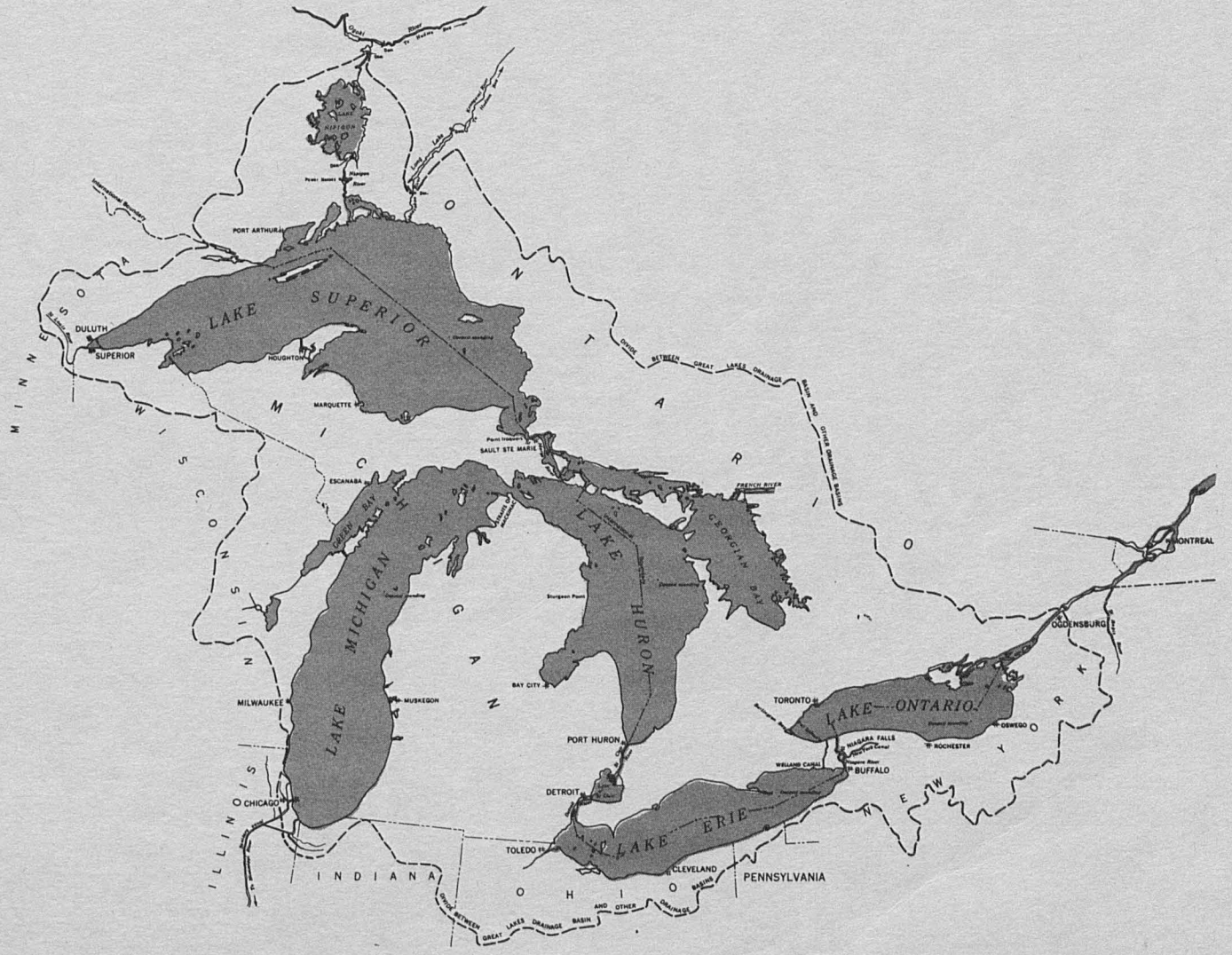
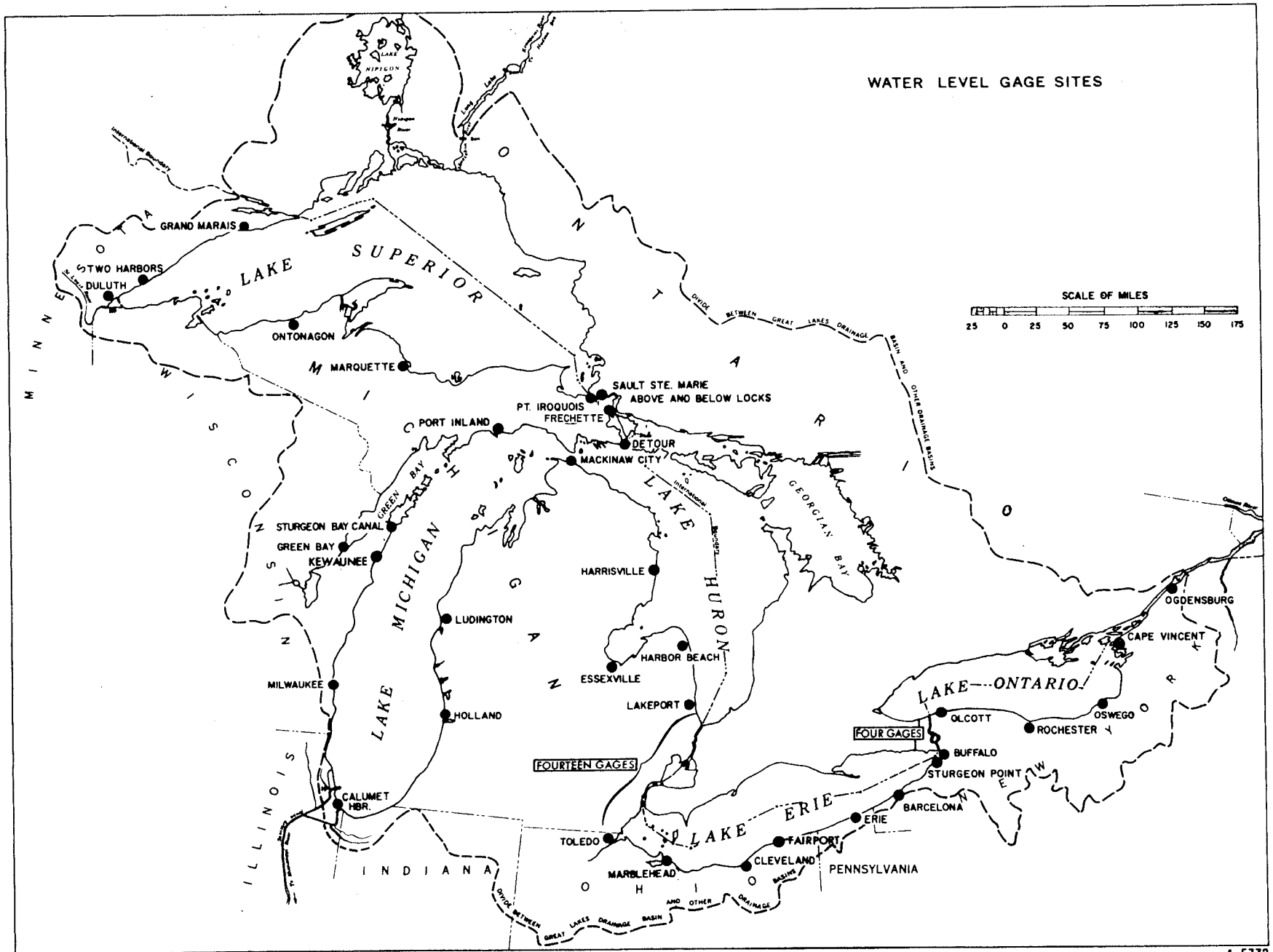
Great Lakes Water Levels, 1979

U.S. DEPARTMENT OF COMMERCE, National Oceanic and Atmospheric Administration, National Ocean Survey




WATER LEVEL GAGE SITES
SCALE OF MILES
25 0 25 50 75 100 125 150 175
LAKE SUPERIOR
LAKE MICHIGAN
LAKE HURON
LAKE ERIE
LAKE ONTARIO
GEORGIAN BAY
GREEN BAY
GRAND MARAIS
TWO HARBORS
DULUTH
ONTONAGON
MARQUETTE
SAULT STE. MARIE
ABOVE AND BELOW LOCKS
PT. IROQUOIS
FRECHETTE
PORT INLAND
DETOUR
MACKINAW CITY
STURGEON BAY CANAL
GREEN BAY
KEWAUNEE
HARRISVILLE
LUDINGTON
HARBOR BEACH
ESSEXVILLE
MILWAUKEE
LAKEPORT
HOLLAND
FOURTEEN GAGES
CALUMET HBR.
TOLEDO
MARBLEHEAD
FAIRPORT
CLEVELAND
ERIE
BARCELONA
STURGEON POINT
BUFFALO
FOUR GAGES
OLCOTT
ROCHESTER
OSWEGO
CAPE VINCENT
OGDENSBURG
MINNESOTA
WISCONSIN
ILLINOIS
INDIANA
OHIO
PENNSYLVANIA
NEW YORK
ONTARIO
DIVIDE BETWEEN GREAT LAKES DRAINAGE BASIN AND OTHER DRAINAGE BASINS
International Boundary

A-5772

GREAT LAKES WATER LEVELS

1979

Daily and Monthly Average Water Surface Elevations

INTRODUCTION

GENERAL: This annual publication contains Great Lakes water level gage records in both feet and meters. The publication shows, in tabular form for the calendar year, daily and monthly average levels for each gage in the network, the highest and lowest daily average level for each month, a frequency distribution of daily average levels showing the number of times each month the recorded levels were at, or above, specific elevations, and monthly average level stages for each lake from 1900 to the present. The gages record water levels in either analog or digital form on strip charts retained by the National Ocean Survey. Recorded hourly values are used to compute the daily averages, and the monthly values are derived from the daily averages. The original data is in feet. The converted metric data is less precise than the feet data (1 cm vs. 0.01 ft.); therefore, data reconverted to feet will often disagree with the original data.

The location of the recording water level gages is shown on the preceding page. An index on the following pages lists the gage locations, identification numbers, and geographic coordinates.

A separate publication, printed every five years, shows monthly and annual averages and highest and lowest monthly averages for the period of record (latest issue: Great Lakes Water Levels, 1860-1975). A hydrograph depicting master control gage data for each lake is available free of charge by writing: Distribution Division, C44, National Ocean Survey, Riverdale, Maryland 20840.

DATUM OF REFERENCE: All tabulated elevations are referred to the International Great Lakes Datum (1955). An explanation of the datum can be obtained by writing the National Ocean Survey, C234, 6001 Executive Boulevard, Rockville, Maryland 20852.

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STATION NUMBER AND LOCATION	LATITUDE NORTH	LONGITUDE WEST	PAGE FEET	PAGE METERS
ST. LAWRENCE RIVER				
1030 Ogdensburg, New York	44 42 10	75 29 40	1	119
2000 Cape Vincent, New York	44 07 45	76 20 15	3	121
LAKE ONTARIO (CHART DATUM) 242.8)				
2030 OSWEGO, NEW YORK	43 27 51	76 30 42	5	123
2058 Rochester, New York	43 16 10	77 37 34	7	125
2076 Olcott, New York	43 20 17	78 43 39	9	127
NIAGARA RIVER				
3007 Ashland Avenue, Niagara Falls, New York	43 06 00	79 03 35	11	129
3009 American Falls, Niagara Falls, New York	43 04 54	79 03 42	13	131
3012 Niagara Intake, Niagara Falls, New York	43 04 40	79 00 55	15	133
3117 Ontario Street, Buffalo, New York	42 56 35	78 54 37	17	135
LAKE ERIE (CHART DATUM) 568.6)				
3020 Buffalo, New York	42 52 39	78 53 27	19	137
3028 Sturgeon Point, New York	42 41 27	79 02 52	21	139
3032 Barcelona, New York	42 20 35	79 35 50	23	141
3038 Erie, Pennsylvania	42 09 15	80 04 32	25	143
3053 Fairport, Ohio	41 45 00	81 17 00	27	145
3063 CLEVELAND, OHIO	41 32 27	81 38 08	29	147
3079 Marblehead, Ohio	41 32 40	82 43 53	31	149
3085 Toledo, Ohio	41 41 36	83 28 20	33	151
3087 Monroe, Michigan	41 53 54	83 21 42	35	153
3090 Fermi Power Plant, Stony Point, Michigan	41 57 35	83 15 30	37	155

NOTE: Locations shown in CAPITAL letters are master gages.

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STATION NUMBER AND LOCATION	LATITUDE NORTH	LONGITUDE WEST	PAGE FEET	PAGE METERS
DETROIT RIVER				
4020 Gibraltar, Michigan	42 05 30	83 11 10	39	157
4030 Wyandotte, Michigan	42 12 12	83 08 50	41	159
4036 Fort Wayne, Detroit, Michigan	42 17 53	83 05 34	43	161
4049 Windmill Point, Detroit, Michigan	42 21 26	82 55 45	45	163
LAKE ST. CLAIR (CHART DATUM 571.7)				
4052 ST. CLAIR SHORES, MICHIGAN	42 28 24	82 52 45	47	165
ST. CLAIR RIVER				
4070 Algonac, Michigan	42 37 15	82 31 37	49	167
4080 St. Clair S.P., St. Clair, Michigan	42 48 45	82 29 09	51	169
4084 Marysville, Michigan	42 54 22	82 27 58	53	171
4087 Dry Dock, Port Huron, Michigan	42 56 43	82 26 37	55	173
4090 Mouth of the Black River, Port Huron, MI	42 58 25	82 25 16	57	175
4096 Dunn Paper Company, Port Huron, MI	43 00 12	82 25 20	59	177
4098 Fort Gratiot, Port Huron, MI	43 00 23	82 25 21	61	179
LAKE HURON (CHART DATUM 576.8)				
5002 Lakeport, Michigan	43 08 30	82 29 35	63	181
5014 HARBOR BEACH, MICHIGAN	43 50 45	82 38 38	65	183
5035 Essexville, Michigan	43 38 29	83 50 48	67	185
5059 Harrisville, Michigan	44 39 34	83 17 11	69	187
5080 Mackinaw City, Michigan	45 46 40	84 43 10	71	189
5098 DeTour, Michigan	46 01 00	83 55 15	73	191
5099 DeTour Village, Michigan	45 59 30	83 53 48	75	193

NOTE: Locations shown in CAPITAL letters are master gages.

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STATION NUMBER AND LOCATION	LATITUDE NORTH	LONGITUDE WEST	PAGE FEET	PAGE METERS
ST. MARY'S RIVER				
6050 Frechette Point, Michigan	46 27 40	84 17 10	77	195
6060 U.S. Slip below locks, Sault Ste. Marie, MI	46 30 03	84 20 24	79	197
6070 S.W. Pier above locks, Sault Ste. Marie, MI	46 30 05	84 22 21	81	199
LAKE MICHIGAN (CHART DATUM 576.8)				
7023 Ludington, Michigan	43 56 48	86 26 30	83	201
7031 Holland, Michigan	42 46 05	86 12 06	85	203
7044 Calumet Harbor, S. Chicago, Illinois	41 43 48	87 32 18	87	205
7057 Milwukee, Wisconsin	43 00 05	87 53 13	89	207
7068 Kewaunee, Wisconsin	44 27 48	87 30 00	91	209
7072 Sturgeon Bay Canal, Wisconsin	44 47 40	87 18 48	93	211
7078 Green Bay, Wisconsin	44 32 27	88 00 30	95	213
7079 Green Bay, Wisconsin	44 32 27	88 00 30	97	215
7096 Port Inland, Michigan	45 58 10	85 52 20	99	217
LAKE SUPERIOR (CHART DATUM 600.0)				
9004 POINT IROQUOIS, MICHIGAN	46 29 06	84 37 52	101	219
9016 Marquette, Michigan	46 32 29	87 23 26	103	221
9044 Ontonagon, Michigan	46 52 40	89 19 15	105	223
9064 Duluth, Minnesota	46 46 32	92 05 34	107	225
9070 Two Harbors, Minnesota	47 01 03	91 40 30	109	227
9090 Grand Marais, Minnesota	47 44 53	90 20 30	111	229
Lake Ontario Stages at Oswego, New York			112	230
Lake Erie Stages at Cleveland, Ohio			113	231
Lake St. Clair Stages at St. Clair Shores, Michigan			114	232
Lakes Huron-Michigan Stages at Harbor Beach, Michigan			115	233
Lake Superior Stages at Marquette, Michigan			116	234

NOTE: Locations shown in CAPITAL letters are master gages.

ANNUAL SUMMARY OF LEVELS, 1979

Station 1030: Ogdensburg, New York on St. Lawrence River

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	245.07	May	243.17	Dec
Daily mean elevation:	245.64	6 Apr	242.36	25 Dec
Instant/hourly Elevation:	247.15	1400/6 Apr	241.70	1300/25 Dec

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
243.98	4 Jan
243.71	1 Feb
244.49	26 Mar
245.64	6 Apr
245.38	5 May
245.21	11 Jun
244.87	2 Jul
244.68	2 Aug
244.48	18 Sep
244.18	6 Oct
243.81	27 Nov
243.69	4 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
243.21	24 Jan
242.78	26 Feb
243.00	1 Mar
244.12	1 Apr
244.14	25 May
244.68	30 Jun
244.45	17 Jul
244.10	22 Aug
243.79	30 Sep
243.22	31 Oct
242.91	19 Nov
242.36	25 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
245.60				1									245.60	1
245.40													245.40	1
245.20					6	1							245.20	8
245.00				5	21	10							245.00	44
244.80				13	1	13	2						244.80	73
244.60				6	2	6	16	6					244.60	109
244.40			2	1			13	4	2				244.40	131
244.20			3	3				12	6				244.20	155
244.00			4	1	1			9	8	2			244.00	180
243.80	1		10						13	2	1		243.80	207
243.60	9	4	3						1	17	2	2	243.60	245
243.40	8	3	3							8	4	5	243.40	276
243.20	13	10	2							2	10	8	243.20	321
243.00		9	3								10	8	243.00	351
242.80		1	1								3	4	242.80	360
242.60		1										2	242.60	363
242.40												1	242.40	364
242.20												1	242.20	365

INTERNATIONAL
GREAT LAKES
DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 1030: Ogdensburg, New York on St. Lawrence River

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	243.46	243.71	243.00	244.12	245.29	244.99	244.73	244.53	244.15	243.76	243.36	243.33
2	243.37	243.68	243.15	244.31	245.15	245.09	244.87	244.68	244.22	243.65	243.44	243.17
3	243.80	243.56	243.12	244.76	245.10	245.09	244.85	244.64	244.21	243.62	243.35	243.63
4	243.98	243.62	243.18	244.37	245.38	245.04	244.78	244.61	244.03	243.70	243.34	243.69
5	243.64	243.69	243.33	244.92	245.38	245.06	244.75	244.66	244.02	243.72	243.23	243.44
6	243.33	243.46	243.40	245.64	245.26	244.94	244.74	244.42	244.01	244.18	243.22	243.47
7	243.26	243.27	243.48	245.03	245.03	244.90	244.79	244.54	243.95	244.14	243.23	243.38
8	243.32	243.47	243.54	244.76	245.15	244.98	244.79	244.62	243.89	243.91	243.43	243.57
9	243.52	243.40	243.60	244.31	245.30	244.97	244.69	244.39	243.94	243.67	243.12	243.60
10	243.44	243.35	243.78	244.72	245.19	244.98	244.64	244.34	244.11	243.68	243.37	243.08
11	243.39	243.33	243.97	244.74	245.11	245.21	244.68	244.32	243.94	243.77	243.14	243.32
12	243.37	243.29	243.97	244.68	245.17	245.06	244.71	244.16	243.82	243.77	243.14	243.28
13	243.26	243.29	243.87	244.53	245.29	245.07	244.68	244.27	243.90	244.00	243.09	242.87
14	243.66	243.27	244.34	244.80	245.19	245.02	244.62	244.67	244.14	243.76	243.13	243.12
15	243.63	243.17	244.07	244.88	245.13	245.08	244.63	244.47	244.30	243.75	243.23	243.24
16	243.48	243.17	244.00	244.90	245.16	245.06	244.64	244.32	244.28	243.56	243.25	243.42
17	243.26	243.26	243.86	244.96	245.08	244.98	244.45	244.37	244.42	243.58	243.60	243.15
18	243.43	243.15	243.78	244.93	245.05	244.78	244.53	244.32	244.48	243.48	243.05	242.93
19	243.34	243.20	243.80	244.91	245.01	244.78	244.58	244.31	244.19	243.51	242.91	242.57
20	243.28	243.26	243.92	244.95	245.03	244.77	244.56	244.20	244.29	243.66	243.10	242.74
21	243.40	243.19	243.91	244.91	245.13	244.83	244.56	244.20	244.37	243.70	242.95	243.04
22	243.64	243.28	243.99	244.97	245.03	244.89	244.58	244.10	243.97	243.58	243.08	243.02
23	243.42	243.07	243.97	244.98	244.93*	245.12	244.48	244.16	243.85	243.64	243.09	242.93
24	243.21	243.16	244.00	244.89	244.66*	244.90	244.49	244.23	243.84	243.77	243.21	242.77
25	243.37	242.91	244.17	244.84	244.14	244.79	244.51	244.38	244.01	243.67	242.96	242.36
26	243.59	242.78	244.49	244.90	244.62	244.81	244.66	244.19	243.96	243.62	243.14	242.94
27	243.58	243.07	244.46	245.05	245.01	244.95	244.55	244.16	243.87	243.48	243.81	243.12
28	243.65	243.15	244.19	245.09	245.04	244.86	244.56	244.13	243.90	243.52	243.54	243.29
29	243.77		244.31	245.20	245.05	244.75	244.55	244.23	243.83	243.43	243.63	243.34
30	243.73		244.13	245.09	245.08	244.68	244.51	244.31	243.79	243.35	243.64	243.25
31	243.70		244.36		245.09		244.61	244.12		243.22		243.13
MEAN	243.49	243.29	243.84	244.84	245.07	244.95	244.64	244.36	244.06	243.67	243.26	243.17
MAX.	244.31	243.98	244.82	247.15	245.57	245.52	245.03	245.02	244.60	244.47	244.61	244.20
	1700/14	1900/04	1700/26	1400/06	1900/05	0500/11	1700/02	1800/02	1300/18	1300/07	1500/28	0900/08
MIN.	242.98	242.57	242.91	243.87	243.71	244.58	244.30	243.99	243.72	243.15	242.69	241.70
	1700/24	1100/26	2100/01	1600/09	1900/25	0900/18	1100/17	1100/31	2400/12	1500/31	2300/25	1300/25

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

ANNUAL MEAN: 244.05

ANNUAL SUMMARY OF LEVELS, 1979

Station 2000: Cape Vincent, New York on St. Lawrence River

INTERNATIONAL GREAT LAKES DATUM (1955)

HIGHEST			LOWEST		
Monthly mean elevation:	245.98	May	Monthly mean elevation:	244.08	Dec
Daily mean elevation:	246.11	13 May	Daily mean elevation:	243.68	18 Dec
Instant/hourly Elevation:	247.21	0500/6 Apr	Instant/hourly Elevation:	243.25	1000/25 Dec

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
244.44	29 Jan
244.40	1 Feb
245.06	31 Mar
246.07	6 Apr
246.11	13 May
246.04	11 Jun
245.79	3 Jul
245.56	2 Aug
245.24	18 Sep
245.03	7 Oct
244.40	2 Nov
244.34	8 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
243.79	13 Jan
243.91	26 Feb
244.11	1 Mar
244.97	1 Apr
245.74	25 May
245.68	30 Jun
245.44	24 Jul
245.09	22 Aug
244.82	30 Sep
244.73	4 Oct
243.97	25 Nov
243.68	18 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
246.00				1	10	4							246.00	15
245.80				4	20	19							245.80	58
245.60				12	1	7	13						245.60	91
245.40				7			18	9					245.40	125
245.20				3				10	3				245.20	141
245.00			2	2				12	11	1			245.00	169
244.80			6	1					16	5			244.80	197
244.60			14							5			244.60	216
244.40	3		4										244.40	223
244.20	5	3	3								17	9	244.20	260
244.00	7	9	2								10	10	244.00	298
243.80	9	2									2	8	243.80	319
243.60	1											3	243.60	323

INTERNATIONAL
GREAT LAKES
DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 2000: Cape Vincent, New York on St. Lawrence River

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	/	244.40*	244.11	244.97	245.98	245.99	245.72	245.46*	245.11	244.80	/	244.17
2	/	/	244.25	245.13	245.90	246.03	245.79	245.56	245.17	244.73	244.40*	244.15
3	/	/	244.19	245.27	245.91	245.99	245.79	245.51	245.16	244.78	244.39	244.33
4	/	/	244.26	245.07	246.06	246.00	245.73	245.52	245.06	244.73	244.35	244.26
5	/	/	244.35	245.50	246.02	246.00	245.71	245.54	245.04	244.84	244.28	244.23
6	/	/	244.41	246.07	245.93	245.94	245.69	245.42	245.07	244.95	244.29	244.20
7	243.82*	/	244.45	245.57	245.89	245.92	245.68	245.47	245.00	245.03	244.30	244.21
8	243.94	/	244.51	245.40	245.97	245.95	245.66	245.51	244.96	244.82	244.38	244.34
9	244.14	/	244.51	245.31	246.00	245.96	245.62	245.36	244.96	244.82	244.19	244.31
10	243.97	/	244.64	245.56	245.98	245.97	245.62	245.38	245.00	244.75	244.34	244.01
11	243.90	/	244.73	245.48	245.98	246.04	245.64*	245.35	244.92	244.93*	244.24	244.16
12	243.89	/	244.74	245.48	246.02	246.01	245.65	245.25	244.85	/	244.21	244.13
13	243.79	/	244.67	245.41	246.11	246.01	245.63	245.30	244.91	/	244.20	243.99
14	244.20	/	244.89	245.60	246.03	245.94	245.60	245.43	245.12	/	244.20*	244.09
15	244.21	/	244.79	245.71	246.05	245.96	245.59	245.29	245.18	/	244.28*	244.15
16	244.09	244.12*	244.77	245.71	246.07	245.94	245.60	245.28	245.17	/	244.23	243.99
17	243.95	244.09	244.73	245.77	246.03	245.90	245.52	245.29	245.22	/	244.27	243.85
18	244.05	244.01	244.71	245.75	245.99	245.86	245.52	245.28	245.24	/	244.05	243.68
19	243.97	244.09	244.73	245.75	245.98	245.85	245.50	245.24	245.14	/	244.03	243.70
20	243.95	244.09	244.77	245.74	245.98	245.80	245.49	245.18	245.19	/	244.12	243.88
21	244.06	244.17	244.77	245.73	246.05	245.82	245.47	245.15	245.21	/	243.98	244.00
22	244.22	244.23	244.77	245.79	245.98	245.89	245.47	245.09	245.00	/	244.08	243.96
23	244.06	244.15	244.75	245.78	245.94	245.94	245.44	245.13	244.96	/	244.06	243.94
24	243.92	244.19	244.74	245.75	245.87	245.83	245.44	245.14	244.94	/	244.13	243.86
25	244.10	243.96	244.89	245.74	245.74	245.78	245.45	245.20	244.99	/	243.97	243.79
26	244.27	243.91	245.04	245.74	245.99	245.76	245.56	245.10	244.96	/	244.18	244.13*
27	244.27	244.18	244.98	245.91	245.99	245.80	245.50	245.12	244.90	/	244.28	/
28	244.36	244.21	244.88	245.86	245.99	245.75	245.51	245.10	244.91	/	244.36	244.32*
29	244.44		244.99	245.90	246.00	245.72	245.51	245.15	244.84	/	244.32	244.28
30	244.43		244.95	245.86	246.02	245.68	245.46	245.19	244.82	/	244.37	244.22
31	244.41		245.06		246.00		245.54*	245.10		/		244.17
MEAN	244.10	244.13	244.68	245.61	245.98	245.90	245.58	245.29	245.03	244.83	244.22	244.08
MAX.	244.98	244.44	245.24	247.21	246.30	246.26	245.90	245.80	245.41	245.27	245.23	245.06
	1400/14	0200/01	1700/31	0500/06	0300/13	0200/11	1600/02	1400/07	2000/18	1100/07	1100/28	0500/08
MIN.	243.63	243.48	244.03	244.82	245.54	245.64	245.35	245.00	244.72	244.62	243.78	243.25
	1800/13	0800/26	1800/01	2200/04	1500/25	1800/30	1800/30	0500/27	2100/10	1300/04	2000/25	1000/25

ANNUAL MEAN: 244.95

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

ANNUAL SUMMARY OF LEVELS, 1979
Station 2030: Oswego, New York on Lake Ontario

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	246.06	May	244.21	Dec
Daily mean elevation:	246.12	16 May	243.87	1 Jan
Instant/hourly Elevation:	246.60	1500/6 Apr	243.55	0400/1 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
244.67	29 Jan
244.79	5 Feb
245.18	31 Mar
245.96	30 Apr
246.12	16 May
246.08	2 Jun
245.83	3 Jul
245.53	8 Aug
245.30	19 Sep
245.00	7 Oct
244.47	2 Nov
244.52	8 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
243.87	1 Jan
244.13	23 Feb
244.23	3 Mar
245.08	2 Apr
245.98	3 May
245.73	30 Jun
245.40	25 Jul
245.04	23 Aug
244.81	30 Sep
244.38	31 Oct
244.06	23 Nov
243.94	21 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
246.00					56	18							246.00	74
245.80				32	6	32	2						245.80	146
245.60				10		10	17						245.60	183
245.40				10			17	11					245.40	221
245.20				4			1	7	4				245.20	237
245.00			12	4				13	15				245.00	281
244.80			26						11	10			244.80	328
244.60	6	10	10							16			244.60	370
244.40	10	12	6							4	3	3	244.40	408
244.20	12	32	8							1	18	13	244.20	492
244.00	28	2									9	11	244.00	542
243.80	6											4	243.80	552

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 2030: Oswego, New York on Lake Ontario

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	243.87	244.69	244.26	245.16	246.00	246.07	245.77	245.47	245.08	244.81	244.38	244.20
2	244.03	244.67	244.34	245.08	246.00	246.08	245.80	245.46	245.11	244.79	244.47	244.32
3	244.17	244.54	244.23	245.32	245.98	246.05	245.83	245.49	245.15	244.78	244.43	244.29
4	244.09	244.62	244.25	245.25	246.12	246.04	245.79	245.48	245.11	244.76	244.44	244.34
5	244.04	244.79	244.43	245.45	246.08	246.05	245.80	245.50	245.06	244.86	244.32	244.12
6	243.99	244.48	244.53	245.92	246.03	246.03	245.77	245.47	245.14	244.93	244.31	244.23
7	244.03	244.40	244.56	245.72	246.03	245.98	245.72	245.41	245.13	245.00	244.40	244.18
8	244.11	244.61	244.63	245.52	246.05	245.98	245.69	245.53	245.05	244.94	244.31	244.52
9	244.12	244.54	244.62	245.59	246.06	245.99	245.65	245.36	244.99	244.93	244.25	244.31
10	244.15	244.46	244.70	245.70	246.07	245.95	245.64	245.44	245.02	244.82	244.35	244.16
11	244.06	244.43	244.91	245.63	246.07	246.06	245.65	245.40	244.96	244.79	244.34	244.17
12	244.02	244.40	244.95	245.59	246.06	246.05	245.63	245.29	244.93	244.76	244.32	244.26
13	244.00	244.42	244.65	245.55	246.12	246.01	245.62	245.23	244.87	244.91	244.28	244.20
14	244.33	244.37	244.90	245.64	246.08	245.98	245.60	245.42	245.17	244.87	244.32	244.25
15	244.34	244.31	245.03	245.80	246.12	245.95	245.56	245.46	245.27	244.82	244.24	244.09
16	244.22	244.34	244.87	245.83	246.12	245.96	245.60	245.37	245.22	244.73	244.31	244.15
17	244.14	244.32	244.85	245.87	246.10	245.94	245.55	245.25	245.19	244.73	244.29	244.33
18	244.31	244.22	244.87	245.87	246.06	245.98	245.51	245.20	245.21	244.72	244.15	244.13
19	244.19	244.26	244.89	245.86	246.02	245.95	245.49	245.23	245.30	244.60	244.14	244.00
20	244.11	244.24	244.88	245.85	246.02	245.87	245.48	245.18	245.17	244.66	244.14	244.00
21	244.28	244.24	244.90	245.84	246.07	245.82	245.46	245.16	245.14	244.65	244.12	243.94
22	244.47	244.30	244.88	245.87	246.07	245.86	245.45	245.11	245.13	244.62	244.07	243.97
23	244.24	244.13	244.82	245.86	246.04	245.92	245.44	245.04	245.01	244.66	244.06	244.02
24	244.15	244.31	244.80	245.87	246.04	245.88	245.43	245.08	244.95	244.77	244.08	244.01
25	244.41	244.28	244.96	245.83	246.06	245.84	245.40	245.13	244.93	244.79	244.10	244.24
26	244.49	244.26	245.15	245.81	246.06	245.80	245.53	245.09	244.96	244.74	244.13	244.33
27	244.45	244.35	245.14	245.95	246.05	245.77	245.53	245.13	244.91	244.59	244.24	244.37
28	244.55	244.32	244.99	245.95	246.08	245.80	245.49	245.11	244.86	244.58	244.31	244.43
29	244.67		245.01	245.96	246.07	245.78	245.49	245.13	244.86	244.61	244.36	244.42
30	244.64		245.06	245.96	246.08	245.73	245.44	245.17	244.81	244.50	244.27	244.38
31	244.61		245.18		246.07		245.42	245.14		244.38		244.28
MEAN	244.23	244.40	244.78	245.70	246.06	245.94	245.59	245.29	245.06	244.75	244.26	244.21
MAX.	244.78	244.93	245.36	246.60	246.29	246.16	245.94	245.77	245.50	245.33	244.67	244.94
	1300/29	0700/05	1200/31	1500/06	1800/04	1400/11	0200/05	1600/07	2200/14	0300/06	1000/02	0700/08
MIN.	243.55	243.96	244.00	244.91	245.86	245.66	245.29	244.56	244.74	244.29	243.74	243.70
	0400/01	0500/23	0600/03	1000/02	0300/03	0400/27	1700/28	1400/07	2300/30	2200/31	1900/24	0800/19

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 245.02

ANNUAL SUMMARY OF LEVELS, 1979
Station 2058: Rochester, New York on Lake Ontario

INTERNATIONAL
GREAT LAKES
DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	246.12	May	244.23	Dec
Daily mean elevation:	246.17	25 May	243.90	1 Jan
Instant/hourly Elevation:	246.43	0600/26 May	243.74	2300/1 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
244.62	31 Jan
244.67	1 Feb
245.19	31 Mar
246.02	30 Apr
246.17	25 May
246.13	12 Jun
245.86	4 Jul
245.55	3 Aug
245.32	19 Sep
244.97	8 Oct
244.45	2 Nov
244.37	28 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
243.90	1 Jan
244.27	21 Feb
244.35	3 Mar
245.22	2 Apr
246.03	1 May
245.82	27 Jun
245.45	31 Jul
245.12	23 Aug
244.90	30 Sep
244.50	31 Oct
244.15	22 Nov
244.05	22 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
246.00				3	31	18							246.00	52
245.80				13		12	6						245.80	83
245.60				7			13						245.60	103
245.40				3			12	11					245.40	129
245.20				4				11	7				245.20	151
245.00			6					9	15				245.00	181
244.80			13						8	15			244.80	217
244.60	2	2	6							12			244.60	239
244.40	5	11	2							4	4		244.40	265
244.20	10	15	4								18	21	244.20	333
244.00	11										8	10	244.00	362
243.80	3												243.80	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 2058: Rochester, New York on Lake Ontario

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	243.90	244.67	244.35	245.23	246.03	246.13	245.82	245.50	245.22	244.89	244.45	244.25
2	244.02	244.65	244.37	245.22	246.04	246.11	245.82	245.48	245.14	244.88	244.45	244.33
3	243.96	244.57	244.35	245.33	246.06	246.11	245.86	245.55	245.19	244.84	244.43	244.24
4	243.98	244.53	244.38	245.37	246.09	246.10	245.86	245.53	245.21	244.84	244.42	244.22
5	244.04	244.58	244.48	245.41	246.11	246.10	245.85	245.53	245.15	244.87	244.40	244.21
6	244.03	244.56	244.57	245.43	246.12	246.10	245.82	245.51	245.14	244.92	244.35	244.24
7	244.07	244.50	244.64	245.62	246.11	246.08	245.79	245.37	245.18	244.95	244.39	244.20
8	244.08	244.51	244.67	245.58	246.12	246.05	245.76	245.49	245.12	244.97	244.30	244.30
9	244.03	244.56	244.70	245.67	246.10	246.04	245.75	245.49	245.09	244.93	244.30	244.22
10	244.10	244.53	244.75	245.66	246.13	246.02	245.70	245.43	245.05	244.88	244.36	244.26
11	244.12	244.49	244.80	245.68	246.14	246.09	245.70	245.43	245.07	244.82	244.34	244.23
12	244.12	244.45	244.85	245.67	246.14	246.13	245.71	245.36	244.99	244.78	244.33	244.24
13	244.12	244.46	244.79	245.67	246.17	246.08	245.72	245.27	244.92	244.84	244.30	244.26
14	244.22	244.39	244.82	245.74	246.17	246.08	245.69	245.34	245.10	244.88	244.30	244.23
15	244.19	244.39	244.95	245.81	246.16	246.04	245.64	245.46	245.25	244.82	244.25	244.16
16	244.21	244.39	244.90	245.86	246.17	246.04	245.65	245.34	245.27	244.82	244.30	244.17
17	244.26	244.35	244.90	245.88	246.17	246.02	245.65	245.25	245.25	244.76	244.21	244.22
18	244.35	244.32	244.91	245.91	246.15	246.01	245.61	245.20	245.23	244.74	244.22	244.18
19	244.28	244.29	244.91	245.90	246.12	245.99	245.57	245.22	245.32	244.67	244.20	244.12
20	244.24	244.29	244.90	245.90	246.11	245.95	245.56	245.22	245.20	244.67	244.18	244.08
21	244.29	244.27	244.93	245.91	246.11	245.89	245.56	245.18	245.15	244.67	244.15	244.08
22	244.32	244.32	244.95	245.91	246.12	245.93	245.54	245.17	245.19	244.71	244.15	244.05
23	244.31	244.29	244.93	245.91	246.10	245.95	245.52	245.12	245.11	244.67	244.16	244.06
24	244.32	244.33	244.95	245.93	246.09	245.96	245.48	245.14	245.02	244.72	244.22	244.13
25	244.48	244.37	244.98	245.93	246.17	245.91	245.49	245.16	244.96	244.76	244.19	244.34
26	244.48	244.40	245.05	245.92	246.13	245.87	245.55	245.18	244.98	244.72	244.19	244.32
27	244.49	244.33	245.11	245.98	246.12	245.82	245.61	245.22	244.96	244.62	244.22	244.37
28	244.53	244.34	245.07	246.01	246.13	245.87	245.53	245.17	244.93	244.56	244.27	244.37
29	244.60		245.09	246.01	246.13	245.87	245.56	245.18	244.94	244.60	244.26	244.32
30	244.62		245.13	246.02	246.14	245.86	245.49	245.21	244.90	244.55	244.20	244.34
31	244.62		245.19		246.13		245.45	245.24		244.50		244.35
MEAN	244.24	244.43	244.82	245.74	246.12	246.01	245.66	245.32	245.11	244.77	244.28	244.23
MAX.	244.69	244.73	245.35	246.18	246.43	246.26	245.96	245.92	245.45	245.15	244.60	244.62
	2000/31	0300/02	0400/31	1200/28	0600/26	1300/05	2200/04	1800/07	0500/19	2100/05	0200/02	1300/25
MIN.	243.74	244.05	244.21	244.97	245.94	245.63	245.30	244.62	244.72	244.43	243.89	243.91
	2300/01	2100/22	1000/03	0600/06	1100/03	2000/27	0600/31	1300/07	1500/10	1000/31	1600/21	2300/23

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 245.06

ANNUAL SUMMARY OF LEVELS, 1979

Station 2076: Olcott, New York on Lake Ontario

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	246.14	May	244.22	Jan
Daily mean elevation:	246.20	14 May	243.85	3 Jan
Instant/hourly Elevation:	246.41	0200/26 May	243.68	1200/1 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
244.55	31 Jan
244.59	7 Feb
245.19	30 Mar
246.04	30 Apr
246.20	14 May
246.15	1 Jun
245.85	3 Jul
245.53	3 Aug
245.25	16 Sep
244.94	6 Oct
244.54	1 Nov
244.36	31 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
243.85	3 Jan
244.31	22 Feb
244.39	2 Mar
245.18	6 Apr
246.01	1 May
245.86	27 Jun
245.49	30 Jul
245.16	26 Aug
244.90	30 Sep
244.55	28 Oct
244.19	17 Nov
244.14	17 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
246.00				4	31	17							246.00	52
245.80				12		13	3						245.80	80
245.60				5			14						245.60	99
245.40				5			14	7					245.40	125
245.20				3				15	5				245.20	148
245.00			8	1				9	19				245.00	185
244.80			10						6	14			244.80	215
244.60			7							13			244.60	235
244.40	8	18	5							4	7		244.40	277
244.20	9	10	1								21	23	244.20	341
244.00	9										2	8	244.00	360
243.80	5												243.80	365

INTERNATIONAL
GREAT LAKES
DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 2076: Olcott, New York on Lake Ontario

