.24

Summary of Discharge Measurements
St. Clair River
Dry Dock Section
1928

Meas. No.	Date	Water Levels (Feet,1903 Datum) GTR	Dry Dock	Roberts Landing	Discharge (TCFS)
1	May 23	579.22	578.58	575.85	208.0
2	May 24	579.20	578.57	575.94	198.7
3	May 24	579.16	578.53	575.94	194.5
4	May 25	579.06	578.44	575.84	195.2
5	May 25	579.17	578.54	575.91	198.1
6	May 26	579.23	578.56	575.91	196.5
7	May 26	579.17	578.54	575.88	197.3
8	May 29	579.11	578.45	575.85	190.8
9	May 29	579.16	578.50	575.92	194.4
10	Jun 1	579.11	578.43	575.87	189.6
11	Jun 1	578.97	578.34	575.93	180.5
12	Jun 2	579.25	578.55	575.92	197.1
13	Jun 2	579.26	578.57	575.90	198.9
14	Jun 7	579.27	578.63	576.10	193.5
15	Jun 7	579.32	578.68	576.15	193.7
16	Jun 12	579.20	578.53	576.07	190.5
17	Jun 12	579.16	578.49	576.07	186.4
18	Jun 14	579.34	578.66	576.08	193.6
19	Jun 14	579.32	578.65	576.08	194.8
20	Jun 16	579.24	578.59	576.06	190.2
21	Jun 16	579.30	578.64	576.09	192.3
22	Jun 22	579.34	578.69	576.23	193.7
23	Jun 22	579.41	578.75	576.26	196.1
24	Jun 23	579.19	578.56	576.24	181.9
25	Jun 23	579.15	578.58	576.31	176.9
26	Jun 27	579.35	578.70	576.25	190.6
27	Jun 27	579.32	578.70	576.27	188.2
28	Jun 30	579.70	579.07	576.48	199.1
29	Jun 30	579.63	579.01	576.49	194.9
30	Jul 6	579.54	578.89	576.46	194.0
31	Jul 6	579.56	578.90	576.47	193.3
32	Jul 7	579.35	578.70	576.40	188.0
33	Jul 7	579.50	578.83	576.44	193.5

TABLE 4.24
(Continued)
Summary of Discharge Measurements
St. Clair River
Dry Dock Section
1928

Meas. No.	Date	Water Levels (Feet,1903 Datum) GTR	Dry Dock	Roberts Landing	Discharge (TCFS)
34	Jul 11	---------	578.84	576.42	194.0
35	Jul 11	---------	578.90	576.44	193.4
36	Jul 14	579.65	579.07	576.59	196.5
37	Jul 17	579.58	578.92	576.50	190.7
38	Jul 17	579.58	578.91	576.49	192.4
39	Jul 18	---------	578.90	576.49	189.5
40	Jul 20	579.59	578.93	576.56	191.0
41	Jul 21	579.64	578.98	576.56	194.1
42	Jul 21	579.69	579.03	576.57	193.7
43	Jul 25	579.84	579.17	576.64	198.6
44	Jul 26	579.58	578.92	576.56	190.0
45	Jul 26	579.49	578.84	576.53	184.6
46	Jul 27	---------	578.88	576.54	191.3
47	Jul 27	---------	578.97	576.60	192.9
48	Jul 28	---------	579.22	576.62	200.8
49	Jul 28	579.84	579.17	576.62	199.2
50	Aug 1	579.63	578.95	576.54	191.7
51	Aug 1	579.63	578.99	576.53	193.1
52	Aug 2	579.47	578.83	576.50	183.5
53	Aug 2	579.50	578.84	576.50	183.8
54	Aug 3	579.50	578.88	576.56	184.3
55	Aug 4	579.64	579.07	576.56	193.2
56	Aug 4	579.76	579.18	576.59	194.4
57	Aug 7	579.64	579.01	576.61	188.9
58	Aug 7	579.68	579.04	576.63	189.8
59	Aug 8	579.69	579.05	576.61	192.6
60	Aug 8	579.72	579.11	576.63	189.9
61	Aug 9	579.69	579.06	576.61	192.3
62	Aug 10	579.67	579.09	576.61	193.8
63	Aug 11	580.00	579.31	576.54	208.0
64	Aug 11	579.90	579.22	576.56	209.2
65	Aug 30	579.56	578.92	576.49	183.8

TABLE 4.24
(Continued)

Summary of Discharge Measurements
St. Clair River
Dry Dock Section
1928

Meas. No.	Date	Water Levels (Feet,1903 Datum) GTR	Dry Dock	Roberts Landing	Discharge (TCFS)
66	Aug 30	579.83	579.16	576.53	200.0
67	Aug 31	579.85	579.18	576.50	198.9
68	Aug 31	579.84	579.17	576.52	203.0
69	Sep 1	579.60	578.95	576.45	193.2
70	Sep 1	579.67	579.01	576.45	197.6
71	Sep 5	579.70	579.04	576.39	195.6
72	Sep 5	579.70	579.10	576.40	198.5
73	Sep 6	579.58	579.01	576.35	196.2
74	Sep 6	579.64	579.03	576.36	196.2
75	Sep 8	579.45	578.83	576.35	187.4
76	Sep 8	579.50	578.85	576.36	189.7
77	Sep 25	579.69	579.06	576.35	195.4
78	Sep 25	579.71	579.05	576.40	200.1
79	Sep 26	579.56	578.87	576.29	194.1
80	Sep 26	579.51	578.83	576.33	191.5
81	Sep 28	579.56	578.88	576.25	194.8
82	Sep 29	579.58	578.90	576.27	195.6
83	Oct 3	579.45	578.78	576.21	192.5
84	Oct 4	---------	578.67	576.17	194.1
85	Oct 4	---------	578.67	576.17	185.6
86	Oct 6	579.35	578.67	576.24	182.0
87	Oct 8	---------	578.52	576.13	176.8
88	Oct 9	---------	578.92	576.28	197.2
89	Oct 9	---------	579.05	576.32	206.4
90	Oct 10	---------	578.81	576.23	193.8
91	Oct 26	579.90	579.17	576.31	205.0
92	Oct 26	579.75	579.03	576.29	204.6
93	Oct 27	579.58	578.88	576.35	192.6
94	Oct 28	579.64	578.94	576.35	196.8
95	Oct 30	579.73	579.05	576.33	199.5
96	Oct 30	579.63	578.94	576.31	194.9
97	Oct 31	579.70	579.01	576.37	197.6

TABLE 4.24
(Continued)

Summary of Discharge Measurements
St. Clair River
Dry Dock Section
1928

Meas. No.	Date		Water Levels (Feet,1903 Datum) GTR	Dry Dock	Roberts Landing	Discharge (TCFS)
98	Oct	31	579.81	579.11	576.37	197.7
99	Nov	1	579.67	578.97	576.26	199.1
100	Nov	1	579.78	579.08	576.30	202.8
101	Nov	2	579.68	578.94	576.21	202.5
102	Nov	2	579.69	578.96	576.23	202.4
103	Nov	7	579.62	578.90	576.20	195.4
104	Nov	8	579.75	579.07	576.22	203.3
105	Nov	9	579.82	579.09	576.28	202.2
106	Nov	9	579.77	579.04	576.26	204.7
107	Nov	10	579.65	578.91	576.22	201.9
108	Nov	10	579.66	578.94	576.22	202.0
109	Nov	12	---------	578.88	576.54	230.6
110	Nov	13	579.98	579.04	576.25	207.0
111	Nov	13	579.74	578.85	576.23	196.3

TABLE 4.25

Summary of Discharge Measurements
St. Clair River
Dry Dock Section
1929

Meas. No.	Date	Water Levels (Feet,1903 Datum) Dry Dock	Roberts Landing	Discharge (TCFS)
1	Jun 15	580.57	577.82	215.0
2	Jun 15	580.60	577.82	215.9
3	Jun 19	580.62	577.82	217.7
4	Jun 19	580.53	577.78	212.5
5	Jun 20	580.58	577.82	218.8
6	Jun 20	580.66	577.84	220.8
7	Jun 21	580.64	577.82	217.4
8	Jun 21	580.65	577.82	219.8
9	Jun 22	580.60	577.83	218.7
10	Jun 22	580.69	577.83	221.3
11	Jun 25	580.73	577.85	225.6
12	Jun 25	580.71	577.87	223.9
13	Jun 26	580.67	577.86	220.2
14	Jun 26	580.68	577.84	217.7
15	Jun 27	580.50	577.84	208.7
16	Jun 27	580.53	577.83	211.5
17	Jun 29	580.73	577.90	223.4
18	Jun 29	580.69	577.89	221.4
19	Jul 1	580.66	577.89	219.2
20	Jul 1	580.68	577.89	217.2
21	Aug 5	580.89	578.00	222.8
22	Aug 6	580.76	577.93	222.7
23	Aug 6	580.74	577.90	222.2
24	Aug 7	580.72	577.91	217.7
25	Aug 7	580.79	577.93	216.0
26	Aug 8	580.60	577.89	210.0
27	Aug 8	580.65	577.88	216.6
28	Aug 9	580.61	577.86	214.4
29	Aug 9	580.67	577.89	215.3
30	Aug 10	580.57	577.89	208.2
31	Aug 10	580.64	577.89	211.6
32	Aug 13	580.52	577.84	207.6
33	Aug 13	580.49	577.81	205.3

TABLE 4.25
(Continued)

Summary of Discharge Measurements
St. Clair River
Dry Dock Section
1929

Meas. No.	Date	Water Levels (Feet,1903 Datum) Dry Dock	Roberts Landing	Discharge (TCFS)
34	Aug 14	580.65	577.88	213.9
35	Aug 14	580.71	577.96	215.4
36	Aug 17	580.54	577.83	210.3
37	Aug 17	580.57	577.81	212.1
38	Aug 20	580.59	577.81	213.1
39	Aug 20	580.63	577.81	220.0
40	Aug 21	580.40	577.76	211.6
41	Aug 21	580.51	577.75	211.6
42	Aug 22	580.41	577.77	205.0

TABLE 4.26

Summary of Discharge Measurements
St. Clair River
Dry Dock Section
1930

Meas. No.	Date		Water Levels (Feet,1903 Datum) GTR	Dry Dock	Roberts Landing	Discharge (TCFS)
1	Aug	5	580.39	579.76	577.14	204.5
2	Aug	6	580.46	579.82	577.17	206.1
3	Aug	6	580.48	579.84	577.16	205.5
4	Aug	7	580.37	579.73	577.12	202.7
5	Aug	7	580.35	579.73	577.13	200.5
6	Aug	9	580.30	579.68	577.10	198.7
7	Aug	11	580.74	580.06	577.20	212.6
8	Aug	13	580.27	579.64	577.07	197.8
9	Aug	13	580.33	579.69	577.07	197.7
10	Aug	14	580.17	579.56	577.05	196.2
11	Aug	14	580.33	579.70	577.08	192.6
12	Aug	15	580.38	579.74	577.08	204.0
13	Aug	15	580.39	579.75	577.07	206.8
14	Aug	16	580.25	579.62	577.04	200.4
15	Aug	16	580.26	579.65	577.06	202.0
16	Aug	18	580.39	579.74	577.06	209.1
17	Aug	18	580.38	579.73	577.03	207.6
18	Aug	19	580.40	579.76	577.06	208.5
19	Aug	19	580.34	579.69	577.02	205.9
20	Aug	20	580.25	579.62	577.00	204.7
21	Aug	20	580.35	579.70	577.02	207.7
22	Aug	21	580.36	579.71	577.02	208.6
23	Aug	22	580.25	579.62	576.99	202.7
24	Aug	22	580.32	579.68	577.05	205.6

TABLE 4.27

Summary of Discharge Measurements
St. Clair River
Stag Island Section
1925, 1928, 1929

Meas. No.	Date	Water Level Elevations (Feet,1903 Datum) Dry Dock	Marysville	Villa Louise	Roberts Landing	Discharge (TCFS)
	1925					
1	May 7	--------	--------	--------	--------	63.8
2	May 8	--------	--------	--------	--------	63.2
3	May 8	577.20	576.81	576.36	574.84	64.2
	1928					
1	May 16	578.30	577.86	577.31	575.73	71.6
2	May 16	578.26	577.81	577.28	575.70	69.8
3	May 18	578.46	577.99	577.45	575.83	69.4
4	May 18	578.50	578.03	577.48	575.84	71.1
5	May 18	578.52	578.04	577.48	575.85	72.1
6	Aug 25	579.15	578.73	578.16	576.54	70.7
7	Aug 25	579.14	578.72	578.15	576.54	72.4
8	Aug 28	578.93	578.55	578.03	576.52	67.8
9	Aug 28	579.08	578.68	578.07	576.54	69.3
10	Aug 29	579.05	578.64	578.08	576.48	71.8
11	Aug 29	579.12	578.70	578.10	576.53	72.2
12	Oct 12	578.87	578.43	577.78	576.24	71.0
13	Oct 13	579.20	578.74	578.11	576.31	77.2
14	Oct 13	578.91	578.42	577.86	576.18	73.4
15	Oct 17	578.87	578.42	577.85	576.24	71.4
16	Oct 17	579.05	578.61	578.02	576.26	74.0
17	Oct 18	578.79	578.38	577.83	576.28	68.5
18	Oct 18	578.72	578.35	577.83	576.41	64.8
	1929					
1	May 21	580.52	--------	579.05	577.77	84.2
2	May 22	580.40	579.70	579.35	577.76	79.4
3	May 22	580.41	579.91	579.36	577.73	77.1
4	May 22	580.36	579.87	579.33	577.74	77.4

TABLE 4.27
(Continued)

Summary of Discharge Measurements
St. Clair River
Stag Island Section
1925, 1928, 1929

Meas. No.	Date	Water Level Elevations (Feet,1903 Datum) Dry Dock	Marysville	Villa Louise	Roberts Landing	Discharge (TCFS)
5	May 24	580.47	--------	579.38	577.77	81.3
6	May 24	580.60	--------	579.50	577.83	82.1
7	Sep 11	580.51	579.96	579.42	577.64	81.0
8	Sep 11	580.36	579.83	579.30	577.62	78.7
9	Sep 11	580.39	579.87	579.34	577.64	79.6
10	Sep 12	580.42	579.89	579.34	577.64	79.6
11	Sep 12	580.42	579.87	579.32	577.61	79.9
12	Sep 13	580.23	579.74	579.24	577.65	75.6
13	Sep 13	580.21	579.70	579.22	577.62	75.2
14	Sep 13	580.23	579.70	579.21	577.65	76.4
15	Sep 13	580.26	579.75	579.25	577.63	76.2