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	243.90	244.55	244.44	245.27	246.01	246.15	245.85	245.50	245.20	244.88	244.54	244.32
2	243.99	244.53	244.39	245.31	246.06	246.11	245.80	245.50	245.20	244.89	244.47	244.30
3	243.85	244.58	244.50	245.30	246.08	246.13	245.85	245.53	245.20	244.84	244.47	244.20
4	243.89	244.40	244.53	245.50	246.04	246.13	245.82	245.51	245.17	244.88	244.44	244.18
5	244.01	244.43	244.51	245.42	246.07	246.10	245.78	245.48	245.13	244.89	244.43	244.30
6	244.04	244.58	244.58	245.18	246.15	246.12	245.79	245.45	245.11	244.94	244.42	244.27
7	244.10	244.59	244.65	245.48	246.18	246.09	245.79	245.38	245.19	244.86	244.36	244.26
8	244.04	244.46	244.66	245.60	246.12	246.10	245.76	245.40	245.13	244.90	244.33	244.17
9	243.96	244.49	244.73	245.66	246.14	246.09	245.75	245.41	245.12	244.90	244.42	244.21
10	244.07	244.53	244.73	245.60	246.16	246.08	245.74	245.36	245.08	244.89	244.34	244.34
11	244.13	244.49	244.72	245.68	246.16	246.12	245.74	245.38	245.06	244.85	244.36	244.26
12	244.18	244.46	244.74	245.75	246.15	246.07	245.70	245.33	245.01	244.83	244.33	244.28
13	244.26	244.44	244.84	245.83	246.16	246.07	245.70	245.27	244.97	244.81	244.33	244.30
14	244.11	244.47	244.77	245.80	246.20	246.08	245.69	245.30	245.12	244.82	244.30	244.22
15	244.08	244.45	244.81	245.78	246.18	246.06	245.68	245.28	245.25	244.79	244.30	244.24
16	244.22	244.37	244.86	245.84	246.14	246.03	245.65	245.24	245.25	244.80	244.24	244.20
17	244.32	244.34	244.91	245.83	246.18	246.03	245.61	245.23	245.23	244.75	244.19	244.14
18	244.32	244.41	244.93	245.86	246.17	246.00	245.59	245.22	245.21	244.75	244.28	244.24
19	244.32	244.32	244.91	245.88	246.19	245.97	245.60	245.19	245.21	244.73	244.25	244.31
20	244.36	244.34	244.91	245.90	246.13	245.98	245.59	245.17	245.17	244.74	244.20	244.24
21	244.29	244.32	244.93	245.93	246.11	245.97	245.58	245.17	245.16	244.75	244.22	244.17
22	244.24	244.31	244.98	245.91	246.17	245.95	245.56	245.16	245.13	244.76	244.24	244.16
23	244.37	244.42	245.04	245.93	246.11	245.94	245.55	245.16	245.05	244.71	244.28	244.17
24	244.51	244.36	245.09	245.94	246.08	245.93	245.53	245.19	245.02	244.66	244.27	244.24
25	244.45	244.41	245.02	245.98	246.14	245.89	245.57*	245.18	244.98	244.67	244.30	244.33
26	244.44	244.42	244.98	246.01	246.16	245.87	245.59	245.16	244.99	244.62	244.24	244.32
27	244.49	244.32	245.03	245.97	246.16	245.86	245.57	245.17	245.01	244.64	244.26	244.31
28	244.48	244.35	245.12	246.03	246.16	245.89	245.54	245.21	244.98	244.55	244.24	244.28
29	244.46		245.13	246.03	246.17	245.89	245.52	245.22	244.95	244.56	244.22	244.27
30	244.53		245.19	246.04	246.16	245.91	245.49	245.23	244.90	244.56	244.22	244.32
31	244.55		245.18		246.15		245.51	245.23		244.57		244.36
MEAN	244.22	244.43	244.83	245.74	246.14	246.02	245.66	245.30	245.11	244.77	244.32	244.26
MAX.	244.72	244.67	245.29	246.16	246.41	246.27	245.96	245.89	245.36	245.17	244.68	244.48
	1300/24	1100/07	0600/31	1300/28	0200/26	0600/02	0800/01	1300/07	0200/15	1600/05	1300/01	0700/13
MIN.	243.68	244.15	244.29	244.78	245.90	245.68	245.40	244.97	244.83	244.42	243.92	243.89
	1200/01	1900/21	0800/02	1000/06	0800/13	1600/27	2400/30	0900/10	0500/30	1500/28	1200/28	0600/08

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 245.07

ANNUAL SUMMARY OF LEVELS, 1979

Station 3007: Ashland Avenue, Niagara Falls, New York on Niagara River

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	323.60	Jun	317.45	Feb
Daily mean elevation:	328.95	6 Apr	315.52	25 Feb
Instant/hourly Elevation:	340.18	0800/6 Apr	315.11	0700/12 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
322.93	4 Jan
319.29	4 Feb
320.16	12 Mar
328.95	6 Apr
324.12	28 May
325.48	11 Jun
324.25	3 Jul
325.27	14 Aug
324.48	18 Sep
324.81	7 Oct
323.96	27 Nov
323.10	8 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
316.06	11 Jan
315.52	25 Feb
316.40	24 Mar
321.43	12 Apr
322.29	25 May
322.62	30 Jun
321.66	28 Jul
321.63	12 Aug
321.07	22 Sep
320.58	30 Oct
316.96	13 Nov
316.91	22 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
328.50				1									328.50	1
328.00													328.00	1
327.50													327.50	1
327.00													327.00	1
326.50													326.50	1
326.00													326.00	1
325.50													325.50	1
325.00						1		1					325.00	3
324.50				1						2			324.50	6
324.00				3	3	4	2		3	1			324.00	22
323.50				2	9	12	3	6	4	2	1		323.50	61
323.00				7	10	9	3	5	3	3	1	1	323.00	103
322.50	1			4	6	4	5	10	8	6		2	322.50	149
322.00	1			7	3		9	8	2	8	4	1	322.00	192
321.50				4			9	1	6	5		4	321.50	221
321.00	1			1					4	2		3	321.00	232
320.50										2	2	2	320.50	238
320.00	2		1								1	4	320.00	246
319.50	3		2								2	5	319.50	258
319.00	1	1	1								3		319.00	264
318.50	4	1	2								5	1	318.50	277
318.00	1	4	5								4	4	318.00	295
317.50	8	6	4								4	2	317.50	319
317.00	4	11	9								2	1	317.00	346
316.50	2	1	6								1	1	316.50	357
316.00	3	1	1										316.00	362
315.50		3											315.50	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 3007: Ashland Avenue, Niagara Falls, New York on Niagara River

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	319.30	318.28	317.29	322.33	324.09	323.57	323.16	322.58	322.55	322.48	318.79	320.81
2	320.16	318.16	317.41	321.77	322.71	323.51	324.01	322.97	322.56	322.52	320.52	318.00
3	322.35	317.68	317.46	323.11	323.43	323.44	324.25	323.35	323.41	323.39	317.57	320.46
4	322.93	319.29	317.60	322.03	323.50	323.90	323.52	322.14	323.01	322.59	317.43	322.66
5	318.81	317.92	318.04	324.28	322.84	323.75	323.71	322.73	321.99	322.22	317.36	321.70
6	316.89	317.50	318.80	328.95	322.42	323.41	323.73	323.64	322.79	323.46	318.23	321.07
7	316.47	317.50	317.49	323.07	323.42	323.48	322.33	323.42	322.61	324.81	319.04	321.17
8	317.55	317.52	317.50	322.12	322.88	323.63	322.34	323.68	321.49	322.55	320.84	323.10
9	321.29	317.87	317.53	321.51	322.98	323.55	322.71	322.08	321.75	322.36	317.95	321.41
10	317.52	317.98	317.91	322.19	323.62	323.99	322.84	323.71	323.51	322.28	319.07	320.47
11	316.06	317.70	318.74	321.52	322.95	325.48	322.76	322.33	321.47	322.94	317.58	320.88
12	316.25	317.31	320.16	321.43	323.50	324.42	322.31	321.63	321.59	323.65	318.02	319.91
13	316.57	317.28	318.15	321.71	323.67	324.25	321.71	323.55	321.65	323.73	316.96	317.90
14	318.73	317.29	319.59	322.71	323.69	323.91	321.66	325.27	323.93	322.31	318.84	319.60
15	319.57	317.16	318.18	324.17*	323.68	324.03	322.31	323.90	324.31	324.48	319.88	318.59
16	317.66	317.50	318.41	324.69*	323.74	323.54	323.29	322.61	323.58	322.57	317.91	320.07
17	318.21	318.76	316.98	324.07*	323.46	323.43	322.22	322.95	324.02	322.25	322.28	319.77
18	318.53	318.24	316.70	323.18*	323.31	324.18	322.44	322.57	324.48	321.48	318.67	319.91
19	317.69	318.22	316.94	322.51	323.20	323.58	322.25	322.21	323.59	321.60	318.98	318.17
20	317.03	317.28	316.72	322.16	323.39	322.95	322.07	323.16	322.85	322.01	320.06	317.37
21	319.97	317.44	317.35	322.44	323.76	323.72	321.69	322.21	322.63	321.66	318.29	318.11
22	319.77	317.39	316.63	322.95	323.02	323.72	321.77	322.24	321.07	321.65	319.21	316.91
23	317.95	315.56	316.51	322.78	322.92	323.18	322.43	322.44	321.86	323.30	318.97	318.07
24	317.91	315.90	316.40	323.44	322.49	323.32	321.96	322.71	322.13	324.69	319.95	318.40
25	320.13	315.52	318.34	322.46	322.29	323.50	321.99	322.58	322.96	322.27	318.18	319.57
26	318.60	316.11	319.54	323.18	323.89	323.19	322.86	322.09	323.04	321.23	322.22	321.65
27	317.35	317.00	319.43	323.84	324.04	322.84	321.87	322.71	322.76	320.89	323.96	321.96
28	317.31	317.33	317.19	323.31	324.12	322.92	321.66	322.62	322.40	322.64	322.11	322.34
29	317.83		317.48	323.37	323.95	323.12	321.91	323.12	321.62	321.54	322.27	322.58
30	317.71		317.31	323.90	323.96	322.62	322.54	323.60	321.35	320.58	323.45	321.88
31	317.42		317.92		323.24		323.02	323.08		321.66		320.46
MEAN	318.44	317.45	317.80	323.04	323.36	323.60	322.56	322.90	322.63	322.51	319.49	320.16
MAX.	324.93	321.77	321.44	340.18	328.27	328.47	328.13	328.67	328.59	328.75	331.59	327.81
	0600/04	1600/04	1200/14	0800/06	2100/03	2100/12	1900/02	1100/10	1900/14	1400/23	2200/26	0400/08
MIN.	315.11	315.15	315.26	315.16	316.10	315.85	315.27	315.27	315.21	315.30	315.25	315.19
	0700/12	0100/23	0800/24	0700/09	0100/25	0300/27	2400/10	0200/23	2400/10	0600/30	0100/13	0600/20

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 321.16

ANNUAL SUMMARY OF LEVELS, 1979

Station 3009: American Falls, Niagara Falls, New York on Niagara River

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	558.85	Nov	558.09	Feb
Daily mean elevation:	559.56	4 Jan	557.32	9 Apr
Instant/hourly Elevation:	560.28	0400/8 Dec	556.56	2100/5 Apr

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
559.56	4 Jan
558.64	24 Feb
559.07	16 Mar
558.69	27 Apr
558.67	23 May
558.99	11 Jun
558.96	2 Jul
558.90	14 Aug
558.95	14 Sep
559.06	24 Oct
559.54	27 Nov
559.24	8 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
557.75	11 Jan
557.73	13 Feb
557.89	25 Mar
557.32	9 Apr
558.38	22 May
558.47	6 Jun
558.48	9 Jul
558.48	16 Aug
558.34	11 Sep
558.45	30 Oct
558.53	10 Nov
558.51	12 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
559.40	1										2		559.40	3
559.20	1											1	559.20	5
559.00	1		2							2	4	5	559.00	19
558.80	1		1			1	3	2	3	5	5	5	558.80	45
558.60	5	1	9	2	6	16	22	16	16	22	16	18	558.60	194
558.40	6	2	17	6	23	13	6	13	10	2	3	2	558.40	297
558.20	9	6	1	8	2				1				558.20	324
558.00	4	8		9									558.00	345
557.80	1	8	1										557.80	355
557.60	2	3		1									557.60	361
557.40				2									557.40	363
557.20				2									557.20	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 3009: American Falls, Niagara Falls, New York on Niagara River

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	558.66	558.09	558.46	558.50	558.56	558.58	558.73	558.65	558.60	558.62	558.58	558.89
2	558.56	558.04	558.53	558.40	558.52	558.72	558.96	558.82	558.70	558.76	558.74	558.68
3	559.30	558.11	558.53	558.16	558.53	558.61	558.81	558.74	558.73	558.71	558.73	558.96
4	559.56	558.50	558.61	558.54	558.54	558.62	558.64	558.80	558.51	558.73	558.78	559.18
5	558.63	557.93	558.62	557.44	558.58	558.63	558.65	558.71	558.52	558.76	558.74	558.81
6	558.28	557.95	558.65	558.26	558.55	558.47	558.72	558.50	558.58	559.05	558.74	558.64
7	558.10	557.89	558.60	557.47	558.54	558.52	558.76	558.59	558.48	558.88	558.75	558.65
8	558.11	557.88	558.52	557.34	558.41	558.65	558.69	558.53	558.53	558.73	558.94	559.24
9	559.06	557.85	558.55	557.32	558.55	558.60	558.48	558.50	558.67	558.67	558.59	558.89
10	558.18	558.02	558.61	557.71	558.42	558.72	558.54	558.78	558.74	558.61	558.53	558.65
11	557.75	557.76	558.70	558.19	558.38	558.99	558.56	558.58	558.34	558.51	558.74	558.60
12	557.96	557.75	558.82	558.16	558.54	558.65	558.63	558.52	558.57	558.78	558.67	558.51
13	557.80	557.73	558.60	558.31	558.64	558.69	558.63	558.68	558.54	558.96	558.77	558.71
14	558.21	557.88	558.68	558.60	558.63	558.59	558.70	558.90	558.95	558.76	558.79	558.77
15	558.73	558.01	559.02	558.32	558.61	558.69	558.67	558.53	558.78	558.90	558.86	558.76
16	558.34	558.23	559.07	558.31	558.60	558.65	558.65	558.48	558.81	558.70	558.79	558.64
17	558.28	557.96	558.68	558.11	558.50	558.54	558.60	558.62	558.72	558.68	559.20	558.79
18	558.40	558.08	558.59	558.08	558.47	558.51	558.62	558.73	558.80	558.75	558.77	558.67
19	558.27	558.15	558.56	558.12	558.52	558.52	558.61	558.58	558.66	558.74	558.83	558.71
20	558.48	557.99	558.64	558.20	558.53	558.51	558.68	558.64	558.63	558.78	558.82	558.75
21	558.85	558.07	558.67	558.16	558.59	558.48	558.70	558.54	558.67	558.66	558.79	558.73
22	558.80	558.32	558.59	558.17	558.38	558.57	558.67	558.60	558.62	558.69	558.86	558.66
23	558.46	558.27	558.57	558.62	558.50	558.58	558.60	558.60	558.75	558.87	558.80	558.74
24	558.35	558.64	558.45	558.59	558.48	558.53	558.74	558.62	558.84	559.06	558.76	558.72
25	558.68	558.41	557.89	558.52	558.44	558.68	558.72	558.74	558.64	558.63	558.65	558.70
26	558.56	558.23	558.60	558.33	558.66	558.67	558.75	558.62	558.68	558.61	559.10	559.02
27	558.38	558.38	558.22	558.69	558.56	558.71	558.60	558.56	558.60	558.65	559.54	559.09
28	558.41	558.32	558.42	558.58	558.48	558.69	558.88	558.66	558.59	558.92	559.10	559.10
29	558.56		558.58	558.39	558.67	558.62	558.76	558.67	558.64	558.67	559.08	559.18
30	558.31		558.48	558.25	558.63	558.62	558.70	558.78	558.67	558.45	559.51	558.91
31	558.13		558.50		558.42		558.69	558.72		558.73		558.68
MEAN	558.46	558.09	558.58	558.19	558.53	558.62	558.68	558.64	558.65	558.74	558.85	558.81
MAX.	559.83	559.12	559.28	559.63	559.29	559.62	559.66	559.46	559.62	559.70	560.11	560.28
	1400/04	1500/04	2200/15	0500/06	0700/05	0500/11	0600/02	0700/14	0700/24	0600/06	1300/30	0400/08
MIN.	557.61	557.52	557.40	556.56	557.50	557.50	557.77	557.63	557.52	557.73	558.18	558.30
	1300/11	2400/12	1000/25	2100/05	2100/11	2100/06	2000/10	2100/15	2100/04	1800/26	2300/09	1700/11

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 558.57

ANNUAL SUMMARY OF LEVELS, 1979

Station 3012: Niagara Intake, Niagara Falls, New York on Niagara River

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST		
Monthly mean elevation:	561.48	Jul	560.77	Feb
Daily mean elevation:	562.53	9 Jan	560.26	12 Feb
Instant/hourly Elevation:	564.02	0800/6 Apr	558.79	2048/7 Apr

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
562.53	9 Jan
561.58	4 Feb
561.34	12 Mar
562.07	6 Apr
561.43	29 May
561.85	11 Jun
561.74	2 Jul
561.88	14 Aug
561.72	14 Sep
561.88	24 Oct
562.42	27 Nov
562.05	8 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
560.44	19 Jan
560.26	12 Feb
560.91	24 Mar
560.49	8 Apr
561.08	22 May
561.21	6 Jun
561.32	9 Jul
561.27	9 Aug
561.03	11 Sep
561.04	30 Oct
561.01	10 Nov
561.11	12 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
562.40	1										1		562.40	2
562.20	1										1		562.20	4
562.00	2			1								1	562.00	8
561.80	2			4		1		1		2	4	4	561.80	26
561.60				6			2	3	2	5		3	561.60	47
561.40	2	1		6	2	6	24	14	11	9	3	4	561.40	129
561.20	5		6	6	21	23	5	13	16	14	15	16	561.20	269
561.00	8	7	22	3	8				1	1	6	3	561.00	328
560.80	7	4	3	1									560.80	343
560.60	2	8											560.60	353
560.40	1	4		3									560.40	361
560.20		4											560.20	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 3012: Niagara Intake, Niagara Falls, New York on Niagara River

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	561.22	561.09	560.94	561.18	561.34	561.34	561.41	561.52	561.35	561.32	561.11	561.51
2	561.17	561.01	561.02	561.21	561.21	561.49	561.74	561.68	561.47	561.44	561.31	561.20
3	562.17	561.04	561.02	561.56	561.28	561.36	561.60	561.62	561.55	561.46	561.21	561.65
4	561.96	561.58	561.10	561.40	561.27	561.40	561.41	561.59	561.30	561.41	561.26	561.96
5	561.30	561.20	561.12	561.87	561.30	561.41	561.47	561.52	561.25	561.44	561.21	561.50
6	560.93	560.88	561.19	562.07	561.25	561.21	561.56	561.36	561.37	561.81	561.23	561.27
7	560.84	560.76	561.08	560.55	561.27	561.27	561.53	561.46	561.24	561.69	561.28	561.30
8	560.87	560.86	561.03	560.49	561.11	561.40	561.48	561.42	561.21	561.43	561.55	562.05
9	562.53	560.66	561.04	560.56	561.26	561.33	561.32	561.27	561.37	561.37	561.03	561.60
10	560.98	560.67	561.15	561.18	561.16	561.50	561.41	561.70	561.54	561.29	561.01	561.25
11	560.77	560.48	561.30	561.74	561.08	561.85	561.42	561.38	561.03	561.21	561.20	561.24
12	560.94	560.26	561.34	561.64	561.30	561.43	561.44	561.30	561.30	561.56	561.15	561.11
13	560.81	560.38	561.11	561.42	561.40	561.46	561.38	561.56	561.22	561.71	561.24	561.25
14	561.30	560.32	561.33	561.74	561.40	561.33	561.47	561.88	561.72*	561.44	561.34	561.40
15	561.26	560.32	561.28	561.87	561.36	561.46	561.47	561.42	561.60	561.71	561.45	561.34
16	560.65	560.66	561.33	561.55	561.37	561.39	561.51	561.35	561.60	561.38	561.34	561.28
17	561.03	560.54	561.11	561.48	561.24	561.28	561.41	561.46	561.52	561.38	561.92	561.46
18	561.06	560.48	561.07	561.46	561.20	561.30	561.42	561.54	561.64	561.40	561.28	561.28
19	560.44	560.80	561.04	561.45	561.24	561.28	561.40	561.36	561.46	561.40	561.37	561.27
20	561.19	560.60	561.14	561.61	561.27	561.26	561.47	561.50	561.38	561.44	561.40	561.29
21	562.28	561.11	561.18	561.80	561.35	561.23	561.47	561.33	561.41	561.31	561.31	561.29
22	562.07	561.06	561.07	561.87	561.08	561.30	561.44	561.38	561.28	561.36	561.43	561.18
23	561.46	560.81	561.05	561.75	561.21	561.28	561.40	561.38	561.45	561.63	561.34	561.31
24	561.39	561.06	560.91	561.37	561.17	561.24	561.52	561.39	561.57	561.88	561.34	561.28
25	561.90	560.77	561.12	561.21	561.13	561.37	561.51	561.51	561.39	561.32	561.14	561.29
26	561.50	560.67	561.33	561.27	561.43	561.32	561.59	561.34	561.43	561.25	561.91	561.74
27	561.04	560.84	561.14	561.81	561.31	561.34	561.39	561.30	561.31	561.26	562.42	561.84
28	561.05	560.74	561.02	561.30	561.23	561.33	561.66	561.39	561.28	561.65	561.84	561.89
29	561.16		561.10	561.11	561.43	561.30	561.57	561.43	561.30	561.34	561.82	561.98
30	561.01		560.98	560.98	561.39	561.25	561.54	561.58	561.34	561.04	562.36	561.64
31	560.96		561.06		561.12		561.56	561.51		561.42		561.32
MEAN	561.27	560.77	561.12	561.42	561.26	561.36	561.48	561.47	561.40	561.44	561.43	561.45
MAX.	563.10	562.21	561.64	564.02	562.30	562.53	562.51	562.82	562.46	562.71	563.17	563.53
	0056/05	1357/04	1054/14	0800/06	0705/29	0413/11	0650/02	0655/14	0707/24	0650/24	1322/30	0330/08
MIN.	560.09	560.00	560.49	558.79	560.22	560.27	560.45	560.50	560.26	560.41	560.62	560.83
	2056/19	2200/14	0320/27	2048/07	2105/08	2052/06	2110/10	2100/15	2100/13	1854/21	2218/09	1705/11

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 561.32

ANNUAL SUMMARY OF LEVELS, 1979

Station 3117: Ontario St., Buffalo, New York on Niagara River

INTERNATIONAL GREAT LAKES DATUM (1955)

HIGHEST			LOWEST		
Monthly mean elevation:	565.58	Aug	Monthly mean elevation:	564.30	Feb
Daily mean elevation:	568.24	6 Apr	Daily mean elevation:	563.74	25 Feb
Instant/hourly Elevation:	570.21	0745/6 Apr	Instant/hourly Elevation:	563.36	2014/25 Feb

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
566.67	9 Jan
564.73	6 Feb
565.28	14 Mar
568.24	6 Apr
565.57	1 May
566.00	11 Jun
565.76	2 Jul
566.14	14 Aug
565.84	18 Sep
566.04	13 Oct
566.30	30 Nov
566.02	8 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
564.49	23 Jan
563.74	25 Feb
564.36	3 Mar
564.70	1 Apr
564.96	25 May
565.29	20 Jun
565.35	23 Jul
565.34	21 Aug
564.97	11 Sep
564.62	30 Oct
564.80	21 Nov
564.84	20 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
568.20				1									568.20	1
568.00													568.00	1
567.80													567.80	1
567.60													567.60	1
567.40													567.40	1
567.20													567.20	1
567.00													567.00	1
566.80													566.80	1
566.60	1												566.60	2
566.40	1												566.40	3
566.20											1		566.20	4
566.00				1				2		1		1	566.00	9
565.80	2					1		1	1	5	2	3	565.80	24
565.60	1			5		3	4	10	6	1	3	4	565.60	61
565.40	2			8	11	17	23	13	8	6	1	3	565.40	153
565.20	1		2	8	15	9	4	5	12	13	3	7	565.20	232
565.00	4		1	3	3				2	4	13	7	565.00	269
564.80	3		5	2	2				1		6	6	564.80	294
564.60	3	4	12	2						1	1		564.60	317
564.40	3	3	7										564.40	330
564.20		10	2										564.20	342
564.00		3											564.00	345
563.80		2											563.80	347
563.60		1											563.60	348

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 3117: Ontario St., Buffalo, New York on Niagara River

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	/	564.71*	564.36	564.70	565.57	565.52	565.55	565.50	565.41	565.25	565.18	565.36
2	565.32*	564.66	564.45	564.88	565.24	565.64	565.76	565.89	565.58	565.28	565.35	565.10
3	565.98	564.60*	564.36	565.13	565.44	565.54	565.65	565.68	565.61	565.54	565.19	565.67
4	566.48	/	564.48	564.78	565.39	565.53	565.46	565.71	565.31	565.41	565.09	565.83
5	565.61	/	564.70	565.71	565.31	565.55	565.45	565.73	565.30	565.58	564.99	565.49
6	565.20	564.73*	564.73	568.24	565.21	565.37	565.56	565.52	565.56	565.90	565.09	565.35
7	565.17	564.39*	564.60	566.19	565.19	565.45	565.46	565.68	565.44	565.98	565.24	565.55
8	565.46	/	564.57	565.27	565.21	565.52	565.42	565.61	565.27	565.43	565.55	566.02
9	566.67	564.32*	564.64	565.31	565.27	565.47	565.36	565.52	565.36	565.38	564.90	565.72
10	565.89	/	564.94	565.66	565.24	565.71	565.44	566.01	565.62	565.32	565.18	565.09
11	564.85	/	/	565.20	565.21	566.00	565.49	565.42	564.97	565.32	565.14	565.20
12	564.69	563.87*	/	564.97	565.38	565.64	565.47	565.34	565.21	565.76	564.90	565.07
13	564.49	564.11*	564.75*	565.14	565.45	565.56	565.44	565.71	565.28	566.04	565.00	564.93
14	565.09	564.04	565.28	565.57	565.42	565.47	565.49	566.14	565.79	565.58	565.16	565.31
15	565.53	564.34	564.93	565.66	565.44	565.55	565.52	565.68	565.76	565.83	565.39	565.08
16	564.78	564.70	564.98	565.58	565.47	565.50	565.51	565.50	565.70	565.27	565.20	565.26
17	564.85*	564.28	564.66	565.54	565.32	565.43	565.41	565.54	565.65	565.31	565.76	565.40
18	564.93*	563.94	564.61	565.42	565.29	565.45	565.46	565.66	565.84	565.13	565.06	565.22*
19	/	564.24	564.51	565.53	565.29	565.34	565.44	565.48	565.52	565.25	564.97	564.88
20	/	564.22	564.61	565.49	565.35	565.29	565.44	565.42	565.49	565.36	565.12	564.84*
21	/	564.43	564.69	565.55	565.44	565.41	565.44*	565.34	565.48	565.32	564.80	564.95
22	/	564.29	564.62	565.63	565.08	565.51	565.39	565.36	565.09	565.23	565.07	564.97
23	564.49*	564.17*	564.57	565.52	565.15	565.54	565.35	565.46	565.16	565.92	565.02	565.03
24	/	564.32	564.55	565.35	564.99	565.38	565.47	565.53	565.34	566.00	565.17	564.96
25	565.15*	563.74	564.87	565.28	564.96	565.33	565.47	565.68	565.42	565.37	564.81	565.16
26	564.73*	564.22*	565.25	565.29	565.48	565.36	565.68	565.40	565.40	565.22	565.95	565.59
27	/	564.44*	565.15	565.78	565.42	565.43	565.39	565.39	565.29	565.06	565.98	565.65
28	/	564.24*	564.77	565.39	565.40	565.36	565.67	565.45	565.28	565.56	565.80	565.90
29	/		564.76	565.34	565.52	565.31	565.51	565.57	565.26	565.10	565.80	565.91
30	/		564.73	565.31	565.56	565.35	565.46	565.70	565.29	564.62	566.30	565.62
31	564.50*		564.85		565.39		565.58	565.49		565.04		565.28
MEAN	565.23	564.30	564.72	565.48	565.33	565.48	565.49	565.58	565.42	565.43	565.27	565.34
MAX.	566.99	565.41	565.79	570.21	565.88	566.74	566.35	567.05	566.36	566.80	567.50	567.83
	2225/09	0948/05	1040/14	0745/06	0738/30	2343/10	1256/28	1145/02	1750/14	1340/23	2100/26	0240/08
MIN.	564.33	563.36	564.12	564.09	564.58	564.87	564.96	565.01	564.60	564.08	564.45	564.59
	1800/13	2014/25	0057/01	0130/02	2215/24	2212/19	2155/23	2158/21	1955/22	2035/30	0933/21	0828/13

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 565.26

ANNUAL SUMMARY OF LEVELS, 1979

Station 3020: Buffalo Harbor, Buffalo, New York on Lake Erie

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	572.15	Jul	570.26	Feb
Daily mean elevation:	574.66	6 Apr	569.28	25 Feb
Instant/hourly Elevation:	579.21	0345/6 Apr	568.59	0500/26 Feb

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
572.52	4 Jan
571.05	4 Feb
571.68	14 Mar
574.66	6 Apr
572.25	1 May
572.49	11 Jun
572.48	2 Jul
572.62	14 Aug
572.38	18 Sep
572.60	23 Oct
572.90	30 Nov
572.42	28 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
570.06	24 Jan
569.28	25 Feb
570.34	3 Mar
570.81	1 Apr
571.47	25 May
571.91	20 Jun
572.02	23 Jul
571.67	21 Aug
571.39	11 Sep
570.79	30 Oct
570.97	21 Nov
571.05	20 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
574.50				1									574.50	1
574.25													574.25	1
574.00													574.00	1
573.75													573.75	1
573.50													573.50	1
573.25													573.25	1
573.00													573.00	1
572.75											1		572.75	2
572.50	1							3		3	1		572.50	10
572.25	1			1		5	5	4	1	4	2	6	572.25	39
572.00				4	12	19	26	10	8	4	3	3	572.00	128
571.75	1			13	15	6		10	13	6	1	4	571.75	197
571.50			2	2	2			4	5	9	7	7	571.50	235
571.25	1		3	2	2				3	3	10	6	571.25	265
571.00	3	1	7	3						1	4	5	571.00	289
570.75	6		9	4						1	1		570.75	310
570.50	7	3	6										570.50	326
570.25	8	9	4										570.25	347
570.00	3	11											570.00	361
569.75		3											569.75	364
569.50													569.50	364
569.25		1											569.25	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 3020: Buffalo Harbor, Buffalo, New York on Lake Erie

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	570.82	570.69	570.41	570.81	572.25	572.12	572.38	572.04	571.90	571.66	571.72	571.75
2	571.24	570.46	570.41	571.36	571.75	572.24	572.48	572.57	572.09	571.64	571.75	571.52
3	572.43	570.34	570.34	571.25	572.08	572.13	572.36	572.22	572.10	572.17	571.66	572.31
4	572.52	571.05	570.46	570.96	572.03	572.16	572.15	572.26	571.77	571.84	571.37	572.20
5	570.90	570.58	570.68	572.00	571.91	572.15	572.12	572.30	571.77	572.16	571.26	572.05
6	570.81	570.31	570.72	574.66	571.83	571.97	572.24	572.03	572.16	572.46	571.49	571.86
7	570.45	570.35	570.54	571.65	571.79	572.09	572.07	572.32	571.98	572.59	571.61	572.37
8	570.95	570.47	570.56	570.92	571.89	572.12	572.02	572.08	571.77	571.88	572.01	572.26
9	571.80	570.37	570.69	571.11	571.92	572.08	572.07	572.02	571.82	571.81	571.20	572.36
10	571.04	570.41	571.32	571.57	571.90	572.48	572.13	572.61	572.10	571.79	571.65	571.42
11	570.40	570.21	571.27	571.03	571.88	572.49	572.18	571.76	571.39	571.80	571.47	571.64
12	570.27	570.17	571.09	570.95	572.02	572.28	572.13	571.71	571.66	572.44	571.08	571.46
13	570.14	570.24	570.88	571.40	572.02	572.18	572.06	572.26	571.79	572.59	571.28	571.19
14	571.16	570.14	571.68	572.04	571.98	572.09	572.13	572.62	572.06	572.10	571.48	571.69
15	571.31	569.80	571.05	571.91	572.02	572.18	572.18	572.11	572.16	572.36	571.85	571.44
16	570.51	570.22	571.03	572.07	572.10	572.16	572.12	571.92	572.11	571.58	571.72	571.71
17	570.70	570.18	570.85	572.03	571.89	572.12	572.04	571.93	572.13	571.70	572.12	571.90
18	570.60	569.97	570.79	571.98	571.89	572.11	572.12	572.07	572.38	571.32	571.40	571.53
19	570.12	570.25	570.62	572.00	571.86	571.94	572.10	571.88	571.94	571.62	571.23	571.06
20	570.27	570.19	570.77	571.89	571.95	571.91	572.08	571.71	571.99	571.68	571.45	571.05
21	570.38	570.51	570.83	571.87	572.00	572.14	572.10	571.67	571.94	571.70	570.97	571.19
22	570.78	570.10	570.78	571.99	571.72	572.27	572.03	571.71	571.40	571.54	571.37	571.30
23	570.27	570.13	570.79	571.91	571.79	572.30	572.02	571.88	571.41	572.60	571.36	571.32
24	570.06*	570.18	570.90	571.89	571.50	572.10	572.17	572.00	571.70	572.48	571.59	571.19
25	571.00	569.28	571.29	571.89	571.47	571.95	572.14	572.16	571.90	571.82	571.05	571.37
26	570.60	569.90	571.60	571.91	572.22	572.00	572.37	571.83	571.83	571.60	572.72	571.88
27	570.43	570.50	571.14	572.28	572.15	572.14	572.03	571.83	571.71	571.40	572.14	571.93
28	570.58	570.32	570.85	571.98	572.14	572.03	572.30	571.88	571.76	572.01	572.40	572.42
29	570.75		571.07	571.99	572.14	572.00	572.09	572.06	571.71	571.43	572.37	572.39
30	570.61		571.06	572.07	572.12	572.09	572.03	572.13	571.73	570.79	572.90	572.06
31	570.50		571.24		572.00		572.17	571.89		571.24		571.74
MEAN	570.79	570.26	570.89	571.78	571.94	572.13	572.15	572.05	571.87	571.86	571.66	571.73
MAX.	573.22	572.04	572.55	579.21	572.97	574.48	573.66	574.45	572.99	574.24	575.00	575.58
	1000/04	1300/04	1000/14	0345/06	0300/01	2300/10	1300/28	1100/02	1200/10	1000/23	0800/28	2300/07
MIN.	569.81	568.59	570.03	569.78	570.62	571.38	571.74	571.38	571.08	570.17	570.34	570.65
	1600/13	0500/26	0100/01	1400/04	0900/25	0700/06	1100/29	0600/21	2300/10	1900/30	0800/21	0700/13

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 571.59

ANNUAL SUMMARY OF LEVELS, 1979
Station 3028: Sturgeon Point, New York on Lake Erie

INTERNATIONAL
GREAT LAKES
DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	572.10	Jul	570.20	Feb
Daily mean elevation:	574.23	6 Apr	569.34	25 Feb
Instant/hourly Elevation:	578.06	0400/6 Apr	568.65	0500/26 Feb

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
572.31	4 Jan
570.64	1 Feb
571.67	14 Mar
574.23	6 Apr
572.19	26 May
572.25	23 Jun
572.45	2 Jul
572.50	10 Aug
572.29	18 Sep
572.52	13 Oct
572.66	30 Nov
572.31	28 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
570.15	19 Jan
569.34	25 Feb
570.33	3 Mar
570.88	1 Apr
571.54	25 May
571.90	20 Jun
571.97	30 Jul
571.65	21 Aug
571.41	11 Sep
570.84	30 Oct
570.98	21 Nov
571.05	20 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
574.20				1									574.20	1
574.00													574.00	1
573.80													573.80	1
573.60													573.60	1
573.40													573.40	1
573.20													573.20	1
573.00													573.00	1
572.80													572.80	1
572.60											1		572.60	2
572.40							1	3		3	1		572.40	10
572.20	1					3	4	3	1	4	2	3	572.20	31
572.00	1			4	8	8	22	9	8	3		4	572.00	98
571.80				14	17	6	4	9	6	3	3	5	571.80	165
571.60	1		1	1	5			7	12	10	5	5	571.60	212
571.40			1	2	1				3	5	6	5	571.40	235
571.20	3		4	2						2	8	6	571.20	260
571.00	3		6	3							3	3	571.00	278
570.80	2		6	3						1	1		570.80	291
570.60	6	1	7										570.60	305
570.40	8	3	4										570.40	320
570.20	4	9	2										570.20	335
570.00	2	7											570.00	344
569.80		3											569.80	347
569.60													569.60	347
569.40													569.40	347
569.20		1											569.20	348

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 3028: Sturgeon Point, New York on Lake Erie

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	570.75	570.64*	570.41	570.88	572.17	572.10	572.33	571.99	571.87	571.65	571.65	571.68
2	571.24	/	570.40	571.35	571.76	572.23	572.45	572.42	572.04	571.64	571.69	571.53
3	572.11	/	570.33	571.26	572.00	572.11*	572.32	572.16	572.05	572.08	571.60	572.14
4	572.31	/	570.44	570.99	571.98	/	572.13	572.21	571.77	571.79	571.35	572.07
5	570.84	/	570.67	571.91	571.90	/	572.10	572.22	571.75	572.13	571.24	571.90
6	570.84	570.27*	570.69	574.23	571.83	/	572.19	572.02	572.09	572.30	571.44	571.78
7	570.51	570.34	570.55	571.63	571.80	/	572.05	572.25	571.98	572.46	571.59	572.20
8	571.01	570.45	570.55	570.92	571.88	/	572.02	572.05	571.78	571.85	571.84	572.21
9	571.71	570.35	570.69	571.19	571.90	/	572.01	571.97	571.79	571.79	571.20	572.19
10	571.06	570.39	571.29	571.58	571.89	/	572.08	572.50	572.05	571.75	571.61	571.39
11	570.43	570.21	571.24	571.08	571.87	/	572.15	571.78	571.41	571.79	571.47	571.56
12	570.32	570.17	571.05	571.07	571.99	/	572.10	571.71	571.63	572.35	571.10	571.45
13	570.20	570.24	570.86	571.44	572.00	/	572.03	572.16	571.74	572.52	571.30	571.22
14	571.24	570.15	571.67	572.00	571.96	/	572.09	572.49	572.06	572.07	571.47	571.67
15	571.32	569.85	571.04	571.92	572.02	/	572.13	572.07	572.13	572.26	571.76	571.39
16	570.53	570.22	571.05*	572.07	572.06	/	572.11	571.89	572.05	571.59	571.63	571.68
17	570.76	570.18	570.85	572.03	571.88	572.09*	572.03	571.88	572.07	571.68	571.86	571.84
18	570.62	569.99	570.74	572.00	571.89	572.11	572.06	572.01	572.29	571.34	571.38	571.50
19	570.15	570.24	570.63	571.98	571.84	571.95	572.03	571.84	571.96	571.57	571.26	571.08
20	570.31	570.18	570.84*	571.90	571.91	571.90	572.03*	571.69	571.95	571.64	571.39	571.05
21	570.43	570.49	570.84	571.89	571.98	572.10	572.04	571.65	571.91	571.66	570.98	571.18
22	570.78	570.10	570.77	571.98	571.74	572.22	571.98	571.69	571.44	571.52	571.34	571.28
23	570.28	570.12	570.78	571.91	571.79	572.25	571.98	571.82	571.44	572.48	571.32	571.31
24	570.26	570.17	570.90	571.87	571.61	572.08	572.10	571.95	571.70	572.37	571.54	571.21
25	571.01	569.34	571.28	571.87	571.54	571.94	572.07	572.11	571.86	571.83	571.07	571.48
26	570.59	569.91	571.60	571.92	572.19	571.98	572.28	571.80	571.80	571.61	572.48	571.88
27	570.43	570.47	571.16	572.18	572.13	572.08	572.00	571.80	571.69	571.41	571.94	571.91
28	570.56	570.31	570.89	571.98	572.13	571.98	572.21	571.86	571.73	571.94	572.26	572.31
29	570.73		571.08	571.94	572.13	571.93	572.06	572.01	571.70	571.43	572.30	572.24
30	570.62		571.08	572.10	572.12	572.09	571.97	572.09	571.72	570.84	572.66	572.00
31	570.49		571.26		572.00		572.11	571.87		571.23		571.75
MEAN	570.79	570.20	570.89	571.77	571.93	572.07	572.10	572.00	571.85	571.82	571.59	571.68
MAX.	573.28	571.39	572.39	578.06	572.82	572.97	573.28	574.15	572.95	573.78	574.13	574.87
	2300/02	2000/21	1000/14	0400/06	0200/01	0300/21	1300/28	1100/02	1700/14	1000/23	0800/30	2400/07
MIN.	569.85	568.65	570.06	570.02	570.80	571.54	571.73	571.40	571.10	570.31	570.42	570.75
	1900/19	0500/26	2300/02	1400/04	1000/25	0800/21	2200/28	1800/20	1100/11	2000/30	0600/21	0700/13

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 571.56

ANNUAL SUMMARY OF LEVELS, 1979
Station 3032: Barcelona, New York on Lake Erie

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST		
Monthly mean elevation:	572.04	Jul	570.56	Feb
Daily mean elevation:	572.33	10 Aug	570.21	24 Jan
Instant/hourly Elevation:	573.27	1100/2 Aug	570.10	2100/19 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
571.56	4 Jan
570.78	5 Feb
	Mar
	Apr
	May
	Jun
572.18	26 Jul
572.33	10 Aug
572.20	18 Sep
572.31	13 Oct
572.10	30 Nov
571.79	9 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
570.21	24 Jan
570.39	3 Feb
	Mar
	Apr
	May
	Jun
571.95	23 Jul
571.67	21 Aug
571.48	11 Sep
570.94	30 Oct
570.94	21 Nov
571.11	13 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
572.20								3		2		
572.00							10	7	7	4	3	
571.80							5	17	11	5	1	
571.60								4	9	10	1	5
571.40	2								3	4	9	9
571.20										3	12	3
571.00	1									1	2	2
570.80	3									1	1	
570.60	8	1										
570.40	10	3										
570.20	7	1										

Elev. (ft.)	No. of days above elev.
572.20	5
572.00	36
571.80	75
571.60	104
571.40	131
571.20	149
571.00	155
570.80	160
570.60	169
570.40	182
570.20	190

INTERNATIONAL
GREAT LAKES
DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 3032: Barcelona, New York on Lake Erie

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	570.54	570.57	/	/	/	/	/	571.98	571.86	571.70	571.40	571.56
2	570.82	570.49	/	/	/	/	/	572.28	571.99	571.67	571.48	571.54
3	571.43	570.39	/	/	/	/	/	572.13	572.02	571.91	571.52	571.74
4	571.56	570.59	/	/	/	/	/	572.14	571.82	571.79	571.24	571.74
5	570.72*	570.78*	/	/	/	/	/	572.15	571.79	571.98	571.25	571.64
6	570.72	/	/	/	/	/	/	572.04	572.02	572.07	571.32	571.40
7	570.55	/	/	/	/	/	/	572.13	572.01	572.21	571.52	571.59
8	570.69	/	/	/	/	/	/	572.00	571.81	571.83	571.54	571.75
9	571.10	/	/	/	/	/	/	571.97	571.83	571.76	571.19	571.79
10	570.81	/	/	/	/	/	/	572.33	571.94	571.71	571.50	571.24
11	570.48	/	/	/	/	/	/	571.83	571.48	571.78	571.38	571.43
12	570.37	/	/	/	/	/	/	571.73	571.62	572.03	/	571.41
13	570.24	/	/	/	/	/	/	571.99	571.71	572.31	571.28*	571.11
14	570.62	/	/	/	/	/	/	572.30	571.99	571.95	571.45	571.42
15	570.94	/	/	/	/	/	/	572.05	572.09	572.02	571.58	571.28
16	570.49	/	/	/	/	/	/	571.86	572.09	571.63	571.40	571.45
17	570.42	/	/	/	/	/	572.08*	571.87	572.06	/	571.52	571.55
18	570.51	/	/	/	/	/	572.05	571.97	572.20	571.35*	571.26	571.47
19	570.25	/	/	/	/	/	572.04	571.84	571.98	571.50	571.23	571.16
20	570.26	/	/	/	/	/	572.03	571.71	571.95	571.59	571.31	/
21	570.24	/	/	/	/	/	572.00	571.67	571.94	571.63	570.94	/
22	570.55	/	/	/	/	/	571.96	571.71	571.53	571.54	571.26	/
23	570.31	/	/	/	/	/	571.95	571.81	571.52	571.99	571.30	/
24	570.21	/	/	/	/	/	572.07	571.91	571.65	572.06	571.47	/
25	570.64	/	/	/	/	/	572.06	571.99	571.78*	571.76	571.08	/
26	570.63	/	/	/	/	/	572.18	571.82	571.81*	571.58	572.01	/
27	570.49	/	/	/	/	/	571.99	571.82	571.73	571.40	571.70	/
28	570.48	/	/	/	/	/	572.12	571.86	571.73	571.76	571.92	/
29	570.62		/	/	/	/	572.03	571.96	571.72	571.40	572.03	/
30	570.62		/	/	/	/	571.96	572.04	571.74	570.94	572.10	/
31	570.49		/		/		572.06	571.87		571.11		/
MEAN	570.61	570.56	/	/	/	/	572.04	571.96	571.85	571.73	571.45	571.49
MAX.	571.78	570.78					572.69	573.27	572.47	572.69	572.90	572.43
	0900/04	0200/05					1500/28	1100/02	2000/14	0400/13	1700/26	0400/08
MIN.	570.10	570.38					571.73	571.53	571.31	570.53	570.61	570.89
	2100/19	0400/04					0100/30	1000/21	1100/11	2000/30	0900/21	2200/19

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 571.46

ANNUAL SUMMARY OF LEVELS, 1979
Station 3038: Erie, Pennsylvania on Lake Erie

INTERNATIONAL GREAT LAKES DATUM (1955)

HIGHEST			LOWEST		
Monthly mean elevation:	572.16	Jun	Monthly mean elevation:	570.30	Feb
Daily mean elevation:	574.01	6 Apr	Daily mean elevation:	569.72	25 Feb
Instant/hourly Elevation:	575.90	0535/6 Apr	Instant/hourly Elevation:	569.33	2128/25 Feb

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
571.57	4 Jan
570.92	4 Feb
571.50	14 Mar
574.01	6 Apr
572.24	26 May
572.42	11 Jun
572.38	2 Jul
572.38	14 Aug
572.11	15 Sep
572.32	7 Oct
572.56	26 Nov
572.05	28 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
570.25	19 Jan
569.72	25 Feb
570.36	4 Mar
571.07	1 Apr
571.82	2 May
572.02	26 Jun
571.99	23 Jul
571.78	20 Aug
571.61	11 Sep
571.11	30 Oct
571.25	21 Nov
571.16	20 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
574.00				1									574.00	1
573.80													573.80	1
573.60													573.60	1
573.40													573.40	1
573.20													573.20	1
573.00													573.00	1
572.80													572.80	1
572.60													572.60	1
572.40						2					1		572.40	4
572.20					1	4	7	6		2			572.20	24
572.00				10	14	24	23	11	8	6	3	1	572.00	124
571.80				7	16		1	12	15	7	1	7	571.80	190
571.60				1				2	5	10	3	6	571.60	217
571.40	1		1	4						4	8	6	571.40	241
571.20	1		4	4						1	8	9	571.20	268
571.00	2		6	3						1		1	571.00	281
570.80	4	1	10										570.80	296
570.60	6		6										570.60	308
570.40	10	5	2										570.40	325
570.20	6	16	2										570.20	349
570.00		4											570.00	353
569.80		1											569.80	354
569.60		1											569.60	355

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 3038: Erie, Pennsylvania on Lake Erie

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	570.70	570.59	570.47	571.07	572.08	572.18	572.32	572.10	571.98	571.81	571.52	571.57
2	571.10	570.42	570.41	571.32	571.82	572.22	572.38	572.34	572.08	571.82	571.61	/
3	571.36	570.39	570.37	571.25	571.97	572.16	572.22	572.19	572.06	572.06	571.62	571.90*
4	571.57*	570.92	570.36	571.10	571.96	572.19	572.14	572.22	571.90	571.85	571.40	571.78
5	/	570.48	570.65	571.60	571.89	572.20	572.19	572.21	571.92	572.13	571.29	571.59
6	570.75*	570.35	570.72	574.01*	571.92	572.09	572.17	572.15	572.11	572.08	571.43	571.64
7	570.57	570.40	570.65	571.44*	571.87	572.17	572.08	572.23	572.06	572.32	571.58	571.82
8	570.86	570.40	570.69	571.09	571.92	572.19	572.04	572.10	571.99	571.86	571.57	572.00
9	571.05	570.37	570.78	571.48	571.96	572.21	572.09	572.08	571.95	571.87	571.27	571.79
10	570.73	570.38	571.19	571.61	571.99	572.41	572.17	572.36	572.01	571.74	571.54	571.35
11	570.49	570.25	571.21	571.31	571.99	572.42	572.20	572.01	571.61	571.73	571.48	571.40
12	570.40	570.25	571.00	571.29	572.03	572.25	572.20	571.94	571.74	572.12	571.28*	571.42
13	570.36	570.29	570.87	571.52	572.05	572.15	572.18	572.17	571.76	572.28	571.35*	571.35
14	570.93	570.23	571.50	571.93	572.04	572.13	572.21	572.38	572.11	571.97	/	571.57
15	570.83	569.98	571.06	571.89	572.01	572.16	572.25	572.10	572.11	571.98	/	571.34
16	570.48	570.28	571.04	572.02	572.09	572.14	572.23	571.89	571.99*	571.63	571.89*	571.56
17	570.67	570.23	570.92	572.01	572.00	572.15	572.15	571.84	/	571.70*	571.60*	571.78
18	570.55	570.12	570.88	572.02	572.01	572.17	572.14	571.91	572.10*	571.51	/	571.47
19	570.25	570.28	570.76	572.01	571.96	572.05	572.09	571.86	571.98	571.64	/	571.22
20	570.38	570.22	570.87	571.99	572.01	572.03	572.07	571.78	571.94	571.64	/	571.16
21	570.48	570.48	570.92	572.00	572.05	572.09	572.05	571.79	571.92	571.67	571.25*	571.22
22	570.65	570.15	570.88	572.02	571.91	572.20	572.01	571.82	571.70*	571.59	571.34	571.31
23	570.33	570.19	570.88	572.01	571.89	572.24	571.99	571.89	/	572.15	571.36	571.35
24	570.36	570.24	570.99	571.98	571.84	572.12	572.09	571.99	571.88*	572.08	571.51	571.34
25	570.92	569.72	571.22	571.98	571.86	572.04	572.06	572.08	571.88	571.80	/	571.71
26	570.55	570.13	571.40	571.99	572.24	572.02	572.22	571.91	571.85	571.66	572.56*	571.91
27	570.44	570.43	571.16	572.10	572.17	572.06	572.05	571.94	571.78	571.44	571.71	571.91
28	570.55	570.35	570.95	572.04	572.19	572.06	572.14	571.98	571.82	571.74	572.07	572.05
29	570.65		571.11	572.02	572.20	572.05	572.09	572.04	571.82	571.50	572.03	571.97
30	570.56		571.13	572.12	572.18	572.15	572.08	572.09	571.84	571.11	572.15	571.90
31	570.50		571.25		572.13		572.14	571.97		571.34		571.80
MEAN	570.67	570.30	570.91	571.81	572.01	572.16	572.14	572.04	571.92	571.80	571.60	571.61
MAX.	572.41	571.50	571.99	575.90	572.58	573.46	572.69	573.21	572.84	573.13	573.10	573.83
	2145/02	1035/04	2012/14	0535/06	0150/01	2350/10	1415/28	0935/02	1655/14	1100/23	1622/26	0030/08
MIN.	569.99	569.33	570.16	570.36	571.41	571.52	571.74	571.48	571.42	570.75	570.81	570.86
	2000/19	2128/25	0258/04	1155/04	0745/25	0525/21	2030/28	1830/20	2105/10	2000/30	0715/02	2152/05

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 571.58

ANNUAL SUMMARY OF LEVELS, 1979
Station 3053: Fairport Harbor, Ohio on Lake Erie

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST		
Monthly mean elevation:	572.22	Jun	570.44	Feb
Daily mean elevation:	572.40	25 May	570.26	21 Feb
Instant/hourly Elevation:	573.01	0955/14 Sep	570.05	1915/21 Feb

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
570.77	2 Jan
570.61	26 Feb
571.25	31 Mar
572.13	30 Apr
572.40	25 May
572.31	1 Jun
572.30	4 Jul
572.24	5 Aug
572.26	14 Sep
571.94	7 Oct
571.57	29 Nov
571.94	25 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
570.32	9 Jan
570.26	21 Feb
570.50	1 Mar
571.32	1 Apr
572.00	23 May
572.10	27 Jun
572.10	25 Jul
571.93	18 Aug
571.87	28 Sep
571.44	31 Oct
571.19	17 Nov
571.29	5 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
572.20					7	18	15	7	1				572.20	48
572.00				14	23	12	16	15	13				572.00	141
571.80				5	1			9	16	5		6	571.80	183
571.60				3						18		2	571.60	206
571.40				3						8	15	10	571.40	242
571.20			1	5							14	13	571.20	275
571.00			11								1		571.00	287
570.80			13										570.80	300
570.60	6	1	2										570.60	309
570.40	24	21	4										570.40	358
570.20	1	6											570.20	365

INTERNATIONAL
GREAT LAKES
DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 3053: Fairport Harbor, Ohio on Lake Erie

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	570.68	570.46	570.50	571.32	572.02	572.31	572.27	572.16	572.05	571.81	571.40	571.54
2	570.77	570.49	570.53	571.34	572.05	572.29	572.26	572.22	572.06	571.80	571.40	571.64
3	570.55	570.50	570.56	571.35	572.04	572.27	572.26	572.22	572.08	571.76	571.44	571.39
4	570.44	570.48	570.57	571.44	572.08	572.25	572.30	572.21	572.12	571.78	571.43	571.40
5	570.62	570.50	570.71	571.38	572.04	572.26	572.28	572.24	572.08	571.87	571.36	571.29
6	570.59	570.46	570.74	571.35	572.08	572.28	572.20	572.23	572.04	571.66	571.42	571.43
7	570.65	570.52	570.84	571.47	572.10	572.26	572.22	572.16	572.13	571.94	571.41	571.37
8	570.58	570.45	570.88	571.54	572.06	572.26	572.19	572.23	572.08	571.75	571.22	571.53
9	570.32	570.46	570.87	571.82	572.07	572.26	572.19	572.18	571.98	571.85	571.38	571.32
10	570.50	570.43	570.93	571.64	572.07	572.27	572.23	572.13	571.87	571.79	571.43	571.39
11	570.57	570.43	570.93	571.70	572.07	572.28	572.22	572.22	571.97	571.67	571.48	571.31
12	570.58	570.44	570.86*	571.77	572.11	572.24	572.25	572.17	571.91	571.80	571.44	571.45
13	570.62	570.41	570.89	571.81	572.04	572.23	572.26	572.04	571.89	571.86	571.48	571.48
14	570.61	570.41	571.01	571.86	572.13	572.22	572.25	572.12	572.26	571.75	571.45	571.47
15	570.43	570.52	571.00	571.94	572.13	572.19	572.22	572.08	572.13	571.58	571.31	571.35
16	570.56	570.42	570.93	571.96	572.10	572.17	572.26	571.98	572.06	571.67	571.36	571.45
17	570.56	570.39	570.99	572.02	572.09	572.19	572.27	571.93	572.01	571.66	571.19	571.48
18	570.53	570.42	571.00	572.05	572.07	572.21	572.25	571.93	572.00	571.71	571.35	571.34
19	570.57	570.34	571.02	572.05	572.06	572.14	572.19	572.00	572.05	571.64	571.34	571.40
20	570.56	570.33	571.00	572.08	572.04	572.16	572.16	571.97	571.95	571.63	571.31	571.39
21	570.59	570.26	571.02	572.09	572.04	572.16	572.14	571.97	571.98	571.62	571.37	571.30
22	570.47	570.35	571.03	572.08	572.01	572.23	572.14	571.97	572.10	571.64	571.33	571.35
23	570.48	570.36	570.98	572.09	572.00	572.24	572.14	571.96	571.98	571.56	571.43	571.41
24	570.58	570.42	571.07	572.09	572.13	572.20	572.13	572.03	571.92	571.65	571.47	571.50
25	570.59	570.57	571.08	572.07	572.40	572.17	572.10	571.98	571.88	571.66	571.50	571.94
26	570.54	570.61	571.14	572.09	572.26	572.13	572.16	572.02	571.89	571.58	571.31	571.85
27	570.54	570.47	571.10	572.03	572.26	572.10	572.12	572.04	571.88	571.44	571.36	571.86
28	570.54	570.49	571.10	572.12	572.30	572.13	572.18	572.04	571.87	571.48	571.56	571.80
29	570.49		571.13	572.09	572.30	572.14	572.18	572.03	571.89	571.50	571.57	571.82
30	570.49		571.19	572.13	572.28	572.25	572.15	572.04	571.89	571.51	571.48	571.82
31	570.54		571.25		572.32		572.12	572.05		571.44		571.88
MEAN	570.55	570.44	570.93	571.83	572.12	572.22	572.20	572.08	572.00	571.68	571.40	571.51
MAX.	571.11	571.10	571.85	572.97	572.71	572.81	572.57	572.69	573.01	572.66	572.34	572.41
	1720/02	0440/26	1844/14	0050/06	2320/25	2137/20	1007/28	1515/05	0955/14	1730/10	0543/28	1610/25
MIN.	570.11	570.05	570.33	570.14	571.68	571.64	571.72	571.67	571.51	570.98	570.83	570.81
	0313/09	1915/21	2344/01	0515/06	1100/13	0230/21	1340/28	2210/28	1407/10	1012/23	2002/26	0204/08

ANNUAL MEAN: 571.58

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

ANNUAL SUMMARY OF LEVELS, 1979
Station 3063: Cleveland, Ohio on Lake Erie

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	572.20	Jun	570.43	Feb
Daily mean elevation:	572.63	25 May	570.05	9 Jan
Instant/hourly Elevation:	573.40	0100/6 Apr	569.71	0300/4 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
570.65	1 Jan
570.92	25 Feb
571.18	31 Mar
572.13	28 Apr
572.63	25 May
572.29	6 Jun
572.26	17 Jul
572.29	11 Aug
572.26	14 Sep
571.95	7 Oct
571.60	25 Nov
571.99	25 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
570.05	9 Jan
570.13	21 Feb
570.48	1 Mar
571.06	6 Apr
572.00	1 May
572.05	27 Jun
572.02	24 Jul
571.87	18 Aug
571.81	10 Sep
571.26	23 Oct
570.99	26 Nov
571.08	9 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
572.60					1								572.60	1
572.40													572.40	1
572.20					7	15	11	3	1				572.20	38
572.00				13	22	15	20	18	15				572.00	141
571.80				6	1			10	14	8		3	571.80	183
571.60				4						12		5	571.60	204
571.40				2						9	11	9	571.40	235
571.20				4						2	14	9	571.20	264
571.00			12	1							4	5	571.00	286
570.80		1	11								1		570.80	299
570.60	5	2	4										570.60	310
570.40	18	14	4										570.40	346
570.20	4	10											570.20	360
570.00	4	1											570.00	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 3063: Cleveland, Ohio on Lake Erie

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	570.65	570.38	570.48	571.37	572.00	572.28	572.22	572.18	572.03	571.88	571.28	571.50
2	570.62	570.45	570.52	571.31	572.11	572.20	572.25	572.14	572.01	571.92	571.35	571.66
3	570.11	570.50	570.56	571.35	572.01	572.23	572.22	572.18	572.03	571.82	571.37	571.19
4	570.09	570.22	570.59	571.57	572.06	572.22	572.26	572.17	572.15	571.94	571.42	571.25
5	570.56	570.41	570.67	571.32	572.05	572.24	572.24	572.17	572.13	571.89	571.37	571.08
6	570.47	570.43	570.70	571.06	572.05	572.29	572.16	572.25	572.04	571.60	571.39	571.32
7	570.63	570.48	570.85	571.45	572.08	572.24	572.20	572.08	572.18	571.95	571.38	571.10
8	570.40	570.42	570.91	571.62	572.03	572.24	572.19	572.21	572.12	571.80	571.04	571.50
9	570.05	570.41	570.89	571.88	572.03	572.25	572.16	572.16	572.00	571.92	571.39	571.08
10	570.39	570.37	570.79	571.62	572.03	572.24	572.19	572.06	571.81	571.90	571.41	571.30
11	570.53	570.44	570.86	571.80	572.04	572.25	572.18	572.29	572.06	571.67	571.47	571.20
12	570.57	570.48	570.82	571.91	572.05	572.23	572.21	572.20	571.93	571.72	571.49	571.43
13	570.61	570.40	570.79	571.86	572.05	572.21	572.24	571.96	571.85	571.78	571.48	571.51
14	570.48	570.42	570.92	571.79	572.05	572.18	572.22	572.05	572.26	571.70	571.41	571.42
15	570.20	570.61	571.06	571.94	572.07	572.15	572.18	572.09	572.14	571.45	571.14	571.27
16	570.51	570.40	570.86	571.93	572.06	572.15	572.25	571.98	572.09	571.67	571.34	571.46
17	570.48	570.40	570.96	571.99	572.07	572.17	572.26	571.89	572.03	571.65	571.08	571.41
18	570.55	570.45	571.00	572.02	572.06	572.20	572.25	571.87	571.98	571.77	571.26	571.24
19	570.59	570.30	571.06	572.03	572.07	572.18	572.19	571.98	572.10	571.61	571.28	571.40
20	570.54	570.31	571.06	572.06	572.05	572.16	572.16	572.02	571.93	571.59	571.28	571.42
21	570.61	570.13	571.01	572.07	572.06	572.22	572.13	572.01	571.97	571.60	571.41	571.28
22	570.33	570.36	571.05	572.06	572.06	572.20	572.13	571.98	572.18	571.63	571.31	571.32
23	570.44	570.34	570.96	572.07	572.05	572.22	572.10	571.94	572.04	571.26	571.42	571.38
24	570.57	570.49	571.05	572.08	572.24	572.19	572.02	571.98	571.91	571.58	571.45	571.55
25	570.53	570.92	570.98	572.07	572.63	572.20	572.03	571.92	571.85	571.66	571.60	571.99
26	570.47	570.68	571.07	572.06	572.30	572.12	572.11	572.03	571.87	571.59	570.99	571.80
27	570.51	570.43	571.07	572.04	572.24	572.05	572.13	572.03	571.87	571.39	571.22	571.83
28	570.49	570.50	571.06	572.13	572.28	572.16	572.14	572.01	571.87	571.44	571.43	571.69
29	570.39		571.11	572.07	572.26	572.13	572.14	571.99	571.90	571.50	571.35	571.74
30	570.42		571.16	572.08	572.26	572.21	572.11	572.02	571.85	571.63	571.20	571.77
31	570.48		571.18		572.33		572.09	572.07		571.46		571.87
MEAN	570.46	570.43	570.90	571.82	572.12	572.20	572.17	572.06	572.01	571.68	571.33	571.45
MAX.	571.03	571.18	571.89	573.40	572.95	572.85	572.49	573.00	572.96	572.40	572.09	572.58
	1400/01	2100/25	2000/04	0100/06	2200/25	2100/20	2400/04	1500/05	1000/14	1900/10	2300/06	1700/25
MIN.	569.71	569.77	570.24	569.79	571.77	571.69	571.75	571.60	571.43	570.49	570.32	570.53
	0300/04	2000/21	0100/02	0500/06	2400/14	2300/20	1400/28	0300/18	1100/10	1200/23	1600/26	2000/09

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 571.55

ANNUAL SUMMARY OF LEVELS, 1979
Station 3079: Marblehead, Ohio on Lake Erie

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	572.20	Jun	570.27	Jan
Daily mean elevation:	573.00	25 May	567.60	6 Apr
Instant/hourly Elevation:	573.57	0707/25 May	566.26	0736/6 Apr

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
570.74	19 Jan
571.14	25 Feb
571.24	19 Mar
571.80	4 Apr
573.00	25 May
572.43	6 Jun
572.40	4 Jul
572.46	11 Aug
572.48	22 Sep
571.98	2 Oct
571.74	25 Nov
571.91	31 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
569.28	4 Jan
569.67	4 Feb
570.25	14 Mar
567.60	6 Apr
571.97	1 May
571.96	10 Jun
571.94	24 Jul
571.66	14 Aug
571.69	10 Sep
570.60	23 Oct
570.45	26 Nov
570.69	7 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
572.80					1								572.80	1
572.60													572.60	1
572.40					2	1		1	1				572.40	6
572.20					7	16	12	5	3				572.20	49
572.00					20	12	16	13	10				572.00	120
571.80					1	1	3	9	14	6		2	571.80	156
571.60				1				3	2	9	2	5	571.60	178
571.40				1						9	5	7	571.40	200
571.20			1	1						4	9	5	571.20	220
571.00		1	11	1						2	7	5	571.00	247
570.80			4	1							3	5	570.80	260
570.60	3	2	10								2	2	570.60	279
570.40	12	14	3							1	2		570.40	311
570.20	5	9	2										570.20	327
570.00	5	1											570.00	333
569.80	3												569.80	336
569.60	1	1											569.60	338
569.40													569.40	338
569.20	2												569.20	340
569.00													569.00	340
568.80													568.80	340
568.60													568.60	340
568.40													568.40	340
568.20													568.20	340
568.00													568.00	340
567.80													567.80	340
567.60													567.60	340
567.40				1									567.40	341

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 3079: Marblehead, Ohio on Lake Erie

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	570.54	570.29	570.50	571.55	571.97	572.31	572.04	572.26	572.07	571.95	571.14	571.42
2	570.06	570.46	570.57	571.19	572.25	572.23	572.14	572.04	571.92	571.98	571.18	571.57
3	569.36	570.51	570.66	571.32	572.03	572.27	572.19	572.18	572.04	571.67	571.18	570.94
4	569.28	569.67	570.70	571.80	572.11	572.22	572.40	572.16	572.26	571.95	571.42	570.96
5	570.41	570.23	570.65	570.95	572.18	572.24	572.28	572.12	572.24	571.62	571.43	570.87
6	570.34	570.48	570.68	567.60*	572.09	572.43	572.16	572.29	571.99	571.40	571.24	571.18
7	570.56	570.38	570.91	/	572.15	572.26	572.23	572.02	572.15	571.48	571.18	570.69
8	570.15	570.30	570.98	/	572.07	572.26	572.27	572.24	572.17	571.80	570.78	570.91
9	569.62	570.36*	570.91	/	572.06	572.30*	572.23	572.23	572.02	571.82	571.48	570.79
10	570.16	570.28	570.39	/	572.07	571.96	572.20*	571.83	571.69	571.75	571.29	571.29
11	570.51	570.50	570.50	/	572.08	572.12	572.20	572.46	572.18	571.66	571.39	571.16
12	570.57	570.52	570.77	/	572.07	572.22	572.27	572.34	571.97	571.27	571.62	571.41
13	570.66	570.41	570.79	/	572.14	572.26	572.30	571.80	571.83	571.12	571.44	571.54
14	569.98	570.48	570.25	/	572.06	572.21	572.23	571.66	572.14	571.49	571.25	571.20
15	569.82	570.70	570.77	/	572.09	572.14	572.18	572.01	572.07	571.21	570.86	571.28
16	570.43	570.35	570.73	/	572.10	572.17	572.29	572.00	572.06	571.65	571.17	571.13
17	570.18	570.43	570.98	/	572.15	572.18	572.35	571.83	571.97	571.62	570.84	570.92
18	570.40	570.52	571.07	/	572.10	572.20	572.25	571.75	571.77	571.88	571.17	571.12
19	570.74	570.31	571.24	/	572.13	572.25	572.21	571.99	572.13	571.61	571.29	571.37
20	570.59	570.36	571.13	/	572.10	572.16	572.17	572.12	571.91	571.59	571.25	571.62
21	570.54	570.01	571.04	/	572.14	572.10	572.14	572.13	572.00	571.56	571.59	571.40
22	570.05	570.45	571.13	/	572.25	572.16	572.17	572.06	572.48	571.67	571.30	571.40
23	570.52	570.42	571.11	/	572.19	572.22	572.14	571.98	572.26	570.60	571.38	571.41
24	570.61	570.53	571.01	/	572.51	572.27	571.94	571.92	571.97	571.04	571.33	571.64*
25	569.97	571.14	570.72	/	573.00	572.29	571.98	571.83	571.84	571.46	571.74	571.91*
26	570.40	570.67	570.75	/	572.23	572.16	572.01	572.08	571.86	571.49	570.45	571.64
27	570.54	570.41	571.03	/	572.21	572.03	572.16	572.07	571.91	571.43	571.08	571.78
28	570.41	570.55	571.17	/	572.26	572.17	571.99	572.02	571.87	571.21	570.88	571.51
29	570.21		571.11	/	572.26	572.21	572.18	571.92	571.91	571.50	570.75	571.58
30	570.28		571.18	/	572.34	572.09	572.14	571.94	571.86	571.97	570.53	571.75
31	570.43		571.20		572.43		572.01	572.16		571.57		571.91
MEAN	570.27	570.42	570.86	570.74	572.19	572.20	572.18	572.05	572.02	571.55	571.19	571.33
MAX.	571.26	571.47	571.62	572.63	573.57	572.74	572.78	572.78	572.93	572.42	572.26	572.36
	1235/01	1400/25	1008/19	1500/04	0707/25	2330/22	0700/04	0815/11	0845/14	1900/30	2052/25	1555/25
MIN.	568.63	569.10	569.55	566.26	571.67	570.98	571.59	571.02	571.17	569.51	569.02	569.36
	2345/02	1300/04	1000/14	0736/06	1850/03	2145/11	1140/28	0840/10	1325/10	1400/23	1650/26	0125/08

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 571.42

ANNUAL SUMMARY OF LEVELS, 1979
Station 3085: Toledo, Ohio on Lake Erie

INTERNATIONAL
GREAT LAKES
DATUM (1955)

HIGHEST			LOWEST		
Monthly mean elevation:	572.23	May	Monthly mean elevation:	570.29	Jan
Daily mean elevation:	572.80	25 May	Daily mean elevation:	566.99	6 Apr
Instant/hourly Elevation:	574.03	1400/4 Apr	Instant/hourly Elevation:	562.52	0845/6 Apr

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
570.85	19 Jan
571.35	25 Feb
571.52	19 Mar
572.60	11 Apr
572.80	25 May
572.61	19 Jun
572.58	4 Jul
572.65	11 Aug
572.72	22 Sep
572.42	30 Oct
572.02	25 Nov
571.95	31 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
568.99	3 Jan
569.81	4 Feb
569.53	14 Mar
566.99	6 Apr
571.98	3 May
571.55	10 Jun
571.71	1 Jul
571.21	14 Aug
571.53	18 Sep
569.99	23 Oct
569.95	30 Nov
570.32	8 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
572.75					1								572.75	1
572.50				2	4	2	1	1	2				572.50	13
572.25				2	6	14	12	8	3	1			572.25	59
572.00				5	19	10	11	10	11	3	1		572.00	129
571.75				4	1	3	5	8	12	2	2	4	571.75	170
571.50			1	3		1	2	3	2	13	2	5	571.50	202
571.25		1	4	3						4	8	10	571.25	232
571.00			10	1				1		3	8	3	571.00	258
570.75	1	1	6							2	2	1	570.75	271
570.50	11	8	5	1							3	4	570.50	303
570.25	10	16	4							2	1	4	570.25	340
570.00	2	1									1		570.00	344
569.75	4	1								1	2		569.75	352
569.50	1		1										569.50	354
569.25													569.25	354
569.00	1												569.00	355
568.75	1												568.75	356
568.50													568.50	356
568.25													568.25	356
568.00													568.00	356
567.75													567.75	356
567.50													567.50	356
567.25													567.25	356
567.00													567.00	356
566.75				1									566.75	357

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 3085: Toledo, Ohio on Lake Erie

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	570.52	570.29	570.55	571.92	572.05	572.34	571.71	572.37	572.14	572.08	571.07	571.32
2	569.70	570.50	570.64	571.02	572.53	572.26	571.97	571.90	571.90	572.08	571.01	571.38
3	568.99	570.58	570.75	571.39	571.98	572.27	572.22	572.09	572.14	571.57	570.96	570.69
4	569.08	569.81	570.80	572.18	572.16	572.20	572.58	572.04	572.45	571.94	571.47	570.73
5	570.50	570.26	570.82	570.53	572.37	572.27	572.34	572.02	572.35	571.44	571.53	570.62
6	570.46	570.56	570.90	566.99	572.11	572.59	572.24	572.30	571.85	571.25	571.13	571.10
7	570.66	570.45	571.11	571.42	572.19	572.27	572.34	571.86	572.02	570.92	571.07	570.33
8	570.29	570.32	571.10	572.48	572.10	572.27	572.44	572.27	572.23	571.91	570.58	570.32
9	569.80	570.43	571.01	571.84	572.09	572.30	572.37	572.33	572.10	571.68	571.65	570.49
10	570.29	570.32	570.28	571.64	572.14	571.55	572.27	571.62	571.66	571.69	571.21	571.30
11	570.60	570.55	570.40	572.60	572.06	571.90	572.21	572.65	572.40	571.70	571.31	571.09
12	570.67	570.57	570.81	572.57	572.01	572.26	572.33	572.42	572.11	570.93	571.77	571.37
13	570.75	570.45	570.84	572.00	572.10	572.38	572.41	571.68	571.91	570.44	571.43	571.55
14	569.97	570.52	569.53	571.60	572.01*	572.23	572.25	571.21	571.93	571.36	571.16	570.94
15	569.84	570.71	570.67	571.88	572.05	572.07	572.23	571.99	572.04	571.12	570.60	571.31
16	570.55	570.38	570.71	571.71*	572.14	572.17	572.40	572.08	572.12	571.70	571.18	570.74
17	570.27	570.46	571.06	/	572.32	572.12	572.50	571.83	571.99	571.68	570.67	570.45
18	570.44	570.57	571.20	/	572.21	572.31	572.29	571.70	571.53	572.02	571.17	571.05
19	570.85	570.32	571.52	/	572.18	572.61	572.28	572.07	572.15	571.73	571.39	571.40
20	570.62	570.41	571.26	/	572.15	572.36	572.25	572.34	571.92	571.60	571.28	571.84
21	570.55	570.10	571.12	/	572.19	572.06	572.25	572.35	572.06	571.57	571.86	571.52
22	570.09	570.50	571.27	/	572.46	572.03	572.26	572.14	572.72	571.74	571.39	571.44
23	570.62	570.49	571.28	/	572.45	572.22	572.15	572.05	572.52	569.99	571.43	571.44
24	570.67	570.48*	570.89	/	572.52	572.37	571.75	571.85	572.05	570.44	571.33	571.78
25	569.93	571.35*	570.27	572.13*	572.80	572.42	571.86	571.83	571.85	571.30	572.02	571.81
26	570.41	570.77	570.44	572.08	572.01	572.24	571.83	572.21	571.88	571.48	569.96	571.63
27	570.60	570.47	571.02	572.12	572.22	571.97	572.22	572.15	572.00	571.57	571.00	571.74
28	570.42	570.62	571.32*	572.07	572.28	572.29	571.82	572.07	571.94	571.03	570.39	571.38
29	570.20		571.13	572.33	572.32	572.20	572.21	571.92	571.99	571.59	570.18	571.49
30	570.31		571.22*	571.38	572.51	571.83	572.17	571.95	571.93	572.42	569.95	571.75
31	570.46		571.25		572.57		571.94	572.35		571.74		571.95
MEAN	570.29	570.47	570.88	571.63	572.23	572.21	572.20	572.05	572.06	571.47	571.10	571.22
MAX.	571.59	571.50	572.14	574.03	573.42	573.45	573.14	573.34	573.37	573.19	573.14	572.42
	1200/01	1100/25	2300/31	1400/04	0800/25	1900/11	0500/04	0700/08	0300/22	1900/30	2000/25	0400/29
MIN.	567.75	569.05	568.77	562.52	571.13	570.07	571.21	570.32	570.90	568.60	568.20	568.42
	0200/03	1300/04	1500/14	0845/06	1900/03	0100/11	1200/28	0700/10	1200/10	1700/23	1700/26	0200/08

* Indicates less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 571.48

ANNUAL SUMMARY OF LEVELS, 1979

Station 3087: Monroe, Michigan on Lake Erie

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	572.24	Jun	570.31	Jan
Daily mean elevation:	572.55	19 Jun	567.48	6 Apr
Instant/hourly Elevation:	573.31	1300/4 Apr	562.85	0700/6 Apr

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
570.84	19 Jan
571.06	25 Feb
571.44	19 Mar
572.52	12 Apr
572.53	2 May
572.55	19 Jun
572.46	4 Jul
572.42	1 Aug
572.41	23 Sep
572.28	30 Oct
571.94	25 Nov
571.93	31 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
569.25	4 Jan
569.82	4 Feb
569.78	14 Mar
567.48	6 Apr
571.96	12 May
571.71	10 Jun
571.78	1 Jul
571.31	14 Aug
571.61	18 Sep
570.28	23 Oct
570.18	30 Nov
570.41	8 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
572.40				2	3	3	1	1	2				572.40	12
572.20				3	9	18	19	8	4	1			572.20	74
572.00				10	17	6	7	11	9	2			572.00	136
571.80				5	2	2	3	7	12	4	1	1	571.80	173
571.60				4		1	1	3	3	10	2	5	571.60	202
571.40			1	1						4	5	8	571.40	221
571.20			6	2				1		3	6	6	571.20	245
571.00		1	8	1						2	7	3	571.00	267
570.80	1		4							2	3	3	570.80	280
570.60	4	3	6	1						1	2	2	570.60	299
570.40	13	16	4							1	1	3	570.40	337
570.20	5	6	1							1	2		570.20	352
570.00	1	1									1		570.00	355
569.80	4	1											569.80	360
569.60	1		1										569.60	362
569.40													569.40	362
569.20	2												569.20	364
569.00													569.00	364
568.80													568.80	364
568.60													568.60	364
568.40													568.40	364
568.20													568.20	364
568.00													568.00	364
567.80													567.80	364
567.60													567.60	364
567.40				1									567.40	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 3087: Monroe, Michigan on Lake Erie

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	570.44	570.31	570.54	571.68	572.07	572.33	571.78	572.42	572.21	572.03	571.19	571.34
2	569.98	570.49	570.64	571.06	572.53	572.26	572.03	571.89	572.01	572.06	571.10	571.35
3	569.25	570.58	570.73	571.38	572.03	572.34*	572.19	572.16	572.10	571.59	571.00	570.86
4	569.25	569.82	570.78	571.96	572.12	572.32*	572.46	572.10	572.34	571.96	571.44	570.85
5	570.49	570.29	570.74	570.72	572.35	572.29	572.28	572.15	572.29	571.48	571.53	571.01
6	570.43	570.55	570.82	567.48	572.09	572.50	572.21	572.32	571.86	571.28	571.09	571.11
7	570.63	570.43	571.00	571.39	572.27	572.30	572.31	571.96	571.90	571.02	571.10	570.57
8	570.28	570.34	571.03	572.34	572.18	572.34	572.39	572.26	572.06	571.89	570.74	570.41
9	569.80	570.42	571.01	571.70	572.14	572.38	572.33	572.34	572.10	571.64	571.57	570.71
10	570.29	570.34	570.38	571.65	572.18	571.71	572.25	571.67	571.69	571.67	571.20	571.41
11	570.57	570.55	570.50	572.50	572.11	572.00	572.23	572.40	572.27	571.84	571.24	571.24
12	570.65	570.55	570.82	572.52	571.96	572.21	572.31	572.35	572.08	570.94	571.63	571.30
13	570.73	570.49	570.97	571.98	572.18	572.40	572.34	571.75	571.94	570.63	571.33	571.44
14	569.96	570.52	569.78	571.65	572.04	572.32	572.25	571.31	571.80	571.38	571.13	570.97
15	569.88	570.72	570.68	571.83	572.10	572.15	572.20	571.92	572.01	571.16	570.68	571.41
16	570.52	570.37	570.76	571.85	572.12	572.24	572.32	572.05	572.10	571.71	571.10	570.69
17	570.29	570.44	571.04	572.00	572.30	572.14	572.30	571.95	572.00	571.62	570.83	570.52
18	570.42	570.54	571.18	572.06	572.26	572.28	572.23	571.76	571.61	572.00	571.21	571.14
19	570.84	570.34	571.44	572.10	572.23	572.55	572.25	572.04	572.07	571.70	571.36	571.37
20	570.60	570.42	571.19	572.20	572.15	572.48	572.21	572.26	571.96	571.70	571.27	571.71
21	570.54	570.09	571.11	572.13	572.12	572.16	572.20	572.26	571.99	571.63	571.74	571.55
22	570.11	570.51	571.22	572.20	572.38	572.03	572.23	572.12	572.41	571.79	571.42	571.46
23	570.60	570.47	571.30	572.20	572.36	572.13	572.20	572.09	572.41	570.28	571.44	571.48
24	570.64	570.50	571.05	572.20	572.18	572.28	571.93	571.89	572.03	570.57	571.30	571.75
25	569.97	571.06	570.57	572.18	572.17	572.36	572.02	571.83	571.82	571.23	571.94	571.52
26	570.41	570.67	570.48	572.13	571.97	572.27	571.90	572.17	571.90	571.43	570.34	571.61
27	570.58	570.46	571.01	572.10	572.20	572.04	572.29	572.13	571.97	571.66	570.96	571.68
28	570.42	570.61	571.40	572.21	572.29	572.25	571.97	572.10	571.93	571.00	570.45	571.37
29	570.22		571.22	572.34	572.31	572.25	572.23	572.03	571.98	571.52	570.35	571.53
30	570.33		571.31	571.60	572.45	571.90	572.24	571.95	571.99	572.28	570.18	571.74
31	570.45		571.23		572.52		572.01	572.27		571.78		571.93
MEAN	570.31	570.46	570.90	571.78	572.21	572.24	572.20	572.06	572.03	571.50	571.13	571.26
MAX.	571.38	571.49	571.85	573.31	572.90	573.00	573.02	573.15	572.92	572.93	572.84	572.31
	1200/01	1400/25	0800/19	1300/04	1900/02	1900/11	0400/04	0600/08	0400/22	1900/30	2000/25	0400/29
MIN.	568.08	569.18	569.22	562.85	571.32	570.06	571.10	570.41	571.05	569.24	568.57	568.61
	0100/03	1200/04	1100/14	0700/06	1900/03	2400/10	1100/28	0800/10	1300/10	1600/23	1800/26	0200/08

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 571.51

ANNUAL SUMMARY OF LEVELS, 1979

Station 3090: Fermi Power Plant, Stony Point, Michigan on Lake Erie

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST		
Monthly mean elevation:	572.20	Jun	Monthly mean elevation:	570.28	Jan
Daily mean elevation:	573.32	3 Apr	Daily mean elevation:	567.73	6 Apr
Instant/hourly Elevation:	573.99	1300/3 Apr	Instant/hourly Elevation:	563.38	0700/6 Apr

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
570.77	19 Jan
571.02	25 Feb
571.35	28 Mar
573.32	3 Apr
572.47	31 May
572.49	6 Jun
572.36	4 Jul
572.31	11 Aug
572.33	22 Sep
572.19	30 Oct
571.81	25 Nov
571.88	31 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
569.28	3 Jan
569.80	4 Feb
569.89	14 Mar
567.73	6 Apr
571.95	12 May
571.85	10 Jun
571.76	1 Jul
571.30	14 Aug
571.61	18 Sep
570.45	23 Oct
570.29	30 Nov
570.47	8 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
573.25				1									573.25	1
573.00													573.00	1
572.75													572.75	1
572.50													572.50	1
572.25				3	9	11	4	3	3				572.25	34
572.00				12	19	16	21	14	9	1			572.00	126
571.75				4	3	3	6	11	16	7	1	1	571.75	178
571.50				5				2	2	10	2	6	571.50	205
571.25			3	2				1		5	9	13	571.25	238
571.00		1	9	1						4	10	3	571.00	266
570.75	1		6	1						1	4	4	570.75	283
570.50	8	5	9							2	2	3	570.50	312
570.25	10	19	3							1	2	1	570.25	348
570.00	5	2											570.00	355
569.75	5	1	1										569.75	362
569.50													569.50	362
569.25	2												569.25	364
569.00													569.00	364
568.75													568.75	364
568.50													568.50	364
568.25													568.25	364
568.00													568.00	364
567.75													567.75	364
567.50				1									567.50	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 3090: Fermi Power Plant, Stony Point, Michigan on Lake Erie