TABLE 4.28

Summary of Discharge Measurements
St. Clair River
Woodtick Section
1928, 1929

Meas. No.	Date	Water Levels (Feet,1903 Datum) Dry Dock	Marine City	Section	Roberts Landing	Discharge (TCFS)
	1928					
1	May 9	578.39	576.18	575.97	575.74	33.8
2	May 9	578.39	576.15	576.00	575.74	34.2
3	May 9	578.38	576.16	576.01	575.76	33.8
4	May 10	578.21	576.13	575.96	575.73	32.9
5	May 10	578.31	576.14	575.98	575.72	34.0
6	May 10	578.40	576.18	575.99	575.75	34.4
7	Aug 17	578.99	576.94	576.77	576.51	31.1
8	Aug 17	579.10	577.01	576.83	576.56	32.5
9	Aug 18	579.19	577.02	576.85	576.58	33.2
10	Aug 18	579.16	577.01	576.83	576.58	32.8
11	Aug 20	579.04	576.96	576.80	576.55	30.9
12	Aug 22	579.18	576.98	576.81	576.53	32.6
13	Aug 22	579.06	576.92	576.77	576.51	31.9
14	Aug 22	579.10	576.96	576.79	576.54	32.4
15	Aug 22	579.16	576.99	576.83	576.55	32.2
16	Oct 23	579.15	576.81	576.63	576.36	34.2
17	Oct 23	579.07	576.72	576.55	576.29	34.0
18	Oct 23	579.16	576.77	576.61	576.30	33.9
19	Oct 24	579.08	576.76	576.62	576.34	33.2
20	Oct 24	579.09	576.77	576.60	576.34	33.3
21	Oct 24	579.16	576.76	576.67	576.40	33.2
22	Oct 24	579.12	576.76	576.63	576.38	34.2
	1929					
1	May 15	580.40	578.24	--------	577.82	38.2
2	May 15	580.33	578.21	--------	577.79	37.9
3	May 15	580.27	578.14	--------	577.76	35.8
4	May 15	580.35	578.21	--------	577.80	36.5
5	May 15	580.41	578.24	--------	577.83	37.2
6	May 17	580.68	578.36	--------	577.91	41.2
7	May 17	580.45	578.19	--------	577.80	38.5

TABLE 4.29

Summary of Discharge Measurements
St. Clair River
Dry Dock Section
Summer 1937

Meas. No.	Date	Water Levels (Feet,1935 Datum) Harbor Beach	Fort Gratiot	Dry Dock	Roberts Landing	G.P.Y.C.	Discharge (TCFS)
1	May 18	578.51	--------	577.25	575.11	574.44	163.4
2	May 18	578.51	578.23	577.26	575.12	574.44	160.0
3	May 19	578.54	578.31	577.32	575.13	574.36	165.4
4	May 19	578.54	578.32	577.33	575.10	574.36	165.2
5	May 20	578.45	578.33	577.29	575.10	574.39	163.2
6	May 20	578.45	578.17	577.18	575.09	574.39	158.5
7	May 21	578.35	578.04	577.08	575.05	574.38	151.8
8	May 24	578.46	578.24	577.27	575.11	574.47	163.9
9	May 24	578.46	578.20	577.28	575.11	574.47	162.6
10	May 25	578.37	578.14	577.20	575.12	574.47	160.0
11	May 25	578.37	578.10	577.14	575.09	574.47	153.7
12	May 29	578.45	578.26	577.36	575.20	574.52	159.8
13	Jun 1	578.58	--------	577.48	575.18	574.48	171.8
14	Jun 1	578.58	--------	577.34	575.09	574.48	168.4
15	Jun 2	578.50	578.23	577.26	575.12	574.48	159.8
16	Jun 2	578.50	578.21	577.27	575.12	574.48	159.9
17	Jun 3	578.55	578.27	577.29	575.13	574.43	160.1
18	Jun 3	578.55	578.30	577.35	575.16	574.43	159.1
19	Jun 4	578.54	578.32	577.37	575.15	574.48	165.5
20	Jun 4	578.54	578.27	577.31	575.14	574.48	162.2

TABLE 4.30

Summary of Discharge Measurements
St. Clair River
Dry Dock Section
Fall 1937

Meas. No.	Date	Water Levels (Feet,1935 Datum) Harbor Beach	Fort Gratiot	Dry Dock	Roberts Landing	G.P.Y.C.	Discharge (TCFS)
1	Sep 28	578.35	578.09	577.20	575.00	574.25	160.2
2	Sep 28	578.35	578.09	577.21	575.00	574.25	162.6
3	Sep 29	578.35	578.11	577.22	--------	574.13	162.2
4	Sep 29	578.35	578.10	577.21	--------	574.13	161.8
5	Sep 30	578.23	577.81	576.98	574.93	574.15	149.4
6	Oct 1	578.29	578.03	577.15	574.99	574.07	155.2
7	Oct 1	578.29	578.12	577.25	574.98	574.07	158.3
8	Oct 2	578.30	578.18	577.28	574.95	574.18	163.3
9	Oct 2	578.30	578.04	577.12	574.91	574.18	160.4
10	Oct 4	578.20	577.92	577.07	574.92	574.13	156.3
11	Oct 4	578.20	577.92	577.07	574.92	574.13	155.9
12	Oct 8	578.49	578.37	577.46	575.00	573.99	172.3
13	Oct 8	578.49	578.23	577.26	574.95	573.99	161.0
14	Oct 11	578.17	577.83	576.98	574.86	573.93	155.2
15	Oct 11	578.17	578.00	577.14	574.88	573.93	159.8
16	Oct 12	578.40	578.29	577.50	575.03	573.83	169.4
17	Oct 12	578.40	578.24	577.28	574.89	573.83	168.7

TABLE 4.31

Summary of Discharge Measurements
St. Clair River
Stag Island Section
1937

Meas. No.	Date	Water Levels (Feet,1903 Datum) Dry Dock	Roberts Landing	Discharge (TCFS)
1	Oct 14	577.12	574.94	56.7
2	Oct 15	577.24	574.91	59.6
3	Oct 15	577.17	574.89	57.4
4	Oct 15	577.08	574.88	57.3
5	Oct 15	577.07	574.88	56.6
6	Oct 16	576.98	574.82	58.2
7	Oct 16	576.98	574.82	56.2
8	Oct 16	576.98	574.83	57.0
9	Oct 19	577.04	574.86	56.2
10	Oct 19	577.08	574.90	57.2

TABLE 4.32

Summary of Discharge Measurements
St. Clair River
Stag Island Section
1944

Meas. No.	Date	Water Levels (Feet,1935 Datum) Fort Gratiot	G.T.R.	Dry Dock	St. Clair	Roberts Landing	Discharge (TCFS)
1	Jul 17	580.44	580.04	579.44	578.25	576.99	70.5
2	Jul 17	580.45	580.04	579.44	578.27	577.00	70.9
3	Jul 18	580.43	580.01	579.41	578.23	577.00	71.9
4	Jul 18	580.52	580.13	579.50	578.30	577.02	71.0
5	Jul 18	580.39	580.03	579.39	578.22	576.98	70.7
6	Jul 19	580.32	579.97	579.34	578.17	576.97	69.5
7	Jul 19	580.26	579.91	579.32	578.14	576.96	67.7
8	Jul 19	580.53	580.14	579.48	578.28	577.01	71.0
9	Jul 19	580.40	580.06	579.41	578.22	576.99	71.2
10	Jul 20	580.58	580.17	579.54	578.30	577.01	72.3
11	Jul 20	580.58	580.18	579.53	578.31	577.02	72.1

TABLE 4.33

Summary of Discharge Measurements
St. Clair River
St. Clair Section
Summer 1944

Meas. No.	Date	Water Levels (Feet,1949 Adjustment of 1935 Datum) Harbor Beach	Fort Gratiot	G.T.R.	Dry Dock	St. Clair	Roberts Landing	G.P.Y.C.	Discharge (TCFS)
1	Jun 8	580.53	580.23	--------	579.21	578.04	576.80	576.00	197.6
2	Jun 9	580.59	580.23	579.80	579.19	578.00	576.76	576.09	196.8
3	Jun 9	580.59	580.30	579.85	579.25	578.03	576.79	576.09	201.3
4	Jun 10	580.61	--------	579.88	579.22	578.03	576.82	576.11	197.2
5	Jun 10	580.61	--------	579.94	579.32	578.09	576.83	576.11	201.3
6	Jun 13	580.52	580.24	579.80	579.20	578.01	576.82	576.10	195.9
7	Jun 13	580.52	580.19	579.75	579.17	578.00	576.82	576.10	198.3
8	Jun 14	580.49	580.11	579.64	579.12	577.92	576.80	576.09	191.0
9	Jun 14	580.49	580.15	579.70	579.14	577.95	576.81	576.09	193.7
10	Jun 15	580.70	580.30	579.82	579.25	578.01	576.84	576.04	200.3
11	Jun 15	580.70	580.36	579.87	579.30	578.07	576.85	576.04	199.1
12	Jun 16	580.70	580.21	579.83	579.22	578.02	576.88	576.06	196.5
13	Jun 17	580.74	580.47	--------	579.30	578.10	576.87	576.13	205.6
14	Jun 21	580.77	580.39	--------	579.35	578.16	576.96	576.19	191.8
15	Jun 21	580.77	580.54	--------	579.46	578.19	576.96	576.19	201.0
16	Jun 22	580.76	580.38	579.96	579.33	578.17	576.95	576.17	196.9
17	Jun 22	580.76	580.41	580.00	579.39	578.21	576.95	576.17	201.3
18	Jun 23	580.85	580.32	579.81	579.26	578.15	576.96	576.02	189.2
19	Jun 24	581.07	580.77	580.26	579.61	578.30	576.99	576.16	212.8
20	Jun 26	580.81	580.37	580.04	579.37	578.21	577.00	576.26	200.8
21	Jun 29	580.93	580.53	580.06	579.45	578.21	576.97	576.22	200.5
22	Jul 3	580.80	580.54	580.05	579.41	578.22	576.98	576.22	201.6
23	Jul 7	580.72	580.34	579.85	579.34	578.15	576.95	576.17	198.6
24	Jul 11	580.77	580.47	580.03	579.45	578.23	576.99	576.19	199.6

TABLE 4.34

Summary of Discharge Measurements
St. Clair River
St. Clair Section
Fall 1944

Meas. No.	Date	Water Levels (Feet,1949 Adjustment of 1935 Datum) Fort Gratiot	G.T.R.	Dry Dock	St. Clair	Roberts Landing	Discharge (TCFS)
1	Sep 22	--------	580.07	579.48	578.06	576.66	206.5
2	Sep 23	--------	579.82	579.20	577.94	576.60	198.5
3	Sep 23	--------	579.85	579.21	577.95	576.61	201.9
4	Sep 25	--------	579.64	--------	577.89	576.64	192.0
5	Sep 25	--------	579.63	--------	577.88	576.63	191.2
6	Sep 26	--------	579.84	--------	577.95	576.65	199.5
7	Sep 26	--------	579.83	--------	577.98	576.62	201.0
8	Sep 27	--------	579.55	--------	577.80	576.61	187.5
9	Sep 27	--------	579.42	--------	577.74	576.57	188.6
10	Sep 28	--------	579.69	--------	577.91	576.66	189.7
11	Sep 28	--------	580.04	579.57	--------	576.81	205.8
12	Oct 4	580.04	579.55	579.01	577.81	576.56	191.0
13	Oct 4	580.11	579.68	579.07	577.85	576.58	197.5
14	Oct 9	--------	579.84	579.18	577.90	576.55	204.0
15	Oct 9	--------	579.77	579.13	577.88	576.54	199.6
16	Oct 12	579.98	579.56	578.96	577.77	576.50	197.1
17	Oct 12	579.98	579.55	578.96	577.76	576.51	191.5
18	Oct 16	580.21	579.62	579.10	577.87	576.57	195.8
19	Oct 16	580.40	579.89	579.23	577.98	576.62	203.7
20	Oct 20	580.05	579.52	578.93	577.70	576.39	196.6
21	Oct 20	580.12	579.66	578.97	577.76	576.41	200.6
22	Oct 31	579.54	--------	578.52	--------	576.21	179.5
23	Oct 31	579.59	--------	578.58	--------	576.23	178.9

TABLE 4.35

Summary of Discharge Measurements
St. Clair River
St. Clair Section
Summer 1947

Meas. No.	Date	Water Levels (Feet,1949 Adjustment of 1935 Datum) Fort Gratiot	G.T.R.	Dry Dock	Marysville	St. Clair	Marine* City	Roberts Landing	Discharge (TCFS)
1	Jun 19	580.56	580.13	579.57	579.21	578.52	577.70	577.34	194.1
2	Jun 20	580.52	580.11	579.54	579.18	578.51	577.69	577.31	190.5
3	Jun 23	580.40	580.00	579.46	579.11	578.44	577.67	577.30	189.5
4	Jun 24	580.44	580.01	579.48	579.14	578.43	577.63	577.28	192.0
5	Jun 25	580.45	580.07	579.53	579.17	578.47	577.68	577.31	191.8
6	Jun 26	580.50	580.09	579.57	579.18	578.51	577.73	577.30	190.8
7	Jun 27	580.46	580.05	579.53	579.15	578.46	577.64	577.29	194.5
8	Jun 27	580.39	580.00	579.48	579.12	578.40	577.64	577.28	194.6
9	Jul 1	580.74	580.23	579.69	579.30	578.55	577.71	577.36	201.8
10	Jul 3	580.73	580.30	579.70	579.31	578.60	577.73	577.36	198.9
11	Jul 7	580.98	580.51	579.86	579.43	578.66	577.74	577.32	212.5
12	Jul 7	580.97	580.51	579.85	579.42	578.64	577.74	577.33	211.9
13	Jul 8	580.88	580.44	579.81	579.39	578.62	577.75	577.33	212.3
14	Jul 9	580.84	580.37	579.78	579.35	578.63	577.75	577.38	196.8
15	Jul 9	580.81	580.38	579.77	579.36	578.63	577.75	577.38	203.5
16	Jul 10	580.67	580.25	579.67	579.28	578.58	577.78	577.38	197.2
17	Jul 10	--------	580.23	579.65	579.26	578.57	577.78	577.38	196.2
18	Jul 11	580.64	580.24	579.66	579.27	578.57	577.75	577.40	198.5
19	Jul 11	580.70	580.28	579.70	579.32	578.61	577.75	577.45	199.3
20	Jul 14	580.55	580.13	579.57	579.20	578.53	577.75	577.41	195.7
21	Jul 15	580.70	580.28	579.72	579.35	578.62	577.75	577.48	197.5
22	Jul 16	580.70	580.27	579.72	579.33	578.65	577.85	577.45	200.0

* Daily Means

TABLE 4.36

Summary of Discharge Measurements
St. Clair River
St. Clair Section
Fall 1947

Meas. No.	Date	Water Levels (Feet,1949 Adjustment of 1935 Datum) Fort Gratiot	G.T.R.	Dry Dock	Marysville	St. Clair	Marine* City	Roberts Landing	Discharge (TCFS)
1	Oct 21	580.41	579.99	579.38	578.95	578.17	577.31	576.93	205.1
2	Oct 22	580.09	579.68	579.12	578.71	577.98	577.26	576.85	190.0
3	Oct 22	580.18	579.77	579.20	578.79	578.09	577.26	--------	188.7
4	Oct 23	581.14	580.58	--------	579.36	578.45	577.39	576.96	226.8
5	Oct 23	580.94	580.42	--------	579.23	578.37	577.39	576.93	225.7
6	Oct 24	580.12	579.70	579.13	578.70	577.98	577.17	576.79	196.4
7	Oct 24	580.05	579.64	579.05	578.65	577.97	577.17	576.80	192.6
8	Oct 27	580.20	579.78	--------	578.76	578.02	577.17	576.81	194.4
9	Oct 27	580.14	579.72	--------	578.73	577.97	577.17	576.78	199.4
10	Oct 28	580.21	579.77	579.19	578.77	578.05	577.19	576.82	196.6
11	Oct 28	580.25	579.81	579.22	578.81	578.03	577.19	576.80	197.2
12	Oct 29	580.35	579.93	579.31	578.87	578.10	577.20	576.83	199.4
13	Oct 29	580.50	580.05	579.43	578.99	578.18	577.20	576.89	204.4
14	Oct 30	580.45	580.00	579.37	578.91	578.15	577.20	576.83	204.3
15	Oct 30	580.41	579.97	579.36	578.90	578.13	577.20	576.81	202.8
16	Oct 31	580.36	579.94	579.33	578.88	578.13	577.17	576.81	205.4
17	Oct 31	580.43	580.00	579.37	578.93	578.13	577.17	576.84	202.1
18	Nov 3	580.20	579.79	579.17	578.75	578.01	577.20	576.78	196.5
19	Nov 3	580.24	579.80	579.21	578.78	578.04	577.20	576.81	198.3
20	Nov 4	580.15	579.75	579.15	578.74	578.00	577.19	576.78	196.4
21	Nov 4	580.12	579.71	579.13	578.71	577.97	577.19	576.79	194.8
22	Nov 5	580.09	579.68	579.10	578.69	577.98	577.20	576.80	192.7
23	Nov 5	580.13	579.73	579.15	578.73	578.00	577.20	576.78	190.4