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	570.43	570.27	570.49	571.29*	572.00	572.30	571.76	572.29	572.12	571.98	571.23	571.37
2	569.83	570.46	570.58	571.04*	572.44	572.23	571.99	571.91	571.93	571.99	571.13	571.31
3	569.28	570.53	570.67	573.32*	572.03	572.28	572.14	572.12	572.01	571.57	571.02	570.96
4	569.33	569.80	570.74	571.62*	572.04	572.23	572.36	572.02	572.27	571.93	571.46	570.88
5	570.47	570.25	570.68	570.83	572.26	572.24	572.20	572.04	572.21	571.44	571.50	571.04
6	570.41	570.53	570.75	567.73	572.15	572.49	572.14	572.19	571.81	571.38	571.10	571.13
7	570.60	570.39	570.94	571.37	572.22	572.30	572.25	571.96	571.85	571.06	571.09	570.67
8	570.25	570.31	570.97	572.22	572.13	572.29	572.32	572.20	572.03	571.88	570.78	570.47
9	569.77	570.38	570.95	571.58	572.10	572.33	572.28	572.25	572.04	571.61	571.50	570.76
10	570.25	570.29	570.42	571.60	572.12	571.85	572.19	571.67	571.78*	571.67	571.20	571.40
11	570.54	570.50	570.53	572.31	572.07	571.89	572.17	572.31	572.18	571.84	571.22	571.27
12	570.61	570.50	570.78	572.39	571.95	572.21	572.22	572.26	572.04	570.95	571.61	571.31
13	570.68	570.42	570.94	571.92	572.11	572.32	572.27	571.75	571.90	570.67	571.32	571.42
14	569.91	570.46	569.89	571.61	572.03	572.27	572.19	571.30	571.74	571.38	571.14	570.95
15	569.88	570.65	570.57	571.81	572.05	572.15	572.15	571.86	572.00	571.20	570.78	571.40
16	570.49	570.32	570.75	571.80	572.11	572.18	572.21	571.99	572.08	571.69	571.12	570.69
17	570.25	570.39	571.01	571.94	572.28	572.11	572.23	571.90	571.99	571.63	570.87	570.57
18	570.39	570.49	571.12	572.01	572.19	572.16	572.17	571.76	571.61	571.94	571.19	571.12
19	570.77	570.29	571.35	572.04	572.18	572.42	572.21	571.98	572.04	571.73	571.37	571.38
20	570.55	570.36	571.16	572.12	572.08	572.37	572.15	572.17	571.99	571.72	571.26	571.65
21	570.49	570.06	571.05	572.11	572.06	572.18	572.14	572.15	571.94	571.65	571.71	571.46
22	570.10	570.46	571.16	572.06	572.33	572.04	572.17	572.06	572.33	571.77	571.40	571.43
23	570.56	570.43	571.24	572.13	572.27	572.07	572.17	572.03	572.30	570.45	571.39	571.42
24	570.59	570.45	571.06	572.14	572.06	572.20	571.94	571.87	572.00	570.59	571.33	571.68
25	569.93	571.02	570.60	572.12	572.11	572.29	572.03	571.81	571.81	571.22	571.81	571.45
26	570.38	570.66	570.46	572.08	571.98	572.18	571.88	572.10	571.84	571.41	570.52	571.56
27	570.54	570.41	570.96	572.04	572.20	572.02	572.21	572.08	571.93	571.64	570.99	571.66
28	570.38	570.55	571.35	572.13	572.26	572.18	571.92	572.01	571.89	571.06	570.51	571.38
29	570.18		571.15	572.26	572.27	572.25	572.15	571.96	571.94	571.50	570.46	571.53
30	570.30		571.29	571.70	572.39	571.92	572.21	571.89	571.87	572.19	570.29	571.72
31	570.41		571.18		572.47		571.98	572.19		571.71		571.88
MEAN	570.28	570.42	570.86	571.78	572.16	572.20	572.14	572.00	571.98	571.50	571.14	571.26
MAX.	571.37	571.40	571.80	573.99	572.88	572.81	572.87	573.04	572.75	572.78	572.49	572.28
	1200/01	1600/25	0900/19	1300/03	0900/25	0600/06	0400/04	0600/08	0400/22	1900/30	2000/25	0500/29
MIN.	568.23	569.17	569.33	563.38	571.34	570.39	571.35	570.57	571.09	569.25	568.76	568.62
	0100/03	1200/04	1200/14	0700/06	1800/03	0400/11	1100/28	0800/10	1400/10	1500/23	1800/26	0100/08

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 571.48

ANNUAL SUMMARY OF LEVELS, 1979
Station 4020: Gibraltar, Michigan on Detroit River

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST		
Monthly mean elevation:	572.37	Jun	570.66	Jan
Daily mean elevation:	572.63	20 Jun	568.57	6 Apr
Instant/hourly Elevation:	573.27	1900/20 Jun	565.98	0800/6 Apr

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
571.10	13 Jan
571.24	25 Feb
571.58	28 Mar
572.50	12 Apr
572.59	31 May
572.63	20 Jun
572.51	4 Jul
572.48	9 Aug
572.47	4 Sep
572.32	30 Oct
572.01	25 Nov
572.06	31 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
570.05	3 Jan
570.18	4 Feb
570.07	14 Mar
568.57	6 Apr
572.00	25 May
572.01	10 Jun
571.98	1 Jul
571.55	14 Aug
571.89	18 Sep
570.85	24 Oct
570.72	30 Nov
570.72	8 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
572.60						2							572.60	2
572.40				1	6	11	10	5	4				572.40	39
572.20				11	15	14	17	16	12	2			572.20	126
572.00				5	9	3	3	8	11	6	1	1	572.00	173
571.80				5	1		1	1	3	9	1	3	571.80	197
571.60				3						6	6	8	571.60	220
571.40			4	2				1		1	7	9	571.40	244
571.20		1	6	1						4	8	3	571.20	267
571.00	3		7	1							4	4	571.00	286
570.80	8	5	8							3	2	2	570.80	314
570.60	7	18	4								1	1	570.60	345
570.40	8	3	1										570.40	357
570.20	1												570.20	358
570.00	4	1	1										570.00	364
569.80													569.80	364
569.60													569.60	364
569.40													569.40	364
569.20													569.20	364
569.00													569.00	364
568.80													568.80	364
568.60													568.60	364
568.40				1									568.40	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 4020: Gibraltar, Michigan on Detroit River

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	570.60	570.52	570.74	571.69	572.14	572.43	571.98	572.48	572.38	572.19	571.57	571.59
2	570.16	570.75	570.83	571.31	572.58	572.38	572.16	572.17	572.22	572.20	571.39	571.49
3	570.05	570.81	570.88	571.49	572.19	572.42	572.32	572.35	572.24	571.81	571.27	571.36
4	570.09	570.18	570.95	571.87	572.17	572.39	572.51	572.26	572.47	572.13	571.67	571.17
5	570.89	570.58	570.88	571.16	572.38	572.36	572.37	572.27	572.43	571.71	571.74	571.43
6	570.88	570.80	570.95	568.57	572.32	572.61	572.35	572.38	572.06	571.69	571.34	571.36
7	571.01	570.67	571.10	571.56	572.36	572.46	572.44	572.23	572.05	571.29	571.32	571.13
8	570.73	570.61	571.12	572.32	572.27	572.46	572.49	572.40	572.24	572.10	571.17	570.72
9	570.44	570.71	571.11	571.69	572.23	572.48	572.49	572.48	572.29	571.80	571.69	571.13
10	570.74	570.63	570.59	571.77	572.26	572.01	572.39	571.96	572.00	571.89	571.42	571.66
11	570.93	570.79	570.68	572.40	572.23*	572.04	572.37	572.44	572.40	572.24	571.40	571.53
12	570.94	570.77	570.97	572.50	572.12*	572.35	572.43	572.45	572.26	571.27	571.77	571.49
13	571.10	570.71	571.13	572.08	572.26	572.49	572.46	572.06	572.15	571.00	571.51	571.60
14	570.33	570.75	570.07	571.82	572.18	572.47	572.41	571.55	571.90	571.62	571.35	571.18
15	570.49	570.91	570.79	571.97	572.15	572.34	572.36	572.07	572.20	571.48	571.09	571.71
16	571.00	570.65	570.95	571.95	572.24	572.36	572.39	572.23	572.31	571.92	571.38	570.89
17	570.72	570.77	571.15	572.10	572.45	572.28	572.38	572.19	572.23	571.85	571.16	570.84
18	570.77	570.88	571.26	572.16	572.34	572.29	572.37	572.04	571.89	572.13	571.42	571.37
19	571.07	570.64	571.45	572.20	572.34	572.59	572.43	572.21	572.24	571.99	571.58	571.59
20	570.88	570.71	571.27	572.26	572.24	572.63	572.37	572.38	572.25	571.97	571.46	571.80
21	570.75	570.46	571.20	572.25	572.16	572.41	572.36	572.35	572.14	571.89	571.88	571.68
22	570.41	570.76	571.29	572.22	572.46	572.21	572.38	572.30	572.44	572.03	571.62	571.65
23	570.86	570.76	571.42	572.28	572.38	572.22	572.39	572.31	572.46	570.97	571.62	571.62
24	570.87	570.77	571.25	572.27	572.06	572.33	572.26	572.14	572.22	570.85	571.57	571.89
25	570.17	571.24	570.83	572.27	572.00	572.45	572.33	572.05	572.04	571.40	572.01	571.53
26	570.60	570.96	570.64	572.22	572.10	572.37	572.12	572.33	572.06	571.61	571.13	571.76
27	570.78	570.73	571.12	572.18	572.35	572.23	572.44	572.31	572.14	571.95	571.26	571.84
28	570.60	570.81	571.58	572.25	572.39	572.37	572.18	572.25	572.12	571.28	570.85	571.60
29	570.45		571.34	572.40	572.41	572.46	572.36	572.25	572.16	571.71	570.82	571.76
30	570.57		571.48	571.96	572.50	572.18	572.47	572.14	572.09	572.32	570.72	571.91
31	570.64		571.31		572.59		572.23	572.42		571.95		572.06
MEAN	570.66	570.73	571.04	571.91	572.29	572.37	572.35	572.24	572.20	571.75	571.41	571.49
MAX.	571.45	571.61	571.92	573.15	572.94	573.27	572.97	573.25	572.89	572.85	572.67	572.47
	1200/01	1700/25	0900/19	0100/30	0900/25	1900/20	0500/04	0700/08	0200/15	1900/30	2000/25	0400/29
MIN.	568.95	569.66	569.56	565.98	571.41	570.43	571.69	570.91	571.43	569.81	569.37	569.09
	0100/03	1500/04	2200/14	0800/06	1600/25	0300/11	0300/26	0700/10	1900/14	1600/23	1800/26	0300/08

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 571.70

ANNUAL SUMMARY OF LEVELS, 1979
Station 4030: Wyandotte, Michigan on Detroit River

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	573.67	Jul	572.29	Feb
Daily mean elevation:	573.80	4 Jul	571.13	6 Apr
Instant/hourly Elevation:	574.18	2000/20 Jun	569.97	0800/6 Apr

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
572.90	13 Jan
573.00	25 Feb
572.76	28 Mar
573.61	18 Apr
573.76	31 May
573.76	20 Jun
573.80	4 Jul
573.77	11 Aug
573.75	4 Sep
573.48	2 Oct
573.21	25 Nov
573.40	31 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
571.88	3 Jan
571.83	4 Feb
571.92	14 Mar
571.13	6 Apr
573.36	1 May
573.35	10 Jun
573.44	1 Jul
573.17	14 Aug
573.33	18 Sep
572.50	24 Oct
572.38	30 Nov
572.40	8 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
573.60				2	7	21	24	15	8				573.60	77
573.40				16	22	8	7	15	17	4			573.40	166
573.20				2	2	1			5	9	1	6	573.20	192
573.00				4				1		9	4	3	573.00	213
572.80	3	2		2						5	14	11	572.80	250
572.60	12	3	7	3						2	7	8	572.60	292
572.40	6	2	16							2	3	2	572.40	323
572.20	6	9	7								1	1	572.20	347
572.00	2	8											572.00	357
571.80	2	4	1										571.80	364
571.60													571.60	364
571.40													571.40	364
571.20													571.20	364
571.00				1									571.00	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 4030: Wyandotte, Michigan on Detroit River

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	572.11	572.28	572.63	572.92	573.36	573.66	573.44	573.73	573.64	573.46	572.92	572.96
2	571.89	572.25	572.47	572.70	573.63	573.64	573.54	573.58	573.54	573.48	572.78	572.92
3	571.88	572.26	572.45	572.78*	573.45	573.64	573.65	573.64	573.62	573.23	572.79	572.74
4	572.54	571.83	572.42	573.19*	573.45	573.62	573.80	573.62	573.75	573.41	572.97	572.69
5	572.74	571.86	572.39	572.65	573.56	573.63	573.70	573.62	573.72	573.19	573.03	572.71
6	572.78	572.02	572.43	571.13	573.51	573.74	573.68	573.71	573.51	573.13	572.87	572.83
7	572.81	571.98	572.54	572.94	573.53	573.65	573.72	573.55	573.50	572.89	572.78	572.62
8	572.68	571.98	572.57	573.44	573.45	573.65	573.73	573.69	573.61	573.36	572.62	572.40
9	572.43	572.07	572.55	573.20	573.43	573.66	573.79	573.73	573.59	573.22	573.07	572.61
10	572.50	572.01	572.26	573.18	573.46	573.35	573.72	573.43	573.39	573.25	572.89	572.94
11	572.71	572.15	572.30	573.52	573.44	573.41	573.72	573.77	573.69	573.40	572.86	572.80
12	572.82	572.19	572.47	573.61	573.39	573.60	573.77	573.74	573.57	572.88	573.06	572.89
13	572.90	572.14	572.49	573.34	573.47	573.66	573.77	573.44	573.49	572.66	572.95	572.97
14	572.77	572.20	571.92	573.33	573.42	573.64	573.72	573.17	573.43	573.03	572.83	572.71
15	572.76	572.32	572.26	573.48	573.44	573.56	573.69	573.50	573.56	572.96	572.66	572.91
16	572.79	572.24	572.32	573.50	573.51	573.59	573.74	573.60	573.59	573.20	572.86	572.58
17	572.70	572.26	572.48	573.60	573.59	573.55	573.73	573.53	573.53	573.16	572.63	572.46
18	572.63	572.24	572.55	573.61	573.54	573.62	573.70	573.47	573.33	573.34	572.83	572.78
19	572.63	572.16	572.61	573.58	573.52	573.74	573.68	573.59	573.57	573.22	572.90	572.92
20	572.62	572.30	572.56	573.56	573.48	573.76	573.66	573.67	573.50	573.19	572.82	573.06
21	572.61	572.23	572.50	573.51	573.45	573.62	573.64	573.67	573.50	573.15	573.09	572.95
22	572.44	572.47	572.60	573.48	573.62	573.53	573.65	573.63	573.71	573.22	572.94	572.91
23	572.58	572.60	572.67	573.46	573.60	573.55	573.65	573.59	573.68	572.51	572.96	572.92
24	572.45	572.75	572.59	573.45	573.47	573.63	573.55	573.48	573.54	572.50	572.95	573.14
25	572.07	573.00	572.38	573.41	573.59	573.69	573.59	573.44	573.40	572.87	573.21	573.20
26	572.31	572.85	572.26	573.41	573.51	573.62	573.50	573.63	573.40	572.97	572.55	573.28
27	572.38	572.70	572.53	573.41	573.62	573.51	573.68	573.62	573.45	573.16	572.75	573.36
28	572.28	572.68	572.76	573.49	573.66	573.65	573.55	573.59	573.43	572.78	572.58	573.24
29	572.22		572.65	573.52	573.66	573.69	573.65	573.56	573.43	573.05	572.52	573.28
30	572.28		572.72	573.19	573.72	573.61	573.70	573.54	573.40	573.42	572.38	573.34
31	572.40		572.68		573.76		573.57	573.71		573.21		573.40
MEAN	572.51	572.29	572.48	573.25	573.53	573.62	573.67	573.59	573.54	573.11	572.84	572.92
MAX.	573.02	573.15	572.90	573.98	573.93	574.18	574.02	574.12	573.88	573.71	573.63	573.67
	1100/13	1700/25	2400/31	0100/30	0900/25	2000/20	0600/04	0700/08	0400/22	2000/30	2000/25	0400/29
MIN.	571.29	571.56	571.74	569.97	573.07	572.67	573.27	572.85	573.08	572.00	571.67	571.66
	0100/03	1600/04	1200/14	0800/06	0600/01	0300/11	0600/26	0800/10	1300/10	1600/23	1400/26	2400/07

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 573.11

ANNUAL SUMMARY OF LEVELS, 1979

Station 4036: Fort Wayne, Detroit, Michigan on Detroit River

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	574.13	Jul	572.96	Mar
Daily mean elevation:	574.24	12 Jul	571.86	6 Apr
Instant/hourly Elevation:	574.46	1400/9 Jul	570.91	0800/6 Apr

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
573.84	13 Jan
573.46	25 Feb
573.17	28 Mar
574.12	17 Apr
574.18	31 May
574.17	20 Jun
574.24	12 Jul
574.20	11 Aug
574.18	5 Sep
573.97	2 Oct
573.66	25 Nov
573.88	27 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
572.45	3 Jan
572.87	7 Feb
572.50	14 Mar
571.86	6 Apr
573.80	1 May
573.82	10 Jun
573.95	1 Jul
573.71	14 Aug
573.86	18 Sep
573.06	23 Oct
572.95	30 Nov
572.98	8 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
574.20							6						574.20	6
574.00				5	9	24	23	24	16				574.00	107
573.80	1			14	21	6	2	6	14	6		4	573.80	181
573.60	5			4	1			1		14	1	3	573.60	210
573.40	5	2		1						6	9	6	573.40	239
573.20	4	16		3						3	14	12	573.20	291
573.00	2	3	14	2						2	5	5	573.00	324
572.80	4	1	13								1	1	572.80	344
572.60	3		3										572.60	350
572.40	2		1										572.40	353
572.20													572.20	353
572.00													572.00	353
571.80				1									571.80	354

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 4036: Fort Wayne, Detroit, Michigan on Detroit River

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	572.61	/	573.09	573.35	573.80	574.12	573.95	574.15	574.10	573.93	573.40	573.46
2	572.45	/	572.95	573.17	574.02	574.07	574.04	574.05	574.02	573.97	573.29	573.42
3	572.45	/	572.90	573.31	573.89	574.07	574.13	574.09	574.11	573.75	573.31	573.25
4	573.00	/	572.89	573.59	573.90	574.05	574.24	574.09	574.17*	573.87	573.43	573.23
5	573.49	/	572.88	573.12	573.97	574.08	574.17	574.07	574.18*	573.72	573.50	573.20
6	573.62	/	572.93	571.86	573.94	574.16	574.14	574.16	574.00	573.65	573.39	573.33
7	573.73	572.87*	573.01	573.40	573.94	574.07	574.18	574.02	573.99	573.46	573.29	573.13
8	573.68	573.02	573.05	573.84	573.87	574.09	574.18	574.12	574.09	573.82	573.15	572.98
9	573.53	573.13	573.03	573.67	573.86	574.09	574.24	574.17	574.05	573.74	573.54	573.13
10	573.55	573.18	572.81	573.65	573.88	573.82	574.21	573.95	573.90	573.76	573.39	573.39
11	573.63	573.28	572.84	573.92	573.86	573.89	574.18	574.20	574.12	573.84	573.36	573.28
12	573.78	573.23	572.96	573.99	573.85	574.06	574.24	574.17	574.02	573.43	573.52	573.37
13	573.84	573.31	572.97	573.78	573.91	574.09	574.23	573.91	573.96	573.24	573.45	573.44
14	573.53	573.29	572.50	573.85	573.86	574.07	574.17	573.71	573.96	573.54	573.34	573.22
15	573.35	573.34	572.76	574.00	573.88	574.00	574.15	573.98	574.03	573.49	573.21	573.35
16	573.45	573.24	572.80	574.03	573.94	574.04	574.21	574.07	574.04	573.67	573.36	573.13
17	573.31	573.30	572.93	574.12	574.00	574.00	574.17	574.01	574.02	573.67	573.15	573.01
18	573.29	573.36	572.98	574.11	573.95	574.06	574.14	573.98	573.86	573.78	573.32	573.27
19	573.35	573.27	573.05	574.06	573.95	574.16	574.13	574.07	574.03	573.68	573.36	573.41
20	573.20	573.35	573.03	574.02	573.92	574.17	574.11	574.11	573.96	573.65	573.32	573.49
21	573.06	573.24	572.94	573.94	573.89	574.06	574.09	574.12	573.96	573.61	573.54	573.40
22	572.92	573.32	573.03	573.92	574.04	573.99	574.10	574.10	574.13	573.66	573.41	573.37
23	572.98	573.33	573.10	573.89	574.01	574.01	574.09	574.06	574.10	573.06	573.44	573.39
24	572.86	573.28	573.04	573.87	573.95	574.10	574.01	573.95	574.01	573.07	573.43	573.59
25	572.64	573.46	572.89	573.82	574.07	574.12	574.03	573.93	573.88	573.38	573.66	573.72
26	572.78*	573.41	572.78	573.83	573.97	574.07	573.99	574.09	573.88	573.46	573.09	573.80
27	/	573.28	573.01	573.85	574.07	573.98	574.13	574.07	573.92	573.61	573.27	573.88
28	/	573.21	573.17	573.91	574.11	574.11	574.02	574.06	573.89	573.30	573.16	573.79
29	/		573.10	573.93	574.10	574.13	574.10	574.02	573.89	573.54	573.09	573.81
30	/		573.14	573.66	574.14	574.11	574.13	574.02	573.88	573.83	572.95	573.85
31	/		573.14		574.18		574.04	574.16		573.67		573.87
MEAN	573.23	573.26	572.96	573.72	573.96	574.06	574.13	574.05	574.00	573.61	573.34	573.42
MAX.	573.91	573.57	573.32	574.24	574.32	574.39	574.46	574.44	574.27	574.08	573.98	574.05
	1200/13	1600/25	2300/31	0100/30	1000/25	2000/20	1400/09	0100/02	2200/05	1000/04	2000/25	0600/29
MIN.	571.97	572.78	572.30	570.91	573.57	573.31	573.77	573.52	573.66	572.67	572.35	572.49
	0100/03	0400/08	1700/14	0800/06	0600/01	2400/10	1000/28	0900/10	0900/10	1700/23	1400/26	2300/07

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 573.64

ANNUAL SUMMARY OF LEVELS, 1979

Station 4049: Windmill Point, Detroit, Michigan on Detroit River

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	574.99	Jul	573.82	Mar
Daily mean elevation:	575.10	13 Jul	573.25	6 Apr
Instant/hourly Elevation:	575.42	1500/25 May	572.40	2400/5 Apr

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
574.28	13 Jan
574.11	26 Feb
573.96	30 Mar
575.09	17 Apr
575.08	25 May
574.99	30 Jun
575.10	13 Jul
575.08	11 Aug
575.00	4 Sep
574.80	2 Oct
574.47	25 Nov
574.90	27 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
573.40	25 Jan
573.63	8 Feb
573.55	14 Mar
573.25	6 Apr
574.64	1 May
574.67	10 Jun
574.84	24 Jul
574.74	14 Aug
574.72	29 Sep
573.98	23 Oct
573.94	26 Nov
574.02	7 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
575.00				3	1		12	3					575.00	19
574.80				3	8	29	19	26	21			5	574.80	130
574.60				10	22	1		2	9	8		2	574.60	184
574.40				6						15	2	1	574.40	208
574.20	5			3						6	20	12	574.20	254
574.00	5	2		1						1	6	11	574.00	280
573.80	4	5	14	2						1	2		573.80	308
573.60	4	5	11										573.60	328
573.40	8		1										573.40	337
573.20	1			1									573.20	339

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 4049: Windmill Point, Detroit, Michigan on Detroit River

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	573.60	/	573.86	/	574.64	574.94	574.90	574.99	574.92	574.76	574.23	574.37
2	573.48	/	573.78	573.83*	574.74	574.90	574.95	574.94	574.87	574.80	574.22	574.37
3	573.44	/	573.72	574.20	574.71	574.90	575.00	574.95	574.98	574.66	574.26	574.11
4	573.73	/	573.69	574.39	574.76	574.89	575.08	574.95	575.00	574.71	574.32	574.23
5	574.02	/	573.74	573.97	574.78	574.92	575.04	574.95	574.99	574.63	574.35	574.05
6	574.15	573.69*	573.80	573.25	574.74	574.93	575.00	575.03	574.93	574.53	574.33	574.27
7	574.19	573.65	573.86	574.28	574.73	574.88	575.00	574.87	574.93	574.47	574.25	574.02
8	574.23	573.63	573.92	574.56	574.66	574.88	575.02	574.98	574.96	574.65	574.08	574.04
9	574.19	573.73	573.91	574.59	574.66	574.91	575.06	574.99	574.89	574.63	574.41	574.04
10	574.23	573.74*	573.79	574.54	574.68	574.67	575.10	574.87	574.78	574.62	574.35	574.23
11	574.28	/	573.80	574.68	574.67	574.82	575.05	575.08	574.94	574.57	574.31	574.15
12	574.27	/	573.83	574.73	574.73	574.89	575.10	575.03	574.86	574.40	574.39	574.32
13	574.28	/	573.79	574.59	574.72	574.91	575.10	574.80	574.81	574.30	574.38	574.34
14	574.16	/	573.55	574.75	574.69	574.88	575.03	574.74	574.94	574.46	574.29	574.20
15	573.98	/	573.68*	574.96	574.75	574.83	575.03	574.93	574.89	574.41	574.18	574.14
16	573.92	/	573.68*	575.06	574.78	574.88	575.08	574.94	574.90	574.50	574.27	574.15
17	573.86	/	/	575.09	574.78	574.87	575.05	574.88	574.85	574.52	574.12	574.04
18	573.80	/	/	575.05	574.74	574.95	575.00	574.90	574.78	574.57	574.23	574.19
19	573.81	/	/	574.99	574.73	574.94	574.95	574.95	574.92	574.48	574.21	574.29
20	573.73	/	573.87*	574.89	574.75	574.91	574.96	574.96	574.80	574.46	574.20	574.35
21	573.62	/	573.86	574.78	574.76	574.86	574.95	574.97	574.88	574.44	574.35	574.25
22	573.55	573.81*	573.90	574.76	574.80	574.90	574.94	574.95	574.99	574.46	574.28	574.21
23	573.55	573.86	573.93	574.69	574.83	574.89	574.93	574.90	574.95	573.98	574.31	574.25
24	573.50	573.96	573.90	574.67	574.90	574.97	574.84	574.84	574.85	574.10	574.32	574.42
25	573.40	574.09	573.82	574.60	575.08	574.93	574.86	574.82	574.78	574.32	574.47	574.77
26	573.49	574.11	573.76	574.60	574.90	574.89	574.92	574.92	574.76	574.37	573.94	574.81
27	573.52*	573.97	573.89	574.68	574.93	574.82	574.94	574.92	574.77	574.39	574.26	574.90
28	/	573.90	/	574.74	574.96	574.93	574.90	574.91	574.74	574.27	574.19	574.86
29	/		573.94*	574.73*	574.96	574.94	574.95	574.86	574.72	574.41	574.14	574.83
30	/		573.96*	574.38*	574.97	574.99	574.93	574.92	574.73	574.56	573.99	574.82
31	/		/		574.97		574.93	574.98		574.48		574.79
MEAN	573.85	573.84	573.82	574.59	574.79	574.89	574.99	574.93	574.87	574.48	574.25	574.35
MAX.	574.32	574.19	574.00	575.15	575.42	575.27	575.27	575.19	575.16	574.93	574.63	575.03
	2000/13	0200/26	0500/30	2000/17	1500/25	2100/17	1900/16	2200/10	1800/03	2400/01	0200/26	1200/25
MIN.	573.16	573.56	573.32	572.40	574.41	574.29	574.69	574.30	574.44	573.78	573.29	573.45
	0100/03	0600/08	1600/14	2400/05	0300/11	2200/10	1200/25	0500/10	1700/20	1200/23	1300/26	1400/05

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 574.47

ANNUAL SUMMARY OF LEVELS, 1979

Station 4052: St. Clair Shores, Michigan on Lake St. Clair

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	575.19	Jul	574.03	Feb
Daily mean elevation:	575.32	17 Apr	573.69	25 Jan
Instant/hourly Elevation:	575.41	1700/11 Jul	572.64	2400/5 Apr

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
574.42	13 Jan
574.38	26 Feb
574.22	31 Mar
575.32	17 Apr
575.17	31 May
575.20	30 Jun
575.31	10 Jul
575.20	11 Aug
575.19	5 Sep
574.99	2 Oct
574.67	25 Nov
575.10	27 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
573.69	25 Jan
573.76	4 Feb
573.95	3 Mar
573.74	6 Apr
574.83	1 May
574.97	10 Jun
575.09	24 Jul
574.97	14 Aug
574.93	30 Sep
574.36	24 Oct
574.36	30 Nov
574.29	8 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
575.20				3			11						575.20	14
575.00				3	7	28	20	30	24			5	575.00	131
574.80				13	24	2		1	6	9		1	574.80	187
574.60				4						15	1	2	574.60	209
574.40	4			3						6	28	18	574.40	268
574.20	7	3	1	3						1	1	5	574.20	289
574.00	3	10	24										574.00	326
573.80	8	10	6										573.80	350
573.60	9	2		1									573.60	362

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 4052: St. Clair Shores, Michigan on Lake St. Clair

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	573.89	573.86	574.10	574.34	574.83	575.14	575.13	575.17	575.16	574.97	574.54	574.58
2	573.82	573.87	574.02	574.29	574.95	575.13	575.15	575.15	575.11	574.99	574.48	574.54
3	573.90	573.82	573.95	574.42	574.93	575.11	575.19	575.17	575.18	574.89	574.50	574.47
4	574.01	573.76	573.96	574.54	574.93	575.09	575.25	575.17	575.18	574.93	574.53	574.50
5	574.21	573.79	574.03	574.28	574.98	575.11	575.21	575.15	575.19	574.87	574.59	574.43
6	574.33	573.88	574.07	573.74	574.97	575.11	575.21	575.20	575.14	574.80	574.53	574.50
7	574.35	573.86	574.10	574.50	574.96	575.09	575.20	575.12	575.10	574.69	574.49	574.35
8	574.40	573.88	574.16	574.75	574.91	575.10	575.20	575.18	575.14	574.85	574.42	574.29
9	574.38	573.94	574.17	574.72	574.87	575.11	575.26	575.20	575.14	574.82	574.58	574.39
10	574.38	573.97	574.16	574.75	574.92	574.97	575.31	575.11	575.05	574.84	574.56	574.50
11	574.42	574.00	574.12	574.87	574.92	575.00	575.29	575.20	575.14	574.86	574.51	574.43
12	574.41	573.99	574.11	574.92	574.92	575.09	575.29	575.18	575.06	574.68	574.58	574.49
13	574.42	574.03	574.09	574.82	574.94	575.11	575.27	575.07	575.03	574.56	574.57	574.54
14	574.41	574.03	573.96	575.00	574.91	575.10	575.24	574.97	575.08	574.68	574.51	574.43
15	574.22	574.03	573.96	575.19	574.94	575.06	575.23	575.09	575.11	574.68	574.44	574.45
16	574.10	574.08	573.99	575.28	574.98	575.07	575.24	575.15	575.12	574.74	574.48	574.31
17	574.04	574.12*	574.05	575.32	574.98	575.04	575.20	575.12	575.10	574.73	574.42	574.30
18	573.96	/	574.07	575.29	574.97	575.10	575.18	575.14	575.02	574.77	574.48	574.45
19	573.94	/	574.10	575.20	574.95	575.14	575.16	575.15	575.10	574.74	574.46	574.50
20	573.90	/	574.12	575.10	574.93	575.16	575.16	575.15	575.05	574.72	574.43	574.50
21	573.86	574.15*	574.15	575.00	574.93	575.09	575.15	575.17	575.05	574.69	574.54	574.46
22	573.82	574.14	574.17	574.96	574.98	575.07	575.14	575.17	575.11	574.72	574.51	574.44
23	573.79	574.18	574.19	574.90	574.98	575.05	575.15	575.13	575.12	574.41	574.54	574.46
24	573.73	574.20	574.15	574.86	574.97	575.12	575.09	575.08	575.06	574.36	574.56	574.62
25	573.69	574.34	574.10	574.83	575.03	575.11	575.11	575.07	574.99	574.50	574.67	574.77
26	573.72	574.38	574.00	574.82	575.07	575.11	575.12	575.13	574.98	574.54	574.45	575.02
27	573.74	574.25	574.12	574.86	575.15	575.07	575.17	575.13	574.97	574.64	574.53	575.10
28	573.73	574.15	574.18	574.92	575.16	575.13	575.11	575.13	574.95	574.49	574.48	575.09
29	573.74		574.15	574.92	575.16	575.15	575.15	575.11	574.93	574.60	574.47	575.07
30	573.76		574.19	574.78	575.16	575.20	575.15	575.14	574.93	574.73	574.36	575.05
31	573.80		574.22		575.17		575.13	575.18		574.70		574.99
MEAN	574.03	574.03	574.09	574.81	574.98	575.10	575.19	575.14	575.08	574.72	574.51	574.58
MAX.	574.47	574.42	574.33	575.38	575.28	575.34	575.41	575.32	575.29	575.12	574.95	575.17
	1000/14	0900/26	2100/31	0400/17	1400/08	1700/20	1700/11	0100/02	1700/03	2400/01	0100/26	1700/27
MIN.	573.60	573.73	573.79	572.64	574.72	574.65	574.96	574.87	574.86	574.20	574.06	573.96
	2000/02	2100/04	1600/14	2400/05	0600/01	1900/10	1000/28	1200/14	0400/30	0700/24	1300/26	2200/07

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 574.69

ANNUAL SUMMARY OF LEVELS, 1979
Station 4070: Algonac, Michigan on St. Clair River

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	575.74	Aug	574.66	Mar
Daily mean elevation:	575.85	13 Aug	574.44	1 Jan
Instant/hourly Elevation:	576.19	1342/26 Nov	574.33	2157/1 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
575.61	5 Jan
575.56	26 Feb
574.93	1 Mar
575.79	16 Apr
575.61	28 May
575.76	30 Jun
575.79	10 Jul
575.85	13 Aug
575.76	18 Sep
575.56	11 Oct
575.61	26 Nov
575.45	3 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
574.44	1 Jan
574.67	7 Feb
574.51	4 Mar
574.79	1 Apr
575.34	25 May
575.52	5 Jun
575.67	8 Jul
575.69	26 Aug
575.49	30 Sep
575.16	31 Oct
575.00	18 Nov
574.98	22 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
575.80								1					575.80	1
575.60	1			6	1	16	31	30	18		1		575.60	105
575.40		2		4	19	14			12	14		1	575.40	171
575.20	4	1		9	11					11	7	5	575.20	219
575.00	9	8		6						6	21	12	575.00	281
574.80	6	6	1	3							1	3	574.80	301
574.60	9	11	24	1									574.60	346
574.40	2		6										574.40	354

INTERNATIONAL
GREAT LAKES
DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 4070: Algonac, Michigan on St. Clair River

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	574.44	575.09	574.93	574.79	575.37	575.59	575.75	575.70	575.71	575.50	575.23	575.16
2	574.60	574.91	574.74	574.97	575.44	575.57	575.73*	575.77	575.73	575.50	575.19	575.18
3	574.74	574.77	574.58	574.94	575.47	575.57	575.71*	575.78	575.69	575.52	575.16	575.45
4	575.21	574.77	574.51	574.92	575.47	575.55	575.70	575.74	575.69	575.49	575.14	575.27
5	575.61	574.81	574.62	575.13	575.47	575.52	575.71	575.76	575.70	575.50	575.12	575.39
6	575.32	574.68	574.63	575.78*	575.45	575.55	575.72	575.74	575.73	575.54	575.09	/
7	575.27	574.67	574.65	/	575.37	575.54	575.69	575.80	575.70	575.47	575.12	/
8	575.25	574.78	574.69	575.02*	575.38	575.58	575.67	575.76	575.68	575.44	575.25	/
9	575.10	574.76	574.66	575.10	575.39	575.60	575.73	575.76	575.68	575.43	575.05	575.34*
10	575.17	574.79	574.75	575.17	575.39	575.73	575.79	575.80	575.72	575.46	575.11	575.15
11	575.12	574.74	574.71	575.15	575.39	575.59	575.78	575.71	575.58	575.56	575.10	575.16
12	575.07	574.78	574.69	575.20*	575.37	575.59	575.76	575.74	575.55	575.50	575.06	575.11
13	575.12	574.80	574.57	575.22*	575.42	575.61	575.75	575.85	575.59	575.45	575.06	575.10
14	575.17	574.80	574.75	575.52	575.44	575.61	575.73	575.77	575.67	575.37	575.09	575.14
15	574.86	574.89	574.64	575.66*	575.46	575.65	575.73	575.71	575.70	575.39	575.13	575.22
16	574.82	575.05	574.61	575.79*	575.45	575.61	575.71	575.74	575.71	575.31	575.05	575.12
17	574.74	575.02	574.56	575.75	575.46	575.60	575.71	575.79	575.74	575.32	575.10	575.22*
18	574.78	574.98	574.54	575.68	575.43	575.56	575.72	575.76	575.76	575.32	575.00	575.13*
19	574.66	575.02	574.55	575.61	575.42	575.61	575.72	575.70	575.66	575.34	575.01	575.05
20	574.65	574.98	574.62	575.50	575.41	575.61	575.71	575.69	575.71	575.34	575.04	574.99
21	574.76	575.03	574.63	575.41	575.38	575.65	575.69	575.69	575.63	575.33	575.03	574.98
22	574.78	575.06	574.63	575.35	575.42	575.63	575.70	575.69	575.60	575.31	575.09	574.98
23	574.67	574.93	574.64	575.32	575.40	575.63	575.69	575.70	575.59	575.54	575.13	575.01
24	574.65	575.04	574.68	575.27	575.35	575.58	575.71	575.73	575.59	575.24	575.22	575.01*
25	574.88	575.12	574.72	575.25	575.34	575.62	575.74	575.73	575.59	575.18	575.17	/
26	574.92	575.56	574.68	575.28	575.55	575.63	575.71	575.69	575.56	575.18	575.61	/
27	574.89	575.51	574.67	575.30	575.59	575.66	575.70	575.70	575.51	575.25	575.27	/
28	574.98	575.26	574.68	575.27	575.61	575.67	575.70	575.73	575.52	575.20	575.34	/
29	575.05		574.64	575.31	575.60	575.70	575.69	575.74	575.50	575.20	575.34	/
30	575.03		574.72	575.47	575.58	575.76	575.72	575.72	575.49	575.18	575.39	/
31	575.04		574.77		575.60		575.72	575.71		575.16		/
MEAN	574.95	574.95	574.66	575.31	575.45	575.61	575.72	575.74	575.64	575.37	575.16	575.15
MAX.	575.73	575.72	575.13	575.99	575.71	576.10	576.08	576.12	575.98	575.86	576.19	575.72
	0748/05	1700/26	0115/01	0220/06	1615/15	1552/10	1525/11	0600/10	1230/10	1150/23	1342/26	1810/03
MIN.	574.33	574.55	574.42	574.70	575.10	575.30	575.46	575.44	575.32	574.89	574.70	574.81
	2157/01	1205/03	0945/04	0125/01	0425/25	0005/18	0042/08	0223/07	0255/11	0615/30	0235/16	1835/20

ANNUAL MEAN: 575.31

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

ANNUAL SUMMARY OF LEVELS, 1979

Station 4080: St. Clair S.P., St. Clair, Michigan on St. Clair River

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	577.31	Aug	576.01	Mar
Daily mean elevation:	577.49	15 Aug	575.77	4 Mar
Instant/hourly Elevation:	577.63	1200/10 Sep	575.63	1500/4 Mar

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
577.41	18 Jan
576.76	10 Feb
576.25	31 Mar
577.05	16 Apr
577.17	26 May
577.29	30 Jun
577.33	16 Jul
577.49	15 Aug
577.43	14 Sep
577.14	7 Oct
576.88	30 Nov
577.10	25 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
575.93	1 Jan
576.04	23 Feb
575.77	4 Mar
576.27	1 Apr
576.72	7 May
576.96	7 Jun
577.16	30 Jul
577.22	23 Aug
576.98	29 Sep
576.52	31 Oct
576.48	19 Nov
576.40	21 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
577.40	1							2	1				577.40	4
577.20	4					2	26	29	17				577.20	82
577.00	8			1	8	27	5		10	9		4	577.00	154
576.80	4			8	19	1			2	13	5	7	576.80	213
576.60	5	12		9	4					8	20	12	576.60	283
576.40	3	7		7						1	5	7	576.40	313
576.20	3	7	1	5								1	576.20	330
576.00	1	2	11										576.00	344
575.80	2		12										575.80	358
575.60			1										575.60	359

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 4080: St. Clair S.P., St. Clair, Michigan on St. Clair River

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	575.93	576.73	576.12	576.27	576.82	577.04	577.32	577.27	577.22	577.04	576.57	576.76
2	576.01	576.64	575.98	576.31	576.78	577.08	577.33	577.35	577.28	577.02	576.83	576.77
3	576.00	576.45	575.84	576.39	576.81	577.07	577.31	577.31	577.35	577.04	576.75	576.80
4	576.43	576.32	575.77	576.39	576.92	577.02	577.31	577.28	577.29	577.06	576.77	576.83
5	576.79	576.65	575.95	576.41	576.89	577.05	577.32	577.32	577.30	577.01	576.66	576.64
6	576.74	576.43	575.98	576.89	576.79	577.03	577.30	577.36	577.35	577.05	576.74	576.70
7	576.93	576.39	576.01	576.60	576.72	576.96	577.25	577.27	577.38	577.14	576.75	576.70
8	577.02	576.65	576.05	576.43	576.77	577.07	577.24	577.34	577.29	576.99	576.81	576.83
9	576.94	576.70	575.98*	576.59	576.84	577.07	577.29	577.31	577.25	577.04	576.75	576.80
10	577.29	576.76	/	576.56	576.85	577.11	577.33	577.39	577.29	576.99	576.75	576.57
11	577.23	576.60	/	576.50	576.84	577.19	577.32	577.40	577.14	576.91	576.76	576.58
12	577.14	576.70	/	576.36	576.93	577.12	577.32	577.34	577.08	576.95	576.70	576.81
13	577.13	576.66	/	576.42	576.93	577.12	577.29	577.30	577.17	577.02	576.72	576.62
14	577.25	576.60	/	576.84	576.92	577.06	577.28	577.48	577.43	576.95	576.73	576.71
15	577.11	576.59	/	576.98	576.98	577.10	577.30	577.49	577.32	576.94	576.77	576.56
16	577.26	576.63	576.01*	577.05	576.95	577.09	577.33	577.36	577.24	576.82	576.64	576.88
17	577.10	576.66	575.95	576.97	576.86	577.12	577.31	577.29	577.21	576.84	576.76	576.75
18	577.41	576.66	575.92	576.92	576.86	577.20	577.28	577.31	577.34	576.82	576.60	576.68
19	577.05	576.54	575.88	576.86	576.86	577.13	577.26	577.28	577.26	576.70	576.48	576.54
20	576.98	576.27	575.98	576.77	576.92	577.01	577.24	577.28	577.15	576.76	576.62	576.45
21	577.10	576.18	576.01	576.71	576.95	577.08	577.22	577.29	577.21	576.79	576.56	576.40
22	577.01	576.29	576.00	576.74	576.98	577.19	577.22	577.24	577.21	576.73	576.50	576.43
23	576.61	576.04	575.95	576.71	576.95	577.25	577.20	577.22	577.11	576.85	576.64	576.50
24	576.55	576.36	576.04	576.62	577.08	577.19	577.18	577.26	577.03	576.92	576.70	576.68
25	576.90	576.40	576.17	576.62	577.12	577.18	577.19	577.31	577.10	576.86	576.68	577.10
26	576.67	576.61	576.17	576.71	577.17	577.12	577.30	577.27	577.08	576.84	576.69	576.96
27	576.63	576.58	576.16	576.82	577.10	577.18	577.20	577.25	576.98	576.68	576.79	577.06
28	576.44	576.33	575.98	576.75	577.10	577.17	577.23	577.29	577.02	576.79	576.85	577.08
29	576.36		576.08	576.80	577.09	577.17	577.25	577.26	576.98	576.79	576.82	577.03
30	576.33		576.04	576.84	577.05	577.29	577.16	577.35	577.01	576.69	576.88	576.98
31	576.34		576.25		577.05		577.26	577.27		576.52		576.87*
MEAN	576.80	576.52	576.01	576.66	576.93	577.12	577.27	577.31	577.20	576.89	576.71	576.74
MAX.	577.59	576.92	576.40	577.47	577.38	577.60	577.48	577.61	577.63	577.33	577.20	577.46
	1300/18	1200/10	0200/25	1400/06	0300/26	0300/11	1400/04	2400/14	1200/10	1500/07	2400/15	1100/25
MIN.	575.72	575.82	575.63	576.10	576.49	576.64	576.96	576.89	576.78	576.37	576.18	576.21
	0700/01	1700/23	1500/04	1500/12	0800/07	2300/01	1700/30	0200/07	2100/29	2300/31	1200/01	1300/21