* Daily Means

TABLE 4.37

Summary of Discharge Measurements
St. Clair River
St. Clair Section
Spring 1949

Meas. No.	Date	Water Levels (Feet,1949 Adjustment of 1935 Datum) Fort Gratiot	Dry Dock	St. Clair	Roberts Landing	Discharge (TCFS)
1	Apr 11	578.93	578.02	576.90	575.79	178.3
2	Apr 11	578.91	578.02	576.91	575.82	185.0
3	Apr 12	578.81	577.92	576.80	575.75	179.3
4	Apr 12	578.79	577.89	576.78	575.74	173.1
5	Apr 13	578.96	578.02	576.88	575.75	179.0
6	Apr 13	578.99	578.04	576.88	575.76	186.5
7	Apr 14	579.14	578.12	576.94	575.76	185.8
8	Apr 14	579.04	578.11	576.93	575.76	190.5
9	Apr 18	578.98	578.07	576.96	575.89	181.6
10	Apr 18	578.90	578.02	576.93	575.89	175.4
11	Apr 19	579.02	578.04	576.94	575.85	184.1
12	Apr 19	579.00	578.04	576.95	575.85	181.4
13	Apr 20	578.94	578.01	576.94	575.86	177.1
14	Apr 20	578.85	577.98	576.91	575.86	173.7
15	Apr 21	579.01	578.09	576.98	575.86	182.6
16	Apr 21	579.00	578.09	576.97	575.85	180.8

TABLE 4.38

Summary of Discharge Measurements
St. Clair River
St. Clair Section
Fall 1949

Meas. No.	Date	Water Levels (Feet,1949 Adjustment of 1935 Datum) Fort Gratiot	Dry Dock	St. Clair	Roberts Landing	Discharge (TCFS)
1	Oct 3	578.54	577.67	576.59	575.44	172.3
2	Oct 3	578.48	577.61	576.55	575.45	171.0
3	Oct 4	578.63	577.75	------	575.42	175.0
4	Oct 4	578.68	577.77	576.63	575.41	175.0
5	Oct 4	578.82	577.87	576.71	575.46	181.1
6	Oct 5	578.86	577.84	576.65	575.52*	183.1
7	Oct 5	578.79	877.81	576.65	575.52*	182.5
8	Oct 5	578.63	577.69	576.65	575.52*	177.9
9	Oct 6	578.30	577.49	576.43	575.39*	168.8
10	Oct 6	578.32	577.52	576.43	575.39*	168.2
11	Oct 7	578.32	577.47	576.45	575.41	166.5
12	Oct 7	578.35	577.54	------	575.42	167.9
13	Oct 10	578.53	577.62	576.48	575.41	171.6
14	Oct 11	578.62	577.56	576.60	575.44*	168.5
15	Oct 11	578.68	577.71	576.60	575.44*	171.1
16	Oct 11	578.69	577.76	576.60	575.44*	174.3
17	Oct 12	578.96	578.03	576.91	575.71	181.9
18	Oct 12	578.80	577.95	576.87	575.68	181.4
19	Oct 12	578.68	577.83	576.75	575.59	176.7

* Daily Means

TABLE 4.39

Summary of Discharge Measurements
St. Clair River
St. Clair Section
1950

Meas. No.	Date	Water Levels (Feet,1935 Datum) Harbor Beach	Fort Gratiot	Dry Dock	St. Clair	St. Clair Section	Roberts Landing	Grosse Pointe Yacht Club	Discharge (TCFS)
1	Jul 6	579.83	579.52	578.52	577.44	577.01	576.30	575.56	185.15
2	Jul 6	579.83	579.52	578.51	577.45	577.02	576.30	575.56	182.45
3	Jul 7	579.82	579.49	578.50	577.41	576.98	576.30	575.56	181.45
4	Jul 7	579.82	579.49	578.50	577.43	577.01	576.30	575.56	184.05
5	Jul 10	579.76	579.44	578.48	577.40	576.97	576.28	575.59	183.10
6	Jul 10	579.76	579.49	578.51	577.44	577.01	576.32	575.59	182.45
7	Jul 11	579.75	579.45	578.48	577.41	576.97	576.29	575.57	182.20
8	Jul 11	579.75	579.44	578.47	577.40	576.98	576.28	575.57	181.40
9	Jul 12	579.71	579.35	578.41	577.38	576.97	576.30	575.51	179.30
10	Jul 12	579.71	579.36	578.42	577.38	576.97	576.29	575.51	176.85
11	Jul 13	579.90	579.71	578.65	577.61	577.20	576.38	575.45	191.80
12	Jul 13	579.90	579.63	578.61	577.48	577.00	576.32	575.45	181.15
13	Jul 14	579.91	579.57	578.58	577.47	577.03	576.30	575.55	183.40
14	Jul 14	579.91	579.56	578.57	577.47	577.03	576.31	575.55	183.50
15	Jul 17	579.80	579.42	578.49	577.53	577.15	576.47	575.51	167.70
16	Jul 17	579.80	579.44	578.50	577.52	577.11	576.44	575.51	169.95
17	Jul 18	579.97	579.73	578.66	577.54	577.12	576.34	575.54	187.45
18	Jul 18	579.97	579.71	578.69	577.59	577.14	576.34	575.54	193.50
19	Jul 19	579.93	579.64	578.61	577.52	577.07	576.35	575.69	184.50
20	Jul 19	579.93	579.68	578.66	577.57	577.12	576.37	575.69	191.00
21	Sep 18	579.86	579.40	578.44	577.36	576.96	--------	575.40	173.70
22	Sep 18	579.86	579.34	578.41	577.36	576.99	--------	575.40	167.20
23	Sep 19	580.03	579.99	578.85	577.62	577.10	--------	575.45	194.55
24	Sep 19	580.03	579.98	578.81	577.59	577.12	--------	575.45	195.00

TABLE 4.39
(Continued)

Summary of Discharge Measurements
St. Clair River
St. Clair Section
1950

Meas. No.	Date	Water Levels (Feet,1935 Datum) Harbor Beach	Fort Gratiot	Dry Dock	St. Clair	St. Clair Section	Roberts Landing	Grosse Pointe Yacht Club	Discharge (TCFS)
25	Sep 20	579.88	579.62	578.55	577.43	577.00	576.26	575.44	182.65
26	Sep 20	579.88	579.63	578.58	577.44	577.01	576.27	575.44	181.60
27	Sep 21	579.90	579.77	578.69	577.51	577.06	576.28	575.45	188.40
28	Sep 21	579.90	579.79	578.70	577.52	577.06	576.29	575.45	195.10
29	Sep 22	579.90	579.51	578.48	577.38	576.96	576.24	575.34	182.75
30	Sep 22	579.90	579.49	578.48	577.37	576.96	576.26	575.34	177.65
31	Sep 25	579.96	579.57	578.58	577.54	577.07	576.35	575.22	180.05
32	Sep 25	579.96	579.70	578.66	577.57	577.10	576.32	575.22	182.40
33	Sep 26	579.88	579.48	578.47	577.37	576.92	576.19	575.23	180.95
34	Sep 26	579.88	579.54	578.50	577.38	576.93	576.17	575.23	185.25
35	Sep 27	579.81	579.53	578.47	577.36	576.89	576.14	575.26	184.00
36	Sep 27	579.81	579.56	578.50	577.37	576.90	576.14	575.26	187.95
37	Sep 28	579.80	579.38	578.36	577.27	576.84	576.11	575.25	182.25
38	Sep 28	579.80	579.45	578.42	577.32	576.85	576.12	575.25	181.75
39	Sep 29	579.81	579.44	578.42	577.30	576.84	576.10	575.27	181.55
40	Sep 29	579.81	579.46	578.43	577.32	576.87	576.10	575.27	184.40

TABLE 4.40

Summary of Discharge Measurements
St. Clair River
Dry Dock Section
1947

Meas. No.	Date	Water Levels (Feet,1935 Datum) Fort Gratiot	G.T.R.	Dry Dock	St. Clair	Roberts Landing	Discharge (TCFS)
1	Aug 5	580.70	580.27	579.71	578.42	577.46	199.0
2	Aug 5	580.60	580.19	579.60	578.47	577.44	194.1
3	Aug 6	580.70	580.24	579.64	578.48	577.43	196.4
4	Aug 6	580.80	580.34	579.72	578.56	577.45	195.0
5	Aug 7	580.74	580.31	579.70	578.55	577.45	199.3
6	Aug 7	580.83	580.38	579.76	578.56	577.47	204.5
7	Aug 8	580.95	580.46	579.83	578.60	577.48	205.8
8	Aug 12	580.67	580.26	579.66	578.51	577.43	198.2
9	Aug 12	580.72	580.30	579.68	578.51	571.43	198.2
10	Aug 13	580.68	580.27	579.68	578.51	577.44	198.1
11	Aug 13	580.70	580.28	579.67	578.52	577.44	195.3
12	Aug 14	580.75	580.30	579.69	578.53	577.45	199.8
13	Aug 14	580.67	580.24	579.65	578.47	577.47	197.9
14	Aug 15	580.92	580.48	579.86	578.62	577.48	207.8
15	Aug 15	581.05	580.58	579.54	578.69	577.53	213.3
16	Aug 18	580.56	580.17	579.57	578.44	577.42	198.8
17	Aug 18	580.76	580.28	579.70	578.51	577.44	198.9
18	Aug 19	580.76	580.31	579.70	578.50	577.44	200.7
19	Aug 19	580.88	580.42	579.81	578.61	577.50	202.6
20	Aug 20	580.78	580.37	579.73	578.54	577.46	199.3
21	Aug 20	580.81	580.37	579.74	578.55	577.47	198.4
22	Aug 22	580.90	580.44	579.81	578.56	577.50	203.2
23	Aug 22	580.88	580.42	579.78	578.61	577.31	204.4

TABLE 4.41

Summary of Discharge Measurements
St. Clair River
Stag Island Section
1947

Meas. No.	Date	Water Levels (Feet,1935 Datum) Fort Gratiot	G.T.R.	Dry Dock	St. Clair	Roberts Landing	Discharge (TCFS)
1	Jul 21	580.96	580.49	579.88	578.70	577.61	75.2
2	Jul 21	581.03	580.35	579.95	578.66	577.60	74.6
3	Jul 22	581.09	580.64	579.99	578.73	577.58	74.2
4	Jul 22	581.22	580.72	580.04	578.77	577.55	76.9
5	Jul 23	580.87	580.44	579.82	578.64	577.57	69.0
6	Jul 23	580.94	580.50	579.90	578.73	577.62	70.9
7	Jul 24	580.83	580.42	579.81	578.65	577.56	67.9
8	Jul 24	580.84	580.40	579.80	578.65	577.55	68.8
9	Jul 25	580.83	580.40	579.78	578.58	577.54	71.3
10	Jul 25	580.81	580.37	579.75	578.59	577.52	70.4
11	Jul 28	581.04	580.58	579.99	578.70	577.59	73.1
12	Jul 28	580.82	580.41	579.79	578.66	577.51	71.4

TABLE 4.42

Summary of Discharge Measurements
St. Clair River
North Channel Section
1947

Meas. No.	Date	Water Levels (Feet,1935 Datum) G.T.R.	Dry Dock	St. Clair	Roberts Landing	Algonac	Discharge (TCFS)
1	Oct 9	580.08	579.40	578.18	577.03	576.65	76.4
2	Oct 9	580.06	579.40	578.17	577.03	576.68	76.3
3	Oct 10	580.01	579.38	578.17	577.02	576.65	78.1
4	Oct 10	580.04	579.43	578.20	577.04	576.67	77.5
5	Oct 13	580.14	579.49	578.19	577.04	576.66	78.1
6	Oct 14	580.01	579.39	578.16	577.02	576.63	73.7
7	Oct 14	579.99	579.37	578.13	577.01	576.62	74.8
8	Oct 15	579.95	579.32	578.10	576.97	576.60	71.8
9	Oct 15	580.05	579.40	578.13	576.99	576.62	76.3
10	Oct 16	580.01	579.37	578.12	576.97	576.60	75.3
11	Oct 16	580.01	579.35	578.11	576.98	576.60	77.5
12	Oct 17	579.81	579.22	578.14	576.92	576.55	74.8
13	Oct 17	579.91	579.28	578.13	576.94	576.58	75.1

TABLE 4.43

Summary of Discharge Measurements
St. Clair River
St. Clair Section
1952

Meas. No.	Date	Water Levels (Feet,1935 Datum) Lake Huron Harbor Beach	Fort Gratiot	Dry Dock	St. Clair	St. Clair Section	Roberts Landing	Algonac	Grosse Pointe Yacht Club	Discharge (TCFS)
1	Aug 11	582.76	582.34	581.11	579.83	579.20	578.37	578.12	577.38	231.6
2	Aug 12	582.72	582.35	581.13	579.83	579.18	578.35	578.35	577.43	230.9
3	Aug 12	582.72	582.37	581.15	579.86	579.25	578.38	578.38	577.43	237.3
4	Aug 13	582.74	582.29	581.11	579.84	579.24	578.36	578.36	577.41	231.0
5	Aug 13	582.74	582.37	581.16	579.88	579.26	578.38	578.38	577.41	233.2
6	Aug 14	582.70	582.24	581.08	579.81	579.17	578.36	578.36	577.42	225.3
7	Aug 14	582.70	582.23	581.06	579.80	579.18	578.34	578.34	577.42	225.7
8	Aug 15	582.62	582.10	580.97	579.74	579.16	578.33	578.33	577.40	222.2
9	Aug 15	582.62	582.08	580.94	579.73	579.10	578.35	578.35	577.40	221.1
10	Aug 16	582.77	582.39	581.16	579.90	579.27	578.42	578.42	577.44	228.2
11	Aug 16	582.77	582.38	581.16	579.89	579.28	578.43	578.43	577.44	228.0
12	Aug 18	582.73	582.33	581.14	579.86	579.29	578.44	578.44	577.50	227.6
13	Aug 18	582.73	582.43	581.21	579.91	579.34	578.45	578.45	577.50	236.1

TABLE 4.44

Summary of Discharge Measurements
St. Clair River
St. Clair Section
1953

Meas. No.	Date	Water Levels (Feet,1935 Datum) Fort Gratiot	Dry Dock	St. Clair	St. Clair Section	Roberts Landing	Algonac	Number of Panels	Discharge (TCFS)
1	Feb 7	580.70	579.58	578.37	577.04	577.04	576.83	3	206.7
2	Feb 9	580.99	579.75	578.46	577.87	577.02	576.79	11	214.4
3	Feb 11	580.37	579.33	578.08	577.67	576.91	576.71	11	193.8
4	Feb 12	580.79	579.65	578.31	577.89	576.99	576.77	3	207.2
5	Feb 12	580.79	579.66	578.30	577.88	576.97	576.75	1	210.6
6	Feb 13	580.90	579.75	578.48	577.95	577.11	576.89	11	207.7
7	Feb 24	580.75	579.58	578.34	577.83	577.00	576.73	1	203.2
8	Feb 25	580.76	579.58	578.32	577.95	576.94	576.67	11	208.6
9	Feb 25	580.70	579.55	578.28	577.77	576.92	576.65	11	206.0
10	Feb 26	580.75	579.64	578.44	577.91	577.16	576.94	11	194.9
11	Feb 26	580.47	579.43	578.32	577.90	577.10	576.91	11	188.9
12	Feb 27	580.78	579.62	578.36	577.80	576.96	576.70	11	207.7
13	Feb 27	580.82	579.64	578.38	577.77	577.02	576.76	11	208.9
14	Mar 3	580.27	579.14	578.02	577.58	576.85	576.64	1	182.3
15	Mar 3	580.49	579.27	578.08	577.56	576.86	576.65	1	198.1
16	Mar 4	580.62	579.57	578.46	577.95	577.25	577.01	3	196.8
17	Mar 5	581.08	579.84	578.80	578.30	577.46	577.22	3	204.8

TABLE 4.45

Summary of Discharge Measurements
St. Clair River
Blue Water Section
1954

Meas.	Date	Water Levels (Feet,1935 Datum) Harbor Beach	Fort Gratiot	Blue Water Section	Dry Dock	Roberts Landing	Discharge (TCFS)
1	Jan 16	580.62	580.26	580.24	579.78	577.29	126.50
2	Jan 18	580.37	579.76	579.57	579.41	576.81	105.10
3	Jan 19	580.40	579.96	579.78	579.60	576.94	112.90
4	Jan 20	580.46	580.01	579.76	579.57	576.93	127.50
5	Jan 25	580.42	579.86	579.67	579.46	576.69	129.00
6	Jan 26	580.47	579.87	579.68	579.46	576.71	142.50
7	Jan 29	580.29	579.58	579.45	579.16	576.43	126.00
8	Jan 30	580.72	580.29	580.14	579.82	576.60	135.40
9	Feb 2	580.44	579.92	579.71	--------	--------	134.40
10	Feb 3	580.50	580.06	579.89	579.57	576.36	140.00
11	Feb 4	580.43	579.92	579.65	579.39	576.31	141.90
12	Feb 5	580.48	579.89	579.63	579.31	576.50	146.00
13	Feb 7	580.37	579.81	579.84	579.24	576.33	149.40
14	Feb 12	580.51	579.97	579.72	--------	--------	147.40
15	Feb 13	580.09	579.22	579.92	578.65	575.96	128.40
16	Feb 19	580.28	580.29	580.22	580.10	575.67	82.30
17	Feb 20	580.14	580.05	579.90	579.70	575.49	87.90
18	Feb 23	580.27	579.86	579.56	579.15	575.54	149.10
19	Feb 24	580.22	579.75	579.37	578.87	575.83	174.00
20	Feb 25	580.53	580.17	579.65	--------	575.67	191.10
21	Feb 26	580.50	580.21	579.77	--------	575.63	199.90
22	Feb 27	580.40	579.83	579.44	--------	575.51	184.30
23	Feb 28	580.42	580.05	579.65	--------	575.67	194.70
24	Mar 1	580.97	580.97	580.19	579.71	576.67	222.40

TABLE 4.45
(Continued)

Summary of Discharge Measurements
St. Clair River
Blue Water Section
1954

Meas.	Date	Water Levels (Feet,1935 Datum) Harbor Beach	Fort Gratiot	Blue Water Section	Dry Dock	Roberts Landing	Discharge (TCFS)
25	Mar 2	581.03	580.31	579.81	--------	576.65	192.70
26	Mar 8	580.65	580.23	579.78	579.23	576.79	192.80
27	Mar 9	580.64	580.03	579.60	579.03	576.52	186.70
28	Mar 10	580.64	580.18	579.69	579.10	576.49	201.80
29	Mar 11	580.64	580.27	579.71	579.16	576.53	201.20
30	Mar 12	580.63	580.28	579.80	579.14	576.55	201.50
31	Mar 13	580.34	579.25	578.71	578.23	576.56	159.00
32	Mar 15	580.81	579.93	579.47	578.69	576.59	186.20

TABLE 4.46

Summary of Discharge Measurements
St. Clair River
Bay Point Section
Summer 1959

Meas. No.	Date	Water Levels (Feet,1935 Datum) Harbor Beach	Fort Gratiot	Dunn Paper	M.B.R.	Dry Dock	Grosse Pointe Yacht Club	Discharge (TCFS)
1	Jul 28	578.84	578.53	578.35	577.93	577.67	574.69	173.6
2	Jul 29	578.84	578.47	578.29	577.89	577.66	574.61	173.6
3	Jul 29	578.79	578.40	578.24	577.81	577.57	574.72	176.4
4	Jul 30	578.81	578.49	578.28	577.90	577.63	574.70	184.0
5	Jul 30	578.90	578.69	578.40	578.01	577.73	574.71	181.6
6	Jul 31	579.00	578.77	578.53	578.12	577.83	574.70	180.0
7	Jul 31	578.97	578.66	578.45	578.04	577.76	574.68	177.0
8	Aug 1	579.08	579.01	578.72	578.38	578.03	574.71	183.0
9	Aug 3	578.73	578.46	578.23	577.92	577.60	574.66	170.5
10	Aug 3	578.76	578.48	578.25	577.93	577.59	574.66	162.3
11	Aug 4	578.79	578.50	578.31	577.93	577.63	574.66	170.1
12	Aug 4	578.85	578.58	578.40	577.98	577.68	574.67	170.6
13	Aug 5	578.82	578.53	578.34	577.96	577.66	574.62	169.5
14	Aug 5	578.88	578.63	578.42	578.01	577.69	574.64	176.9
15	Aug 5	578.89	578.63	578.43	578.03	577.82	574.66	171.1
16	Aug 6	578.79	578.57	578.38	577.98	577.65	574.62	179.6
17	Aug 6	578.83	578.60	578.42	578.01	577.68	574.62	172.5
18	Aug 7	578.62	578.34	578.16	577.77	577.34	574.68	169.4
19	Aug 7	578.67	578.48	578.31	577.90	577.59	574.68	170.0
20	Aug 8	578.88	578.68	578.47	578.07	577.73	574.63	181.9
21	Aug 8	578.91	578.85	578.64	578.12	577.88	574.63	191.3
22	Aug 10	578.93	578.67	578.47	578.07	577.73	574.61	176.7
23	Aug 10	578.93	578.63	578.46	578.03	577.73	574.60	172.6
24	Aug 11	578.91	578.58	578.41	577.98	577.68	574.61	171.5
25	Aug 11	578.90	578.63	578.45	578.03	577.71	574.62	180.5
26	Aug 11	578.87	578.59	578.41	578.00	577.69	574.61	171.5

TABLE 4.47

Summary of Discharge Measurements
St. Clair River
Bay Point Section
Fall 1959

Meas. No.	Date	Water Levels (Feet,1935 Datum) Harbor Beach	Fort Gratiot	Dunn Paper	M.B.R.	Grosse Pointe Yacht Club	Discharge (TCFS)
1	Oct 29	578.80	578.83	578.15	577.65	574.37	179.97
2	Oct 29	578.78	578.51	578.27	577.76	574.35	170.64
3	Oct 30	578.70	578.41	578.17	577.66	574.31	176.18
4	Oct 30	578.66	578.41	578.15	577.70	574.31	175.54
5	Oct 30	578.66	578.34	578.15	577.65	574.33	171.91
6	Oct 31	578.83	578.58	578.36	577.87	574.33	183.99
7	Oct 31	578.83	578.54	578.36	577.81	574.32	180.20
8	Oct 31	578.84	578.47	578.30	577.78	574.33	179.92
9	Nov 2	579.24	579.12	578.95	578.53	574.07	203.06
10	Nov 2	579.23	578.94	578.72	578.33	574.06	202.09
11	Nov 3	578.44	577.66	577.57	577.24	574.17	138.54
12	Nov 4	578.84	578.44	578.21	577.81	574.32	188.69
13	Nov 4	578.98	578.49	578.30	577.89	574.32	182.43
14	Nov 4	579.04	578.42	578.25	577.82	574.33	164.50
15	Nov 5	578.65	578.24	578.04	577.66	574.26	165.92
16	Nov 5	578.69	578.18	577.98	577.61	574.27	168.80
17	Nov 5	578.72	578.25	578.06	577.70	574.27	175.40
18	Nov 6	578.62	578.24	578.02	577.68	573.88	168.52
19	Nov 6	578.80	578.44	578.25	577.88	573.96	174.31
20	Nov 6	578.94	578.65	578.43	578.04	573.99	185.30

TABLE 4.47
(Continued)

Summary of Discharge Measurements
St. Clair River
Bay Point Section
Fall 1959

Meas. No.	Date	Water Levels (Feet,1935 Datum) Harbor Beach	Fort Gratiot	Dunn Paper	M.B.R.	Grosse Pointe Yacht Club	Discharge (TCFS)
21	Nov 7	579.01	578.57	578.31	577.94	574.22	190.70
22	Nov 7	579.02	578.69	578.41	578.03	574.25	191.17
23	Nov 7	578.95	578.62	578.37	578.01	574.23	182.90
24	Nov 7	578.84	578.37	578.15	577.80	574.22	174.48
25	Nov 9	578.88	578.47	578.24	577.87	574.20	180.96
26	Nov 9	578.86	578.40	578.18	577.84	574.20	175.35
27	Nov 9	578.86	578.38	578.18	577.80	574.18	169.30
28	Nov 10	578.59	578.00	577.83	577.49	574.24	162.21
29	Nov 10	578.58	578.01	577.84	577.48	574.21	151.56
30	Nov 11	578.86	578.46	578.28	577.92	574.09	177.44
31	Nov 11	578.87	578.49	578.32	577.89	574.08	175.71
32	Nov 11	578.87	587.55	578.35	577.92	574.07	185.01
33	Nov 11	578.81	578.43	578.26	577.87	574.05	175.00
34	Nov 12	579.02	578.55	578.35	577.91	574.07	189.07
35	Nov 12	579.07	578.71	578.50	578.08	574.13	189.34

TABLE 4.48

Summary of Discharge Measurements
St. Clair River
Bay Point Section
1960

Meas. No.	Date	Water Levels (Feet,1935 Datum) Harbor Beach	Fort Gratiot	Dunn Paper	Bay Point	M.B.R.	G.P.Y.C.	Discharge (TCFS) 1960	Revised 1973
1	Apr 12	579.29	578.99	578.78	578.41	578.36	575.04	181.4	177.7
2	Apr 13	579.12	578.81	578.59	578.20	578.19	575.15	177.7	173.9
3	Apr 14	579.01	578.67	578.49	578.12	578.12	575.04	174.1	170.2
4	Apr 14	579.07	578.68	578.47	578.15	578.13	575.01	172.1	168.4
5	Apr 14	579.10	578.73	578.55	578.20	578.16	575.03	172.6	169.2
6	Apr 19	579.37	579.13	578.90	578.54	578.50	575.26	186.0	182.1
7	Apr 19	579.34	578.07	578.85	578.50	578.45	575.26	177.9	174.5
8	Apr 19	579.29	578.04	578.81	578.46	578.43	575.32	178.8	175.1
9	Apr 19	579.24	578.01	578.79	578.44	578.41	575.30	172.7	169.0
10	Apr 20	579.12	578.83	578.62	578.27	578.25	575.28	173.3	169.5
11	Apr 20	579.14	578.82	578.63	578.29	578.24	575.30	172.7	169.0
12	Apr 20	579.19	578.94	578.70	578.38	578.33	575.30	173.3	171.3
13	Apr 21	579.08	578.79	578.60	578.31	578.25	575.22	167.9	164.4
14	Apr 21	579.12	578.74	578.57	578.26	578.19	575.24	171.6	167.9
15	Apr 21	579.16	578.85	578.65	578.35	578.29	575.22	176.7	173.1
16	Apr 22	579.30	578.90	578.67	578.36	578.30	575.24	178.5	174.8
17	Apr 22	579.36	578.98	578.73	578.48	578.38	575.22	177.0	173.2
18	Apr 22	579.34	579.02	578.82	578.45	578.44	575.22	175.5	171.9
19	Apr 23	579.33	579.03	578.83	578.38	578.42	575.20	173.0	169.6
20	Apr 23	579.31	578.89	578.74	578.43	578.35	575.21	184.3	180.4
21	Apr 27	579.49	579.26	579.07	578.67	578.65	575.32	186.8	182.6
22	Apr 27	579.54	579.32	579.11	578.73	578.69	575.31	189.4	185.3
23	Apr 27	579.55	579.42	579.20	578.81	578.77	575.20	192.4	188.5
24	Apr 28	579.53	579.25	579.05	578.69	578.62	575.34	190.8	186.7
25	Apr 28	579.52	579.28	579.09	578.71	578.67	575.33	184.9	181.1
26	Apr 28	579.44	579.17	578.99	578.60	578.58	575.34	187.6	183.6

TABLE 4.49

Summary of Discharge Measurements
St. Clair River
Bay Point Section
Spring 1962

Meas. No.	Date	Water Levels (Feet,IGLD 1955) Fort Gratiot	Dunn Paper	Bay Point	M.B.R.	Algonac	Discharge (TCFS) 1963 Revised	1973
1	May 7	577.64	577.43	577.05	576.97	573.69	192.0	188.7
2	May 8	--------	--------	576.96	--------	--------	195.2	191.5
3	May 8	577.49	577.32	576.90	576.80	573.65	185.7	182.0
4	May 8	--------	--------	576.95	--------	--------	194.2	190.8
5	May 9	577.60	577.39	576.96	576.92	573.66	191.7	188.7
6	May 9	577.61	577.40	577.00	576.95	573.70	188.4	185.2
7	May 9	577.69	577.47	577.07	577.01	573.70	195.7	191.9
8	May 11	--------	--------	576.97	--------	--------	196.1	192.3
9	May 11	577.55	577.39	576.92	576.87	573.68	193.2	189.6
10	May 11	577.72	577.54	577.14	577.07	573.73	194.1	190.3
11	May 12	577.52	577.39	576.96	576.88	573.67	183.8	180.7
12	May 12	577.58	577.42	576.98	576.96	573.68	190.8	187.2
13	May 12	577.48	577.33	576.92	576.88	573.68	190.0	186.6
14	May 14	577.41	577.27	576.89	576.80	573.73	181.7	178.7
15	May 14	--------	--------	576.96	--------	--------	188.6	185.5
16	May 15	577.56	577.42	577.00	576.90	573.67	192.2	189.2
17	May 15	577.54	577.40	577.02	576.94	573.70	186.8	183.6
18	May 15	577.39	577.26	576.85	576.75	573.64	184.4	181.3
19	May 16	577.57	577.38	576.98	576.92	573.68	190.9	187.8
20	May 16	577.58	577.38	576.96	576.91	573.66	192.9	189.5