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 576.85

ANNUAL SUMMARY OF LEVELS, 1979
Station 4084: Marysville, Michigan on St. Clair River

INTERNATIONAL GREAT LAKES DATUM (1955)

HIGHEST

Monthly mean elevation:	578.13	Aug
Daily mean elevation:	578.39	15 Aug
Instant/hourly Elevation:	578.63	1830/7 Aug

LOWEST

Monthly mean elevation:	576.73	Mar
Daily mean elevation:	576.40	4 Mar
Instant/hourly Elevation:	576.20	1412/4 Mar

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
577.72	18 Jan
577.32	1 Feb
577.00	31 Mar
577.68	16 Apr
578.01	25 May
578.13	30 Jun
578.18	16 Jul
578.39	15 Aug
578.30	14 Sep
578.00	7 Oct
577.68	2 Nov
577.98	25 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
576.66	3 Jan
576.49	23 Feb
576.40	4 Mar
577.02	2 Apr
577.45	7 May
577.73	7 Jun
577.96	30 Jul
578.01	23 Aug
577.76	29 Sep
577.28	31 Oct
577.24	19 Nov
577.18	21 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
578.20								4	2				578.20	6
578.00					1	6	27	27	15				578.00	82
577.80					6	21	4		10	9		1	577.80	133
577.60	1			5	18	3			3	14	5	10	577.60	192
577.40	10			11	6					7	18	11	577.40	255
577.20	8	3		6						1	7	7	577.20	287
577.00	4	15		8								2	577.00	316
576.80	5	7	7										576.80	335
576.60	3	2	21										576.60	361
576.40		1	2										576.40	364
576.20			1										576.20	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 4084: Marysville, Michigan on St. Clair River

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	576.72	577.32	576.75	577.03	577.60	577.84	578.14	578.10	578.01	577.86	577.28	577.55
2	576.74	577.16	576.61	577.02	577.53	577.87	578.17	578.15	578.07	577.84	577.68	577.57
3	576.66	576.91	576.50	577.16	577.54	577.85	578.12	578.12	578.19	577.83	577.61	577.50
4	577.08	576.85	576.40	577.19	577.72	577.79	578.11	578.07	578.11	577.88	577.60	577.67
5	577.30	577.20	576.62	577.07	577.69	577.89	578.16	578.14	578.10	577.82	577.46	577.33
6	577.19	576.89	576.65	577.64	577.53	577.82	578.11	578.22	578.18	577.82	577.56	577.52
7	577.37	576.88	576.72	577.42	577.45	577.73	578.07	578.06	578.27	578.00	577.58	577.41
8	577.37	577.17	576.74	577.19	577.49	577.83	578.06	578.18	578.15	577.80	577.58	577.68
9	577.27	577.16	576.64	577.38	577.62	577.84	578.07	578.10	578.01	577.88	577.62	577.59
10	577.60	577.22	576.76	577.29	577.63	577.85	578.11	578.20	578.08	577.80	577.58	577.34
11	577.52	577.04	576.80	577.23	577.61	578.03	578.10	578.26	577.94	577.62	577.59	577.35
12	577.42	577.15	576.84	577.04	577.74	577.91	578.09	578.16	577.85	577.72	577.52	577.68
13	577.46	577.11	576.50	577.08	577.71	577.91	578.09	578.06	577.97	577.88	577.53	577.45
14	577.60	577.04	576.98	577.45	577.71	577.82	578.05	578.36	578.30	577.78	577.55	577.54
15	577.43	577.08	576.91	577.62	577.79	577.88	578.09	578.39	578.13	577.74	577.58	577.28
16	577.57	577.13	576.74	577.68	577.77	577.90	578.18	578.20*	578.01	577.61	577.40	577.78
17	577.42	577.13	576.69	577.61	577.64	577.96	578.15	578.07	577.98	577.63	577.58	577.56
18	577.72	577.12*	576.67	577.57	577.64	578.05	578.10	578.09	578.17	577.61	577.39	577.51
19	577.36	577.03	576.61	577.50	577.65	577.93	578.06	578.09	578.07	577.43	577.24	577.33
20	577.34	576.78	576.70	577.44	577.74	577.77	578.04	578.09	577.89	577.53	577.46	577.28
21	577.47	576.73	576.75	577.39	577.80	577.88	578.03	578.13	578.03	577.58	577.37	577.18
22	577.42	576.96*	576.74	577.44	577.80	578.02	578.05	578.03	578.06	577.49	577.29	577.20
23	577.02	576.49*	576.65	577.42	577.76	578.10	577.99	578.01	577.90	577.52	577.43	577.30
24	577.00	577.10*	576.76	577.36	577.95	578.03	577.96	578.05	577.81	577.79	577.46	577.48
25	577.40	577.00*	576.91	577.32	578.01	577.99	577.97	578.14	577.88	577.75	577.46	577.98
26	577.22	577.26*	576.94	577.44	577.95	577.90	578.10	578.08	577.89	577.69	577.26	577.71
27	577.14	577.02*	576.94	577.62	577.86	577.96	578.01	578.05	577.76	577.42	577.56	577.79
28	577.00	576.86*	576.67	577.52	577.86	577.95	578.03	578.10	577.79	577.62	577.62	577.80
29	576.96		576.80	577.55	577.86	577.98	578.08	578.03	577.76	577.65	577.57	577.76
30	576.95		576.75	577.53	577.81	578.13	577.96	578.17	577.81	577.48	577.64	577.71
31	576.96		577.00		577.79		578.08	578.09		577.28		577.61
MEAN	577.25	577.03	576.73	577.37	577.72	577.91	578.08	578.13	578.01	577.69	577.50	577.53
MAX.	577.98	577.46	577.48	578.34	578.26	578.57	578.31	578.63	578.52	578.29	578.15	578.50
	0720/18	2317/01	1830/14	0700/06	1608/15	0300/11	1800/31	1830/07	0625/14	0435/09	2340/15	1045/25
MIN.	576.44	576.34	576.20	576.53	577.26	577.28	577.68	577.34	577.57	577.02	576.68	576.86
	0645/01	1627/23	1412/04	0005/06	1635/07	1755/20	2325/30	0130/07	2345/11	2310/31	1030/26	2240/10

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 577.58

ANNUAL SUMMARY OF LEVELS, 1979

Station 4087: Dry Dock, Port Huron, Michigan on St. Clair River

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	578.63	Aug	577.21	Mar
Daily mean elevation:	578.96	15 Aug	576.85	4 Mar
Instant/hourly Elevation:	579.14	2300/14 Aug	576.65	1400/4 Mar

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
578.02	18 Jan
577.74	1 Feb
577.54	31 Mar
578.21	6 Apr
578.61	25 May
578.64	30 Jun
578.70	16 Jul
578.96	15 Aug
578.86	14 Sep
578.52	7 Oct
578.18	2 Nov
578.57	25 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
577.12	3 Jan
577.01	23 Feb
576.85	4 Mar
577.39	12 Apr
577.89	7 May
578.22	7 Jun
578.43	25 Jul
578.50	23 Aug
578.25	29 Sep
577.73	31 Oct
577.59	26 Nov
577.65	21 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
578.80								2	2				578.80	4
578.60					1	3	6	13	7				578.60	34
578.40					2	10	17	16	12	1		1	578.40	93
578.20				1	13	17			7	15		6	578.20	152
578.00	1			6	10					8	17	11	578.00	205
577.80	4			12	5					6	9	5	577.80	246
577.60	12	2		6						1	3	8	577.60	278
577.40	6	14	5	4							1		577.40	308
577.20	7	9	11	1									577.20	336
577.00	1	3	12										577.00	352
576.80			3										576.80	355

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 4087: Dry Dock, Port Huron, Michigan on St. Clair River

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	577.24	577.74	577.17	577.54	578.08	578.33	578.65*	578.60	578.50	578.36	577.69	578.08
2	577.23	577.55	577.05	577.49	577.98	578.34	/	578.65	578.57	578.30	578.18	578.11
3	577.12	577.26	576.94	577.65	577.98	578.33	/	578.62	578.70	578.32	578.12	577.97
4	577.54	577.21	576.85	577.69	578.23	578.27	/	578.56	578.61	578.37	578.09	578.20
5	577.69	577.62	577.10	577.53	578.18	578.39	/	578.61	578.61	578.31	577.93	577.74
6	577.51	577.24	577.12	578.21	577.99	578.31	/	578.73	578.69	578.32	578.07	578.01
7	577.72	577.24	577.20	577.94	577.89	578.22	/	578.54	578.81	578.52	578.09	577.83
8	577.66	577.58	577.24	577.66	577.94	578.31	/	578.69	578.68	578.29	577.99*	578.21
9	577.55	577.51	577.13	577.89	578.10	578.31	/	578.60	578.52	578.40	578.16	578.09
10	577.88	577.58	577.24	577.75	578.11	578.29	578.61*	578.69	578.58	578.30	578.10	577.81
11	577.79	577.37	577.31	577.68	578.09	578.56	578.58	578.80	578.42	578.06	578.09	577.80
12	577.68	577.50	577.36	577.39	578.23	578.43	578.56	578.67	578.34	578.19	578.03	578.23
13	577.74	577.45	576.95	577.53	578.19	578.40	578.57	578.53	578.47	578.40	578.04	577.94
14	577.89	577.37	577.52	577.90	578.18	578.30	578.52	578.91	578.86	578.30	578.06	578.04
15	577.74	577.44	577.46	578.04	578.29	578.34	578.58	578.96	578.64	578.22	578.07	577.71
16	577.85	577.49	577.23	578.12	578.28	578.38	578.70	578.70	578.50	578.10	577.89	578.34
17	577.67	577.47	577.16	578.03	578.12	578.49	578.66	578.56	578.47	578.13	578.11	578.10
18	578.02	577.45	577.13	578.04	578.10	578.61	578.61	578.59	578.70	578.07	577.86	578.01
19	577.61	577.37	577.05	577.94	578.12	578.42	578.53	578.59	578.58	577.86	577.71	577.79
20	577.60	577.13	577.15	577.88	578.23	578.26	578.53	578.60	578.37	578.00	577.96	577.78
21	577.77	577.09	577.21	577.84	578.32	578.35	578.51	578.64	578.56	578.03	577.84	577.65
22	577.74	577.33	577.21	577.90	578.30	578.54	578.53	578.54	578.59	577.92	577.77	577.69
23	577.34	577.01	577.10	577.86	578.27	578.62	578.47	578.50	578.42	577.91	577.92	577.78
24	577.34	577.50	577.21	577.82	578.50	578.55	578.43	578.54	578.30	578.33	577.94	577.98
25	577.82	577.54	577.40	577.75	578.61*	578.49	578.43	578.66	578.35*	578.31	577.92	578.57
26	577.61	577.54	577.47	577.88	578.49	578.39	578.62	578.59	/	578.23	577.59	578.20
27	577.52	577.43	577.48	578.12	578.34	578.46	578.51	578.55	/	577.88	578.05	578.28
28	577.39	577.26	577.13	577.99	578.34	578.45	578.52	578.62	578.28*	578.14	578.13	578.27
29	577.38		577.31	578.02	578.35	578.47	578.59	578.52	578.25	578.17	578.06	578.23
30	577.38		577.24	577.96	578.29	578.64	578.44	578.68	578.31	577.97	578.14	578.20
31	577.41		577.54		578.28		578.57	578.60		577.73		578.07
MEAN	577.59	577.40	577.21	577.83	578.21	578.41	578.55	578.63	578.52	578.18	577.99	578.02
MAX.	578.25	577.87	578.05	578.85	578.83	579.12	578.81	579.14	579.12	578.77	578.69	579.09
	0700/18	2300/01	2000/14	1200/06	0900/25	0300/11	1000/16	2300/14	0600/14	0500/09	2400/15	1000/25
MIN.	576.94	576.73	576.65	576.97	577.75	578.03	578.21	577.91	578.00	577.43	577.12	577.23
	2000/03	1000/23	1400/04	1500/12	0100/07	0300/21	2300/30	0900/07	1100/20	2300/31	1000/26	2300/10

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 578.04

ANNUAL SUMMARY OF LEVELS, 1979

Station 4090: Mouth of Black River, Port Huron, Michigan on St. Clair River

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	579.04	Aug	577.55	Mar
Daily mean elevation:	579.39	15 Aug	577.14	4 Mar
Instant/hourly Elevation:	579.65	1520/16 Dec	576.91	1440/4 Mar

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
578.16	18 Jan
577.95	1 Feb
577.92	31 Mar
578.53	27 Apr
579.05	25 May
579.04	30 Jun
579.10	16 Jul
579.39	15 Aug
579.27	14 Sep
578.92	7 Oct
578.55	2 Nov
578.92	25 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
577.43	3 Jan
577.24	23 Feb
577.14	4 Mar
577.76	12 Apr
578.26	7 May
578.64	20 Jun
578.80	25 Jul
578.90	23 Aug
578.63	29 Sep
578.06	31 Oct
577.84	26 Nov
577.99	21 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
579.20								3	2				579.20	5
579.00					1	3	8	14	6				579.00	37
578.80					2	9	21	14	13	1		1	578.80	98
578.60					13	6	2		9	15		5	578.60	148
578.40				4	10					6	16	9	578.40	193
578.20				13	5					7	8	6	578.20	232
578.00	3			8						2	5	9	578.00	259
577.80	12	4	5	4							1	1	577.80	286
577.60	8	12	4	1									577.60	311
577.40	8	9	17										577.40	345
577.20		3	4										577.20	352
577.00			1										577.00	353

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 4090: Mouth of Black River, Port Huron, Michigan on St. Clair River

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	577.60	577.95	577.45	577.93	578.45	/	579.07	579.00	578.87	578.74	578.02	578.43
2	577.56	577.63*	577.37	577.82	578.33	/	579.08	579.04	578.93	578.68	578.55	578.44
3	577.43	577.46	577.26	578.01	578.38	/	579.02	579.00	579.11	578.68	578.48	578.26
4	577.84	577.44	577.14	578.07	578.61	/	579.01	578.95	579.00	578.75	578.44	578.56
5	577.95	577.87	577.42	577.83	578.55	/	579.07	579.02	579.00	578.70	578.29	578.05
6	577.74	577.43	577.45	578.50	578.36	/	579.00	579.14	579.10	578.70	578.43	578.38
7	577.97	577.45	577.55	578.31	578.26	/	578.93	578.94	579.24	578.92	578.46	578.18
8	577.85	577.82	577.59	578.01	578.32	/	578.93	579.10	579.08	578.66	578.39	578.61
9	577.71	577.63*	577.46	578.26	578.49	/	578.93	579.02	578.92	578.80	578.52	578.44
10	578.11*	577.76	577.56	578.10	578.50	/	578.97	579.11	578.99	578.67	578.46	578.14
11	577.90*	577.54	577.64	578.01	578.49	/	578.96	579.21	578.83	578.38	578.45	578.13
12	577.81	577.68	577.70	577.76	578.65	/	578.96	579.08	578.73	578.50	578.41	578.62
13	577.86	577.66	577.27	577.86	578.58	578.81*	578.96	578.92	578.87	578.79	578.41	578.32
14	578.03	577.60	577.86	578.24	578.57	578.70	578.94	579.33	579.27	578.68	578.41	578.41
15	577.89	577.69	577.82	578.39	578.69	578.78	578.99	579.39	579.03	578.61	578.42	578.04
16	577.97*	577.74	577.57	578.47	578.67	578.79	579.10	579.10	578.89	578.46	578.20	578.75
17	577.79	577.73	577.48	578.40	578.48	578.89	579.06	578.94	578.86	578.49	578.45	578.46
18	578.16	577.71	577.46	578.38	578.48	579.02	579.00	578.98	579.10	578.46	578.22	578.36
19	577.75	577.60	577.38	578.27	578.50	578.81	578.91	579.02	578.98	578.20	578.04	578.12
20	577.74	577.37	577.48	578.23	578.62	578.64	578.92	578.98	578.74	578.34	578.32	578.12
21	577.92	577.33	577.56	578.20	578.72	578.74	578.88	579.02	578.95	578.39	578.19	577.99
22	577.90	577.59	577.55	578.29	578.70	578.96	578.93	578.93	579.01	578.28	578.08	578.02
23	577.49	577.24	577.42	578.24	578.65	579.04	578.85	578.90	578.82	578.25	578.28	578.14
24	577.47	577.80	577.55	578.20	578.93	578.95	578.80	578.94	578.67	578.73	578.30	578.28*
25	578.00	577.84	577.76	578.13	579.05	578.90	578.80	579.06	578.77	578.72	578.30	578.92*
26	577.78	577.76	577.84	578.28	578.89	578.76	579.02	578.99	578.78	578.63	577.84	578.58
27	577.68	577.64	577.86	578.53	578.72	578.86	578.89	578.94	578.63	578.24	578.39	578.63
28	577.56	577.48	577.45	578.40	578.72	578.83	578.91	579.03	578.66	578.50	578.46	578.62
29	577.56		577.64	578.41	578.71	578.86	578.97	578.94	578.63	578.55	578.41	578.56
30	577.58		577.58	578.32	578.68	579.04	578.81	579.10	578.71	578.34	578.47	578.54
31	577.61		577.92		578.67		578.97	579.01		578.06		578.40
MEAN	577.78	577.62	577.55	578.20	578.59	578.85	578.96	579.04	578.91	578.55	578.34	578.37
MAX.	578.43	578.13	578.47	579.29	579.24	579.40	579.31	579.61	579.63	579.35	579.24	579.65
	0725/18	2320/01	2005/14	1155/06	1435/25	1914/17	1445/02	0225/07	2310/18	0410/09	2315/15	1520/16
MIN.	577.17	576.93	576.91	577.08	577.99	578.13	578.54	578.01	578.31	577.72	577.18	577.46
	2030/03	1155/23	1440/04	0322/06	0720/03	1757/20	0450/25	0120/07	1055/20	2240/31	1007/26	2245/10

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 578.40

ANNUAL SUMMARY OF LEVELS, 1979

Station 4096: Dunn Paper Co., Port Huron, Michigan on St. Clair River

INTERNATIONAL GREAT LAKES DATUM (1955)

HIGHEST			LOWEST		
Monthly mean elevation:	579.49	Aug	Monthly mean elevation:	577.95	Mar
Daily mean elevation:	579.98	15 Aug	Daily mean elevation:	577.51	4 Mar
Instant/hourly Elevation:	580.39	1505/16 Dec	Instant/hourly Elevation:	577.16	0255/6 Apr

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
578.43	18 Jan
578.35	1 Feb
578.34	31 Mar
578.97	27 Apr
579.57	25 May
579.56	23 Jun
579.59	2 Jul
579.98	15 Aug
579.34	1 Sep
	Oct
	Nov
579.34	16 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
577.81	3 Jan
577.61	23 Feb
577.51	4 Mar
578.06	12 Apr
578.70	7 May
579.09	20 Jun
579.24	25 Jul
579.27	7 Aug
579.33	2 Sep
	Oct
	Nov
578.48	21 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
579.80								2					579.80	2
579.60								1					579.60	3
579.40					2	5	19	20					579.40	49
579.20					3	9	12	6	2			1	579.20	82
579.00					11	4						4	579.00	101
578.80				5	9							5	578.80	120
578.60				13	3							3	578.60	139
578.40	2			7								3	578.40	151
578.20	9	3	5	4									578.20	172
578.00	12	9	4	1									578.00	198
577.80	8	10	16										577.80	232
577.60		6	5										577.60	243
577.40			1										577.40	244

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 4096: Dunn Paper Co., Port Huron, Michigan on St. Clair River

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	578.05	578.35	577.84	578.38	578.92	/	579.55	579.46	579.34	/	/	/
2	578.00	578.10	577.76	578.22	578.81	/	579.59	579.46	579.33*	/	/	/
3	577.81	577.78	577.66	578.43	578.81	/	579.52	579.43	/	/	/	/
4	578.22	577.79	577.51	578.49	579.08	/	579.51	579.38	/	/	/	/
5	578.25	578.20	577.78	578.22	579.02	/	579.56	579.43	/	/	/	/
6	577.99	577.75	577.82	578.89	578.80	/	579.49	579.58	/	/	/	/
7	578.23	577.82	577.95	578.79	578.70	/	579.44	579.27	/	/	/	/
8	578.10	578.16	577.98	578.48	578.77	/	579.41	579.51	/	/	/	/
9	577.95	578.02	577.84	578.69	578.97	/	579.41	579.41	/	/	/	/
10	578.28	578.11	577.96	578.52	578.91*	/	579.44	579.52	/	/	/	/
11	578.17	577.90	578.06	578.43	578.88*	/	579.42	579.67	/	/	/	/
12	578.07	578.03	578.12	578.06	579.09*	/	579.43	579.51	/	/	/	/
13	578.14	577.98	577.63	578.25	579.06	579.23*	579.43	579.31	/	/	/	/
14	578.29	577.92	578.29	578.62	579.03	579.15	579.38	579.81	/	/	/	578.97*
15	578.11	577.98	578.27	578.74	579.17	579.19	579.43	579.98*	/	/	/	578.48
16	578.23	578.06	577.98	578.85	579.15	579.26	579.58	/	/	/	/	579.34
17	578.03	578.02	577.92	578.75	578.96	579.35	579.56	/	/	/	/	578.99
18	578.43	577.98	577.89	578.76	578.96	579.54	579.47	579.49*	/	/	/	578.89
19	577.99	577.88	577.79	578.68	578.99	579.34	579.40	579.48	/	/	/	578.64
20	578.00	577.69	577.87	578.62	579.10	579.09	579.38	579.46	/	/	/	578.66
21	578.22	577.67	577.96	578.60	579.22	579.17	579.35	579.50	/	/	/	578.48
22	578.22	577.97	577.95	578.69	579.16	579.45	579.40	579.41	/	/	/	578.51
23	577.83	577.61	577.82	578.67	579.13	579.56	579.33	579.36	/	/	/	578.63
24	577.88	578.21	577.96	578.61	579.43	579.48	579.24	579.39	/	/	/	578.81*
25	578.42	578.28	578.16	578.53	579.57	579.40	579.24	579.53	/	/	/	/
26	578.23	578.10	578.27	578.69	579.35	579.27	579.49	579.47	/	/	/	/
27	578.12	577.97	578.30	578.97	579.20	579.34	579.37	579.42	/	/	/	579.06*
28	578.04	577.86	577.86	578.84	579.21*	579.36	579.38	579.49	/	/	/	579.08
29	578.04		578.08	578.87	/	579.35	579.46	579.37	/	/	/	579.02
30	578.05		577.96	578.71	/	579.54	579.27	579.59	/	/	/	579.01
31	578.10		578.34		/		579.40	579.49		/		578.87
MEAN	578.11	577.97	577.95	578.60	579.05	579.34	579.43	579.49	579.34	/	/	578.84
MAX.	578.75	578.81	579.04	579.85	579.94	579.95	579.71	580.03	579.54			580.39
	0705/18	1825/25	1955/14	1140/06	1432/25	1915/17	1040/05	2330/14	0900/01			1505/16
MIN.	577.23	577.21	577.19	577.16	578.27	578.61	579.02	578.69	579.10			577.90
	0610/09	0950/21	1415/04	0255/06	1455/07	1200/15	2315/30	0930/07	0200/01			1120/15

ANNUAL MEAN: 578.81

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

ANNUAL SUMMARY OF LEVELS, 1979

Station 4098: Fort Gratiot, Port Huron, Michigan on St. Clair River

INTERNATIONAL GREAT LAKES DATUM (1955)

HIGHEST			LOWEST		
Monthly mean elevation:	579.81	Jun	Monthly mean elevation:	578.29	Feb
Daily mean elevation:	580.16	24 Jun	Daily mean elevation:	577.90	6 Feb
Instant/hourly Elevation:	580.38	0300/26 May	Instant/hourly Elevation:	577.32	0300/6 Apr

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
578.72	25 Jan
578.68	25 Feb
578.77	27 Mar
579.44	27 Apr
580.09	25 May
580.16	24 Jun
	Jul
	Aug
	Sep
	Oct
	Nov
	Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
578.05	9 Jan
577.90	6 Feb
578.13	4 Mar
578.44	12 Apr
579.11	7 May
579.59	10 Jun
	Jul
	Aug
	Sep
	Oct
	Nov
	Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
580.00					1	5							580.00	6
579.80					2	9							579.80	17
579.60					10	14							579.60	41
579.40				1	6	2							579.40	50
579.20				6	10								579.20	66
579.00				8	2								579.00	76
578.80				10									578.80	86
578.60	2	2	5	2									578.60	97
578.40	11	4	10	3									578.40	125
578.20	13	15	13										578.20	166
578.00	5	4	3										578.00	178
577.80		3											577.80	181

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 4098: Fort Gratiot, Port Huron, Michigan on St. Clair River

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	578.38	578.51	578.26*	578.85	579.32	579.61	/	/	/	/	/	/
2	578.54	578.50	578.22*	578.67	579.34	579.70	/	/	/	/	/	/
3	578.44	578.26	578.17*	578.77	579.24	579.65	/	/	/	/	/	/
4	578.39	578.13	578.13*	578.96	579.50	579.62	/	/	/	/	/	/
5	578.55	578.28*	578.20*	578.60	579.54	579.70	/	/	/	/	/	/
6	578.48	577.90*	578.29*	579.29	579.21	579.75	/	/	/	/	/	/
7	578.44	578.07	578.37	579.28	579.11	579.63	/	/	/	/	/	/
8	578.45	578.39	578.43*	578.94	579.16	579.60	/	/	/	/	/	/
9	578.05	578.40	578.43*	579.19	579.37	579.65	/	/	/	/	/	/
10	578.33	578.32	578.40*	578.94	579.40	579.59	/	/	/	/	/	/
11	578.44	578.28	578.46*	578.84	579.36	579.87	/	/	/	/	/	/
12	578.37	578.21	578.53*	578.44	579.54	579.94	/	/	/	/	/	/
13	578.35	578.23	578.45	578.60	579.62	579.86	/	/	/	/	/	/
14	578.43	578.15	578.39	578.97	579.52	579.75	/	/	/	/	/	/
15	578.39	578.25	578.64*	579.11	579.56	579.67	/	/	/	/	/	/
16	578.40	578.33	578.63*	579.22	579.61	579.71	/	/	/	/	/	/
17	578.26	578.34	578.55	579.13	579.35	579.72	/	/	/	/	/	/
18	578.64	578.30	578.48*	579.16	579.37	580.15	/	/	/	/	/	/
19	578.17	578.25	578.34*	579.04	579.40	580.15	/	/	/	/	/	/
20	578.20	578.11	578.34	578.98	579.54	579.89	/	/	/	/	/	/
21	578.44	577.94	578.39	578.99	579.70	579.70	/	/	/	/	/	/
22	578.45	578.30	578.43*	579.15	579.74	579.77	/	/	/	/	/	/
23	578.06	577.92	578.27	579.06	579.64	580.01	/	/	/	/	/	/
24	578.14	578.58	578.34	579.00	579.93	580.16	/	/	/	/	/	/
25	578.72	578.68	578.58	578.92	580.09	580.13	/	/	/	/	/	/
26	578.48	578.62	578.69	579.10	579.90	579.95	/	/	/	/	/	/
27	578.38	578.47	578.77	579.44	579.76	579.82	/	/	/	/	/	/
28	578.31	578.33	578.29	579.37	579.70	579.84	/	/	/	/	/	/
29	578.31		578.46	579.34	579.68	579.82	/	/	/	/	/	/
30	578.38		578.36	579.21	579.66	579.90	/	/	/	/	/	/
31	578.38		578.71		579.62		/	/		/		/
MEAN	578.38	578.29	578.42	579.02	579.53	579.81	/	/	/	/	/	/
MAX.	578.97	579.06	578.92	580.23	580.38	580.25						
	0700/18	0900/24	2000/31	1200/06	0300/26	0100/19						
MIN.	577.84	577.46	578.11	577.32	578.89	579.54						
	2400/23	1000/21	0500/20	0300/06	1600/07	2200/10						

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

ANNUAL MEAN: 578.91

ANNUAL SUMMARY OF LEVELS, 1979

Station 5002: Lakeport, Michigan on Lake Huron

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	580.06	Aug	578.35	Feb
Daily mean elevation:	580.51	15 Aug	578.00	23 Feb
Instant/hourly Elevation:	580.78	0300/15 Aug	577.32	0300/6 Apr

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
578.89	25 Jan
578.87	1 Feb
578.89	31 Mar
579.51	27 Apr
580.16	25 May
580.11	23 Jun
580.19	2 Jul
580.51	15 Aug
580.37	14 Sep
580.00	7 Oct
579.65	9 Nov
580.00	25 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
578.15	23 Jan
578.00	23 Feb
578.13	13 Mar
578.60	12 Apr
579.22	7 May
579.55	7 Jun
579.78	25 Jul
579.87	29 Aug
579.62	27 Sep
579.03	31 Oct
578.61	26 Nov
578.99	21 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
580.40								2					580.40	2
580.20								1	2				580.20	5
580.00					2	6	12	16	8				580.00	49
579.80					2	10	16	12	10	4		2	579.80	105
579.60					13	12	3		9	13	2	3	579.60	160
579.40				1	9	2				6	17	13	579.40	208
579.20				8	5					5	7	4	579.20	237
579.00				13						3	2	8	579.00	263
578.80	1	2	3	4							1	1	578.80	275
578.60	7	2	5	3							1		578.60	293
578.40	9	5	9	1									578.40	317
578.20	12	13	10										578.20	352
578.00	1	5	1										578.00	359
577.80		1											577.80	360

INTERNATIONAL
GREAT LAKES
DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 5002: Lakeport, Michigan on Lake Huron

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	578.55	578.87	/	578.88	579.46	579.69	580.12	580.05	579.88	579.77	578.95	579.54
2	578.51	578.56	578.28*	578.70	579.33	579.74	580.19	580.06	579.88*	579.72	579.64	579.52
3	578.25	578.26	/	578.97	579.31	579.71	580.09	580.02	/	579.70	579.55	579.29
4	578.61	578.30	/	579.03	579.67	579.64	580.10	579.97	580.02*	579.79	579.53	579.67
5	578.58	578.64	578.25*	578.70	579.58	579.85	580.15	580.05	580.02	579.67	579.33	579.01
6	578.26	578.13	578.29	579.28	579.30	579.67	580.08	580.18	580.14	579.69	579.51	579.44
7	578.47	578.21	578.41	579.35	579.22	579.55	580.00	579.91	580.27	580.00	579.49	579.16
8	578.29	578.51*	578.44	579.03	579.28	579.71	579.98	580.12	580.13	579.72	579.41	579.67
9	578.21	578.26*	578.33	579.22	579.48	579.73	579.97	580.00	579.91	579.83	579.65	579.48
10	578.48	578.47	578.40	579.03	579.52	579.61	580.01	580.11	579.99	579.71	579.53	579.16
11	578.35	578.18	578.54	578.94	579.49	580.06	579.97	580.30	579.85	579.33	579.56	579.14
12	578.28	578.33	578.61	578.60	579.68	579.88	579.95	580.12	579.69	579.56	579.49	579.73
13	578.39	578.27	578.13	578.68	579.61	579.83	579.97	579.88	579.90	579.83	579.48	579.35
14	578.52	578.23	578.81	578.99	579.56	579.67	579.92	580.43	580.37	579.74	579.50	579.50
15	578.37	578.31	578.79	579.15	579.74	579.76	579.99	580.51	580.08	579.65	579.50	579.02
16	578.46	578.42	578.51	579.29	579.70	579.77	580.15	580.16	579.89	579.49	579.23	579.86
17	578.28	578.34	578.44	579.21	579.50	579.88	580.13	579.93	579.84	579.53	579.58	579.54
18	578.68	578.30	578.37	579.22	579.48	580.06	580.06	580.00	580.16	579.47	579.28	579.45
19	578.24	578.20	578.34	579.11	579.52	579.84	579.96	580.04	580.03	579.14	579.09	579.23
20	578.46	578.03	578.40	579.06	579.68	579.59	579.92	580.06	579.71	579.32	579.42	579.17
21	578.23*	578.04	578.53	579.04	579.81	579.71	579.92	580.09	579.98	579.37	579.29	578.99
22	/	578.38	578.54	579.20	579.74	580.01	579.95	579.96	580.03	579.29	579.11	579.02
23	578.15*	578.00	578.33	579.13	579.72	580.11	579.87	579.89	579.83	579.13	579.32	579.16
24	578.32	578.67	578.45	579.08	580.02	580.04	579.78	579.94	579.65	579.84	579.33	579.44
25	578.89	578.81	578.64	579.03	580.16	579.96	579.78	580.09	579.77	579.80	579.38	580.00
26	578.72	578.52*	578.79	579.20	579.92	579.81	580.05	580.01	579.79	579.70	578.61	579.51
27	578.52	578.36	578.82	579.51	579.74	579.88	579.90	579.95	579.62	579.23	579.45	579.59
28	578.68	578.29	578.36	579.38	579.74	579.86	579.93	580.03	579.68	579.57	579.50	579.57
29	578.75		578.65	579.40	579.74	579.87	580.02	579.87	579.64	579.63	579.42	579.51
30	578.69		578.44	579.20	579.69	580.09	579.80	580.11	579.75	579.41	579.49	579.51
31	578.72		578.89		579.65		579.96	579.98		579.03		579.37
MEAN	578.46	578.35	578.49	579.09	579.61	579.82	579.99	580.06	579.91	579.57	579.39	579.41
MAX.	579.13	579.12	579.55	580.36	580.32	580.66	580.35	580.78	580.70	580.28	580.28	580.67
	2300/25	1800/25	1900/14	1200/06	1400/25	0200/11	1000/05	0300/15	0600/14	0400/09	2300/15	1000/25
MIN.	577.86	577.59	577.87	577.32	578.99	578.98	579.40	579.24	579.32	578.67	577.87	578.31
	0500/09	1600/23	1000/13	0300/06	0500/03	2200/20	2300/30	0100/07	1000/20	2200/31	1400/26	1100/09

ANNUAL MEAN: 579.35

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

ANNUAL SUMMARY OF LEVELS, 1979

Station 5014: Harbor Beach, Michigan on Lake Huron

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	580.02	Aug	578.31	Feb
Daily mean elevation:	580.38	15 Aug	578.01	4 Mar
Instant/hourly Elevation:	580.58	0500/15 Aug	577.79	1400/23 Feb

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
578.65	29 Jan
578.67	1 Feb
578.81	31 Mar
579.44	27 Apr
579.87	25 May
580.04	23 Jun
580.10	2 Jul
580.38	15 Aug
580.16	7 Sep
579.88	7 Oct
579.67	2 Nov
579.68	4 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
578.21	20 Jan
578.06	23 Feb
578.01	4 Mar
578.58	12 Apr
579.23	7 May
579.55	7 Jun
579.80	24 Jul
579.89	22 Aug
579.62	27 Sep
579.07	31 Oct
578.92	26 Nov
579.06	21 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
580.20								2					580.20	2
580.00						1	6	11	7				580.00	27
579.80					2	12	24	18	13	1			579.80	97
579.60					12	16	1		10	15	1	4	579.60	156
579.40				1	12	1				9	16	15	579.40	210
579.20				6	5					4	9	7	579.20	241
579.00				11						2	3	5	579.00	262
578.80			1	7							1		578.80	271
578.60	5	1	4	4									578.60	285
578.40	15	6	12	1									578.40	319
578.20	11	15	12										578.20	357
578.00		6	2										578.00	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 5014: Harbor Beach, Michigan on Lake Huron

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	578.45	578.67	578.27	578.80	579.44	579.64	580.04	579.95	579.87	579.72	579.08	579.48
2	578.47	578.48	578.24	578.69	579.32	579.73	580.10	580.00	579.97	579.64	579.67	579.46
3	578.45	578.26	578.13	578.92	579.29	579.70	580.04	580.00	580.09	579.68	579.56	579.45
4	578.65	578.31	578.01	578.87	579.62	579.64	580.00	579.98	579.98	579.74	579.54	579.68
5	578.61	578.60	578.26	578.78	579.55	579.78	580.06	580.01	579.95	579.66	579.33	579.20
6	578.33	578.24	578.31	579.20	579.31	579.64	580.02	580.08	580.03	579.72	579.40	579.46
7	578.42	578.22	578.37	579.26	579.23	579.55	579.98	579.96	580.16	579.88	579.50	579.28
8	578.30	578.50	578.36	578.94	579.34	579.69	579.94	580.07	580.04	579.70	579.52	579.64
9	578.32	578.34	578.34	578.98	579.52	579.72	579.91	579.99	579.91	579.68	579.59	579.58
10	578.45	578.43	578.41	578.98	579.52	579.70	579.98	580.02	580.00	579.68	579.45	579.31
11	578.34	578.16	578.51	578.87	579.47	579.99	579.92	580.15	579.81	579.42	579.48	579.23
12	578.24	578.26	578.57	578.58	579.67	579.85	579.91	580.05	579.70	579.58	579.43	579.59
13	578.32	578.24	578.28	578.64	579.57	579.80	579.91	580.00	579.83	579.76	579.42	579.34
14	578.42	578.13	578.67	579.00	579.57	579.70	579.90	580.33	580.13	579.71	579.45	579.45
15	578.43	578.24	578.69	579.11	579.66	579.80	579.95	580.38	580.03	579.62	579.45	579.24
16	578.43	578.32	578.49	579.22	579.66	579.84	580.04	580.08	579.87	579.45	579.26	579.67
17	578.29	578.29	578.42	579.14	579.48	579.84	580.00	579.97	579.88	579.48	579.56	579.50
18	578.56	578.22	578.34	579.15	579.48	579.92	579.97	579.98	580.08	579.44	579.28	579.46
19	578.26	578.17	578.30	579.07	579.52	579.77	579.94	580.01	579.96	579.19	579.14	579.23
20	578.21	578.12	578.35	579.03	579.67	579.62	579.92	579.96	579.78	579.41	579.39	579.15
21	578.43	578.11	578.46	579.05	579.78	579.70	579.92	579.98	579.88	579.44	579.27	579.06
22	578.53	578.38	578.46	579.18	579.67	579.98	579.92	579.89	579.88	579.33	579.16	579.10
23	578.30	578.06	578.32	579.09	579.60	580.04	579.85	579.90	579.72	579.31	579.31	579.18
24	578.25	578.47	578.41	579.06	579.81	579.91	579.80	579.94	579.68	579.76	579.36	579.41
25	578.65	578.48	578.56	579.03	579.87	579.89	579.81	580.08	579.77	579.73	579.32	579.62
26	578.58	578.35	578.72	579.21	579.79	579.80	580.00	580.00	579.78	579.64	578.92	579.44
27	578.44	578.32	578.76	579.44	579.70	579.88	579.90	579.95	579.62	579.33	579.46	579.50
28	578.53	578.26	578.42	579.28	579.72	579.85	579.86	580.01	579.65	579.52	579.54	579.52
29	578.65		578.59	579.34	579.72	579.85	579.95	579.91	579.64	579.60	579.46	579.49
30	578.61		578.53	579.26	579.64	580.00	579.81	580.09	579.69	579.37	579.57	579.45
31	578.55		578.81		579.59		579.91	579.96		579.07		579.34
MEAN	578.43	578.31	578.43	579.04	579.57	579.79	579.94	580.02	579.88	579.56	579.40	579.40
MAX.	578.80	578.80	579.06	579.77	580.01	580.19	580.22	580.58	580.28	580.05	579.88	580.08
	2300/25	2100/01	1900/14	2000/06	0800/25	0100/11	1400/02	0500/15	2300/18	1500/07	0900/17	1300/16
MIN.	578.03	577.79	577.88	578.12	579.06	579.37	579.57	579.37	579.53	578.83	578.47	578.80
	0800/20	1400/23	0900/04	0200/06	0100/03	0100/21	2100/30	0200/10	2200/29	2100/31	1300/26	2200/10

ANNUAL MEAN: 579.31

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

ANNUAL SUMMARY OF LEVELS, 1979

Station 5035: Essexville, Michigan on Lake Huron (Saginaw Bay)

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	580.03	Aug	578.32	Feb
Daily mean elevation:	580.89	25 May	577.94	26 Nov
Instant/hourly Elevation:	581.68	1200/24 May	575.85	0400/6 Apr

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
578.56	26 Jan
578.51	1 Feb
578.87	31 Mar
579.64	27 Apr
580.89	25 May
580.45	18 Jun
580.35	16 Jul
580.53	15 Aug
580.33	7 Sep
580.24	2 Oct
579.80	9 Nov
580.33	25 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
577.98	3 Jan
578.07	4 Feb
578.19	4 Mar
578.06	6 Apr
579.25	7 May
579.37	10 Jun
579.65	30 Jul
579.44	13 Aug
579.36	20 Sep
578.64	23 Oct
577.94	26 Nov
578.16	3 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
580.80					1								580.80	1
580.60													580.60	1
580.40					1	2		1					580.40	5
580.20							1	4	3	1		1	580.20	15
580.00						3	11	14	5			1	580.00	49
579.80					4	12	16	7	10	4		2	579.80	104
579.60				1	11	6	3	4	9	7	1	1	579.60	147
579.40				2	10	6		1	2	9	3	3	579.40	183
579.20				7	4	1			1	5	16	11	579.20	228
579.00				14						4	6	7	579.00	259
578.80			1	2							2	3	578.80	267
578.60			5	2						1			578.60	275
578.40	14	3	16	1								1	578.40	310
578.20	13	15	8								1		578.20	347
578.00	3	1	1	1								1	578.00	354
577.80	1										1		577.80	356