TABLE 4.49
(Continued)

Summary of Discharge Measurements
St. Clair River
Bay Point Section
Spring 1962

Meas. No.	Date	Water Levels (Feet,IGLD 1955) Fort Gratiot	Dunn Paper	Bay Point	M.B.R.	Algonac	Discharge (TCFS) 1963 Revised	1973
21	May 16	577.57	577.41	577.00	576.94	573.67	192.5	189.1
22	May 17	577.53	577.37	576.99	576.91	573.70	184.3	181.3
23	May 18	577.57	577.40	577.00	576.94	573.70	189.8	186.5
24	May 18	577.58	577.42	577.01	576.94	573.68	193.2	190.1
25	May 18	577.60	577.44	577.06	576.97	573.69	191.5	188.2
26	May 22	577.67	577.49	577.13	577.03	573.73	196.0	192.3
27	May 22	577.48	577.28	576.96	576.92	573.72	180.8	177.9

TABLE 4.50

Summary of Discharge Measurements
St. Clair River
Bay Point Section
Summer 1962

Meas. No.	Date	Water Levels (Feet,IGLD 1955) Fort Gratiot	Dunn Paper	Bay Point	M.B.R.	Discharge (TCFS) 1962	Revised 1973
1	Aug 29	577.45	577.26	576.92	576.82	183.1	179.7
2	Aug 29	577.43	577.26	576.90	576.81	182.7	179.4
3	Aug 29	577.44	577.27	576.92	576.82	187.8	184.5
4	Aug 30	--------	--------	576.94	--------	196.9	193.3
5	Aug 30	577.38	577.21	576.85	576.80	181.1	177.8
6	Aug 30	577.31	577.14	576.81	576.72	179.4	176.0
7	Aug 31	577.33	577.15	576.83	576.70	187.3	183.8
8	Aug 31	577.32	577.14	576.83	576.71	178.6	175.4
9	Sep 4	577.30	577.13	576.82	576.72	178.8	175.7
10	Sep 4	577.20	577.06	576.73	576.67	181.1	177.5
11	Sep 4	--------	--------	576.74	--------	192.6	189.0
12	Sep 5	--------	--------	577.35	--------	208.4	204.7
13	Sep 6	577.44	577.25	576.92	576.87	184.4	181.2
14	Sep 6	577.39	577.20	576.86	576.80	180.8	177.4
15	Sep 6	577.40	577.20	576.85	576.77	190.5	187.2
16	Sep 6	577.44	577.25	576.91	576.83	186.5	183.1
17	Sep 7	577.45	577.28	576.91	576.84	192.7	189.1
18	Sep 7	577.43	577.24	576.90	576.82	186.6	183.1
19	Sep 7	577.43	577.22	576.87	576.80	190.4	186.7
20	Sep 7	577.41	577.19	576.87	576.80	187.5	184.3
21	Sep 8	577.30	577.09	576.77	576.67	181.7	178.5
22	Sep 8	577.36	577.14	576.80	576.71	185.0	181.9
23	Sep 8	577.32	577.13	576.77	576.72	187.8	184.3
24	Sep 8	577.33	577.11	576.77	576.68	183.7	180.4

TABLE 4.50
(Continued)

Summary of Discharge Measurements
St. Clair River
Bay Point Section
Summer 1962

Meas. No.	Date	Water Levels (Feet,IGLD 1955) Fort Gratiot	Dunn Paper	Bay Point	M.B.R.	Discharge (TCFS) 1962	Revised 1973
25	Sep 11	577.74	577.50	577.13	577.07	186.5	183.3
26	Sep 11	577.69	577.44	577.04	577.00	193.6	189.9
27	Sep 11	577.73	577.48	577.10	577.02	201.1	197.4
28	Sep 12	577.31	577.10	576.74	576.66	182.1	178.6
29	Sep 12	577.43	577.21	576.87	576.78	190.0	186.4
30	Sep 12	577.36	577.15	576.80	576.75	181.3	178.0
31	Sep 12	577.22	577.02	576.68	576.63	177.5	173.9
32	Sep 13	577.30	577.10	576.73	576.66	181.8	178.3
33	Sep 13	577.24	577.03	576.68	576.60	182.2	178.8
34	Sep 13	577.22	577.01	576.67	576.61	175.8	172.7
35	Sep 14	577.61	577.37	576.98	576.92	195.8	192.0
36	Sep 14	577.60	577.36	577.00	576.95	183.3	180.1
37	Sep 14	577.49	577.27	576.90	576.86	185.9	182.5
38	Sep 14	577.58	577.32	576.97	576.86	196.1	192.6
39	Sep 15	577.52	577.28	576.92	576.86	179.9	176.9
40	Sep 15	577.54	577.30	576.96	576.87	190.8	187.2
41	Sep 15	577.53	577.28	576.94	576.86	191.4	-------
42	Sep 15	577.51	577.27	576.90	576.87	184.9	-------

TABLE 4.51

Summary of Discharge Measurements
St. Clair River
Bay Point Section
1963

Meas. No.	Date	Water Levels (Feet,IGLD 1955) Bay Point	Discharge (TCFS) 1963	Discharge (TCFS) Revised 1973
1	Sep 27	575.62	165.2	161.3
2	Sep 28	575.67	168.2	165.4
3	Sep 28	575.81	176.1	172.5
4	Sep 30	576.06	182.2	177.8
5	Sep 30	576.06	182.3	177.9
6	Sep 30	576.08	181.5	177.0
7	Oct 1	575.71	167.4	163.8
8	Oct 1	575.70	160.9	157.7
9	Oct 2	575.59	156.1	153.3
10	Oct 5	575.81	173.4	173.7
11	Oct 5	575.85	167.3	164.3
12	Oct 8	575.76	177.8	174.1
13	Oct 9	575.72	172.3	168.3
14	Oct 9	575.68	169.7	166.2
15	Oct 9	575.79	180.8	177.7
16	Oct 9	575.76	171.3	166.8
17	Oct 10	575.70	175.0	171.8
18	Oct 10	575.68	174.0	170.1
19	Oct 11	575.75	179.3	176.0
20	Oct 11	575.83	179.2	175.3
21	Oct 11	575.85	178.2	175.0
22	Oct 12	575.81	177.6	173.2
23	Oct 12	575.82	176.4	172.3
24	Oct 12	575.84	182.5	179.1
25	Oct 14	575.73	175.8	172.1
26	Oct 14	575.73	176.1	172.1
27	Oct 14	575.75	182.8	179.3
28	Oct 15	575.64	168.5	165.6
29	Oct 16	575.69	172.9	169.8
30	Oct 16	575.61	171.1	167.3

TABLE 4.52

Summary of Discharge Measurements
St. Clair River
Bay Point Section
Summer 1964

Meas. No.	Date	Water Levels (Feet, IGLD 1955) Bay Point	Discharge (TCFS) 1964	Discharge (TCFS) Revised 1973
1	Aug 3	575.24	161.1	158.7
2	Aug 3	575.36	168.4	166.0
3	Aug 5	575.61	176.0	173.5
4	Aug 5	575.64	177.4	175.0
5	Aug 6	575.39	165.2	163.0
6	Aug 6	575.48	168.6	166.2
7	Aug 6	575.43	159.8	157.7
8	Aug 7	575.38	160.9	158.7
9	Aug 7	575.40	166.8	164.7
10	Aug 8	575.74	172.5	170.5
11	Aug 8	575.76	172.4	170.0
12	Aug 10	575.41	165.3	163.4
13	Aug 10	575.40	165.7	163.5
14	Aug 10	575.48	169.8	167.6
15	Aug 10	575.46	167.4	165.2
16	Aug 12	575.53	171.7	169.8
17	Aug 12	575.62	172.7	170.0
18	Aug 12	575.61	170.7	168.8
19	Aug 13	575.54	167.0	164.8
20	Aug 13	575.52	176.5	174.1
21	Aug 13	575.56	168.6	166.2
22	Aug 13	575.54	174.0	172.1
23	Aug 14	575.48	169.1	167.3
24	Aug 14	575.52	171.2	169.1
25	Aug 14	575.49	170.8	168.6
26	Aug 14	575.48	168.0	166.0
27	Aug 15	575.42	162.4	160.6
28	Aug 15	575.38	166.5	164.0
29	Aug 15	575.36	169.7	167.6
30	Aug 17	575.43	172.0	169.7
31	Aug 17	575.39	168.8	166.6
32	Aug 18	575.40	171.3	169.0
33	Aug 18	575.42	170.6	168.3

TABLE 4.52
(Continued)

Summary of Discharge Measurements
St. Clair River
Bay Point Section
Summer 1964

Meas. No.	Date	Water Levels (Feet, IGLD 1955) Bay Point	Discharge (TCFS) 1964	Discharge (TCFS) Revised 1973
34	Aug 18	575.50	170.3	168.1
35	Aug 19	575.40	169.7	167.3
36	Aug 19	575.40	163.1	161.1
37	Aug 19	575.35	169.2	167.0
38	Aug 19	575.36	171.5	169.3
39	Aug 20	575.41	167.1	165.3
40	Aug 20	575.34	173.4	171.1
41	Aug 22	575.05	159.1	156.8
42	Aug 22	575.08	155.6	153.7

TABLE 4.53

Summary of Discharge Measurements
St. Clair River
Bay Point Section
Fall 1964

Meas. No.	Date	Water Levels (Feet,IGLD 1955) Harbor Beach	Fort Gratiot	Dunn Paper	Bay Point	M.B.R.	G.P.Y.C.	Discharge(TCFS) 1964	Revised 1973
1	Nov 2	575.40	575.20	575.01	574.77	574.64	571.23	156.4	154.1
2	Nov 4	575.48	575.25	575.12	574.80	574.71	571.19	159.1	156.6
3	Nov 4	575.48	575.26	575.12	574.77	574.69	571.18	161.2	158.4
4	Nov 5	575.87	575.82	575.59	575.24	575.18	571.09	177.9	174.8
5	Nov 6	575.58	575.38	575.23	574.95	574.84	571.18	162.8	160.2
6	Nov 6	575.51	575.23	575.08	574.77	574.70	571.21	160.5	155.2
7	Nov 7	575.62	575.46	575.32	574.98	574.93	571.21	164.9	162.2
8	Nov 7	575.61	575.43	575.28	574.95	574.91	571.21	168.6	165.6
9	Nov 7	575.63	575.47	575.31	574.97	574.89	571.21	164.3	161.7
10	Nov 9	575.65	575.46	575.28	574.97	574.87	571.18	166.8	164.0
11	Nov 9	575.65	575.41	575.26	574.92	574.85	571.19	159.6	157.2
12	Nov 10	575.62	575.47	575.33	574.98	574.89	571.11	168.1	165.4
13	Nov 10	575.63	575.52	575.35	575.04	574.93	571.16	166.6	163.9
14	Nov 11	575.32	574.99	574.84	574.54	574.44	571.09	146.6	144.2
15	Nov 11	575.38	575.16	575.06	574.78	574.64	571.13	154.4	151.9
16	Nov 14	575.66	575.37	575.21	574.88	574.78	571.18	164.6	161.8
17	Nov 14	575.75	575.51	575.32	574.99	574.86	571.16	174.7	171.9
18	Nov 14	575.72	575.57	575.39	575.06	575.01	571.15	170.9	167.9
19	Nov 14	575.61	575.28	575.15	574.85	574.76	571.16	156.1	153.4
20	Nov 17	575.68	575.38	575.16	574.89	574.76	571.04	166.3	163.6
21	Nov 17	575.68	575.45	575.23	574.94	574.86	570.98	164.2	161.7
22	Nov 17	575.62	575.22	575.06	574.76	574.69	570.88	151.1	148.7
23	Nov 18	576.04	575.90	575.68	575.38	575.23	571.14	177.0	174.2
24	Nov 18	575.95	575.75	575.52	575.19	575.09	571.16	175.4	172.7
25	Nov 18	575.92	575.73	575.51	575.20	575.07	571.17	169.0	166.3
26	Nov 20	575.70	575.44	575.24	574.95	574.84	570.99	163.5	160.9
27	Nov 20	575.78	575.52	575.32	575.01	574.89	571.06	164.4	161.6

TABLE 4.54

Summary of Discharge Measurements
St. Clair River
Bay Point Section
1966

Meas. No.	Date	Water Levels (Feet,IGLD 1955) Harbor Beach	Fort Gratiot	Dunn Paper	M.B.R.	G.P.Y.C.	Discharge (TCFS) 1966	Revised1973
1	Oct 21	576.89	576.50	576.30	575.91	572.24	172.6	173.5
2	Oct 21	576.90	576.48	576.25	575.91	572.24	168.3	168.6
3	Oct 24	577.00	576.69	576.47	575.03	572.24	182.2	184.2
4	Oct 24	577.03	576.84	576.60	576.16	572.25	185.2	186.8
5	Oct 25	576.93	576.81	576.55	576.12	572.27	179.1	179.5
6	Oct 25	576.90	576.72	576.47	576.06	572.28	181.1	182.1
7	Oct 26	576.85	576.68	576.38	576.04	572.28	184.9	184.3
8	Oct 26	576.88	576.90	576.47	576.06	572.28	186.9	186.2
9	Oct 26	576.85	576.68	576.40	576.03	572.27	186.9	184.8
10	Oct 27	576.80	576.53	576.27	575.89	572.20	174.5	175.1
11	Oct 27	576.79	576.55	576.28	575.92	572.21	171.7	172.6
12	Oct 27	576.78	576.46	576.21	575.85	572.22	171.6	172.1
13	Oct 28	576.85	576.52	576.37	575.97	572.16	177.0	178.4
14	Oct 28	576.85	576.56	576.37	575.97	572.18	178.6	179.7
15	Oct 31	576.76	576.39	576.18	575.77	572.09	161.3	161.9
16	Oct 31	576.83	576.51	576.30	575.90	572.12	168.9	169.4
17	Oct 31	576.86	576.69	--------	576.05	572.16	180.6	180.6
18	Nov 1	576.86	576.68	--------	576.05	572.16	182.2	181.9
19	Nov 4	576.78	576.41	576.21	575.82	571.98	173.4	172.3
20	Nov 8	576.71	576.52	576.28	575.88	572.16	170.7	169.5

TABLE 4.54
(Continued)

Summary of Discharge Measurements
St. Clair River
Bay Point Section
1966

Meas. No.	Date	Water Levels (Feet,IGLD 1955) Harbor Beach	Fort Gratiot	Dunn Paper	M.B.R.	G.P.Y.C.	Discharge(TCFS) 1966	Revised 1973
21	Nov 10	576.78	576.75	576.53	576.11	572.28	190.4	191.9
22	Nov 14	576.96	576.80	576.58	576.14	572.31	179.6	180.2
23	Nov 14	577.00	577.02	576.78	576.30	572.33	192.6	193.2
24	Nov 14	577.04	577.07	576.83	576.36	572.34	198.3	199.0
25	Nov 14	577.05	576.96	576.71	576.27	572.34	195.4	197.0
26	Nov 15	576.83	576.60	576.34	575.94	572.42	175.5	175.5
27	Nov 15	576.81	576.57	576.35	575.94	572.41	182.0	182.8
28	Nov 15	576.77	576.54	576.27	575.86	572.42	175.7	175.7
29	Nov 15	576.73	576.42	576.20	575.79	572.42	173.3	173.2