INTERNATIONAL
GREAT LAKES
DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 5035: Essexville, Michigan on Lake Huron (Saginaw Bay)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	578.47	578.51	578.33	579.06	579.46	579.72	580.20	580.28	579.83	579.98	578.38	579.90
2	578.32	578.47	578.30	578.65	579.44	579.68	580.17	580.01	579.78	580.24	579.26	579.35
3	577.98	578.29	578.28	578.90	579.40	579.70	580.07	579.91	580.24	579.55	579.26	578.16
4	578.32	578.07	578.19	579.18	579.72	579.55	580.15	579.90	580.06	579.81	579.40	579.39
5	578.44	578.45*	578.27	578.50	579.65	579.94	580.18	580.09	579.95	579.59	579.24	578.82
6	578.06	578.33	578.33	578.06	579.51	579.82	580.04	580.26	580.06	579.55	579.57	579.26
7	578.42	578.23	578.51	579.26	579.25	579.53	579.97	579.70	580.33	579.72	579.25	578.97
8	578.17	578.40	578.45	579.31	579.32	579.80	580.00	580.13	580.20	579.69	578.87	579.39
9	578.06	578.29	578.43	579.40	579.57	579.87	580.01	580.05	579.66	579.88	579.80	578.93
10	578.40	578.36	578.31	579.06	579.60	579.37	580.04	580.16	579.89	579.65	579.47	579.19
11	578.30	578.26	578.48	579.11	579.48	580.17	579.93	580.37	579.90	579.14	579.38	579.05
12	578.30	578.30	578.51	578.91	579.73	579.95	579.96	580.13	579.68	579.20	579.31	579.73
13	578.50	578.30	578.33	578.77	579.56	579.86	579.97	579.44	579.97	579.62	579.36	579.32
14	578.27	578.29	578.49	579.01	579.56	579.57	579.86	580.25	580.28	579.52	579.39	579.27
15	578.25	578.32	578.61	579.11	579.80	579.56	579.93	580.53	579.91	579.52	579.32	578.54
16	578.42	578.30	578.38	579.27	579.72	579.77	580.35	580.13	579.82	579.53	578.87	579.91
17	578.21	578.31*	578.47	579.18	579.36	579.85	580.15	579.70	579.62	579.52	579.36	579.03
18	578.53	/	578.45	579.26	579.45	580.45	579.98	579.99	579.92	579.56	579.27	579.35
19	578.38	/	578.42	579.13	579.53	579.91	579.89	580.05	580.04	579.09	579.11	579.20
20	578.30	/	578.43	579.08	579.69	579.50	579.93	580.09	579.36	579.34	579.33	579.19
21	578.39	/	578.52	579.11	579.90	579.50	579.87	580.19	579.95	579.33	579.43	579.18
22	578.43	/	578.56	579.19	579.85	579.99	579.92	579.97	580.15	579.22	579.28	579.12
23	578.40	/	578.43	579.24	580.00	580.15	579.84	579.88	579.82	578.64	579.17	579.22
24	578.38	/	578.58	579.12	580.56	580.11	579.68	579.67	579.60	579.69	579.12	580.12
25	578.46	/	578.66	579.01	580.89	579.98	579.67	580.00	579.65	579.82	579.40	580.33
26	578.56	/	578.69	579.22	579.99	579.64	580.07	580.04	579.75	579.64	577.94	579.42
27	578.46	578.30*	578.73	579.64	579.74	579.97	579.88	579.95	579.55	579.23	579.01	579.45
28	578.49	578.31	578.52	579.44	579.75	579.91	579.92	580.08	579.64	579.36	579.18	579.38
29	578.55		578.66	579.44	579.80	579.99	579.98	579.77	579.63	579.62	579.13	579.36
30	578.54		578.57	579.16	579.74	580.41	579.65	580.10	579.71	579.50	579.26	579.42
31	578.46		578.87		579.73		580.03	580.02		579.18		579.26
MEAN	578.36	578.32	578.48	579.09	579.70	579.84	579.98	580.03	579.86	579.51	579.20	579.30
MAX.	578.90	578.63	579.14	580.10	581.68	580.94	580.85	580.87	581.24	580.67	580.16	581.66
	0100/01	1500/08	1900/31	0300/09	1200/24	0300/11	2000/16	0200/15	1900/10	0300/09	2200/09	0300/25
MIN.	577.56	577.77	577.95	575.85	579.06	578.57	579.39	578.53	578.67	577.72	576.27	577.40
	0300/09	1300/04	1800/04	0400/06	0600/07	2100/10	2400/30	0900/07	1300/20	1200/23	1700/26	1200/09

ANNUAL MEAN: 579.31

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

ANNUAL SUMMARY OF LEVELS, 1979
Station 5059: Harrisville, Michigan on Lake Huron

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	579.93	Aug	578.18	Feb
Daily mean elevation:	580.16	15 Aug	578.04	23 Feb
Instant/hourly Elevation:	580.29	0005/15 Aug	577.83	1340/23 Feb

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
578.61	4 Jan
578.40	5 Feb
578.69	31 Mar
579.30	27 Apr
579.68	26 May
579.92	23 Jun
579.96	2 Jul
580.16	15 Aug
579.97	7 Sep
579.66	7 Oct
579.60	2 Nov
579.60	4 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
578.14	24 Jan
578.04	23 Feb
578.14	19 Mar
578.48	12 Apr
579.21	3 May
579.51	7 Jun
579.77	25 Jul
579.81	22 Aug
579.56	27 Sep
579.10	31 Oct
579.02	26 Nov
579.08	22 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
580.00								5					580.00	5
579.80						4	25	26	15				579.80	75
579.60					7	19	6		11	4			579.60	122
579.40					18	7			4	17	10	4	579.40	182
579.20				2	6					9	16	21	579.20	236
579.00				9						1	4	6	579.00	256
578.80				9									578.80	265
578.60	1		2	9									578.60	277
578.40	4		7	1									578.40	289
578.20	16	9	18										578.20	332
578.00	6	19	4										578.00	361

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 5059: Harrisville, Michigan on Lake Huron

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	578.29	578.35	578.14	578.69	579.32	579.54	579.92	579.85	579.88	579.57	579.12	579.38
2	578.41	578.32	578.31	578.61	579.24	579.68	579.96	579.94	579.94	579.52	579.60	579.33
3	578.50	578.19	578.24	578.85	579.21	579.61	579.93	579.96	579.97	579.64	579.46	579.52
4	578.61	578.13	578.20	578.74	579.49	579.57	579.89	579.88	579.91	579.66	579.44	579.60
5	/	578.40	578.30	578.74	579.45	579.60	579.93	579.92	579.90	579.59	579.31	579.33
6	/	578.25	578.31	578.79	579.26	579.54	579.94	579.94	579.92	579.59	579.24	579.41
7	/	578.18	578.27	579.05	579.23	579.51	579.90	579.88	579.97	579.66	579.41	579.25
8	/	578.28	578.22	578.78	579.36	579.60	579.84	580.01	579.90	579.62	579.47	579.38
9	578.30	578.22	578.23	578.73	579.46	579.64	579.80	579.96	579.86	579.52	579.45	579.50
10	578.32	578.24	578.29	578.81	579.43	579.65	579.84	579.95	579.89	579.57	579.32	579.31
11	578.25	578.13	578.35	578.72	579.43	579.82	579.84	580.06	579.71	579.39	579.36	579.26
12	578.19	578.15	578.41	578.48	579.56	579.74	579.83	579.99	579.67	579.48	579.33	579.40
13	578.24	578.16	578.29	578.66	579.52	579.72	579.80	579.96	579.77	579.55	579.32	579.25
14	578.15	578.13	578.37	578.97	579.53	579.64	579.82	580.06	579.88	579.57	579.32	579.30
15	578.36	578.12	578.52	579.03	579.54	579.75	579.88	580.16	579.93	579.53	579.32	579.28
16	578.32	578.13	578.51	579.11	579.58	579.73	579.88	579.99	579.80	579.36	579.25	579.36
17	578.18	578.16	578.35	579.01	579.42	579.70	579.82	579.94	579.85	579.42	579.48	579.33
18	578.34	578.08	578.23	578.98	579.48	579.78	579.84	579.89	579.92	579.37	579.23	579.40
19	578.20	578.10	578.14	578.93	579.48	579.70	579.85	579.91	579.81	579.29	579.14	579.12
20	578.14	578.16	578.15	578.89	579.56	579.55	579.81	579.84	579.79	579.43	579.30	579.10*
21	578.21	578.08	578.25	578.92	579.63	579.67	579.81	579.85	579.76	579.44	579.27	579.12
22	578.35	578.21	578.27	579.06	579.58	579.84	579.82	579.81	579.74	579.33	579.11	579.08
23	578.31	578.04	578.27	578.99	579.48	579.92	579.77	579.84	579.63	579.36	579.24	579.16*
24	578.14	578.24	578.22	578.98	579.63	579.78	579.77	579.88	579.61	579.53	579.39	579.23*
25	578.31	578.15	578.37	579.01	579.66	579.79	579.77	579.97	579.66	579.50	579.29	579.18*
26	578.40	578.11	578.53	579.13	579.68	579.73	579.87	579.87	579.66	579.48	579.02	579.37*
27	578.31	578.16	578.62	579.30	579.63	579.80	579.83	579.87	579.56	579.38	579.44	579.34*
28	578.32	578.12	578.44	579.16	579.64	579.75	579.84	579.90	579.60	579.38	579.45	579.40
29	578.43		578.51	579.25	579.62	579.74	579.89	579.88	579.58	579.46	579.36	579.34
30	578.43		578.50	579.20	579.53	579.89	579.80	580.01	579.60	579.31	579.49	579.40
31	578.29		578.69		579.49		579.84	579.91		579.10		579.26
MEAN	578.31	578.18	578.34	578.92	579.49	579.70	579.85	579.93	579.79	579.47	579.33	579.31
MAX.	578.80	578.50	578.79	579.58	579.98	580.12	580.08	580.29	580.17	579.88	579.82	579.81
	1115/04	0850/05	2400/31	1112/27	1610/20	0535/11	1843/02	0005/15	1520/10	0242/04	1325/02	0255/04
MIN.	577.83	577.83	577.98	577.90	578.99	579.17	579.55	579.48	579.46	578.95	578.63	578.91
	0508/14	1340/23	1300/01	0312/06	1542/03	2050/20	1933/30	0555/07	0735/30	2130/31	1747/26	0444/22

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 579.22

ANNUAL SUMMARY OF LEVELS, 1979

Station 5080: Mackinaw City, Michigan on Straits of Mackinac

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	579.94	Aug	578.19	Feb
Daily mean elevation:	580.13	13 Aug	578.00	14 Jan
Instant/hourly Elevation:	580.73	0800/7 Aug	577.41	0600/6 Apr

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
578.54	3 Jan
578.39	6 Feb
578.75	30 Mar
579.24	29 Apr
579.70	18 May
579.98	21 Jun
579.95	30 Jul
580.13	13 Aug
580.08	1 Sep
579.65	3 Oct
579.82	1 Nov
579.75	3 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
578.00	14 Jan
578.02	25 Feb
578.13	14 Mar
578.38	6 Apr
579.30	2 May
579.62	5 Jun
579.78	16 Jul
579.81	15 Aug
579.62	29 Sep
579.38	25 Oct
579.23	21 Nov
579.03	16 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
580.00								6	5				580.00	11
579.80						7	30	25	10		1		579.80	84
579.60					9	23	1		15	4	1	2	579.60	139
579.40					16					23	12	4	579.40	194
579.20				3	6					4	16	21	579.20	244
579.00				10								4	579.00	258
578.80				8									578.80	266
578.60			2	8									578.60	276
578.40	5		11										578.40	292
578.20	16	12	15	1									578.20	336
578.00	9	14	3										578.00	362
577.80	1												577.80	363

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 5080: Mackinaw City, Michigan on Straits of Mackinac

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	578.18	578.10	578.13	578.66	579.32	579.67	579.85	579.81	580.08	579.52	579.82	579.26
2	578.41	578.24	578.26	578.68	579.30	579.73	579.86	579.94	580.04	579.49	579.68	579.43
3	578.54	578.32	578.20	578.77	579.33	579.67	579.87	579.97	579.88	579.65	579.43	579.75
4	578.36	578.11	578.39	578.72	579.39	579.71	579.83	579.93	579.96	579.56	579.45	579.36
5	578.48	578.21	578.37	578.94	579.38	579.62	579.86	579.88	580.03	579.63	579.41	579.54
6	578.53	578.39	578.36	578.38	579.39	579.65	579.90	579.90	579.90	579.55	579.24	579.38
7	578.31	578.25	578.26	578.82	579.56	579.76	579.92	580.06	579.80	579.48	579.52	579.27
8	578.38	578.07	578.30	578.79	579.59	579.66	579.89	579.92	579.86	579.50	579.51	579.33
9	578.20	578.28	578.45	578.69	579.48	579.68	579.89	579.95	580.01	579.47	579.26	579.48
10	578.24	578.15	578.38	578.82	579.46	579.80	579.91	579.91	579.85	579.56	579.28	579.46
11	578.25	578.26	578.34	578.77	579.54	579.73	579.92	579.93	579.84	579.59	579.35	579.38
12	578.26	578.13	578.36	578.77	579.54	579.75	579.89	580.02	579.88	579.56	579.47	579.20
13	578.16	578.19	578.51	578.95	579.58	579.74	579.89	580.13	579.80	579.39	579.28	579.33
14	578.00	578.26	578.13	579.02	579.58	579.84	579.93	579.82	579.71	579.53	579.31	579.31
15	578.30	578.13	578.32	578.99	579.51	579.88	579.94	579.81	579.87	579.48	579.25	579.69
16	578.30	578.09	578.45	578.98	579.55	579.79	579.78	579.91	579.85	579.47	579.45	579.03
17	578.33	578.11*	578.41	578.97	579.70	579.79	579.83	580.01	580.02	579.40	579.30	579.27
18	578.22	/	578.39	578.99	579.70	579.72	579.87	579.92	579.70	579.42	579.32	579.30
19	578.36	/	578.38	579.01	579.63	579.74	579.92	579.89	579.75	579.61	579.36	579.24
20	578.30	578.25*	578.43	579.07	579.62	579.89	579.89	579.88	579.85	579.60	579.24	579.27
21	578.18	578.25	578.43	579.06	579.59	579.98	579.94	579.85	579.62	579.56	579.23	579.27
22	578.21	578.23	578.39	579.08	579.56	579.77	579.87	579.88	579.68	579.53	579.28	579.24
23	578.42	578.35	578.45	579.06	579.50	579.76	579.89	579.95	579.66	579.62	579.46	579.21
24	578.19	578.05	578.23	579.13	579.54	579.75	579.92	580.04	579.78	579.38	579.54	579.09
25	578.11	578.02	578.32	579.22	579.52	579.81	579.89	579.98	579.72	579.38	579.34	579.09
26	578.24	578.08	578.45	579.18	579.60	579.96	579.87	579.93	579.64	579.44	579.49	579.26
27	578.24	578.20	578.56	579.15	579.67	579.78	579.89	579.93	579.73	579.58	579.54	579.23
28	578.17	578.20	578.74	579.18	579.65	579.78	579.84	579.95	579.70	579.41	579.43	579.23
29	578.17		578.54	579.24	579.62	579.79	579.89	580.06	579.62	579.41	579.34	579.23
30	578.23		578.75	579.21	579.61	579.82	579.95	579.95	579.63	579.44	579.37	579.23
31	578.10		578.60		579.64		579.84	579.94		579.51		579.26
MEAN	578.27	578.19	578.40	578.94	579.54	579.77	579.88	579.94	579.82	579.51	579.40	579.31
MAX.	578.89	578.58	578.98	579.41	579.95	580.39	580.22	580.73	580.28	580.01	580.36	580.08
	1300/06	1300/23	1700/30	2100/28	0500/18	0100/21	2000/30	0800/07	0200/01	0400/23	1200/01	1300/03
MIN.	577.75	577.77	577.80	577.41	578.99	579.41	579.62	579.59	579.44	579.24	578.99	578.70
	0500/14	2200/04	1500/14	0600/06	1800/03	1200/20	0600/28	1500/07	2100/18	0600/24	0500/21	2100/07

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 579.25

ANNUAL SUMMARY OF LEVELS, 1979

Station 5098: DeTour, Michigan on Lake Huron

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST		
Monthly mean elevation:	579.68	Jun	579.06	Apr	
Daily mean elevation:	579.84	15 Jun	578.92	17 Apr	
Instant/hourly Elevation:	580.08	1647/20 Jun	578.69	2045/21 Apr	

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date	
		Jan
		Feb
		Mar
579.27	29	Apr
579.65	27	May
579.84	15	Jun
		Jul
		Aug
		Sep
		Oct
		Nov
		Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date	
		Jan
		Feb
		Mar
578.92	17	Apr
579.10	3	May
579.55	1	Jun
		Jul
		Aug
		Sep
		Oct
		Nov
		Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
579.80						1							579.80	1
579.60					4	17							579.60	22
579.40					18	3							579.40	43
579.20				1	8								579.20	52
579.00				7	1								579.00	60
578.80				6									578.80	66

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 5098: DeTour, Michigan on Lake Huron

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	/	/	/	/	579.29	579.55	/	/	/	/	/	/
2	/	/	/	/	579.28	579.68	/	/	/	/	/	/
3	/	/	/	/	579.10	579.61	/	/	/	/	/	/
4	/	/	/	/	579.33	579.64	/	/	/	/	/	/
5	/	/	/	/	579.40	579.60	/	/	/	/	/	/
6	/	/	/	/	579.29	579.56	/	/	/	/	/	/
7	/	/	/	/	579.40	579.62	/	/	/	/	/	/
8	/	/	/	/	579.51	579.62	/	/	/	/	/	/
9	/	/	/	/	579.45	579.63	/	/	/	/	/	/
10	/	/	/	/	579.40	579.69	/	/	/	/	/	/
11	/	/	/	/	579.42	579.71	/	/	/	/	/	/
12	/	/	/	/	579.50	579.68	/	/	/	/	/	/
13	/	/	/	/	579.52	579.72	/	/	/	/	/	/
14	/	/	/	/	579.51	579.74	/	/	/	/	/	/
15	/	/	/	/	579.46	579.84	/	/	/	/	/	/
16	/	/	/	/	579.53	579.76	/	/	/	/	/	/
17	/	/	/	578.92*	579.62	579.69	/	/	/	/	/	/
18	/	/	/	578.96	579.65	579.69	/	/	/	/	/	/
19	/	/	/	578.94	579.58	579.69	/	/	/	/	/	/
20	/	/	/	578.98	579.58	579.76	/	/	/	/	/	/
21	/	/	/	578.94	579.56	579.80*	/	/	/	/	/	/
22	/	/	/	579.04	579.58	/	/	/	/	/	/	/
23	/	/	/	578.97	579.39	/	/	/	/	/	/	/
24	/	/	/	579.05	579.48	/	/	/	/	/	/	/
25	/	/	/	579.17	579.47	/	/	/	/	/	/	/
26	/	/	/	579.15	579.59	/	/	/	/	/	/	/
27	/	/	/	579.20	579.65	/	/	/	/	/	/	/
28	/	/	/	579.13	579.64	/	/	/	/	/	/	/
29	/		/	579.27	579.60	/	/	/	/	/	/	/
30	/		/	579.10	579.56	/	/	/	/	/	/	/
31	/		/		579.54		/	/		/		/
MEAN	/	/	/	579.06	579.48	579.68	/	/	/	/	/	/
MAX.				579.47	579.88	580.08						
				1540/29	1927/18	1647/20						
MIN.				578.69	578.74	579.18						
				2045/21	1747/03	0100/11						

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 579.41

ANNUAL SUMMARY OF LEVELS, 1979

Station 5099: DeTour Village, Michigan on Lake Huron

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	579.89	Aug	578.15	Feb
Daily mean elevation:	580.04	13 Aug	577.86	14 Jan
Instant/hourly Elevation:	580.36	0700/7 Aug	577.30	0700/6 Apr

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
578.62	5 Jan
578.36	6 Feb
578.72	28 Mar
579.24	29 Apr
579.64	27 May
579.86	26 Jun
579.90	30 Jul
580.04	13 Aug
580.00	2 Sep
579.59	11 Oct
579.67	2 Nov
579.68	15 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
577.86	14 Jan
577.99	26 Feb
578.03	1 Mar
578.40	6 Apr
579.11	3 May
579.55	1 Jun
579.76	4 Jul
579.79	1 Aug
579.57	21 Sep
579.32	28 Oct
579.08	22 Nov
578.79	25 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
580.00								1					580.00	1
579.80						4	26	28	13				579.80	72
579.60					5	24	5	2	14		1	2	579.60	125
579.40					18	2			3	19	10	6	579.40	183
579.20				1	7					12	17	16	579.20	236
579.00				9	1						2	6	579.00	254
578.80				10									578.80	264
578.60	1		2	6								1	578.60	274
578.40	4		5	3									578.40	286
578.20	14	7	20	1									578.20	328
578.00	10	19	4										578.00	361
577.80	2	2											577.80	365

INTERNATIONAL
GREAT LAKES
DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 5099: DeTour Village, Michigan on Lake Huron

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	578.08	578.06	578.03	578.65	579.27	579.55	579.83	579.79	579.98	579.54	579.49	579.21
2	578.33	578.26	578.21	578.56	579.29	579.70	579.82	579.86	580.00	579.38	579.67	579.27
3	578.57	578.24	578.17	578.77	579.11	579.64	579.88	579.97	579.90	579.57	579.49	579.67
4	578.48	578.06	578.24	578.66	579.34	579.66	579.76	579.87	579.89	579.59	579.43	579.54
5	578.62	578.29	578.33	578.85	579.42	579.62	579.83	579.84	579.96	579.52	579.40	579.51
6	578.56	578.36	578.33	578.40	579.27	579.59	579.89	579.87	579.89	579.59	579.13	579.41
7	578.35	578.14	578.24	579.00	579.39	579.65	579.87	579.95	579.82	579.42	579.43	579.25
8	578.34	578.10	578.21	578.79	579.50	579.64	579.85	579.90	579.81	579.52	579.53	579.21
9	578.28	578.20	578.38	578.57	579.46	579.64	579.82	579.92	579.93	579.34	579.40	579.57
10	578.27	578.13	578.34	578.81	579.40	579.71	579.84	579.85	579.89	579.57	579.21	579.51
11	578.28	578.20	578.37	578.76	579.42	579.75	579.87	579.90	579.74	579.59	579.30	579.33
12	578.24	578.08	578.40	578.58	579.51	579.71	579.86	579.95	579.79	579.46	579.45	579.23
13	578.09	578.15	578.47	578.62	579.54	579.75	579.84	580.04	579.76	579.36	579.30	579.23
14	577.86	578.17	578.08	578.95	579.53	579.75	579.87	579.81	579.64	579.50	579.26	579.22
15	578.37	578.04	578.39	578.96	579.47	579.86	579.89	579.88	579.85	579.48	579.23	579.68
16	578.35	578.02	578.46	579.00	579.54	579.77	579.77	579.86	579.79	579.39	579.28	579.09
17	578.25	578.14	578.37	578.95	579.63	579.71	579.77	579.95	579.92	579.35	579.43	579.22
18	578.21	578.10	578.29	578.98	579.63	579.71	579.83	579.86	579.78	579.40	579.30	579.43
19	578.32	578.15	578.26	578.97	579.58	579.71	579.88	579.87	579.71	579.47	579.27	579.20
20	578.16	578.29	578.29	579.01	579.57	579.76	579.82	579.81	579.82	579.58	579.21	579.21
21	578.06	578.16	578.39	578.97	579.56	579.84	579.86	579.80	579.57	579.54	579.25	579.27
22	578.19	578.22	578.36	579.07	579.58	579.76	579.86	579.81	579.63	579.51	579.08	579.16
23	578.47	578.24	578.36	579.01	579.39	579.80	579.82	579.89	579.61	579.55	579.30	579.18
24	578.05	578.03	578.19	579.06	579.47	579.69	579.86	579.96	579.69	579.32	579.53	579.03
25	578.00	577.99	578.21	579.15	579.47	579.77	579.83	579.99	579.69	579.37	579.36	578.79
26	578.25	577.99	578.35	579.12	579.59	579.86	579.81	579.90	579.66	579.38	579.29	579.21
27	578.18	578.17	578.57	579.17	579.64	579.81	579.89	579.86	579.65	579.58	579.45	579.20
28	578.09	578.19	578.72	579.12	579.63	579.74	579.77	579.91	579.68	579.32	579.46	579.22
29	578.16		578.48	579.24	579.61	579.70	579.88	579.94	579.58	579.43	579.31	579.26
30	578.26		578.65	579.07	579.55	579.77	579.90	579.95	579.59	579.37	579.38	579.26
31	578.05		578.58		579.52		579.78	579.93		579.35		579.23
MEAN	578.25	578.15	578.35	578.89	579.48	579.72	579.84	579.89	579.77	579.46	579.35	579.28
MAX.	578.91	578.48	578.86	579.36	579.77	580.00	580.04	580.36	580.15	579.85	579.87	579.94
	2100/03	1500/06	2000/30	1800/29	1700/20	0700/15	2100/30	0700/07	1600/01	1500/27	0700/08	1500/03
MIN.	577.60	577.81	577.91	577.30	578.81	579.31	579.65	579.64	579.44	579.15	578.78	578.49
	1100/14	1300/26	1400/01	0700/06	1800/03	0100/11	0200/31	1500/07	2400/21	0500/28	2200/26	2200/07

ANNUAL MEAN: 579.20

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

ANNUAL SUMMARY OF LEVELS, 1979

Station 6050: Frechette Point, Michigan on St. Marys River

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	580.99	Aug	579.60	Apr
Daily mean elevation:	581.22	7 Aug	579.17	1 Jan
Instant/hourly Elevation:	581.65	0613/7 Aug	578.71	1225/6 Apr

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
579.97	6 Jan
579.74	20 Feb
579.80	28 Mar
579.85	7 Apr
580.37	18 May
580.84	20 Jun
581.07	30 Jul
581.22	7 Aug
581.13	2 Sep
580.73	4 Oct
580.53	1 Nov
580.43	5 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
579.17	1 Jan
579.47	1 Feb
579.50	19 Mar
579.25	6 Apr
579.51	3 May
580.10	1 Jun
580.41	2 Jul
580.68	14 Aug
580.67	30 Sep
579.98	24 Oct
579.83	20 Nov
579.25	25 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
581.20								1					581.20	1
581.00							1	10	6				581.00	18
580.80						1	18	14	15				580.80	66
580.60						6	8	1	9	5			580.60	95
580.40						11	4			7	3	2	580.40	122
580.20					6	10				10	8	4	580.20	160
580.00					13	2				6	14	7	580.00	202
579.80	4			1	7					3	5	4	579.80	226
579.60	14	12	24	12								10	579.60	298
579.40	5	12	7	14	1							3	579.40	340
579.20	1			1								1	579.20	343
579.00	1												579.00	344

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 6050: Frechette Point, Michigan on St. Marys River

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	579.17	579.47*	579.61	579.64	579.81*	580.10	580.50	580.93	581.10	580.69	580.53	580.05
2	579.38	579.59	579.63	579.52	579.90	580.23	580.41	580.89	581.13	580.57	580.48	579.95
3	579.67	579.59	579.64	579.58	579.51	580.21	580.67	581.10*	580.94	580.70	580.32	580.43
4	579.89	579.62	579.67	579.59	/	580.23	580.56	580.98	581.00	580.73	580.18	580.24
5	579.69	579.61*	579.71	579.60	/	580.14	580.57	580.89	581.10	580.61	580.25	580.43
6	579.97	579.71*	579.68	579.25	/	580.34	580.66	580.96	580.94	580.68	579.91	580.11
7	579.84	579.63	579.65	579.85	/	580.44	580.75	581.22	580.86	580.39	580.15	580.12
8	579.71	579.59	579.62	579.69	580.00*	580.38	580.76	580.96	580.85	580.54	580.41	579.79
9	579.78*	579.50*	579.64	579.49	579.94	580.42	580.75	581.00	581.01	580.20	580.28	580.28
10	579.70	/	579.69	579.59	580.06	580.48	580.84	580.99*	581.03	580.32	579.93	580.36
11	579.64*	/	579.69	579.61	580.06	580.46	580.91	/	580.91	580.43	580.08	579.92
12	/	579.61*	579.66	579.51	579.98	580.51	580.91	/	580.94	580.25	580.29	579.59
13	/	579.62*	579.71	579.42	580.16	580.61	580.90	/	580.87	580.00	580.10	579.81
14	/	579.59	579.53	579.67	580.11	580.67	580.92	580.68*	580.70	580.20	579.98	579.74
15	/	579.52	579.65	579.77	580.00	580.73	580.91	580.81	580.89	580.21	580.05	580.33
16	/	579.53	579.71	579.76	580.09	580.70	580.76	580.91	580.94	580.24	580.05	579.52
17	/	/	579.61	579.71	580.35	580.62	580.78*	581.10	581.05	580.08	580.18	579.73*
18	579.67*	/	579.52	579.62	580.37	580.53	580.84	580.97	580.91	580.26	580.18	580.06*
19	579.72*	579.73*	579.50	579.55	580.26	580.57	580.93*	580.95	580.80	580.44	580.09	580.12
20	579.64	579.74	579.52	579.57	580.16	580.84	580.90	580.96	580.99	580.36	579.83	580.06
21	579.54	579.68	579.63	579.51*	579.98	580.71	580.92	/	580.69	580.34	580.07	580.03
22	579.67	579.62	579.64	579.58	580.21	580.31	580.94*	/	580.73	580.34	579.90	579.82
23	579.85	579.62	579.58	579.57	580.01	580.30	580.90*	581.06	580.78	580.47	580.12	579.76
24	579.70	579.60	579.52	579.60	580.04	580.41	580.93	581.09	580.89	579.98	580.32	579.60
25	579.53	579.56	579.58	579.71	580.02	580.41	580.99	581.07	580.82	579.99	580.34	579.25
26	579.64	579.52	579.69	579.64	580.15	580.52	580.86	581.06	580.78	580.07	580.33	579.72
27	579.64	579.58	579.77	579.64	580.21	580.40	580.96	581.00	580.77	580.54	580.20	579.67
28	579.55	579.66	579.80	579.61*	580.17	580.36	580.78	581.01	580.83	580.13	580.24	579.62
29	579.54		579.68	/	580.18	580.44	580.94*	581.09	580.74	580.20	580.07	579.71
30	579.63		579.70	/	580.20	580.38	581.07*	581.02	580.67	580.29	580.03	579.74
31	579.51		579.62		580.23		580.94*	581.07		580.47		579.72
MEAN	579.65	579.60	579.64	579.60	580.08	580.45	580.82	580.99	580.89	580.35	580.16	579.91
MAX.	580.05	579.81	579.90	580.02	580.56	581.28	581.39	581.65	581.35	580.95	580.90	580.80
	0828/07	0700/20	0930/13	0907/07	1755/17	1900/20	1945/30	0613/07	2045/17	2300/03	0418/08	0717/05
MIN.	579.12	579.28	579.31	578.71	578.76	579.66	580.32	580.47	580.25	579.62	579.35	579.00
	0430/01	1340/26	2240/24	1225/06	1845/03	2055/01	1535/04	1858/14	1540/21	2015/24	1408/20	1200/25

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 580.18

ANNUAL SUMMARY OF LEVELS, 1979

Station 6060: US Slip below locks, Sault St Marie, Michigan on St Marys River

INTERNATIONAL GREAT LAKES DATUM (1955)

HIGHEST			LOWEST		
Monthly mean elevation:	581.64	Aug	Monthly mean elevation:	579.84	Apr
Daily mean elevation:	581.89	7 Aug	Daily mean elevation:	579.32	6 Apr
Instant/hourly Elevation:	582.29	0900/7 Aug	Instant/hourly Elevation:	578.82	1400/6 Apr

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
580.71	23 Jan
580.61	20 Feb
580.42	1 Mar
580.08	7 Apr
580.72	18 May
581.27	15 Jun
581.70	30 Jul
581.89	7 Aug
581.75	2 Sep
581.37	4 Oct
581.02	1 Nov
580.88	5 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
579.43	1 Jan
580.32	1 Feb
579.77	24 Mar
579.32	6 Apr
579.79	3 May
580.49	5 Jun
580.89	2 Jul
581.47	15 Aug
581.34	30 Sep
580.50	25 Oct
580.28	20 Nov
579.60	25 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
581.80								2					581.80	2
581.60							3	18	10				581.60	33
581.40							19	11	14				581.40	77
581.20						3	3		6	5			581.20	94
581.00						7	4			5	1		581.00	111
580.80						9	2			7	3	2	580.80	134
580.60	2	1			3	9				9	12	5	580.60	175
580.40	13	21	2		11	2				5	10	4	580.40	243
580.20	11	6	10		11						4	5	580.20	290
580.00	1		8	1	3							9	580.00	312
579.80	2		10	21	2							5	579.80	352
579.60	1		1	7	1								579.60	362
579.40	1											1	579.40	364
579.20				1									579.20	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 6060: US Slip below locks, Sault St Marie, Michigan on St Marys River

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	579.43	580.32	580.42	579.87	579.90	580.49	580.96	581.59	581.68	581.35	581.02	580.53
2	579.65	580.40	580.41	579.74	580.15	580.64	580.89	581.51	581.75	581.18	580.93	580.44
3	579.95	580.38	580.36	579.79	579.79	580.62	581.15	581.72	581.56	581.32	580.81	580.86
4	580.22	580.44	580.38	579.78	579.87	580.62	581.08	581.63	581.61	581.37	580.65	580.69
5	579.95	580.43	580.34	579.82	580.12	580.49	581.10	581.55	581.71	581.27	580.74	580.88
6	580.37	580.54	580.30	579.32	580.18	580.74	581.16	581.60	581.64	581.33	580.38	580.56
7	580.25	580.53	580.27	580.08	580.40	580.88	581.26	581.89	581.51	581.03	580.62	580.62
8	580.17	580.50	580.21	579.91	580.23	580.84	581.25	581.65	581.53	581.13	580.89	580.26
9	580.28	580.52	580.19	579.71	580.24	580.91	581.26	581.64	581.67	580.77	580.74	580.70
10	580.22	580.52	580.23	579.81	580.38	581.00	581.42	581.66	581.71	580.81	580.40	580.72
11	580.27	580.47	580.20	579.84	580.40	580.96	581.50	581.59	581.56	580.89	580.54	580.26
12	580.30	580.55	580.16	579.76	580.35	581.06	581.51	581.61	581.59	580.75	580.74	579.93
13	580.24	580.51	580.22	579.66	580.49	581.14	581.51	581.88	581.56	580.53	580.56	580.15
14	580.21	580.44	580.13	579.90	580.45	581.19	581.53	581.52	581.39	580.65	580.45	580.08
15	580.49	580.43	580.29	579.98	580.33	581.27	581.52	581.47	581.56	580.68	580.53	580.65
16	580.54	580.45	580.29	579.97	580.41	581.24	581.41	581.56	581.57	580.72	580.50	579.92
17	580.43	580.54	580.14	579.93	580.68	581.15	581.42	581.74	581.69	580.58	580.63	580.14
18	580.43	580.47	580.01	579.86	580.72	581.01	581.47	581.66	581.61	580.72	580.64	580.39
19	580.47	580.51	579.93	579.83	580.61	581.03	581.55	581.60	581.43	580.90	580.54	580.46
20	580.48	580.61	579.86	579.86	580.51	581.24	581.52	581.61	581.64	580.83	580.28	580.30
21	580.44	580.55	579.88	579.77	580.34	581.20	581.54	581.56	581.39	580.82	580.52	580.35
22	580.58	580.45	579.86	579.82	580.56	580.80	581.58	581.59	581.40	580.84	580.35	580.14
23	580.71	580.44	579.81	579.85	580.37	580.80	581.52	581.67	581.41	581.01	580.56	580.09
24	580.62	580.46	579.77	579.87	580.40	580.90	581.55	581.70	581.49	580.54	580.74	579.93
25	580.47	580.40	579.87	579.98	580.38	580.80	581.65	581.70	581.48	580.50	580.77	579.60
26	580.50	580.37	579.99	579.92	580.48	580.88	581.51	581.67	581.44	580.59	580.77	580.04
27	580.48	580.38	580.02	579.93	580.54	580.80	581.60	581.62	581.39	581.01	580.67	579.99
28	580.42	580.44	580.05	579.88	580.52	580.72	581.45	581.62	581.48	580.64	580.72	579.94
29	580.35		579.94	579.94	580.49	580.86	581.57	581.70	581.40	580.70	580.53	580.03
30	580.42		579.93	579.91	580.55	580.81	581.70	581.69	581.34	580.76	580.50	580.04
31	580.37		579.84		580.58		581.63	581.67		580.95		580.02
MEAN	580.31	580.47	580.11	579.84	580.37	580.90	581.41	581.64	581.54	580.88	580.62	580.28
MAX.	580.81	581.11	580.59	580.25	580.87	581.60	582.05	582.29	581.94	581.59	581.33	581.23
	1000/26	0900/15	2200/02	0900/07	1900/17	1900/20	0100/31	0900/07	1900/01	0900/06	0700/08	1200/05
MIN.	579.15	580.20	579.68	578.82	579.27	580.26	580.79	581.29	581.14	580.33	580.05	579.36
	0900/05	0800/03	2200/24	1400/06	2100/03	1800/01	1700/02	1000/02	1900/21	1700/13	1900/20	1200/25

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 580.70

ANNUAL SUMMARY OF LEVELS, 1979

Station 6070: SW Pier above locks, Sault St Marie, Michigan on St Marys River

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST		
Monthly mean elevation:	601.15	Jul	599.50	Feb	
Daily mean elevation:	601.84	14 Aug	599.20	14 Feb	
Instant/hourly Elevation:	602.74	1319/8 Nov	597.79	0733/12 Apr	

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
600.13	1 Jan
599.95	4 Feb
600.06	24 Mar
600.83	6 Apr
600.99	25 May
601.58	22 Jun
601.48	1 Jul
601.84	14 Aug
601.41	18 Sep
601.39	23 Oct
601.52	8 Nov
601.10	17 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
599.39	19 Jan
599.20	14 Feb
599.28	2 Mar
599.23	12 Apr
599.94	7 May
600.63	6 Jun
601.01	23 Jul
600.84	31 Aug
600.78	27 Sep
600.38	31 Oct
600.61	18 Nov
600.35	10 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
601.80								1				
601.60												
601.40						2	1		1		1	
601.20						5	7	7	6	5	3	
601.00						10	23	16	12	8	12	4
600.80				1	9	9		7	10	10	8	14
600.60					7	4			1	6	6	8
600.40					7					1		2
600.20				4	5					1		3
600.00	4		1	10	2							
599.80	4	1	6	7	1							
599.60	13	6	11	6								
599.40	9	12	11									
599.20	1	8	2	1								
599.00		1										

Elev. (ft.)	No. of days above elev.
601.80	1
601.60	1
601.40	6
601.20	39
601.00	124
600.80	192
600.60	224
600.40	234
600.20	247
600.00	264
599.80	283
599.60	319
599.40	351
599.20	363
599.00	364

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 6070: SW Pier above locks, Sault St Marie, Michigan on St Marys River

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	600.13	599.64	599.45	599.80	600.28	600.90	601.48	601.22	600.89	600.92	600.94	600.89
2	599.92	599.48	599.28	600.06	600.15	600.82	601.38	601.17	601.29	600.94	601.17	600.85
3	600.07	599.54	599.49	599.91	600.58	600.80	601.25	601.18	601.23	600.93	601.24	600.97
4	600.08	599.95	599.65	599.81	600.51	600.91	601.35	601.12	600.96	601.00	601.06	600.97
5	599.88	599.63	599.69	600.03	600.26	600.98	601.28	601.32	601.03	600.93	601.06	600.82
6	599.65	599.32	599.57	600.83	600.06	600.63	601.20	601.08	601.36	601.10	601.21	600.89
7	599.69	599.66	599.66	599.82	599.94	600.82	601.14	601.15	601.29	601.02	601.00	601.00
8	599.64	599.68	599.57	599.74	600.24	601.01	601.12	601.32	601.09	600.85	601.52	601.09
9	599.92	599.48	599.57	599.97	600.63	600.98	601.09	601.10	600.95	600.95	601.09	600.93
10	599.66	599.53	599.86	599.92	600.29	601.22	601.09	601.36	601.17	600.94	601.17	600.35
11	599.60	599.36	599.74	599.70	600.48	601.09	601.08	601.22	600.83	600.71	600.94	601.03
12	599.57	599.48	599.61	599.23	600.60	601.04	601.06	601.01	601.02	601.23	600.98	600.92
13	599.70	599.34	599.61	599.64	600.52	600.89	601.02	601.24	601.19	601.26	601.08	600.61
14	600.01	599.20	599.89	599.98	600.62	600.78	601.05	601.84	601.31	601.01	600.94	600.99
15	599.82	599.35	599.61	600.16	600.70	600.94	601.12	601.40	601.20	600.96	601.06	600.87
16	599.62	599.64	599.52	600.16	600.54	601.05	601.27	601.11	601.03	600.74	600.93	601.09
17	599.59	599.41	599.42	600.03	600.29	601.17	601.16	601.06	601.03	601.03	600.93	601.10
18	599.46	599.32	599.42	599.88	600.50	601.13	601.07	601.12	601.41	600.58	600.61	600.40
19	599.39	599.30	599.33	599.71	600.74	600.90	601.08	601.05	601.03	600.74	600.67	600.54
20	599.47	599.38	599.55	599.74	600.81	600.70	601.06	601.07	601.08	600.67	601.19	600.44
21	599.54	599.56	599.66	600.08	600.94	601.11	601.02	600.97	601.28	601.02	600.84	600.37
22	599.60	599.35	599.58	600.03	600.78	601.58	601.13	600.85	601.04	601.08	600.74	600.62
23	599.59	599.43	599.89	600.05	600.87	601.49	601.01	600.92	600.93	601.39	600.72	600.70
24	599.76	599.73	600.06	600.06	600.91	601.27	601.03	601.03	600.85	601.32	600.77	600.73
25	599.77	599.60	599.96	600.11*	600.99	601.12	601.25	601.12	601.03	601.22	600.72	600.73
26	599.66	599.58	599.91	/	600.95	601.09	601.17	600.96	600.97	601.03	601.02	600.68
27	599.62	599.48	599.73	600.33*	600.95	601.31	601.20	601.05	600.78	600.76	601.15	600.86
28	599.70	599.49	599.55	600.33	600.89	601.20	601.12	600.94	600.94	601.19	601.01	600.87
29	599.72		599.79	600.23	600.84	601.27	601.07	600.98	600.93	600.97	601.24	600.87
30	599.61		599.70	600.34	600.71	601.36	601.04	601.20	600.98	600.71	601.04	600.77
31	599.60		599.98		600.64		601.34	600.84		600.38		600.74
MEAN	599.71	599.50	599.65	599.99	600.59	601.05	601.15	601.13	601.07	600.95	601.00	600.80
MAX.	600.86	600.39	600.52	601.99	601.46	602.32	602.12	602.28	602.24	601.99	602.74	602.33
	0525/05	1520/04	0140/31	0300/06	2400/09	1215/10	1357/04	1511/14	1505/01	1959/22	1319/08	2302/15
MIN.	598.75	598.48	598.81	597.79	598.28	599.13	600.33	599.61	599.53	599.70	599.82	599.05
	1812/25	0713/23	0131/19	0733/12	0158/10	0103/04	0119/19	1832/31	1707/01	0938/27	1517/22	1202/10

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 600.55

ANNUAL SUMMARY OF LEVELS, 1979
Station 7023: Ludington, Michigan on Lake Michigan

INTERNATIONAL
GREAT LAKES
DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	580.15	Aug	578.53	Feb
Daily mean elevation:	580.31	20 Jun	578.18	5 Jan
Instant/hourly Elevation:	580.63	0900/29 Aug	578.04	0500/5 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
578.82	24 Jan
578.67	15 Feb
579.12	30 Mar
579.78	30 Apr
580.05	31 May
580.31	20 Jun
580.22	25 Jul
580.30	10 Aug
580.28	1 Sep
580.07	31 Oct
580.07	1 Nov
579.76	1 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
578.18	5 Jan
578.30	5 Feb
578.41	15 Mar
578.72	6 Apr
579.56	1 May
579.87	23 Jun
580.02	21 Jul
579.87	14 Aug
579.79	18 Sep
579.59	14 Oct
579.30	17 Nov
579.24	4 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
580.20						1	1	12	4				580.20	18
580.00					3	21	30	17	9	2	2		580.00	102
579.80					20	8		2	16	15	1		579.80	164
579.60				1	6				1	13	9	8	579.60	202
579.40				10	2					1	16	15	579.40	246
579.20				9							2	8	579.20	265
579.00			3	7									579.00	275
578.80	1		7	1									578.80	284
578.60	10	5	15	2									578.60	316
578.40	17	22	6										578.40	361
578.20	1	1											578.20	363
578.00	2												578.00	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 7023: Ludington, Michigan on Lake Michigan

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	578.74	578.42	578.64	579.09	579.56	580.01	580.09	580.12	580.28	579.88	580.07	579.76
2	578.66	578.45	578.41	579.21	579.69	579.89	580.06	580.08	580.23	580.00	579.49	579.69
3	578.48	578.65	578.64	578.94	579.82	579.91	580.10	580.06	580.15	579.90	579.59	579.41
4	578.18	578.53	578.86	579.19	579.58	579.89	580.15	580.23	580.20	579.80	579.60	579.24
5	578.18	578.30	578.68	579.25	579.70	579.90	580.10	580.26	580.09	579.89	579.75	579.60
6	578.40	578.59	578.69	578.72	579.99	580.00	580.08	580.12	580.12	579.79	579.79	579.48
7	578.48	578.64	578.75	578.78	580.02	580.09	580.12	580.18	580.04	579.73	579.59	579.70
8	578.54	578.49	578.75	579.12	579.89	580.01	580.14	580.10	580.10	579.83	579.39	579.44
9	578.44	578.57	578.75	579.17	579.88	580.08	580.17	580.25	580.00	579.89	579.44	579.27
10	578.45	578.51	578.67	579.04	579.90	580.12	580.15	580.30	580.02	579.78	579.60	579.59
11	578.47	578.59	578.59	579.22	579.92	579.95	580.14	580.12	580.22	579.93	579.63	579.63
12	578.54	578.55	578.53	579.56	579.76	580.02	580.15	580.16	580.25	579.84	579.52	579.46
13	578.70	578.59	578.75	579.58	579.80	580.04	580.17	580.16	580.12	579.66	579.54	579.63
14	578.62	578.57	578.56	579.26	579.84	580.09	580.16	579.87	579.98	579.59	579.56	579.41
15	578.41	578.67	578.41	579.17	579.87	580.01	580.16	579.90	579.88	579.64	579.50	579.36
16	578.51	578.55	578.54	579.15	579.79	580.11	580.11	580.03	580.02	579.81	579.53	579.31
17	578.76	578.46	578.65	579.26	579.89	580.08	580.09	580.06	579.89	579.78	579.30	579.32
18	578.56	578.54	578.77	579.26	579.91	580.07	580.06	580.15	579.79	579.80	579.62	579.39
19	578.67	578.55	578.79	579.31	579.92	580.10	580.04	580.08	579.87	579.92	579.66	579.62
20	578.74	578.51	578.83	579.38	579.86	580.31	580.07	580.24	579.86	579.82	579.48	579.54
21	578.71	578.63	578.72	579.47	579.77	580.18	580.02	580.21	579.85	579.86	579.63	579.49
22	578.47	578.44	578.73	579.29	579.89	580.00	580.04	580.23	579.83	580.02	579.90	579.57
23	578.55	578.66	578.92	579.42	580.03	579.87	580.08	580.26	579.89	580.00	579.70	579.59
24	578.82	578.46	578.99	579.47	579.85	580.06	580.14	580.24	579.93	579.72	579.56	579.73
25	578.60	578.51	579.07	579.52	579.84	580.04	580.22	580.06	579.81	579.67	579.63	579.74
26	578.52	578.51	578.88	579.44	579.84	580.02	580.11	580.17	579.83	579.66	580.04	579.58
27	578.67	578.46	578.78	579.43	579.89	580.02	580.18	580.23	579.88	579.84	579.60	579.50
28	578.62	578.45	578.91	579.59	579.88	580.08	580.09	580.18	579.86	579.74	579.56	579.40
29	578.43		579.02	579.52	579.90	580.19	580.03	580.26	579.92	579.69	579.64	579.39
30	578.44		579.12	579.78	579.99	580.14	580.18	580.14	579.84	579.86	579.52	579.44
31	578.56		578.98		580.05		580.09	580.26		580.07		579.50
MEAN	578.55	578.53	578.75	579.29	579.86	580.04	580.11	580.15	579.99	579.82	579.61	579.51
MAX.	579.05	579.08	579.41	580.15	580.21	580.58	580.40	580.63	580.48	580.47	580.40	580.00
	1000/01	0600/23	1800/30	0300/13	2100/31	1700/20	2400/30	0900/29	0300/01	1600/22	1000/01	2300/24
MIN.	578.04	578.12	578.19	578.48	579.35	579.71	579.87	579.70	579.65	579.49	579.11	579.00
	0500/05	0700/28	2300/02	1800/06	0900/12	1200/18	0200/01	1500/14	2000/30	1900/28	0200/09	1800/09

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 579.52

ANNUAL SUMMARY OF LEVELS, 1979
Station 7031: Holland, Michigan on Lake Michigan

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	580.06	Aug	578.44	Jan
Daily mean elevation:	580.32	10 Aug	578.03	5 Jan
Instant/hourly Elevation:	580.56	0417/10 Aug	577.95	1210/5 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
578.90	24 Jan
578.64	25 Feb
579.38	24 Mar
579.71	30 Apr
580.04	23 May
580.11	29 Jun
580.14	16 Jul
580.32	10 Aug
580.18	3 Sep
580.03	2 Oct
579.89	26 Nov
579.95	25 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
578.03	5 Jan
578.24	5 Feb
578.32	2 Mar
578.73	7 Apr
579.42	1 May
579.72	2 Jun
579.91	22 Jul
579.85	15 Aug
579.61	26 Sep
579.55	14 Oct
579.14	17 Nov
578.87	15 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
								1					580.20	1
580.20					1	6	16	22	11	1			580.00	58
580.00					8	20	15	8	5	7	2	2	579.80	125
579.80				1	19	4			14	18	3	2	579.60	186
579.60				3	3					5	14	9	579.40	220
579.40			2	9							10	12	579.20	253
579.20				12							1	4	579.00	270
579.00			5	4								2	578.80	282
578.80	1		11	1									578.60	301
578.60	5	2	9										578.40	334
578.40	7	17	4										578.20	362
578.20	15	9											578.00	365
578.00	3													

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 7031: Holland, Michigan on Lake Michigan

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	578.75	578.40	578.54	578.99	579.42	579.88	580.07	580.07	580.06	579.80	579.71	579.74
2	578.61	578.39	578.32	579.14	579.61	579.72	579.98	579.96	580.05	580.03	579.28	579.51
3	578.39	578.53	578.47	578.87	579.81	579.76	580.03	579.94	580.18	579.75	579.47	578.99
4	578.19	578.53	578.68	579.06	579.46	579.75	580.14	580.06	580.09	579.80	579.38	579.10
5	578.03	578.24	578.67	579.10	579.51	579.85	579.98	580.10	580.02	579.81	579.53	579.28
6	578.16	578.36	578.59	578.85	579.86	579.90	579.96	580.08	580.07	579.82	579.84	579.27
7	578.32	578.57	578.69	578.73	579.81	579.90	580.01	580.04	580.07	579.74	579.35	579.61
8	578.33	578.51	578.66	579.04	579.66	579.90	580.04	580.07	580.01	579.82	579.26	579.36
9	578.33	578.44	578.55	579.14	579.72	579.91	580.09	580.09	579.82	579.91	579.43	579.03
10	578.37	578.52	578.57	578.98	579.74	579.94	580.03	580.32	579.96	579.66	579.55	579.30
11	578.28	578.42	578.48	579.09	579.77	579.85	580.07	580.10	580.06	579.84	579.45	579.38
12	578.35	578.53	578.40	579.43	579.64	579.96	580.09	580.02	580.07	579.79	579.31	579.39
13	578.68	578.45	578.49	579.38	579.66	579.95	580.08	579.94	580.06	579.63	579.42	579.53
14	578.72	578.43	578.68	579.13	579.71	579.93	580.04	579.87	579.92	579.55	579.37	579.25
15	578.26	578.58	578.37	579.09	579.74	579.80	580.00	579.85	579.72	579.59	579.50	578.87
16	578.39	578.61	578.37	579.06	579.67	579.91	580.14	579.94	579.86	579.72	579.31	579.44
17	578.54	578.39	578.49	579.15	579.65	580.02	580.05	579.90	579.67	579.73	579.14	579.15
18	578.40	578.50	578.62	579.18	579.68	579.95	579.98	580.07	579.73	579.70	579.41	579.20
19	578.38	578.39	578.68	579.21	579.81	579.99	579.93	580.02	579.75	579.70	579.44	579.58
20	578.62	578.28	578.70	579.21	579.74	580.08	579.96	580.13	579.65	579.56	579.35	579.34
21	578.59	578.43	578.56	579.30	579.67	580.01	579.92	580.13	579.85	579.59	579.46	579.29
22	578.32	578.37	578.63	579.15	579.77	579.91	579.91	580.14	579.70	579.76	579.77	579.43
23	578.35	578.49	578.81	579.27	580.04	579.85	579.96	580.15	579.73	579.96	579.54	579.42
24	578.90	578.58	579.38	579.28	579.87	579.98	579.92	580.10	579.66	579.74	579.24	579.87
25	578.56	578.64	579.23	579.29	579.87	579.95	580.09	580.00	579.62	579.72	579.49	579.95
26	578.47	578.55	578.87	579.42	579.78	579.86	579.98	580.12	579.61	579.62	579.89	579.54
27	578.59	578.36	578.74	579.31	579.79	579.88	580.00	580.18	579.69	579.62	579.38	579.49
28	578.58	578.42	578.70	579.52	579.74	580.01	580.06	580.13	579.65	579.64	579.51	579.27
29	578.38		578.89	579.38	579.77	580.11	579.93	580.09	579.77	579.56	579.62	579.24
30	578.37		578.92	579.71	579.85	580.07	580.00	580.05	579.71	579.70	579.47	579.38
31	578.57		578.99		579.92		580.07	580.13		579.83		579.41
MEAN	578.44	578.46	578.67	579.18	579.73	579.92	580.02	580.06	579.86	579.73	579.46	579.37
MAX.	579.20	578.82	579.63	580.06	580.27	580.36	580.27	580.56	580.29	580.29	580.30	580.45
	0435/14	1957/25	1740/24	0022/06	1230/23	1650/29	0305/04	0417/10	2145/03	1230/23	1250/06	1900/07
MIN.	577.95	578.05	578.18	578.47	579.27	579.64	579.77	579.68	579.46	579.31	578.97	578.66
	1210/05	0800/06	2310/15	1645/07	2317/01	0930/02	1952/21	2245/14	2000/17	0849/27	0800/17	1455/15

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 579.41

ANNUAL SUMMARY OF LEVELS, 1979

Station 7044: Calumet Harbor, Illinois on Lake Michigan

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	580.15	Jul	578.54	Jan
Daily mean elevation:	580.51	10 Aug	577.93	3 Jan
Instant/hourly Elevation:	581.41	0100/25 Dec	577.47	1100/6 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
579.30	1 Jan
579.37	25 Feb
579.66	24 Mar
579.76	28 Apr
580.35	23 May
580.27	24 Jun
580.51	4 Jul
580.51	10 Aug
580.42	7 Sep
580.28	2 Oct
580.02	6 Nov
580.48	25 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
577.93	3 Jan
578.20	20 Feb
578.33	13 Mar
578.78	5 Apr
579.58	5 May
579.72	15 Jun
579.96	24 Jul
579.76	13 Aug
579.67	20 Sep
579.41	20 Oct
579.05	24 Nov
578.54	15 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
580.40							1	2	1			2	580.40	6
580.20					2	3	7	6	7	1			580.20	32
580.00					3	13	21	19	5	2	1		580.00	96
579.80					13	13	2	3	10	13		1	579.80	151
579.60			1	3	11	1		1	7	9	4	3	579.60	191
579.40			1	8	2					6	13	11	579.40	232
579.20	2	1		10							8	5	579.20	258
579.00	1		1	6							4	5	579.00	275
578.80	3	3	6	2								1	578.80	290
578.60	6	6	9	1								1	578.60	313
578.40	9	13	11									2	578.40	348
578.20	4	4	2										578.20	358
578.00	4	1											578.00	363
577.80	2												577.80	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 7044: Calumet Harbor, Illinois on Lake Michigan

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	579.30	578.57	578.66	579.25	579.60	579.94	580.24	580.34	580.03	580.04	579.24	579.98
2	578.57	578.41	578.46	579.20	579.74	579.82	580.13	580.11	579.99	580.28	579.11	579.55
3	577.93	578.46	578.57	579.02	579.90	579.82	580.21	579.96	580.28	579.80	579.42	578.54
4	578.01	578.42	578.48	579.19	579.61	579.82	580.51	580.08	580.27	579.95	579.41	578.92
5	578.04	578.25	578.49	578.78	579.58	580.06	580.27	580.11	580.12	579.81	579.53	579.03
6	577.97	578.25	578.55	578.87	579.95	580.08	580.19	580.22	580.19	579.84	580.02	579.15
7	578.41	578.56	578.74	578.86	579.81	579.97	580.16	579.99	580.42	579.88	579.34	579.42
8	578.19	578.77	578.74	579.24	579.63	579.94	580.21	580.12	580.26	579.96	579.15	579.42
9	578.22	578.55	578.52	579.49	579.74	580.03	580.24	580.10	579.81	580.09	579.59	578.76
10	578.38	578.63	578.43	579.25	579.80	579.92	580.14	580.51	579.98	579.69	579.71	579.09
11	578.40	578.52	578.50	579.46	579.82	579.92	580.15	580.49	580.22	579.71	579.53	579.28
12	578.47	578.74	578.47	579.63	579.75	580.05	580.15	580.21	580.15	579.75	579.23	579.66
13	579.10	578.58	578.33	579.47	579.70	580.09	580.17	579.76	580.25	579.93	579.43	579.57
14	578.90	578.51	578.73	579.20	579.75	579.92	580.11	580.05	580.25	579.52	579.36	579.24
15	578.15	578.76	578.49	579.11	579.81	579.72	580.03	580.20	579.89	579.56	579.57	578.54
16	578.47	578.96	578.35	579.16	579.75	579.88	580.38	580.16	579.94	579.78	579.25	579.76
17	578.58	578.70	578.54	579.25	579.67	580.11	580.37	579.83	579.68	579.87	579.05	579.11
18	578.68	578.71	578.72	579.30	579.72	580.12	580.09	580.11	579.87	579.81	579.36	579.13
19	578.54	578.35	578.82	579.38	579.89	580.23	580.02	580.17	579.94	579.61	579.41	579.60
20	578.74	578.20	578.78	579.36	579.90	580.08	580.03	580.29	579.67	579.41	579.44	579.48
21	578.85	578.26	578.67	579.33	579.90	579.98	580.08	580.26	580.21	579.50	579.64	579.40
22	578.41	578.49	578.80	579.29	579.97	580.02	579.98	580.21	580.05	579.55	579.71	579.48
23	578.39	578.46	578.96	579.41	580.35	580.18	580.06	580.12	579.94	579.84	579.42	579.51
24	579.27	579.00	579.66	579.42	580.25	580.27	579.96	580.08	579.69	579.89	579.05	580.42
25	578.85	579.37	579.49	579.37	580.17	580.09	580.13	580.06	579.72	579.95	579.62	580.48
26	578.66	578.84	578.98	579.57	579.91	579.88	580.08	580.14	579.75	579.76	579.60	579.61
27	578.75	578.49	578.81	579.56	579.89	579.97	580.11	580.18	579.79	579.49	579.38	579.53
28	578.79	578.55	578.71	579.76	579.89	580.15	580.15	580.17	579.73	579.73	579.29	579.37
29	578.56		578.93	579.50	579.97	580.22	580.07	580.03	579.90	579.77	579.50	579.37
30	578.54		578.82	579.71	580.07	580.20	580.07	580.12	579.85	579.85	579.42	579.50
31	578.77		579.05		580.06		580.18	580.18		579.84		579.52
MEAN	578.54	578.58	578.72	579.31	579.86	580.02	580.15	580.14	579.99	579.79	579.43	579.40
MAX.	580.25	579.62	580.00	580.87	580.74	580.64	580.87	581.09	580.75	580.75	580.68	581.41
	0100/14	1200/25	1000/24	1200/12	1300/23	0400/18	1000/04	1700/05	2000/03	0800/02	1200/06	0100/25
MIN.	577.47	577.85	577.94	578.13	579.20	579.32	579.63	579.26	579.31	578.78	578.63	578.08
	1100/06	0800/06	1100/04	1900/05	1400/05	1200/15	2200/29	1300/17	2100/09	0100/23	2300/16	1300/03

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 579.49

ANNUAL SUMMARY OF LEVELS, 1979

Station 7057: Milwaukee, Wisconsin on Lake Michigan

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	580.14	Aug	578.49	Jan
Daily mean elevation:	580.33	10 Aug	577.98	4 Jan
Instant/hourly Elevation:	580.82	1700/24 Dec	577.80	1500/4 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
578.96	13 Jan
578.82	25 Feb
579.40	24 Mar
579.75	30 Apr
580.10	23 May
580.25	20 Jun
580.28	4 Jul
580.33	10 Aug
580.23	11 Sep
580.22	2 Oct
579.94	22 Nov
580.19	24 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
577.98	4 Jan
578.26	5 Feb
578.40	15 Mar
578.69	6 Apr
579.56	1 May
579.85	2 Jun
580.01	22 Jul
579.92	14 Aug
579.73	25 Sep
579.59	14 Oct
579.20	8 Nov
578.92	3 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
580.20						2	2	7	1	1			580.20	13
580.00					4	15	29	21	12	1		2	580.00	97
579.80					18	13		3	10	11	2		579.80	154
579.60				3	7				7	17	4	2	579.60	194
579.40				9	2					1	15	15	579.40	236
579.20			2	7							8	7	579.20	260
579.00			2	7							1	3	579.00	273
578.80	3	1	5	3								2	578.80	287
578.60	9	8	13	1									578.60	318
578.40	8	17	8										578.40	351
578.20	7	2	1										578.20	361
578.00	3												578.00	364
577.80	1												577.80	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 7057: Milwaukee, Wisconsin on Lake Michigan

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	578.86	578.48	578.61	579.14	579.56	579.95	580.14	580.17	580.15	579.95	579.53	579.80
2	578.48	578.51	578.46	579.13	579.79	579.85	580.10	580.07	580.07	580.22	579.21	579.53
3	578.13	578.57	578.64	578.96	579.89	579.87	580.21	580.04	580.16	579.84	579.45	578.92
4	577.98	578.30	578.73	579.18	579.59	579.86	580.28	580.14	580.16	579.85	579.46	579.12
5	578.02	578.26	578.62	578.84	579.71	579.92	580.13	580.18	580.09	579.84	579.66	579.31
6	578.10	578.45	578.62	578.69	580.04	580.03	580.13	580.19	580.08	579.79	579.82	579.32
7	578.32	578.50	578.76	578.88	579.96	580.03	580.14	580.05	580.18	579.75	579.39	579.56
8	578.27	578.54	578.72	579.22	579.81	579.96	580.16	580.08	580.20	579.85	579.20	579.38
9	578.23	578.47	578.60	579.24	579.84	580.04	580.16	580.15	579.96	579.92	579.56	579.05
10	578.31	578.56	578.48	579.12	579.91	579.96	580.11	580.33	580.08	579.73	579.58	579.43
11	578.39	578.62	578.51	579.44	579.86	579.92	580.14	580.26	580.23	579.85	579.53	579.43
12	578.53	578.64	578.46	579.73	579.71	580.01	580.14	580.19	580.16	579.65	579.37	579.50
13	578.96	578.57	578.56	579.56	579.78	580.06	580.15	579.99	580.09	579.69	579.44	579.56
14	578.61	578.58	578.48	579.19	579.78	580.06	580.11	579.92	580.00	579.59	579.45	579.29
15	578.30	578.72	578.40	579.13	579.82	579.88	580.05	579.99	579.87	579.67	579.53	578.98
16	578.50	578.72	578.45	579.14	579.78	580.02	580.17	580.10	580.01	579.84	579.34	579.47
17	578.51	578.64	578.65	579.21	579.84	580.04	580.17	580.06	579.78	579.78	579.21	579.14
18	578.62	578.69	578.77	579.26	579.83	580.09	580.07	580.14	579.81	579.84	579.53	579.27
19	578.70	578.48	578.84	579.36	579.93	580.14	580.05	580.13	579.90	579.78	579.59	579.61
20	578.74	578.42	578.77	579.39	579.82	580.25	580.08	580.23	579.75	579.70	579.41	579.53
21	578.64	578.44	578.64	579.41	579.77	580.06	580.02	580.24	579.90	579.68	579.75	579.48
22	578.40	578.53	578.77	579.28	579.95	579.94	580.01	580.30	579.87	579.88	579.94	579.57
23	578.55	578.55	578.98	579.41	580.10	579.92	580.06	580.25	579.92	579.74	579.55	579.59
24	578.94	578.68	579.40	579.46	579.97	580.08	580.04	580.10	579.79	579.74	579.35	580.19
25	578.62	578.82	579.25	579.47	579.92	580.08	580.14	580.04	579.73	579.78	579.65	580.02
26	578.58	578.63	578.90	579.45	579.86	579.98	580.09	580.18	579.77	579.76	579.79	579.58
27	578.76	578.46	578.80	579.45	579.88	580.00	580.14	580.22	579.83	579.73	579.36	579.52
28	578.67	578.55	578.86	579.63	579.87	580.10	580.09	580.14	579.78	579.69	579.35	579.33
29	578.45		578.94	579.56	579.89	580.22	580.05	580.08	579.89	579.71	579.49	579.33
30	578.46		579.04	579.75	580.02	580.10	580.16	580.06	579.79	579.91	579.42	579.45
31	578.65		579.03		580.06		580.11	580.20		580.03		579.51
MEAN	578.49	578.55	578.73	579.29	579.86	580.01	580.12	580.14	579.97	579.80	579.50	579.44
MAX.	579.51	579.08	579.61	580.43	580.32	580.72	580.53	580.70	580.48	580.47	580.29	580.82
	0200/01	1100/25	2200/24	0600/12	1200/23	1800/20	0500/04	0600/10	0200/11	2200/01	0200/26	1700/24
MIN.	577.80	578.14	578.19	578.12	579.40	579.57	579.82	579.66	579.56	579.37	578.89	578.66
	1500/04	0100/05	0900/14	1900/05	1900/01	1200/18	2100/28	0600/29	0300/18	0800/27	0500/17	1100/03

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 579.49

ANNUAL SUMMARY OF LEVELS, 1979
Station 7068: Kewaunee, Wisconsin on Lake Michigan

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	580.08	Aug	578.41	Jan
Daily mean elevation:	580.31	20 Jun	577.92	4 Jan
Instant/hourly Elevation:	580.87	1700/20 Jun	577.81	2100/4 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
578.72	19 Jan
578.62	23 Feb
578.97	25 Mar
579.70	30 Apr
580.02	31 May
580.31	20 Jun
580.18	14 Jul
580.21	22 Aug
580.21	1 Sep
580.06	31 Oct
579.81	22 Nov
579.71	25 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
577.92	4 Jan
578.19	5 Feb
578.35	14 Mar
578.60	6 Apr
579.47	4 May
579.82	2 Jun
579.94	22 Jul
579.73	14 Aug
579.65	18 Sep
579.55	13 Oct
579.14	8 Nov
579.07	16 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
						1		1	1				580.20	3
580.20					1	10	27	25	8	1			580.00	75
580.00					14	19	4	4	12	7	1		579.80	136
579.80				1	14			1	9	19	3	2	579.60	185
579.60				6	2					4	13	14	579.40	224
579.40				7							12	10	579.20	253
579.20				12							1	5	579.00	271
579.00			6	2									578.80	279
578.80			10	1									578.60	294
578.60	3	1	11	1									578.40	341
578.40	15	20	2										578.20	358
578.20	9	6											578.00	362
578.00	3	1											577.80	363
577.80	1													

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 7068: Kewaunee, Wisconsin on Lake Michigan

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	578.58	578.36	578.49	579.03	579.51	579.95	580.06	580.09	580.21	579.74	579.72	579.63
2	578.45	578.46	578.45	579.07	579.68	579.82	580.08	580.10	580.02	579.93	579.21	579.54
3	578.18	578.49	578.55	578.92	579.74	579.88	580.05	580.01	580.03	579.82	579.34	579.11
4	577.92	578.25	578.80	579.07	579.47	579.87	580.14	580.09	580.15	579.73	579.47	579.07
5	578.04	578.19	578.59	578.95	579.70	579.83	580.06	580.07	580.07	579.83	579.56	579.37
6	578.20	578.45	578.61	578.60	579.96	579.96	580.09	580.16	579.96	579.66	579.62	579.32
7	578.28	578.41	578.65	578.77	579.98	580.03	580.08	580.08	579.99	579.71	579.49	579.48
8	578.36	578.31	578.66	579.10	579.83	579.87	580.08	579.94	580.12	579.83	579.14	579.30
9	578.22	578.45	578.60	579.12	579.74	579.94	580.10	580.13	580.05	579.80	579.37	579.15
10	578.27	578.42	578.45	579.06	579.83	579.98	580.08	580.18	579.96	579.69	579.50	579.54
11	578.36	578.55	578.48	579.19	579.80	579.87	580.12	580.18	580.18	579.81	579.50	579.41
12	578.50	578.47	578.45	579.60	579.67	579.94	580.09	580.17	580.14	579.58	579.35	579.26
13	578.58	578.51	578.63	579.52	579.75	579.94	580.12	579.96	580.00	579.55	579.38	579.54
14	578.45	578.54	578.35	579.17	579.75	580.01	580.18	579.73	579.90	579.57	579.42	579.27
15	578.24	578.60	578.40	579.09	579.75	579.91	580.03	579.88	579.87	579.63	579.40	579.22
16	578.42	578.46	578.47	579.08	579.73	580.02	579.98	580.03	579.96	579.73	579.44	579.07
17	578.48	578.49	578.58	579.15	579.89	579.95	580.07	580.06	579.82	579.66	579.21	579.19
18	578.50	578.53	578.64	579.17	579.84	579.96	580.05	580.07	579.65	579.76	579.53	579.31
19	578.72	578.50	578.74	579.27	579.87	580.14	580.02	580.05	579.86	579.83	579.54	579.52
20	578.69	578.42	578.69	579.36	579.78	580.31	580.02	580.10	579.76	579.65	579.35	579.49
21	578.52	578.49	578.58	579.33	579.71	580.05	579.99	580.12	579.75	579.66	579.50	579.49
22	578.38	578.41	578.68	579.27	579.87	579.83	579.94	580.21	579.78	579.88	579.81	579.51
23	578.58	578.62	578.83	579.33	579.90	579.89	580.03	580.20	579.84	579.75	579.53	579.58
24	578.57	578.36	578.85	579.42	579.79	580.04	580.04	580.12	579.85	579.62	579.38	579.52
25	578.48	578.50	578.97	579.47	579.77	580.02	580.07	579.98	579.71	579.61	579.50	579.71
26	578.45	578.47	578.82	579.40	579.82	579.99	580.01	580.11	579.76	579.68	579.78	579.51
27	578.62	578.38	578.68*	579.35	579.84	579.94	580.14	580.11	579.82	579.73	579.31	579.41
28	578.50	578.39	/	579.50	579.81	580.02	580.02	580.13	579.75	579.60	579.38	579.25
29	578.37		/	579.46	579.81	580.11	580.05	580.15	579.79	579.64	579.45	579.27
30	578.38		578.93*	579.70	579.93	580.05	580.14	580.01	579.74	579.80	579.39	579.36
31	578.46		578.83		580.02		579.99	580.18		580.06		579.48
MEAN	578.41	578.45	578.64	579.22	579.79	579.97	580.06	580.08	579.92	579.73	579.45	579.38
MAX.	579.11	578.94	579.53	580.30	580.22	580.87	580.58	580.47	580.47	580.38	580.30	580.00
	0300/13	0800/23	1900/30	0200/12	1500/30	1700/20	1400/30	1600/06	0200/01	2000/22	0100/01	0800/20
MIN.	577.81	577.97	578.11	578.39	579.22	579.50	579.68	579.59	579.50	579.21	579.03	578.71
	2100/04	2300/04	1700/14	1900/06	0300/04	2000/08	1800/31	1300/05	0800/18	2300/12	2100/20	0200/04

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 579.42

ANNUAL SUMMARY OF LEVELS, 1979

Station 7072: Sturgeon Bay Canal, Wisconsin on Lake Michigan

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	580.05	Aug	578.38	Jan
Daily mean elevation:	580.21	23 Aug	577.91	4 Jan
Instant/hourly Elevation:	580.44	0500/9 Aug	577.84	2100/4 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
578.68	19 Jan
578.56	15 Feb
578.98	30 Mar
579.66	30 Apr
579.98	31 May
580.09	20 Jun
580.09	30 Jul
580.21	23 Aug
580.15	11 Sep
579.99	31 Oct
579.86	22 Nov
579.66	25 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
577.91	4 Jan
578.19	5 Feb
578.36	15 Mar
578.45	6 Apr
579.44	1 May
579.73	5 Jun
579.92	22 Jul
579.70	14 Aug
579.64	18 Sep
579.51	14 Oct
579.07	8 Nov
578.97	3 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
								1					580.20	1
580.20						5	22	23	10				580.00	61
580.00					8	22	9	6	10	6	1		579.80	123
579.80				2	21	3		1	10	19	2	1	579.60	182
579.60				4	2					6	12	14	579.40	220
579.40				9							12	10	579.20	251
579.20				8							3	5	579.00	267
579.00			4	5								1	578.80	277
578.80			13	1									578.60	293
578.60	2		12	1									578.40	339
578.40	14	19	2										578.20	358
578.20	9	8											578.00	364
578.00	5	1											577.80	365
577.80	1													

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 7072: Sturgeon Bay Canal, Wisconsin on Lake Michigan

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	578.54	578.32	578.49	578.94	579.44	579.90	580.08	580.06	580.13	579.77	579.63	579.59
2	578.41	578.42	578.45	578.98	579.63	579.79	580.00	580.04	580.04	579.93	579.17	579.51
3	578.15	578.51	578.48	578.91	579.74	579.85	580.02	579.99	580.02	579.82	579.35	578.97
4	577.91	578.22	578.71	579.02	579.45	579.84	580.09	580.06	580.11	579.74	579.46	579.07
5	578.03	578.19	578.58	578.98	579.63	579.73	580.01	580.08	580.02	579.80	579.57	579.36
6	578.18	578.50	578.60	578.45	579.96	579.91	580.01	580.05	579.97	579.64	579.60	579.26
7	578.24	578.42	578.62	578.73	579.95	579.94	580.03	580.02	580.02	579.65	579.43	579.44
8	578.34	578.27	578.65	579.02	579.77	579.82	580.04	580.02	580.09	579.76	579.07	579.22
9	578.17	578.44	578.60	579.05	579.72	579.91	580.09	580.13	579.96	579.83	579.34	579.06
10	578.22	578.35	578.48	579.00	579.79	579.88	580.05	580.12	579.89	579.68	579.47	579.52
11	578.32	578.50	578.45	579.16	579.79	579.80	580.08	580.13	580.15	579.79	579.48	579.41
12	578.48	578.46	578.48	579.63	579.64	579.89	580.08	580.06	580.14	579.53	579.35	579.32
13	578.52	578.50	578.64	579.47	579.72	579.91	580.09	579.96	580.02	579.52	579.38	579.50
14	578.41	578.56	578.36	579.21	579.77	579.93	580.06	579.70	579.91	579.51	579.40	579.21
15	578.19	578.56	578.36	579.10	579.73	579.86	580.00	579.84	579.84	579.55	579.36	579.12
16	578.36	578.39	578.45	579.05	579.69	579.92	580.01	579.98	579.96	579.71	579.35	579.08
17	578.48	578.46	578.58	579.13	579.74	579.93	580.06	580.02	579.77	579.62	579.15	579.15
18	578.47	578.50	578.64	579.13	579.75	579.88	580.02	580.08	579.64	579.73	579.51	579.29
19	578.68	578.50	578.76	579.22	579.84	580.02	579.97	580.10	579.83	579.80	579.58	579.42
20	578.65	578.43	578.71	579.31	579.77	580.09	579.99	580.11	579.75	579.65	579.28	579.47
21	578.47	578.50	578.60	579.32	579.71	580.05	579.95	580.09	579.72	579.67	579.58	579.46
22	578.36	578.43	578.62	579.26	579.80	579.87	579.92	580.18	579.78	579.92	579.86	579.44
23	578.56	578.54	578.78	579.30	579.90	579.90	580.03	580.21	579.83	579.79	579.51	579.48
24	578.56	578.26	578.74	579.35	579.78	580.00	579.99	580.12	579.81	579.61	579.33	579.50
25	578.44	578.42	578.88	579.41	579.74	579.96	580.05	579.97	579.70	579.59	579.45	579.66
26	578.42	578.40	578.76	579.38	579.75	579.95	580.01	580.06	579.75	579.61	579.78	579.47
27	578.55	578.37	578.66	579.29	579.83	579.89	580.08	580.10	579.81	579.71	579.21	579.38
28	578.50	578.41	578.87	579.49	579.81	579.98	580.04	580.12	579.76	579.62	579.33	579.25
29	578.33		578.74	579.42	579.78	580.03	579.98	580.14	579.78	579.60	579.43	579.25
30	578.33		578.98	579.66	579.90	580.02	580.09	579.99	579.75	579.81	579.36	579.33
31	578.40		578.81		579.98		579.98	580.16		579.99		579.44
MEAN	578.38	578.42	578.63	579.18	579.76	579.92	580.03	580.05	579.90	579.71	579.43	579.34
MAX.	578.85	578.81	579.19	580.07	580.11	580.43	580.31	580.44	580.35	580.26	580.24	579.86
	0500/01	1900/14	1900/30	1800/12	1900/06	1900/20	2100/30	0500/09	0900/11	1600/22	0100/01	1000/25
MIN.	577.84	577.99	578.05	578.25	579.31	579.63	579.61	579.56	579.56	579.19	578.84	578.73
	2100/04	0900/05	0200/03	0100/06	1500/01	1300/18	1500/02	1800/14	1000/18	2400/12	1100/08	0700/16

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 579.40

ANNUAL SUMMARY OF LEVELS, 1979

Station 7078: Green Bay, Wisconsin on Lake Michigan (Green Bay)

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	580.03	Jul	578.26	Jan
Daily mean elevation:	580.44	10 Sep	577.76	4 Jan
Instant/hourly Elevation:	581.43	2100/31 Aug	577.17	0400/15 Mar

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
578.67	19 Jan
578.53	23 Feb
579.01	30 Mar
579.82	30 Apr
580.27	23 May
580.17	17 Jun
580.32	25 Jul
580.31	10 Aug
580.44	10 Sep
580.35	22 Oct
580.19	22 Nov
579.89	24 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
577.76	4 Jan
578.05	5 Feb
578.22	15 Mar
578.30	6 Apr
579.29	1 May
579.67	15 Jun
579.83	21 Jul
579.69	13 Aug
579.67	30 Sep
579.23	12 Oct
578.61	2 Nov
577.93	3 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
580.40									1				580.40	1
580.20					1		3	2	2	1			580.20	10
580.00					1	4	15	14	3	2	2		580.00	51
579.80				1	6	16	13	13	5	5	1	1	579.80	112
579.60				1	12	10		2	3	10	2	2	579.60	154
579.40				1	7					10	4	6	579.40	182
579.20				9	2					3	6	9	579.20	211
579.00			1	7							7	6	579.00	232
578.80			1	8							3	4	578.80	248
578.60	1		9	2							3	1	578.60	264
578.40	3	8	13									1	578.40	289
578.20	18	15	7	1									578.20	330
578.00	7	5										1	578.00	342
577.80	1												577.80	344
577.60	1												577.60	345

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 7078: Green Bay, Wisconsin on Lake Michigan (Green Bay)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	578.39	578.17	578.36	578.95	579.29	579.79	580.18	580.13	579.92	580.10	578.73	579.73
2	578.30	578.29	578.36	578.91	579.65*	579.67	580.03	579.92	579.96	580.20	578.61	578.93
3	578.06	578.42	578.43	578.79	579.73	579.69	580.06	579.88	580.18	579.66	579.05	577.93
4	577.76	578.09	578.60	578.94	579.40	579.75	580.30	580.13	580.03	579.70	579.15	578.86
5	577.93	578.05	578.48	578.82	579.67	579.80	580.02	580.26	579.90	579.59	579.63	579.15
6	578.13	578.45	578.50	578.30	580.14	579.80	579.93	580.06	579.98	579.72	579.78	579.11
7	578.21	578.27	578.48	578.68	579.90	579.88	579.94	579.89	580.21*	579.54	578.91	579.47
8	578.30	578.08	578.52	579.10	579.82	579.90	580.05	579.97	/	579.84	578.68	579.02
9	578.09	578.37	578.53	578.98	579.82	580.01	580.08	580.11	/	579.72	579.54	578.72
10	578.09	578.27	578.39	578.92	579.78	579.88	580.04	580.31	580.44*	579.46	579.41	579.40
11	578.25	578.46	578.35	579.20	579.60	579.86	580.04	580.05	580.17	579.71	579.17	579.39
12	578.41	578.31	578.41	579.66	579.54	579.84	580.07	579.82	580.28*	579.23	579.02	579.39
13	578.37	578.38	578.61	579.35	579.60	579.85	580.00	579.69	/	579.37	579.28	579.27
14	578.24	578.53	578.27	579.02	579.68*	579.74	580.04	579.71	/	579.30	579.21	579.00
15	578.08	578.42	578.22	578.97	579.75*	579.67	579.92	579.84	/	579.46	579.43	578.60
16	578.26	578.22	578.40	578.92	579.57	579.93	580.27	579.86*	/	579.63	578.97*	579.29
17	578.39	578.32	578.55	579.03	579.49	580.17	580.04	579.95*	/	579.59	/	578.89
18	578.39	578.41	578.60	579.06	579.65*	580.00	579.93	580.05	/	579.66	/	579.19
19	578.67	578.41	578.75	579.19	/	579.82	579.94	580.01	/	579.67	579.39*	579.46
20	578.55	578.37	578.66	579.22	/	579.86	579.95	580.13	/	579.58	579.24	579.44
21	578.34	578.38	578.50	579.23	579.61*	579.74	579.83	580.16	/	579.94	580.18	579.44
22	578.27	578.32	578.55	579.19	579.78	579.91	579.90	580.16	/	580.35	580.19	579.44
23	578.50	578.53	578.77	579.28	580.27	580.01	579.95	580.18	/	579.88	579.14	579.58
24	578.32	578.14	578.64	579.29	579.92	580.00	579.94	579.90	/	579.63	579.11	579.89
25	578.27	578.23	578.68	579.37	579.78	579.85	580.32	579.81	/	579.65	579.42	579.66
26	578.24	578.29	578.65	579.28	579.67	579.74	579.99	579.93	/	579.53	579.82	579.40
27	578.40	578.25	578.57	579.35	579.56	579.89	580.10	580.12	579.67*	579.50	578.83	579.29
28	578.36	578.29	578.87	579.43	579.55	579.98	580.02	580.01	579.79	579.59	579.02	579.07
29	578.19		578.73	579.36	579.75	580.09	579.89	579.95	579.83	579.58	579.36	579.13
30	578.18		579.01	579.82	579.86	579.96	580.04	579.98	579.67	579.82	579.21	579.28
31	578.23		578.74		579.91		580.15	580.18		579.86		579.38
MEAN	578.26	578.31	578.55	579.12	579.72	579.87	580.03	580.00	580.00	579.68	579.27	579.22
MAX.	579.16	579.12	579.49	580.45	581.04	580.64	581.22	581.43	581.14	581.13	581.10	580.71
	2400/19	0500/23	2100/30	0600/12	0600/23	0400/11	0800/25	2100/31	1200/10	0100/23	2300/21	0300/08
MIN.	577.34	577.56	577.17	577.36	578.41	579.06	579.44	579.07	579.39	578.44	577.69	577.37
	0200/10	1000/05	0400/15	1300/06	1400/11	0200/21	0300/29	0100/07	2200/30	1400/12	1900/01	0300/03

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 579.34

ANNUAL SUMMARY OF LEVELS, 1979
Station 7079: Green Bay, Wisconsin on Lake Michigan

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	579.84	Sep	579.25	Dec
Daily mean elevation:	580.26	12 Sep	578.15	3 Dec
Instant/hourly Elevation:	581.15	1200/10 Sep	577.59	0300/3 Dec