TABLE 4.55

Summary of Discharge Measurements
St. Clair River
Bay Point Section
1968

Meas. No.	Date	Water Levels (Feet,IGLD 1955) Harbor Beach	Fort Gratiot	Dunn Paper	BayDischarge Point	M.B.R.	G.P.Y.C.	(TCFS)
1	Jun 19	578.23	578.02	577.79	577.30	577.34	573.97	184.6
2	Jun 20	578.33	578.18	577.90	577.37	577.47	573.97	190.3
3	Jun 21	578.12	577.84	577.62	577.09	577.19	573.94	174.1
4	Jun 22	578.16	577.94	577.70	577.21	577.26	573.92	185.9
5	Jun 22	578.27	578.13	577.87	577.30	577.42	573.94	191.0
6	Jun 24	578.19	578.04	577.81	577.27	577.36	573.93	187.4
7	Jun 24	578.27	578.09	577.83	577.33	577.38	573.96	196.3
8	Jun 26	578.32	578.20	577.99	577.52	577.58	574.45	182.8
9	Jun 26	578.29	578.18	577.93	577.51	577.56	574.56	176.2
10	Jun 27	578.18	577.92	577.74	577.35	577.40	574.50	156.8
11	Jun 28	578.34	578.16	577.97	577.49	577.57	574.50	173.9
12	Jun 29	578.33	578.06	577.88	577.43	577.45	574.51	173.8
13	Jun 29	578.31	578.08	577.89	577.46	577.49	574.46	171.1
14	Jul 1	578.41	578.25	578.06	577.51	577.62	574.36	184.4
15	Jul 1	578.46	578.16	578.01	577.51	577.55	574.39	185.0
16	Jul 2	578.63	578.38	578.18	577.66	577.74	574.28	191.5
17	Jul 2	578.63	578.40	578.18	577.70	577.73	574.29	191.0
18	Jul 3	578.54	578.38	578.10	577.64	577.68	574.31	192.9
19	Jul 3	578.58	578.32	578.09	577.63	577.66	574.31	193.5
20	Jul 4	578.45	578.21	578.00	577.52	577.56	574.25	186.6

TABLE 4.55
(Continued)

Summary of Discharge Measurements
St. Clair River
Bay Point Section
1968

Meas. No.	Date	Water Levels (Feet,IGLD 1955) Harbor Beach	Fort Gratiot	Dunn Paper	Bay Point	M.B.R.	G.P.Y.C.	Discharge (TCFS)
21	Jul 5	578.48	578.27	578.05	577.54	577.59	574.23	188.5
22	Jul 5	578.51	578.32	578.11	577.61	577.65	574.24	187.1
23	Jul 6	578.49	578.25	578.04	577.60	577.59	574.25	185.9
24	Jul 6	578.50	578.25	578.05	577.54	577.57	574.25	185.5
25	Jul 8	578.40	578.10	577.91	577.45	577.47	574.20	178.1
26	Jul 8	578.46	578.17	577.97	577.49	577.51	574.20	186.9
27	Jul 9	578.53	578.26	578.06	577.60	577.60	574.14	189.7
28	Jul 9	578.57	578.33	578.12	577.70	577.69	574.13	178.9
29	Jul 10	578.62	578.41	578.19	577.67	577.75	574.27	197.3
30	Jul 10	578.59	578.53	578.29	577.74	577.84	574.29	197.4

TABLE 4.56

Summary of Discharge Measurements
St. Clair River
North Channel Section
1963

Meas. No.	Date	Time (EST)	Water Levels (Feet,IGLD 1955) Harbor Beach	Fort Gratiot	Dunn Paper	M.B.R.	Dry Dock	Marysville	St. Clair	Algonac	G.P.Y.C.	Discharge (TCFS)
1	Jul 8	1025-1254	576.88	576.80	576.39	576.18	575.80	-------	574.54	573.10	572.57	57.1
2	Jul 8	1411-1620	576.81	576.65	576.28	576.06	575.71	575.27	574.47	573.07	572.60	56.1
3	Jul 9	0907-1145	576.82	576.77	576.39	576.14	575.76	-------	574.52	573.07	572.51	55.9
4	Jul 10	0928-1204	576.91	576.77	576.42	576.15	575.76	-------	574.52	573.11	572.49	54.6
5	Jul 10	1258-1443	576.89	576.74	576.39	576.13	575.76	575.36	574.54	573.14	572.49	55.1
6	Jul 11	0842-1107	576.78	576.59	576.26	575.98	575.62	-------	574.44	573.10	572.48	53.2
7	Jul 11	1145-1356	576.81	576.66	576.32	576.06	575.68	-------	574.47	573.12	572.49	52.6
8	Jul 12	0902-1124	576.72	576.57	576.24	575.98	575.61	575.22	574.43	573.10	572.48	52.0
9	Jul 12	1223-1426	576.74	576.55	576.20	575.95	575.59	575.20	574.40	573.06	572.49	52.2
10	Jul 16	1037-1217	576.87	-------	576.36	576.07	575.71	575.32	574.51	573.11	572.52	52.6
11	Jul 16	1338-1534	576.82	576.65	576.34	576.07	575.72	575.32	574.54	573.15	572.53	53.4
12	Jul 17	1108-1255	576.73	576.50	576.14	575.94	575.63	575.25	574.49	573.12	572.51	52.1
13	Jul 17	1343-1524	576.73	576.56	576.18	575.94	575.57	575.19	574.41	573.10	572.49	50.5

TABLE 4.57

Summary of Discharge Measurements
St. Clair River
Middle Channel Section
1963

Meas. No.	Date	Time (EST)	Water Levels (Feet,IGLD 1955) Harbor Beach	Fort Gratiot	Dunn Paper	M.B.R.	Dry Dock	Marysville	St. Clair	Algonac	G.P.Y.C.	Discharge (TCFS)
1	Jul 24	1221-1326	576.96	576.86	576.51	576.22	575.83	575.44	574.56	573.17	572.54	32.6
2	Jul 24	1509-1617	576.90	576.75	576.40	576.17	575.80	575.41	574.64	573.19	572.54	34.3
3	Jul 25	0832-0934	576.88	576.72	576.38	576.13	575.77	575.38	574.55	573.18	572.54	32.6
4	Jul 25	0936-1040	576.88	576.69	576.38	576.12	575.76	575.37	574.57	573.18	572.55	33.3
5	Jul 25	1043-1137	576.88	576.68	576.36	576.12	575.76	575.36	574.57	573.17	572.55	32.9
6	Jul 25	1143-1241	576.88	576.69	576.37	576.12	575.75	575.36	574.58	573.16	572.56	32.8
7	Jul 25	1303-1416	576.90	576.72	576.39	576.14	575.76	575.37	574.55	573.16	572.57	32.9
8	Jul 25	1423-1517	576.92	576.78	576.44	576.20	575.82	575.41	574.55	573.17	572.56	32.3
9	Jul 26	0900-0953	576.81	576.58	576.28	576.05	575.68	575.30	574.53	573.18	572.55	32.4
10	Jul 26	0955-1107	576.82	576.60	576.28	576.06	575.67	575.29	574.52	573.16	572.56	32.7
11	Jul 26	1110-1151	576.84	576.64	576.32	576.08	575.69	575.31	574.50	573.17	572.57	33.4
12	Jul 26	1153-1239	576.86	576.67	576.36	576.11	575.71	575.34	574.51	573.17	572.55	32.8
13	Jul 26	1243-1321	576.84	576.70	576.40	576.13	575.75	575.38	574.55	573.16	572.55	32.9
14	Jul 26	1325-1401	576.86	576.68	576.40	576.14	575.78	575.38	574.56	573.16	572.56	32.7
15	Jul 26	1405-1501	576.88	576.63	576.32	576.08	575.74	575.33	574.56	573.17	572.57	32.6
16	Jul 26	1506-1547	576.88	576.68	576.33	576.10	575.70	575.31	574.55	573.16	572.56	33.4
17	Jul 27	1128-1310	576.88	576.62	576.30	576.08	575.73	575.33	574.53	573.16	572.50	32.4
18	Jul 27	1315-1418	576.90	576.67	576.33	576.11	575.75	575.35	574.53	573.19	572.46	32.4
19	Jul 29	0921-0959	577.03	576.82	576.49	576.24	575.85	575.46		573.22	572.50	33.4
20	Jul 29	1002-1036	577.04	576.84	576.49	576.24	575.86	575.48		573.11	572.50	34.0
21	Jul 29	1040-1115	577.03	576.85	576.51	576.24	575.86	575.45		573.21	572.51	33.7
22	Jul 29	1118-1158	577.02	576.87	576.54	576.27	575.86	575.47		573.20	572.53	34.9
23	Jul 29	1205-1244	577.03	576.91	576.57	576.33	575.91	575.51		573.21	572.52	33.0
24	Jul 29	1248-1335	577.05	576.94	576.59	576.33	575.94	575.53		573.24	572.49	33.3

TABLE 4.57
(Continued)

Summary of Discharge Measurements
St. Clair River
Middle Channel Section
1963

Meas. No.	Date	Time (EST)	Water Levels (Feet,IGLD 1955) Harbor Beach	Fort Gratiot	Dunn Paper	M.B.R.	Dry Dock	Marysville	St. Clair	Algonac	G.P.Y.C.	Discharge (TCFS)
25	Jul 29	1351-1427	577.04	577.00	576.66	576.38	575.96	575.58		573.25	572.46	34.0
26	Jul 29	1431-1517	577.04	576.93	576.59	576.34	575.96	575.56		573.23	572.45	33.8
27	Jul 30	0826-0911	577.06	576.84	576.52	576.31	575.92	575.51		573.20	572.56	33.2
28	Jul 30	0914-0953	577.05	576.81	576.47	576.26	575.88	575.47		573.20	572.56	34.0
29	Jul 30	0958-1030	577.03	576.80	576.44	576.23	575.84	575.43		573.20	572.55	33.9
30	Jul 30	1035-1121	577.01	576.80	576.43	576.22	575.84	575.43		573.20	572.54	33.6
31	Jul 30	1125-1207	577.02	576.77	576.42	576.19	575.84	575.43		573.20	572.56	32.5
32	Jul 30	1213-1322	577.00	576.76	576.42	576.19	575.81	575.41		573.20	572.56	33.3
33	Jul 30	1326-1404	576.98	576.77	576.44	576.19	575.81	575.41		573.21	572.56	33.0
34	Jul 30	1407-1447	576.98	576.77	576.39	576.17	575.83	575.43		573.22	572.57	33.3
35	Jul 30	1451-1531	576.97	576.70	576.36	576.13	575.78	575.38		573.21	572.56	32.8

TABLE 4.58

Summary of Discharge Measurements
St. Clair River
Chenal Ecarté Section
1963

Meas. No.	Date	Time (EST)	Water Levels (Feet,IGLD 1955) Harbor Beach	Fort Gratiot	Dunn Paper	M.B.R.	Dry Dock	Marysville	St. Clair	Algonac	G.P.Y.C.	Discharge (TCFS)
1	Aug 16	1222-1330	576.75	576.48	576.14	575.91	575.61	575.18	574.39	573.10	572.43	7.1
2	Aug 16	1333-1406	576.72	576.52	576.17	575.94	575.62	575.20	574.40	573.10	572.42	7.1
3	Aug 16	1410-1441	576.74	576.49	576.20	575.94	575.64	575.22	574.42	573.10	572.43	7.0
4	Aug 16	1444-1514	576.74	576.38	576.16	575.88	575.62	575.18	574.42	573.10	572.43	7.0
5	Aug 16	1515-1544	576.72	576.35	576.09	575.84	575.57	575.11	574.39	573.12	572.44	6.5
6	Aug 19	0845-0934	576.82	576.60	576.21	576.00	575.67	575.27	574.48	573.11	572.41	7.4
7	Aug 19	0937-1002	576.83	576.60	576.25	576.00	575.66	575.26	574.47	573.12	572.40	7.6
8	Aug 19	1006-1035	576.84	576.64	576.27	576.02	575.68	575.28	574.47	573.11	572.38	7.3
9	Aug 19	1039-1109	576.83	576.64	576.26	576.04	575.69	575.28	574.49	573.12	572.37	7.5
10	Aug 19	1113-1141	576.80	576.63	576.28	576.04	575.70	575.28	574.50	573.13	572.36	7.5
11	Aug 19	1146-1212	576.81	576.66	576.31	576.05	575.71	575.31	574.50	573.13	572.36	7.6
12	Aug 19	1217-1244	576.84	576.66	576.30	576.06	575.73	575.33	574.53	573.13	572.37	7.4
13	Aug 19	1246-1311	576.82	576.60	576.28	576.06	575.72	575.32	574.52	573.12	572.39	7.3
14	Aug 19	1313-1341	576.80	576.57	576.24	576.02	575.69	575.29	574.50	573.12	572.40	7.4
15	Aug 19	1343-1408	576.82	576.57	576.24	575.99	575.66	575.26	574.47	573.10	572.41	7.1
16	Aug 19	1410-1436	576.82	576.61	576.27	576.00	575.68	575.27	574.46	573.08	572.42	7.2
17	Aug 19	1440-1505	576.80	576.60	576.26	576.02	575.70	575.28	574.47	573.10	572.41	7.2
18	Aug 20	0929-1005	576.85	576.56	576.21	575.97	575.64	575.24	574.45	573.10	572.43	7.3
19	Aug 20	1010-1037	576.86	576.61	576.26	576.00	575.65	575.26	574.45	573.09	572.43	7.4
20	Aug 20	1040-1118	576.90	576.67	576.32	576.05	575.69	575.30	574.48	573.09	572.43	7.5
21	Aug 20	1122-1149	576.91	576.70	576.33	576.08	575.74	575.33	574.52	573.10	572.42	7.4
22	Aug 20	1152-1225	576.90	576.72	576.35	576.09	575.75	575.34	574.53	573.13	572.42	7.5
23	Aug 20	1229-1256	576.90	576.79	576.40	576.13	575.76	575.36	574.53	573.14	572.43	7.5
24	Aug 20	1300-1327	576.91	576.81	576.42	575.16	575.80	575.40	574.57	573.14	572.44	7.6
25	Aug 20	1331-1359	576.89	576.71	576.33	576.13	575.82	575.39	574.60	573.15	572.46	7.8
26	Aug 20	1404-1440	576.90	576.64	576.30	576.07	575.75	575.34	574.54	573.15	572.46	7.8
27	Aug 20	1445-1512	576.88	576.66	576.30	576.06	575.72	575.31	574.51	573.13	572.46	7.4
28	Aug 20	1515-1540	576.85	576.68	576.32	576.08	575.73	575.32	574.50	573.12	572.46	7.6

TABLE 4.59

Summary of Discharge Measurements
St. Clair River
South Channel Section
1963

Meas. No.	Date	Time (EST)	Water Levels (Feet,IGLD 1955) Harbor Beach	Fort Gratiot	Dunn Paper	M.B.R.	Dry Dock	Marysville	St. Clair	Algonac	G.P.Y.C.	Discharge (TCFS)
1	Aug 5	0910-1209	577.02	576.81	576.37	576.20	575.83	575.39	574.58	573.15	572.48	73.8
2	Aug 5	1222-1416	576.99	576.79	576.37	576.18	575.81	575.38	574.56	573.16	572.49	75.2
3	Aug 5	1418-1613	576.93	576.78	576.35	576.17	575.81	575.38	574.57	573.17	572.51	74.7
4	Aug 6	0823-1036	576.88	576.66	576.29	576.09	575.73	575.32	574.53	573.17	572.41	72.3
5	Aug 7	0822-1006	577.03	576.73	576.42	576.15	575.78	575.36	574.54	573.17	572.43	74.4
6	Aug 7	1012-1145	577.05	576.79	576.47	576.19	575.84	575.41	574.60	573.17	572.42	76.0
7	Aug 7	1148-1344	577.02	576.84	576.49	576.23	575.86	575.44	574.61	573.16	572.45	76.2
8	Aug 7	1349-1537	577.01	576.81	576.48	576.21	575.85	575.43	574.62	573.17	572.49	75.7
9	Aug 8	0820-1022	576.98	576.73	576.39	576.13	575.75	575.34	574.53	573.12	572.47	72.5
10	Aug 8	1028-1229	577.03	576.78	576.44	576.17	575.82	575.41	574.58	573.15	572.46	75.3
11	Aug 8	1230-1359	577.01	576.82	576.49	576.21	575.83	575.42	574.59	573.16	572.48	75.4
12	Aug 8	1400-1540	576.97	576.81	576.46	576.20	575.85	575.44	574.62	573.19	572.49	76.6
13	Aug 12	0850-1041	576.87	576.65	576.31	576.05	575.70	575.29	574.49	573.12	572.50	74.1
14	Aug 12	1045-1216	576.86	576.60	576.28	576.03	575.70	575.30	574.52	573.14	572.50	73.9
15	Aug 12	1217-1402	576.81	576.59	576.27	576.03	575.69	575.28	574.50	573.12	572.50	74.6
16	Aug 12	1405-1529	576.77	576.62	576.28	576.04	575.67	575.26	574.46	573.11	572.53	75.1
17	Aug 14	0854-1041	576.95	576.80	576.43	576.19	575.85	575.39	574.53	573.14	572.44	79.5
18	Aug 14	1044-1216	577.01	576.90	576.53	576.26	575.85	575.43	574.54	573.14	572.43	77.2
19	Aug 14	1223-1357	577.06	577.01	576.64	576.36	575.93	575.52	574.60	573.16	572.43	78.7
20	Aug 14	1400-1524	577.02	576.99	576.61	576.35	575.99	575.53	574.64	573.18	572.42	80.7
21	Aug 15	0827-1006	576.98	576.70	576.36	576.10	575.74	575.33	574.50	573.13	572.41	74.3
22	Aug 15	1007-1145	575.05	576.83	576.46	576.22	575.86	575.44	574.60	573.17	572.40	74.8
23	Aug 15	1146-1317	577.04	576.85	576.52	576.25	575.90	575.47	574.63	573.19	572.39	75.9

TABLE 4.60

Summary of Discharge Measurements
St. Clair River
St. Clair Cutoff Section
1963

Meas. No.	Date	Time (EST)	Water Levels (Feet,IGLD 1955) Harbor Beach	Fort Gratiot	Dunn Paper	M.B.R.	Dry Dock	Marysville	St. Clair	Algonac	G.P.Y.C.	Discharge (TCFS)
1	Aug 27	1245-1504	576.76	576.61	576.25	576.01	575.66	575.27	574.46	573.10	572.37	33.3
2	Aug 27	1510-1656	576.78	576.65	576.28	576.06	575.73	575.33	574.51	573.11	572.37	35.3
3	Aug 29	0858-1042	576.72	576.55	576.19	575.96	575.62	575.21	574.41	573.07	572.34	35.8
4	Aug 29	1047-1156	576.75	576.58	576.21	575.98	575.64	575.22	574.41	573.07	572.33	36.0
5	Aug 30	0917-1136	576.82	576.62	576.27	576.02	575.69	575.28	574.48	573.11	572.29	35.7
6	Sep 4	0903-1042	576.85	--------	576.28	576.08	575.73	575.32	--------	--------	572.39	35.5
7	Sep 4	1045-1249	576.81	576.64	576.24	576.03	575.67	575.27	--------	573.03	572.36	37.5
8	Sep 5	0856-1039	576.72	576.55	576.17	575.92	575.59	575.19	--------	573.00	572.34	37.2
9	Sep 5	1043-1214	576.74	576.59	576.21	575.95	575.60	575.20	--------	573.00	572.35	36.9
10	Sep 6	1514-1707	576.72	576.54	576.18	575.95	575.62	575.22	--------	573.02	572.31	35.6
11	Sep 9	1241-1408	576.77	576.72	576.31	576.05	575.69	575.28	--------	573.03	572.31	35.1
12	Sep 9	1420-1537	576.79	576.71	576.31	576.06	575.71	575.31	--------	573.05	572.31	38.0
13	Sep 10	1252-1449	576.66	576.51	576.11	575.85	575.52	575.13	--------	572.97	572.29	34.0
14	Sep 10	1451-1620	576.67	576.53	576.14	575.90	575.57	575.16	--------	572.99	572.29	35.3
15	Sep 11	1300-1512	576.69	576.46	576.09	575.84	575.52	575.12	--------	572.96	572.28	33.6
16	Sep 11	1515-1614	576.68	576.44	576.07	575.83	575.51	575.10	--------	572.96	572.28	33.4
17	Sep 16	1120-1342	576.59	576.43	576.07	575.80	575.49	575.10	--------	572.91	572.22	35.0
18	Sep 16	1357-1547	576.58	576.42	576.04	575.80	575.47	575.04	--------	572.90	572.22	36.8

TABLE 4.61

Summary of Discharge Measurements
St. Clair River
Southeast Bend Section
1963

Meas. No.	Date	Time (EST)	Water Levels (Feet,IGLD 1955) Harbor Beach	Fort Gratiot	Dunn Paper	M.B.R.	Dry Dock	Marysville	St. Clair	Algonac	G.P.Y.C.	Discharge (TCFS)
1	Aug 28	1347-1520	576.75	576.48	576.13	575.91	575.60	575.20	574.40	573.08	572.37	36.6
2	Aug 29	1252-1457	576.76	576.58	576.22	575.98	575.64	575.23	574.42	573.07	572.34	36.4
3	Sep 4	1355-1514	576.70	576.54	576.16	575.96	575.62	575.21		573.01	572.37	35.7
4	Sep 4	1519-1630	576.70	576.47	576.09	575.86	575.53	575.13		573.01	572.38	34.6
5	Sep 5	1310-1431	576.79	576.71	576.31	576.06	575.70	575.28		573.02	572.35	35.7
6	Sep 5	1434-1546	576.78	576.78	576.39	576.13	575.76	575.33		573.03	572.34	36.9
7	Sep 5	1549-1654	576.78	576.74	576.36	576.12	575.76	575.34		573.04	572.34	36.0
8	Sep 6	1109-1300	576.76	576.56	576.20	575.96	575.62	575.22		573.02	572.28	36.0
9	Sep 6	1304-1419	576.76	576.60	576.23	575.99	575.64	575.23		573.02	572.29	35.6
10	Sep 9	0854-1010	576.79	576.59	576.21	575.96	575.63	575.22		573.01	572.30	36.5
11	Sep 9	1014-1135	576.77	576.68	576.29	576.01	575.66	575.26		573.00	572.30	35.0
12	Sep 10	0857-1024	576.67	576.52	576.12	575.87	575.53	575.13		572.96	572.33	34.4
13	Sep 10	1027-1155	576.65	576.50	576.10	575.87	575.54	575.14		572.97	572.30	36.7
14	Sep 11	0905-1039	576.62	576.38	576.01	575.75	575.44	575.05		572.99	572.27	35.4
15	Sep 11	1048-1202	576.67	576.39	576.02	575.78	575.48	575.08		572.97	572.27	34.9
16	Sep 18	1255-1453	576.55	576.30	575.98	575.74	575.42	575.03		572.88	572.18	35.7
17	Sep 18	1457-1628	576.55	576.25	575.94	575.69	575.38	574.98		572.87	572.18	35.5

TABLE 4.62

Summary of Discharge Measurements
St. Clair River
Bassett Channel Section
1963

Meas. No.	Date	Time (EST)	Water Levels (Feet,IGLD 1955) Harbor Beach	Fort Gratiot	Dunn Paper	M.B.R.	Dry Dock	Marysville	Algonac	G.P.Y.C.	Discharge (TCFS)
1	Sep 17	1212-1338	576.58	576.37	576.05	575.80	575.48	575.09	572.91	572.19	5.3
2	Sep 17	1348-1453	576.56	576.38	576.06	575.80	575.48	575.09	572.90	572.19	5.5
3	Sep 17	1501-1612	575.53	576.34	576.01	575.76	575.46	575.07	572.90	572.19	5.5
4	Sep 17	1615-1703	576.51	576.33	576.01	575.75	575.44	575.05	572.90	572.19	5.4
5	Sep 18	0930-1034	576.55	576.28	575.97	575.71	575.38	575.00	572.87	572.18	5.2
6	Sep 18	1038-1152	576.55	576.31	575.99	575.73	575.39	575.01	572.88	572.18	5.3
7	Sep 20	1203-1318	576.59	576.36	575.98	575.78	575.49	575.06	572.93	572.25	5.8
8	Sep 20	1322-1414	576.54	576.37	576.01	575.79	575.41	575.00	572.90	572.27	5.5
9	Sep 20	1420-1507	576.54	576.45	576.06	575.86	575.52	575.11	572.88	572.26	5.6
10	Sep 20	1510-1606	576.55	576.28	575.96	575.73	575.45	575.04	572.92	572.25	5.7
11	Sep 21	0955-1110	576.60	576.35	576.01	575.77	575.45	575.05	592.92	572.23	5.7
12	Sep 21	1118-1247	576.60	576.45	576.11	575.86	575.50	575.07	572.90	572.23	5.7

TABLE 4.63

Summary of Discharge Measurements
St. Clair River
Roberts Landing Section
1968

Meas. No.	Date	Water Levels (Feet,IGLD 1955) Harbor Beach	Fort Gratiot	Roberts Landing	Algonac	G.P.Y.C.	Discharge (TCFS)
1	Jul 17	578.46	578.24	574.94	574.76	574.20	189.3
2	Jul 17	578.42	578.19	574.93	574.75	574.20	186.2
3	Jul 18	578.33	577.98	574.95	574.76	574.16	176.3
4	Jul 19	578.71	578.56	574.95	574.74	574.16	201.0
5	Jul 20	578.57	578.31	574.92	574.72	574.17	192.4
6	Jul 22	578.53	578.28	574.93	574.72	574.10	189.0
7	Jul 22	578.69	578.43	574.95	574.72	--------	190.4
8	Jul 23	578.63	578.35	574.88	574.65	574.15	193.0
9	Jul 23	578.57	578.30	574.91	574.68	574.15	191.6
10	Jul 25	578.66	578.54	574.99	574.74	574.27	195.3
11	Jul 26	578.54	578.36	574.96	574.72	574.23	190.5
12	Jul 26	578.52	578.37	574.98	574.74	574.22	189.7
13	Jul 29	578.75	578.54	575.01	574.74	574.19	197.3
14	Jul 30	578.51	578.25	574.98	574.70	--------	184.5
15	Jul 31	578.35	577.98	574.94	574.68	--------	168.2
16	Aug 1	578.67	578.49	574.92	574.62	--------	201.3
17	Aug 2	578.57	578.29	574.89	574.54	574.14	190.2
18	Aug 2	578.57	578.33	574.92	574.54	574.14	190.7
19	Aug 3	578.57	578.31	574.92	574.51	574.13	189.0
20	Aug 6	578.54	578.32	574.88	574.65	573.99	190.7

TABLE 4.63
(Continued)

Summary of Discharge Measurements
St. Clair River
Roberts Landing Section
1968

Meas. No.	Date	Water Levels (Feet,IGLD 1955) Harbor Beach	Fort Gratiot	Roberts Landing	Algonac	G.P.Y.C.	Discharge (TCFS)
21	Aug 6	578.59	578.37	574.86	574.63	574.00	195.1
22	Aug 7	578.69	578.36	574.94	574.72	574.08	190.2
23	Aug 7	578.69	578.51	574.90	574.67	574.10	195.8
24	Aug 8	578.57	578.29	574.88	574.66	574.12	190.1
25	Aug 8	578.63	578.41	574.92	574.68	574.11	191.7
26	Aug 9	578.61	578.40	574.94	574.70	574.14	194.5
27	Aug 9	578.66	578.48	574.96	574.72	574.15	193.4
28	Aug 12	578.67	578.44	574.94	574.71	574.15	195.2
29	Aug 12	578.67	578.44	574.98	574.74	574.13	193.9
30	Aug 13	578.56	578.22	574.94	574.71	574.08	183.2
31	Aug 13	578.63	578.36	574.96	574.71	574.07	185.8
32	Aug 14	578.80	578.60	574.94	574.69	574.05	203.6
33	Aug 14	578.85	578.69	574.91	574.66	574.10	202.4
34	Aug 15	578.63	578.38	574.87	574.62	574.17	193.2
35	Aug 15	578.59	578.37	574.90	574.63	574.12	193.4
36	Aug 16	578.41	578.23	574.90	574.67	574.06	188.3
37	Aug 16	578.44	578.26	574.90	574.66	574.07	188.4

TABLE 4.64

Summary of Discharge Measurements
St. Clair River
North Channel Section
1968

Meas. No.	Date	Discharge (TCFS)
1	Jul 17	65.1
2	Jul 17	68.7
3	Jul 17	64.2
4	Jul 17	65.1
5	Jul 18	60.2
6	Jul 18	60.9
7	Jul 19	68.1
8	Jul 19	68.2
9	Jul 20	65.0
10	Jul 20	62.2
11	Jul 22	62.4
12	Jul 22	63.8
13	Jul 23	63.4
14	Jul 23	66.1
15	Jul 23	63.0

TABLE 4.65

Summary of Discharge Measurements
St. Clair River
Middle Channel Section
1968

Meas. No.	Date	Discharge (TCFS)
1	Jul 17	37.7
2	Jul 17	36.9
3	Jul 17	37.1
4	Jul 17	37.3
5	Jul 18	36.9
6	Jul 18	35.1
7	Jul 19	38.7
8	Jul 19	39.1
9	Jul 20	38.4
10	Jul 20	37.4
11	Jul 22	38.4
12	Jul 22	37.3
13	Jul 22	39.1
14	Jul 23	37.3
15	Jul 23	38.5
16	Jul 23	38.3

TABLE 4.66

Summary of Discharge Measurements
St. Clair River
Chenal Ecarté Section
1968

Meas. No.	Date	Discharge (TCFS)
1	Aug 12	9.5
2	Aug 12	9.6
3	Aug 12	9.7
4	Aug 13	8.7
5	Aug 13	8.7
6	Aug 13	9.1
7	Aug 13	9.3
8	Aug 14	9.6
9	Aug 14	9.1
10	Aug 14	8.9
11	Aug 14	10.0
12	Aug 15	9.6
13	Aug 15	9.6
14	Aug 15	9.4
15	Aug 15	9.3
16	Aug 16	8.2
17	Aug 16	8.3
18	Aug 16	8.8

TABLE 4.67

Summary of Discharge Measurements
St. Clair River
South Channel Section
1968

Meas. No.	Date	Discharge (TCFS)
1	Aug 12	79.1
2	Aug 12	79.6
3	Aug 13	77.9
4	Aug 13	78.3
5	Aug 14	86.0
6	Aug 14	87.4
7	Aug 15	82.9
8	Aug 15	83.0
9	Aug 16	79.5
10	Aug 16	79.7

TABLE 4.68

Summary of Discharge Measurements
St. Clair River
St. Clair Cutoff Section
1968

Meas. No.	Date	Discharge (TCFS)
1	Jul 26	37.9
2	Jul 29	45.3
3	Jul 29	42.2
4	Jul 30	39.0
5	Jul 31	35.0
6	Aug 1	39.9
7	Aug 1	40.7
8	Aug 1	41.7
9	Aug 2	42.0
10	Aug 3	37.3

TABLE 4.69

Summary of Discharge Measurements
St. Clair River
Southeast Bend Section
1968

Meas. No.	Date	Discharge (TCFS)
1	Jul 26	34.7
2	Jul 29	36.7
3	Jul 30	36.5
4	Jul 30	35.5
5	Jul 31	36.4
6	Aug 1	35.1
7	Aug 1	36.8
8	Aug 2	35.3
9	Aug 2	36.0
10	Aug 3	35.4

TABLE 4.70

Summary of Discharge Measurements
St. Clair River
Bassett Channel Section
1968

Meas. No.	Date	Discharge (TCFS)
1	Aug 6	6.9
2	Aug 6	6.7
3	Aug 7	7.2
4	Aug 7	6.8
5	Aug 8	6.8
6	Aug 8	6.7
7	Aug 8	6.8
8	Aug 9	7.2
9	Aug 9	7.1
10	Aug 9	7.3

TABLE 4.71

Summary of Discharge Measurements
St. Clair River
Chematogan Channel Section
1968

Meas. No.	Date	Discharge (Cubic Feet per Second)	Meas. No.	Date	Discharge (Cubic Feet per Second)
1	Aug 6	52	21	Aug 7	61
2	Aug 6	52	22	Aug 7	71
3	Aug 6	50	23	Aug 7	61
4	Aug 6	47	24	Aug 7	59
5	Aug 6	55	25	Aug 7	73
6	Aug 6	48	26	Aug 7	61
7	Aug 6	47	27	Aug 7	40
8	Aug 6	45	28	Aug 7	48
9	Aug 6	45	29	Aug 7	61
10	Aug 6	45	30	Aug 7	57
11	Aug 6	40	31	Aug 9	61
12	Aug 6	47	32	Aug 9	57
13	Aug 6	52	33	Aug 9	62
14	Aug 6	43	34	Aug 10	76
15	Aug 6	81	35	Aug 10	69
16	Aug 7	64	36	Aug 10	71
17	Aug 7	48	37	Aug 10	69
18	Aug 7	64	38	Aug 10	64
19	Aug 7	71	39	Aug 10	69
20	Aug 7	61	40	Aug 10	69

TABLE 4.72

Color Velocity Method in Measuring Discharge
St. Clair River
Chematogan Channel Section
1968

Dye Drop No.	Date	Dye Discharge (CFS)	Meter Discharge (CFS)
1	Aug 10	118	92
2	Aug 10	116	112
3	Aug 10	110	116
1	Aug 20	99	-
2	Aug 20	105	-

TABLE 4.73

Summary of Discharges Measurements
St. Clair River
Chenal Ecarté Section
1972

Meas.No.	Date	Discharge (TCFS)
1	Mar 7	8.3
2	Mar 8	10.5
3	Mar 8	10.9
4	Mar 10	9.4
5	Mar 10	9.3
6	Mar 13	9.0

TABLE 4.74

Summary of Discharge Measurements
St. Clair River
St. Clair Section
1973

Meas. No.	Date	Harbor Beach	Water Levels (Feet,IGLD 1955) Dry Dock	St. Clair	Section	G.P.Y.C.	Discharge (TCFS)
1	Jun 18	580.86	579.48	578.22	577.68	576.32	221.4
2	Jun 19	580.76	579.33	578.13	577.61	576.31	215.0
3	Jun 20	580.87	579.41	578.17	577.65	576.26	222.8
4	Jun 20	580.94	579.47	578.22	577.70	576.27	219.0
5	Jun 21	580.93	579.44	578.18	577.65	576.26	223.0
6	Jun 21	580.96	579.45	578.19	577.66	576.24	222.1
7	Jun 22	580.95	579.46	578.18	577.65	576.23	223.8
8	Jun 22	580.99	579.50	578.21	577.66	576.21	225.3
9	Jun 23	580.97	579.48	--------	577.65	576.23	223.3
10	Jun 23	580.98	579.49	--------	577.65	576.22	226.6
11	Jun 25	580.91	579.47	--------	577.64	576.23	226.9
12	Jun 26	580.79	579.33	578.11	577.61	576.23	219.1
13	Jun 26	580.80	579.38	578.12	577.61	576.23	217.2
14	Jun 27	580.87	579.42	578.22	577.72	576.31	211.6
15	Jun 28	580.95	579.49	578.30	577.80	576.41	219.9
16	Jun 29	580.93	579.45	578.29	577.80	576.38	213.9
17	Jun 29	580.97	579.53	578.31	577.80	576.43	220.5
18	Jul 3	581.04	579.59	578.32	577.78	576.37	224.6
19	Jul 3	581.06	579.66	578.36	577.81	576.35	226.0
20	Jul 5	581.11	579.60	578.30	577.79	576.32	232.9
21	Jul 6	581.05	579.56	578.26	577.76	576.30	230.5
22	Jul 6	581.03	579.59	578.29	577.75	576.30	231.0
23	Jul 9	581.10	579.58	578.25	577.73	576.24	229.0
24	Jul 9	581.07	579.54	578.22	577.72	576.24	226.2
25	Jul 10	--------	579.73	578.23	577.71	576.25	225.2
26	Jul 10	--------	579.58	578.25	579.72	576.25	231.3

TABLE 4.75

Summary of Discharge Measurements
St. Clair River
Dry Dock Section
1973

Meas. No.	Date	Water Levels (Feet,IGLD 1955) Harbor Beach	Dry Dock	St. Clair Section	G.P.Y.C.	Discharge (TCFS)
1	Jun 20	580.93	579.48	577.69	576.26	222.1
2	Jun 21	580.94	579.45	577.65	576.25	223.7
3	Jun 26	580.80	579.33	577.61	576.24	219.6
4	Jun 27	580.86	579.36	577.71	576.30	213.4
5	Jun 28	580.96	579.46	577.81	576.40	223.7
6	Jun 28	580.92	579.48	577.74	576.41	225.4
7	Jun 29	580.93	579.45	577.80	576.38	215.4
8	Jul 3	581.06	579.61	577.79	576.37	231.1
9	Jul 4	581.12	579.60	577.78	576.30	233.5
10	Jul 5	581.12	579.59	--------	576.32	233.0
11	Jul 5	581.12	579.60	--------	576.32	235.7
12	Jul 6	581.06	579.58	577.76	576.30	231.6
13	Jul 6	581.07	579.55	577.75	576.29	234.7
14	Jul 9	581.11	579.59	577.73	576.24	237.4
15	Jul 9	581.07	579.53	577.72	576.24	228.2
16	Jul 10	581.01	579.53	577.71	576.26	231.6
17	Jul 10	581.05	579.55	577.72	576.24	234.9
18	Jul 11	581.20	579.77	577.79	576.29	246.2
19	Jul 11	581.11	579.81	577.84	576.27	252.5

TABLE 4.76

Summary of Discharge Measurements
St. Clair River
Meuller Brothers Section
1976

Meas. No.	Date	Discharge (TCFS)
1	May 26	236.5
2	May 27	235.6

TABLE 4.77

Summary of Discharge Measurements
St. Clair River
Bay Point Section
1977

Meas. No.	Date	Time (EST)	Water Levels (Feet,IGLD 1955) Section	Discharge (TCFS)
1	Jul 12	1004-1516	577.72	191.8
2	Jul 15	0931-1332	577.86	206.2
3	Jul 18	1042-1446	577.80	203.2
4	Jul 19	0858-1305	577.82	197.2
5	Jul 20	0807-1234	577.83	197.5
6	Jul 22	0801-1238	577.85	202.7
7	Jul 25	1154-1616	578.11	215.9
8	Jul 26	0951-1420	578.05	203.1
9	Jul 27	0919-1338	577.91	206.8
10	Jul 28	0738-1154	577.72	193.2
11	Jul 28	1215-1558	577.73	194.1

TABLE 4.78

Summary of Discharge Measurements
St. Clair River
Bay Point Section
1985

Meas. No.	Date	Time (EST)	Water Levels (Feet,IGLD 1955) Section Gauge	Discharge (TCFS)
1	Jul 5	1151-1415	579.51	211.1

TABLE 4.79

Summary of Discharge Measurements
St. Clair River
East Stag Island Section
1981

Meas. No.	Date	Time (EST)	Water Levels (Feet,IGLD 1955) Section Gauge	Discharge (TCFS)
1	Jul 29	1400-1545	577.69	57.7
2	Jul 30	1032-1200	577.45	51.7
3	Jul 31	1049-1150	577.55	58.3

TABLE 4.80

Summary of Discharge Measurements
St. Clair River
West Stag Island Section
1981

Meas. No.	Date	Time (EST)	Water Levels (Feet,IGLD 1955) Section Gauge	Discharge (TCFS)
1	Jul 29	1214-1350	577.72	132.6
2	Jul 30	0930-1050	577.63	125.2
3	Jul 31	0917-1035	577.53	123.0
4	Jul 31	1042-1152	577.54	128.2

TABLE 4.81

Summary of Discharge Measurements
St. Clair River
GLERL Hydraulic Verification Section
1979-1985

Meas. No.	Date	Time(EST)	Water Levels (Feet, IGLD 1955) Section Gauge	Area (ft^2)	Velocity (ft/s)	Discharge (CFS)
1	16 Nov 1979	1155-1713	578.32	57,686	3.50	201,900
2	07 Oct 1981	0900-1226	579.17	59,285	3.89	230,620
3	08 Oct 1981	0928-1149	578.61	57,473	3.74	214,950
4	09 Oct 1981	0917-1221	578.48	57,394	3.58	205,470
5	13 Oct 1981	0907-1046	578.16	57,259	3.51	200,980
6	14 Oct 1981	0850-1128	578.07	56,593	3.44	194,680
7	15 Oct 1981	0852-1139	578.14	56,989	3.62	206,300
8	10 May 1982	0936-1340	577.90	57,585	3.57	205,580
9	18 May 1983	0813-1145	578.72	57,767	3.52	203,340
10	20 May 1983	0807-1145	578.82	57,964	3.61	209,250
11	23 May 1983	0811-1053	578.81	58,336	3.48	203,010
12	24 May 1983	0818-1142	579.00	57,965	3.66	212,150
13	30 Nov 1983	0954-1503	578.40	57,571	3.43	197,470
14	01 Dec 1983	1023-1332	578.47	58,453	3.71	216,860
15	02 Dec 1983	0950-1306	578.33	57,225	3.55	203,150
16	05 Dec 1983	1004-1218	578.38	57,538	3.55	204,260
17	06 Dec 1983	1008-1249	578.50	58,316	3.99	232,680
18	05 Jun 1984	1053-1434	578.90	58,938	3.57	210,410
19	06 Jun 1984	0903-1147	578.96	58,429	3.71	216,770
20	07 Jun 1984	0840-1107	578.75	57,812	3.61	208,700
21	08 Jun 1984	0823-1121	579.16	57,553	3.51	202,010
22	11 Jun 1984	0825-1125	579.02	58,187	4.02	233,910
23	27 Nov 1984	1037-1358	578.86	55,220	3.72	205,420
24	28 Nov 1984	1002-1324	579.20	55,838	3.84	214,420
25	29 Nov 1984	0950-1214	579.33	55,420	4.05	224,450
26	30 Nov 1984	0917-1306	579.08	55,629	3.75	208,610
27	03 Dec 1984	1015-1355	578.55	54,893	3.47	190,480
28	15 Oct 1985	0900-1201	579.76	51,539	3.56	183,480
29	16 Oct 1985	0822-1136	579.84	52,194	3.56	185,810
30	17 Oct 1985	0825-1049	579.54	51,843	3.43	177,820
31	18 Oct 1985	0824-1052	579.49	51,263	3.42	175,320

TABLE 4.82

Summary of Discharge Measurements
St. Clair River
USGS Moving-boat Section
1981-1982

Meas. No.	Date	Time(EST)	Water Levels (Feet, IGLD 1955) Section Gauge	Discharge (CFS)
1	08 Oct 1981	1557-1701	3.21	202,800
2	08 Oct 1981	1727-1818	3.23	199,300
3	09 Oct 1981	1054-1140	3.18	181,700
4	09 Oct 1981	1241-1324	3.14	177,400
5	09 Oct 1981	1345-1435	3.14	192,800
6	04 May 1982	1210-1352	**	199,200
7	04 May 1982	1701-1747	**	200,600
8	05 May 1982	0948-1038	**	193,300
9	05 May 1982	1720-1811	*	183,700
10	06 May 1982	0937-1018	**	183,300
11	06 May 1982	1651-1721	**	191,000
12	06 May 1982	1728-1757	*	185,500

* Line of measurement near GLERL Hydraulic Verification Section
** Gage data not recorded for 1982 measurement sequence

TABLE 4.83

Summary of Discharge Measurements
St. Clair River
Water Survey of Canada Moving-boat Measurements
USGS and Blue Water Bridge Sections
1981

Meas. No.	Date	Time(EST)	Water Levels (Feet, IGLD 1955) Section Gauge	Area (ft^2)	Velocity (ft/s)	Discharge (CFS)
1	07 Oct 1981	1320-1355	579.04	50,913	4.33	221,600
2	08 Oct 1981	0915-1045	578.61	50,590	4.27	216,100
3	08 Oct 1981	1225-1325	578.61	50,267	4.17	209,200
4	08 Oct 1981	1455-1600	578.51	49,890	4.17	207,300
5	14 Oct 1981	0940-1015	578.08	50,159	3.81	190,500
6	14 Oct 1981	1200-1305	578.08	49,944	3.81	189,400
7	14 Oct 1981	1415-1440	578.15	34,606	5.51	190,700
8	15 Oct 1981	0940-1055	578.15	35,090	5.54	194,600

Measurements 1-6 were taken at the USGS Section; measurements 7-8 were taken at the Blue Water Bridge Section

TABLE 4.83

Summary of Discharge Measurements
St. Clair River
Water Survey of Canada Moving-boat Measurements
USCGS and Blue Water Bridge Sections
1981

Meas. No.	Date	Time(EST)	Water Levels (Feet, IGLD 1955) Section Gauge	Area (m²)	Velocity (m/s)	Discharge (CFS)
1	07 Oct 1981	1320-1355	579.04	50,913	4.33	227,600
2	08 Oct 1981	0915-1045	578.61	50,590	4.27	216,100
3	08 Oct 1981	1225-1325	578.61	50,267	4.17	209,200
4	08 Oct 1981	1455-1600	578.51	49,890	4.17	207,300
5	14 Oct 1981	0940-1015	578.08	50,159	3.81	190,500
6	14 Oct 1981	1200-1305	578.05	49,944	3.81	189,400
7	14 Oct 1981	1415-1440	578.15	34,600	5.51	190,700
8	15 Oct 1981	0940-1055	578.15	35,000	5.54	194,000

Measurements 1-6 were taken at the USCGS Section; measurements 7-8 were taken at the Blue Water Bridge Section