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
	Jan
	Feb
	Mar
	Apr
	May
	Jun
	Jul
	Aug
580.26	12 Sep
580.14	1 Oct
580.20	21 Nov
579.91	24 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
	Jan
	Feb
	Mar
	Apr
	May
	Jun
	Jul
	Aug
579.38	17 Sep
579.26	12 Oct
578.70	8 Nov
578.15	3 Dec

~~~~~~~~~~~~ FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS ~~~~~~~~~~~~

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
580.20									2				580.20	2
580.00									4	1	2		580.00	9
579.80									9	3	1	2	579.80	24
579.60									12	10	2	1	579.60	49
579.40									2	4	6	8	579.40	69
579.20									1	3	7	7	579.20	87
579.00											6	8	579.00	101
578.80											3	2	578.80	106
578.60											3	2	578.60	111
578.40													578.40	111
578.20													578.20	111
578.00												1	578.00	112
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INTERNATIONAL
GREAT LAKES
DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 7079: Green Bay, Wisconsin on Lake Michigan

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	/	/	/	/	/	/	/	/	579.92	580.14*	578.77*	579.89
2	/	/	/	/	/	/	/	/	579.96	579.95*	578.70	579.14
3	/	/	/	/	/	/	/	/	580.18	579.67	579.20	578.15
4	/	/	/	/	/	/	/	/	580.00*	579.72	579.32	578.93
5	/	/	/	/	/	/	/	/	579.90	579.62	579.71	579.17
6	/	/	/	/	/	/	/	/	579.98	579.75	579.94	579.12
7	/	/	/	/	/	/	/	/	580.22	579.57	579.00	579.50
8	/	/	/	/	/	/	/	/	579.98*	579.85	578.70	579.02
9	/	/	/	/	/	/	/	/	579.70*	579.74	579.57	578.74
10	/	/	/	/	/	/	/	/	580.15	579.48	579.48	579.41
11	/	/	/	/	/	/	/	/	580.18	579.73	579.22	579.40
12	/	/	/	/	/	/	/	/	580.26	579.26	579.06	579.40
13	/	/	/	/	/	/	/	/	580.06	579.40	579.32	579.29
14	/	/	/	/	/	/	/	/	579.87	579.32	579.23	579.01
15	/	/	/	/	/	/	/	/	579.63	579.48	579.46	578.62
16	/	/	/	/	/	/	/	/	579.82	579.70	578.90	579.30
17	/	/	/	/	/	/	/	/	579.38	579.78	579.08	578.91
18	/	/	/	/	/	/	/	/	579.67	579.72	579.51	579.19
19	/	/	/	/	/	/	/	/	579.74	579.68	579.52	579.47
20	/	/	/	/	/	/	/	/	579.59	579.57	579.26	579.46
21	/	/	/	/	/	/	/	/	579.74	579.91	580.20	579.46
22	/	/	/	/	/	/	/	/	579.72	/	580.14	579.46
23	/	/	/	/	/	/	/	/	579.77	/	579.15	579.59
24	/	/	/	/	/	/	/	/	579.64	/	579.12	579.91
25	/	/	/	/	/	/	/	/	579.54*	/	579.45	579.67
26	/	/	/	/	/	/	/	/	579.77	/	579.66	579.42
27	/	/	/	/	/	/	/	/	579.69	/	578.84	579.30
28	/	/	/	/	/	/	/	/	579.80	/	579.04	579.08
29	/		/	/	/	/	/	/	579.83	/	579.38	579.14
30	/		/	/	/	/	/	/	579.66	/	579.23	579.29
31	/		/		/		/	/		/		579.40
MEAN	/	/	/	/	/	/	/	/	579.84	579.67	579.31	579.25
MAX.									581.15	580.82	581.01	580.72
									1200/10	1900/01	2400/21	0300/08
MIN.									578.90	578.49	577.83	577.59
									0900/20	1400/12	0200/27	0300/03

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

ANNUAL MEAN: 579.52

ANNUAL SUMMARY OF LEVELS, 1979

Station 7096: Port Inland, Michigan on Lake Michigan

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	580.01	Aug	578.29	Feb
Daily mean elevation:	580.26	20 Jun	578.01	4 Jan
Instant/hourly Elevation:	580.94	2300/16 Jun	577.64	1616/14 Mar

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
578.52	17 Jan
578.53	23 Feb
578.90	30 Mar
579.50	12 Apr
579.87	7 May
580.26	20 Jun
580.12	30 Jul
580.22	29 Aug
580.22	1 Sep
579.96	19 Oct
580.15	1 Nov
579.61	10 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
578.01	4 Jan
578.04	8 Feb
578.23	14 Mar
578.35	6 Apr
579.33	4 May
579.66	5 Jun
579.80	16 Jul
579.58	14 Aug
579.58	18 Sep
579.29	13 Oct
579.15	17 Nov
578.84	16 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
580.20						1		1	1				580.20	3
580.00						3	6	16	7		1		580.00	36
579.80					4	15	24	12	11	2			579.80	104
579.60					8	11	1	1	10	11	1	1	579.60	148
579.40				2	12			1	1	14	11	7	579.40	196
579.20				8	2					3	15	18	579.20	242
579.00				8							2	4	579.00	256
578.80			2	8								1	578.80	267
578.60			3	3									578.60	273
578.40	6	5	18										578.40	302
578.20	18	16	8	1									578.20	345
578.00	7	6											578.00	358

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 7096: Port Inland, Michigan on Lake Michigan

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	578.32	578.15	578.28*	578.79	579.36*	579.86*	579.89	579.92	580.22	579.63	580.15*	579.34
2	578.44	578.28	578.37*	578.87*	579.54*	579.73*	579.89	580.03	580.07	579.69	579.40	579.46
3	578.32	578.43	578.27	578.77*	579.50*	579.76*	579.91	579.96	579.92	579.69	579.35	579.52
4	578.01	578.23	578.57	578.86*	579.33*	579.77*	579.92	580.05*	580.12*	579.59	579.45	579.13
5	578.15	578.10	578.44	579.02*	579.43*	579.66	579.90	579.97	580.12	579.75	579.49	579.59
6	578.34	578.50	578.46	578.35*	579.69*	579.82	579.98	579.99	579.98	579.48	579.32	579.32
7	578.25	578.37	578.36	578.63*	579.87*	579.94	579.99	580.10	579.81	579.46	579.49	579.33
8	578.50	578.04	578.43	578.90*	579.60*	579.74	580.00	579.92	579.95	579.59	579.22	579.24
9	578.17	578.37	578.55	578.85*	/	579.80	580.03	580.07	580.08	579.64	579.23	579.20
10	578.23	578.19	578.42	578.81	579.59*	579.87	580.00	579.98	579.81	579.54	579.32	579.61
11	578.31	578.40	578.41	578.90	579.68	579.73	580.01	579.95	580.11*	579.80	579.45	579.40
12	578.35	578.21	578.39	579.50	579.46	579.84	580.00	580.05	580.04	579.51	579.40	579.10
13	578.18	578.27	578.61	579.38	579.62	579.84	580.03	580.09	579.88	579.29	579.31	579.50
14	578.30	578.40	578.23	579.04	579.63	580.04	580.07	579.58	579.73	579.45	579.34	579.28
15	578.20	578.25	578.34	578.99	579.60	579.91	580.01	579.73	579.76	579.49	579.18	579.59*
16	578.28	578.17	578.53	578.96	579.56*	579.88	579.80	579.97	579.95	579.64	579.52	578.84
17	578.52	578.24	578.50	579.01	579.86*	579.84	579.93	580.04	580.01	579.41	579.15	579.21*
18	578.27	578.26	578.50	579.02*	579.84*	579.79	579.94	579.99	579.58	579.57	579.48	579.45*
19	578.47	578.46	578.59	579.12*	/	579.90	579.95	579.95	579.85	579.96*	579.54	579.41*
20	578.44	578.37	578.57	579.21	/	580.26	579.97	580.01	579.87	/	579.22	579.40
21	578.35	578.46	578.50	579.23	579.58*	580.12	580.00	580.01	579.69	579.56	579.24*	579.37
22	578.25	578.21	578.47	579.16	579.60*	579.69	579.89	580.16	579.75	579.66	579.57*	579.35
23	578.41	578.53*	578.56	579.18	579.70	579.72*	579.99	580.16	579.80	579.62	579.56	579.26
24	578.34	578.10*	578.24	579.25	579.57*	579.87	580.00	580.13	579.93	579.35	579.48	579.12
25	578.26	/	578.48	579.33	579.59*	579.88	579.96	579.95	579.77	579.34	579.41	579.26
26	578.24	578.23*	578.54	579.25	/	580.01	579.90*	580.06	579.74	579.45	579.78	579.29
27	578.33	578.21*	578.56	579.17	/	579.80	580.00	580.04	579.86	579.80	579.40	579.25
28	578.25	578.27*	578.85	579.29*	579.71*	579.89	579.96	580.05	579.76	579.50	579.38	579.22
29	578.16		578.62	579.27	579.68*	579.94	579.93	580.22	579.76	579.50	579.36	579.21
30	578.20		578.90	579.44	579.77	579.89	580.12	579.94	579.71	579.68	579.28	579.24
31	578.21		578.65		579.82*		579.88	580.15		579.88*		579.34
MEAN	578.29	578.29	578.49	579.05	579.62	579.86	579.96	580.01	579.89	579.58	579.42	579.32
MAX.	578.86	578.88	579.48	580.53	580.27	580.94	580.52	580.79	580.77	580.26	580.76	580.27
	1900/08	1315/23	0832/30	0542/12	1215/17	2300/16	1500/30	0525/07	0130/01	1655/22	1212/01	0450/15
MIN.	577.83	577.79	577.64	578.02	579.15	579.09	579.60	579.27	579.33	578.94	578.71	578.29
	0325/14	1314/24	1616/14	1944/06	0105/12	1130/20	0535/16	1745/14	1710/18	0120/13	0310/21	1104/16

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

ANNUAL MEAN: 579.32

ANNUAL SUMMARY OF LEVELS, 1979

Station 9004: Pt. Iroquois, Brimley, Michigan on Lake Superior (Whitefish Bay

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST		
Monthly mean elevation:	601.42	Aug	599.87	Feb
Daily mean elevation:	601.90	14 Aug	599.62	14 Feb
Instant/hourly Elevation:	602.19	1300/8 Nov	599.11	0300/23 Feb

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
600.58	4 Jan
600.28	4 Feb
600.30	24 Mar
600.81	6 Apr
601.13	24 May
601.67	22 Jun
601.63	1 Jul
601.90	14 Aug
601.67	18 Sep
601.60	23 Oct
601.58	8 Nov
601.22	7 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
599.77	19 Jan
599.62	14 Feb
599.68	2 Mar
599.63	12 Apr
600.26	7 May
600.89	6 Jun
601.28	23 Jul
601.19	31 Aug
601.13	27 Sep
600.80	31 Oct
600.90	18 Nov
600.59	21 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
601.80								1					601.80	1
601.60						2	1	2	2				601.60	8
601.40						6	14	13	9	6	3		601.40	59
601.20						10	16	13	17	10	12	2	601.20	139
601.00					8	11		2	2	9	10	12	601.00	193
600.80				1	7	1				5	5	11	600.80	223
600.60					7					1		5	600.60	236
600.40	2			5	6							1	600.40	250
600.20	8	1	4	11	3								600.20	277
600.00	16	4	9	10									600.00	316
599.80	4	13	14	2									599.80	349
599.60	1	10	4	1									599.60	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 9004: Pt. Iroquois, Brimley, Michigan on Lake Superior (Whitefish Bay

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	600.34	599.99	599.85	600.05	600.43	601.10	601.63	601.52	601.24	601.29	601.18	601.17
2	600.28	599.82	599.68	600.24	600.34	601.02	601.55	601.45	601.57	601.27	601.33	601.06
3	600.36	599.86	599.87	600.10	600.66	601.05	601.46	601.47	601.53	601.27	601.42	601.08
4	600.58	600.28	600.04	600.02	600.60	601.09	601.55	601.43	601.29	601.33	601.26	601.12
5	600.29	599.98	600.07	600.25	600.46	601.13	601.49	601.58	601.34	601.22	601.31	601.03
6	600.18	599.69	599.95	600.81	600.39	600.89	601.41	601.39	601.62	601.40	601.41	601.04
7	600.22	600.02	600.03	600.12	600.26	601.07	601.39	601.47	601.59	601.30	601.17	601.22
8	600.15	600.05	599.91	600.07	600.60	601.22	601.34	601.57	601.39	601.14	601.58	601.21
9	600.37	599.91	599.90	600.22	600.67	601.18	601.35	601.41	601.29	601.22	601.33	601.09
10	600.21	599.95	600.13	600.11	600.60	601.43	601.34	601.64	601.48	601.16	601.36	600.67
11	600.10	599.78	600.07	599.95	600.72	601.32	601.37	601.51	601.24	600.99	601.16	601.17
12	600.01	599.92	599.91	599.63	600.79	601.30	601.35	601.30	601.38	601.41	601.20	601.07
13	600.12	599.76	599.95	599.89	600.73	601.20	601.30	601.52	601.50	601.42	601.27	600.83
14	600.42	599.62	600.22	600.12	600.83	601.09	601.34	601.90	601.58	601.17	601.17	601.05
15	600.23	599.78	599.98	600.27	600.90	601.22	601.41	601.65	601.50	601.14	601.29	600.98
16	600.05	600.01	599.88	600.26	600.72	601.33	601.52	601.42	601.33	600.99	601.10	601.20
17	599.99	599.82	599.77	600.25	600.53	601.51	601.43	601.36	601.31	601.20	601.16	601.12
18	599.91	599.73	599.78	600.16	600.77	601.40	601.33	601.42	601.67	600.86	600.90	600.66
19	599.77	599.70	599.70	600.08	600.96	601.20	601.35	601.38	601.38	600.97	600.95	600.76
20	599.90	599.77	599.86	600.05	601.00	601.03	601.34	601.37	601.42	600.91	601.31	600.63
21	600.07	599.94	599.94	600.25	601.09	601.34	601.32	601.29	601.54	601.20	601.08	600.59
22	600.06	599.73	599.90	600.21	600.97	601.67	601.42	601.19	601.38	601.34	601.03	600.79
23	599.94	599.80	600.14	600.23	601.09	601.64	601.28	601.23	601.25	601.60	600.99	600.85
24	600.14	600.06	600.30	600.21	601.13	601.45	601.33	601.35	601.20	601.50	601.00	600.92
25	600.19	599.92	600.22	600.29	601.12	601.30	601.53	601.39	601.34	601.44	600.98	600.87
26	600.07	599.88	600.16	600.55	601.12	601.32	601.46	601.27	601.26	601.26	601.26	600.83
27	600.03	599.81	600.00	600.51	601.12	601.46	601.45	601.37	601.13	601.07	601.32	600.94
28	600.10	599.86	599.87	600.51	601.07	601.40	601.43	601.22	601.29	601.41	601.20	600.96
29	600.10		600.10	600.43	601.04	601.44	601.34	601.30	601.30	601.19	601.40	600.95
30	600.02		600.06	600.53	600.95	601.54	601.37	601.47	601.31	601.01	601.24	600.88
31	600.04		600.23		600.92		601.60	601.19		600.80		600.86
MEAN	600.14	599.87	599.98	600.21	600.79	601.28	601.41	601.42	601.39	601.21	601.21	600.95
MAX.	600.74	600.53	600.66	601.87	601.45	601.99	601.92	602.09	601.97	601.88	602.19	601.91
	1300/04	2000/23	1900/30	0100/06	2000/20	1200/10	0500/31	0100/14	2100/06	1900/23	1300/08	2200/15
MIN.	599.53	599.11	599.49	599.13	599.94	600.50	601.08	600.44	600.67	600.54	600.63	600.10
	1100/19	0300/23	1800/02	0700/12	0200/07	1800/06	0100/24	1800/31	1300/01	1900/31	1800/18	1100/10

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 600.82

ANNUAL SUMMARY OF LEVELS, 1979
Station 9016: Marquette, Michigan on Lake Superior

INTERNATIONAL
GREAT LAKES
DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	601.50	Jul	599.95	Feb
Daily mean elevation:	601.71	23 Oct	599.87	2 Mar
Instant/hourly Elevation:	602.23	1900/6 Aug	599.43	2100/13 Feb

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
600.40	1 Jan
600.12	8 Feb
600.32	24 Mar
600.56	30 Apr
601.15	31 May
601.55	22 Jun
601.59	31 Jul
601.64	14 Aug
601.60	6 Sep
601.71	23 Oct
601.38	6 Nov
601.31	1 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
599.98	19 Jan
599.87	19 Feb
599.87	2 Mar
600.09	7 Apr
600.53	1 May
601.16	2 Jun
601.44	21 Jul
601.39	28 Aug
601.32	27 Sep
601.11	18 Oct
601.09	24 Nov
600.86	18 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
601.60								1		1			601.60	2
601.40						16	31	29	22	3			601.40	103
601.20						8		1	8	18	20	2	601.20	160
601.00					13	6				9	10	11	601.00	209
600.80					8							18	600.80	235
600.60					2								600.60	237
600.40				5	8								600.40	250
600.20	3		1	8									600.20	262
600.00	27	3	16	17									600.00	325
599.80	1	25	14										599.80	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 9016: Marquette, Michigan on Lake Superior

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	600.40	599.99	599.95	600.13	600.53	601.19	601.52	601.56	601.46	601.34	601.26	601.31
2	600.21	599.93	599.87	600.12	600.56	601.16	601.50	601.54	601.52	601.34	601.27	601.11
3	600.16	599.94	599.99	600.10	600.58	601.17	601.48	601.56	601.56	601.33	601.31	601.02
4	600.22	600.01	600.12	600.10	600.57	601.19	601.48	601.59	601.44	601.34	601.32	601.06
5	600.12	599.94	600.05	600.19	600.58	601.19	601.51	601.58	601.47	601.26	601.37	601.12
6	600.05	599.94	600.02	600.20	600.56	601.17	601.51	601.56	601.60	601.37	601.38	601.09
7	600.14	600.09	600.08	600.09	600.55	601.32	601.50	601.54	601.58	601.31	601.19	601.25
8	600.09	600.12	600.03	600.12	600.54	601.32	601.50	601.53	601.47	601.25	601.31	601.09
9	600.19	599.95	600.01	600.15	600.73	601.33	601.48	601.55	601.45	601.21	601.36	601.07
10	600.18	599.97	600.00	600.13	600.71	601.41	601.49	601.60	601.54	601.19	601.32	601.00
11	600.06	599.90	600.00	600.10	600.84	601.37	601.49	601.54	601.48	601.16	601.20	601.14
12	600.06	599.95	599.99	600.10	600.81	601.38	601.48	601.44	601.47	601.41	601.21	601.18
13	600.19	599.88	600.04	600.13	600.83	601.33	601.51	601.48	601.54	601.33	601.27	601.02
14	600.19	599.90	600.06	600.10	600.89	601.33	601.46	601.64	601.57	601.13	601.22	601.00
15	600.06	599.93	599.96	600.13	600.94	601.39	601.47	601.55	601.52	601.14	601.28	600.97
16	600.06	599.97	599.96	600.18	600.88	601.47	601.47	601.47	601.45	601.13	601.17	601.11
17	600.11	599.89	599.94	600.22	600.87	601.53	601.46	601.45	601.44	601.16	601.18	600.96
18	600.08	599.87	599.98	600.20	601.00	601.46	601.44	601.45	601.54	601.11	601.20	600.86
19	599.98	599.87	599.98	600.22	601.06	601.46	601.47	601.47	601.47	601.17	601.16	600.96
20	600.01	599.89	600.00	600.22	601.06	601.46	601.49	601.42	601.45	601.14	601.25	600.88
21	600.11	599.96	599.95	600.29	601.08	601.48	601.44	601.43	601.46	601.23	601.27	600.87
22	600.05	599.91	599.96	600.33	601.07	601.55	601.55	601.42	601.43	601.50	601.29	600.92
23	600.10	599.95	600.14	600.34	601.12	601.54	601.49	601.42	601.38	601.71	601.13	600.94
24	600.20	600.00	600.32	600.36	601.12	601.50	601.50	601.42	601.34	601.51	601.09	600.98
25	600.17	599.96	600.16	600.39	601.10	601.47	601.57	601.45	601.35	601.40	601.15	600.97
26	600.08	599.92	600.06	600.46	601.12	601.54	601.54	601.47	601.36	601.30	601.26	600.91
27	600.07	599.90	600.03	600.52	601.12	601.54	601.50	601.46	601.32	601.29	601.18	600.89
28	600.10	599.97	600.06	600.55	601.12	601.54	601.48	601.39	601.39	601.37	601.23	600.90
29	600.05		600.12	600.53	601.11	601.53	601.48	601.43	601.39	601.30	601.35	600.90
30	600.04		600.12	600.56	601.11	601.53	601.54	601.46	601.35	601.28	601.31	600.90
31	600.04		600.19		601.15		601.59	601.41		601.24		600.89
MEAN	600.12	599.95	600.04	600.24	600.88	601.40	601.50	601.49	601.46	601.29	601.25	601.01
MAX.	600.67	600.34	600.63	600.74	601.45	602.17	601.87	602.23	602.00	602.09	601.77	601.68
	1400/01	1800/14	1800/30	0800/26	1300/20	1900/15	1000/30	1900/06	2200/10	1900/22	1400/22	1300/14
MIN.	599.79	599.43	599.49	599.71	599.51	600.52	601.07	600.81	600.95	600.86	600.72	600.36
	0900/19	2100/13	1400/30	1300/13	1500/09	1100/15	1800/30	1200/07	2400/12	0900/22	0700/23	2200/18

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 600.89

ANNUAL SUMMARY OF LEVELS, 1979
Station 9044: Ontonagon, Michigan on Lake Superior

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	601.58	Aug	600.50	Apr
Daily mean elevation:	601.72	20 Jun	600.21	21 Apr
Instant/hourly Elevation:	602.22	1615/20 Jun	599.44	0100/10 May

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
	Jan
	Feb
	Mar
600.68	29 Apr
601.23	31 May
601.72	20 Jun
601.64	30 Jul
601.71	4 Aug
601.63	2 Sep
601.57	31 Oct
601.47	4 Nov
	Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
	Jan
	Feb
	Mar
600.21	21 Apr
*600.52	3 May
601.19	1 Jun
601.51	25 Jul
601.50	24 Aug
601.35	30 Sep
601.15	17 Oct
601.12	16 Nov
	Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
601.60						5	9	9	3				601.60	26
601.40						15	22	22	24	7	4		601.40	120
601.20					3	9			3	21	23		601.20	179
601.00					13	1				3	3		601.00	199
600.80					6								600.80	205
600.60				3	7								600.60	215
600.40				7	2								600.40	224
600.20				2									600.20	226

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 9044: Ontonagon, Michigan on Lake Superior

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	/	/	/	/	600.65	601.19	601.60	601.63	601.57	601.43	601.41	/
2	/	/	/	/	600.65	601.24	601.61	601.62	601.63	601.39	601.36	/
3	/	/	/	/	600.52	601.28	601.64	601.65	601.59	601.33	601.45	/
4	/	/	/	/	600.56	601.27	601.59	601.71	601.61	601.37	601.47	/
5	/	/	/	/	600.67	601.31	601.57	601.61	601.60	601.35	601.43	/
6	/	/	/	/	600.74	601.38	601.61	601.63	601.61	601.33	601.33	/
7	/	/	/	/	600.72	601.38	601.61	601.57	601.55	601.30	601.31	/
8	/	/	/	/	600.69	601.35	601.62	601.63	601.58	601.32	601.35	/
9	/	/	/	/	600.78	601.35	601.61	601.65	601.59	601.26	601.39	/
10	/	/	/	/	600.86	601.31	601.58	601.58	601.48	601.26	601.36	/
11	/	/	/	/	600.82	601.44	601.59	601.59	601.56	601.30	601.35	/
12	/	/	/	/	600.91	601.45	601.60	601.61	601.48	601.28	601.29	/
13	/	/	/	/	600.94	601.51	601.62	601.59	601.49	601.17	601.32	/
14	/	/	/	/	600.96	601.44	601.56	601.54	601.51	601.24	601.30	/
15	/	/	/	/	600.95	601.44	601.56	601.58	601.52	601.24	601.28	/
16	/	/	/	/	601.05	601.53	601.56	601.58	601.55	601.19	601.12	/
17	/	/	/	/	601.12	601.49	601.55	601.60	601.50	601.15	601.28	/
18	/	/	/	/	601.06	601.52	601.55	601.54	601.49	601.26	601.33	/
19	/	/	/	600.48	601.08	601.65	601.59	601.57	601.49	601.28	601.28	/
20	/	/	/	600.45	601.10	601.72	601.60	601.54	601.49	601.30	601.20	/
21	/	/	/	600.21	601.08	601.57	601.56	601.52	601.47	601.28	601.31	/
22	/	/	/	600.27	601.18	601.53	601.61	601.54	601.52	601.41	601.28	/
23	/	/	/	600.47	601.11	601.54	601.58	601.50	601.50	601.47	601.25	/
24	/	/	/	600.54	601.12	601.62	601.56	601.50	601.44	601.38	601.21	/
25	/	/	/	600.52	601.12	601.60	601.51	601.56	601.40	601.36	601.24	/
26	/	/	/	600.54	601.12	601.59	601.54	601.56	601.47	601.37	601.22	/
27	/	/	/	600.58	601.13	601.61	601.52	601.51	601.45	601.44	601.19	/
28	/	/	/	600.61	601.16	601.64	601.52	601.53	601.46	601.38	601.35	/
29	/		/	600.68	601.21	601.60	601.54	601.53	601.39	601.43	601.27	/
30	/		/	600.61	601.23	601.60*	601.64	601.52	601.35	601.48	601.29	/
31	/		/		601.23		601.59	601.56		601.57		/
MEAN	/	/	/	600.50	600.95	601.47	601.58	601.58	601.51	601.33	601.31	/
MAX.				600.78	601.85	602.22	601.94	602.21	602.21	602.13	601.75	
				1855/29	2155/09	1615/20	0240/22	0146/07	0900/11	0048/23	0645/08	
MIN.				599.96	599.44	600.42	601.28	601.15	600.86	600.53	600.70	
				1940/21	0100/10	1930/03	0030/22	1957/06	2207/10	2340/21	1510/16	

ANNUAL MEAN: 601.28

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

ANNUAL SUMMARY OF LEVELS, 1979
Station 9064: Duluth, Minnesota on Lake Superior

INTERNATIONAL
GREAT LAKES
DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	601.63	Jul	600.08	Feb
Daily mean elevation:	601.93	31 Oct	599.76	4 Feb
Instant/hourly Elevation:	602.32	1200/20 Jun	599.46	0100/6 Apr

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
600.32	19 Jan
600.28	22 Feb
600.42	19 Mar
600.83	29 Apr
601.43	30 May
601.92	20 Jun
601.78	3 Jul
601.79	31 Aug
601.81	11 Sep
601.93	31 Oct
601.56	4 Nov
601.36	10 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
599.83	14 Jan
599.76	4 Feb
599.97	14 Mar
600.03	6 Apr
600.54	3 May
601.28	1 Jun
601.50	15 Jul
601.40	13 Aug
601.36	25 Sep
601.07	12 Oct
601.03	16 Nov
600.75	28 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
601.80						2			1	1		
601.60						8	22	17	8	2		
601.40					2	13	9	13	20	10	7	
601.20					9	7		1	1	15	16	4
601.00					11					3	7	15
600.80				1	4							9
600.60				6	4							3
600.40			2	10	1							
600.20	5	1	15	10								
600.00	22	22	13	3								
599.80	4	4	1									
599.60		1										

Elev. (ft.)	No. of days above elev.
601.80	4
601.60	61
601.40	135
601.20	188
601.00	224
600.80	238
600.60	251
600.40	264
600.20	295
600.00	355
599.80	364
599.60	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 9064: Duluth, Minnesota on Lake Superior

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	600.17	600.08	600.12	600.37	600.80	601.28	601.61	601.72	601.68	601.46	601.32	601.19
2	600.12	600.11	600.18	600.19	600.78	601.29	601.70	601.65	601.55	601.49	601.21	601.02
3	600.03	600.07	600.16	600.27	600.54	601.38	601.78	601.63	601.70	601.30	601.35	600.83
4	599.93	599.76	600.08	600.38	600.67	601.31	601.69	601.74	601.76	601.32	601.56	601.20
5	599.95	600.13	600.15	600.08	600.88	601.40	601.64	601.64	601.60	601.31	601.48	601.04
6	600.07	600.16	600.25	600.03	601.08	601.52	601.62	601.78	601.49	601.25	601.31	601.26
7	600.13	600.00	600.20	600.48	600.94	601.42	601.67	601.55	601.56	601.36	601.30	601.08
8	600.02	599.98	600.25	600.39	600.80	601.38	601.69	601.66	601.66	601.32	601.19	600.95
9	600.06	599.94	600.11	600.25	600.91	601.41	601.66	601.73	601.71	601.18	601.38	601.23
10	600.03	600.07	600.01	600.36	601.16	601.32	601.64	601.56	601.79	601.32	601.36	601.36
11	600.15	600.07	600.10	600.59	600.91	601.50	601.64	601.65	601.81	601.21	601.44	601.06
12	600.23	600.06	600.26	600.67	601.03	601.53	601.66	601.70	601.64	601.07	601.27	601.20
13	600.12	600.14	600.15	600.46	601.06	601.57	601.67	601.40	601.51	601.14	601.35	600.98
14	599.83	600.20	599.97	600.33	601.02	601.63	601.52	601.41	601.47	601.27	601.33	601.17
15	600.02	600.11	600.05	600.22	601.07	601.50	601.50	601.57	601.53	601.33	601.34	600.90
16	600.25	599.96	600.22	600.29	601.21	601.57	601.58	601.61	601.59	601.26	601.03	600.80
17	600.15	600.13	600.33	600.37	601.28	601.53	601.57	601.61	601.46	601.24	601.35	600.96
18	600.26	600.14	600.37	600.52	601.11	601.68	601.53	601.55	601.44	601.43	601.48	601.21
19	600.32	600.12	600.42	600.55	601.17	601.87	601.56	601.60	601.56	601.37	601.32	601.05
20	600.22	600.11	600.26	600.55	601.14	601.92	601.61	601.65	601.42	601.43	601.19	601.15
21	600.04	600.02	600.21	600.46	601.20	601.45	601.56	601.75	601.43	601.28	601.43	601.18
22	600.10	600.28	600.25	600.55	601.39	601.58	601.67	601.71	601.54	601.44	601.51	601.07
23	600.11	600.01	600.20	600.69	601.20	601.60	601.64	601.57	601.62	601.31	601.30	601.12
24	599.96	600.08	600.21	600.65	601.22	601.68	601.62	601.45	601.44	601.43	601.27	601.05
25	600.02	600.10	600.20	600.54	601.25	601.72	601.59	601.55	601.36	601.43	601.41	601.04
26	600.09	600.13	600.22	600.60	601.21	601.59	601.62	601.56	601.54	601.60	601.12	600.95
27	600.12	600.12	600.34	600.66	601.21	601.66	601.61	601.54	601.55	601.51	601.06	600.86
28	600.05	600.20	600.41	600.70	601.28	601.73	601.57	601.64	601.51	601.50	601.18	600.75
29	600.03		600.40	600.83	601.42	601.63	601.61	601.49	601.45	601.68	601.06	600.80
30	600.04		600.26	600.70	601.43	601.63	601.71	601.57	601.42	601.77	601.23	600.87
31	600.02		600.28		601.27		601.66	601.79		601.93		600.90
MEAN	600.09	600.08	600.21	600.46	601.09	601.54	601.63	601.61	601.56	601.39	601.30	601.04
MAX.	600.57	600.56	600.68	601.08	601.74	602.32	602.00	602.03	602.21	602.19	601.93	601.74
	0100/17	2400/22	0200/30	1200/12	1400/22	1200/20	1800/30	1500/06	0700/11	1200/31	0200/01	1000/10
MIN.	599.57	599.59	599.70	599.46	600.43	600.90	601.29	601.19	601.02	600.90	600.70	600.46
	2100/14	1800/23	1400/04	0100/06	1400/03	1100/10	1400/15	0800/07	0800/20	0500/12	1600/26	2100/16

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 601.00

ANNUAL SUMMARY OF LEVELS, 1979
Station 9070: Two Harbors, Minnesota on Lake Superior

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	601.58	Aug	600.05	Feb
Daily mean elevation:	601.88	20 Jun	599.76	4 Feb
Instant/hourly Elevation:	602.14	1400/20 Jun	599.51	2400/5 Apr

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
600.26	19 Jan
600.21	22 Feb
600.36	19 Mar
600.73	29 Apr
601.36	30 May
601.88	20 Jun
601.64	3 Jul
601.64	1 Aug
601.69	11 Sep
601.78	31 Oct
601.50	4 Nov
601.32	10 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
599.85	14 Jan
599.76	4 Feb
599.96	14 Mar
600.01	6 Apr
600.53	3 May
601.25	1 Jun
601.49	15 Jul
601.50	3 Aug
601.34	25 Sep
601.07	12 Oct
601.05	16 Nov
600.74	28 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
601.80						1							601.80	1
601.60						6	6	1	3	2			601.60	19
601.40						14	25	2	20	6	4		601.40	90
601.20					7	9			3	18	18	2	601.20	147
601.00					12					5	8	15	601.00	187
600.80					6							11	600.80	204
600.60				3	5							3	600.60	215
600.40				12	1								600.40	228
600.20	3	1	12	11									600.20	255
600.00	22	20	17	4									600.00	318
599.80	6	6	2										599.80	332
599.60		1											599.60	333

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 9070: Two Harbors, Minnesota on Lake Superior

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	600.16	600.04	600.06	600.31	600.74	601.25	601.56	601.64	/	601.43	601.33	601.17
2	600.12	600.08	600.14	600.17	600.73	601.27	601.62	601.60	/	601.43	601.22	601.04
3	600.05	600.04	600.11	600.25	600.53	601.34	601.64	601.50*	/	601.30	601.32	600.85
4	599.94	599.76	600.06	600.34	600.63	601.30	601.58	/	/	601.30	601.50	601.16
5	599.99	600.08	600.13	600.05	600.80	601.34	601.57	/	601.50*	601.30	601.42	601.03
6	600.08	600.14	600.22	600.01	600.94	601.46	601.57	/	601.45	601.23	601.30	601.22
7	600.12	599.97	600.15	600.40	600.87	601.40	601.61	/	601.52	601.31	601.31	601.05
8	600.04	599.95	600.22	600.35	600.76	601.35	601.63	/	601.60	601.29	601.17	600.95
9	600.04	599.92	600.09	600.21	600.82	601.38	601.60	/	601.63	601.16	601.33	601.20
10	600.02	600.02	600.00	600.32	601.03	601.30	601.59	/	601.68	601.28	601.33	601.32
11	600.14	600.03	600.08	600.51	600.86	601.46	601.59	/	601.69	601.20	601.41	601.03
12	600.19	600.03	600.22	600.59	600.98	601.47	601.60	/	601.59	601.07	601.25	601.17
13	600.10	600.09	600.11*	600.43	601.02	601.53	601.61	/	601.48	601.12	601.31*	600.98
14	599.85	600.15	599.96	600.29	601.00	601.57	601.52	/	601.46	601.23	601.29*	601.13
15	600.01	600.08	600.04	600.20	601.03	601.50	601.49	/	601.52	601.28	601.31	600.87
16	600.21	599.95	600.18	600.24	601.16	601.51	601.53	/	601.56	601.22	601.05*	600.78
17	600.13	600.07	600.29	600.31	601.24	601.49	601.55	/	601.45	601.20	601.31	600.96
18	600.22	600.10	600.30	600.42	601.10	601.61	601.51	/	601.42	601.36	601.41	601.17
19	600.26	600.07	600.36	600.46	601.12	601.77	601.54	/	601.50	601.34	601.30	601.02
20	600.18	600.07	600.22	600.46	601.11	601.88	601.55	/	601.41	601.39	601.16	601.10
21	600.02	599.99	600.18	600.35	601.16	601.48	601.52	/	601.39	601.24	601.34	601.12
22	600.07	600.21	600.20*	600.45	601.28	601.55	601.56	/	601.50	601.39	601.38	601.02
23	600.07	599.99	600.16	600.56	601.16	601.57	601.57	/	601.56	601.30	601.25	601.06
24	599.96	600.05	600.16	600.55	601.18	601.63	601.56	/	601.42	601.38	601.25	600.99
25	600.00	600.07*	600.16*	600.47	601.21	601.67	601.52	/	601.34	601.40	601.34	600.98
26	600.06	600.10*	600.20*	600.52	601.17	601.59	601.56	/	601.49	601.53	601.09	600.91
27	600.08	600.09*	600.28	600.60	601.17	601.63	601.54	/	601.50	601.47	601.07	600.84
28	600.03	600.14*	600.32*	600.63	601.25	601.68	601.52	/	601.47	601.46	601.18	600.74
29	600.01		600.31*	600.73	601.33	601.60	601.55	/	601.42	601.59	601.07	600.78
30	600.02		600.22*	600.63	601.36	601.59	601.62	/	601.38	601.65	601.20	600.85
31	600.00		600.27*		601.26		601.59	/		601.78		600.88
MEAN	600.07	600.05	600.17	600.39	601.03	601.51	601.57	601.58	601.50	601.34	601.27	601.01
MAX.	600.52	600.52	600.55	600.96	601.59	602.14	601.84	601.72	601.95	601.97	601.88	601.70
	0100/17	2200/22	0400/30	0200/12	1800/30	1400/20	1500/07	0800/01	0700/11	1100/31	0100/01	1000/10
MIN.	599.63	599.68	599.76	599.51	600.43	600.89	601.29	601.42	601.10	600.89	600.75	600.44
	2000/14	1400/04	1000/14	2400/05	1300/03	1000/10	0900/25	0300/03	0500/30	0500/12	1600/26	1900/15

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 600.96

ANNUAL SUMMARY OF LEVELS, 1979

Station 9090: Grand Marais, Minnesota on Lake Superior

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	601.46	Jul	599.94	Feb
Daily mean elevation:	601.75	20 Jun	599.76	4 Feb
Instant/hourly Elevation:	602.32	0400/20 Jun	599.66	2000/9 Feb

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
600.13	1 Jan
600.03	22 Feb
600.21	19 Mar
600.56	29 Apr
601.19	31 May
601.75	20 Jun
601.53	30 Jul
601.56	6 Aug
601.60	11 Sep
601.48	31 Oct
601.36	1 Nov
601.17	10 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
599.85	14 Jan
599.76	4 Feb
599.94	14 Mar
599.99	6 Apr
600.47	3 May
601.16	1 Jun
601.40	16 Jul
601.33	14 Aug
601.28	30 Sep
601.05	12 Oct
600.99	26 Nov
600.75	28 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
601.60						1							601.60	1
601.40						14	30	22	16	2			601.40	85
601.20						11	1	9	14	17	16		601.20	153
601.00					14	4				12	13	9	601.00	205
600.80					8						1	16	600.80	230
600.60					5							6	600.60	241
600.40				6	4								600.40	251
600.20			1	12									600.20	264
600.00	14	2	24	11									600.00	315
599.80	17	25	6	1									599.80	364
599.60		1											599.60	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 9090: Grand Marais, Minnesota on Lake Superior

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	600.13	599.92	599.95	600.18	600.60	601.16	601.44	601.53	601.56	601.31	601.36	601.08
2	600.12	599.96	600.01	600.10	600.63	601.18	601.48	601.54	601.46	601.31	601.26	601.06
3	600.07	599.94	599.97	600.16	600.47	601.22	601.50	601.52	601.48	601.24	601.26	600.94
4	599.97	599.76	600.00	600.21	600.54	601.19	601.47	601.53	601.55	601.24	601.35	601.09
5	600.05	599.95	600.04	600.04	600.63	601.20	601.49	601.47	601.43	601.24	601.28	601.03
6	600.06	600.00	600.09	599.99	600.69	601.26	601.50	601.56	601.41	601.14	601.23	601.10
7	600.07	599.88	600.05	600.19	600.70	601.22	601.50	601.47	601.39	601.17	601.30	600.96
8	600.03	599.87	600.08	600.20	600.60	601.30	601.49	601.47	601.44	601.20	601.14	600.94
9	600.00	599.85	600.05	600.12	600.78	601.25	601.48	601.52	601.46	601.13	601.21	601.05
10	599.99	599.90	599.98	600.18	600.87	601.26	601.50	601.41	601.50	601.21	601.24	601.17
11	600.07	599.94	600.01	600.28	600.84	601.36	601.47	601.47	601.60	601.15	601.29	600.97
12	600.08	599.90	600.09	600.38	600.89	601.38	601.46	601.53	601.53	601.05	601.21	601.04
13	600.00	599.95	600.03	600.30	600.93	601.39	601.47	601.38	601.46	601.09	601.21	600.96
14	599.85	600.01	599.94	600.22	600.92	601.46	601.47	601.33	601.43	601.17	601.23	600.99
15	599.95	599.99	599.98	600.14	600.91	601.43	601.42	601.40	601.43	601.17	601.21	600.82
16	600.07	599.87	600.05	600.17	601.02	601.38	601.40	601.43	601.48	601.15	601.11	600.78
17	600.04	599.95	600.12	600.19	601.13	601.37	601.43	601.43	601.41	601.10	601.20	600.86
18	600.10	599.98	600.12	600.27	600.99	601.45	601.43	601.41	601.34	601.21	601.26	600.99
19	600.10	599.97	600.21	600.30	601.00	601.55	601.45	601.41	601.37	601.22	601.23	600.93
20	600.05	599.95	600.10	600.35	601.01	601.75	601.45	601.39	601.34	601.30	601.09	601.01
21	599.97	599.88	600.09	600.29	601.04	601.48	601.45	601.43	601.32	601.16	601.16	601.00
22	599.96	600.03	600.09	600.36	601.12	601.45	601.44	601.48	601.36	601.27	601.17	600.90
23	599.97	599.95	600.06	600.40	601.05	601.45	601.50	601.45	601.38	601.23	601.17	600.88
24	599.89	599.93	600.07	600.43	601.06	601.51	601.44	601.40	601.35	601.27	601.18	600.80
25	599.92	599.94	600.07	600.40	601.09	601.55	601.41	601.41	601.30	601.28	601.20	600.85
26	599.96	599.97	600.08	600.43	601.05	601.54	601.45	601.39	601.34	601.39	600.99	600.83
27	599.97	599.98	600.17	600.48	601.06	601.52	601.43	601.37	601.36	601.40	601.09	600.81
28	599.94	600.00	600.19	600.51	601.11	601.54	601.44	601.45	601.32	601.32	601.12	600.75
29	599.92		600.18	600.56	601.14	601.48	601.44	601.37	601.30	601.40	601.06	600.76
30	599.92		600.13	600.52	601.17	601.48	601.53	601.35	601.28	601.41	601.10	600.79
31	599.90		600.12		601.19		601.50	601.48		601.48		600.80
MEAN	600.00	599.94	600.07	600.28	600.91	601.39	601.46	601.44	601.41	601.24	601.20	600.93
MAX.	600.35	600.39	600.46	600.77	601.59	602.32	601.69	601.87	602.08	601.75	601.80	601.56
	1600/01	2400/22	1700/29	0300/12	1500/10	0400/20	1700/23	1900/06	0700/01	1800/31	0100/01	0400/05
MIN.	599.67	599.66	599.71	599.67	600.31	600.84	601.23	601.11	601.05	600.69	600.78	600.26
	2200/14	2000/09	0900/14	2400/05	2200/08	1900/06	1000/26	2400/29	2000/29	2200/21	1600/26	1900/15

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 600.86

Water Level Stages for Lake Ontario at Oswego

1900 thru Dec 1979

NOAA/NOS
WSC-1 C234
Great Lakes Water Levels
Rockville, Maryland 20852

Levels in Feet above
IGLD (1955)
Chart Datum 242.80

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1946	1952	1952	1973	1952	1952	1947	1947	1947	1945	1945	1945
HIGH	246.10	246.46	246.77	247.69	247.95	248.06	247.74	247.45	246.91	246.33	246.18	246.19
MEAN	244.02	244.11	244.38	245.06	245.46	245.58	245.49	245.15	244.72	244.33	244.07	244.00
	1935	1936	1935	1935	1935	1935	1934	1934	1934	1934	1934	1934
LOW	241.67	241.59	242.08	242.38	242.67	242.91	242.75	242.26	241.94	241.72	241.45	241.48

1900 thru 1979 mean 244.70

Water Level Stages for Lake Erie at Cleveland

1900 thru Dec 1979

NOAA/NOS
WSC-1 C234
Great Lakes Water Levels
Rockville, Maryland 20852

Levels in Feet above
IGLD (1955)
Chart Datum 568.60

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1973	1973	1973	1973	1973	1973	1973	1973	1973	1973	1972	1972
HIGH	572.39	572.53	572.88	573.30	573.25	573.51	573.34	573.03	572.51	572.14	572.17	572.35
MEAN	569.80	569.78	570.03	570.59	570.90	571.03	570.98	570.79	570.50	570.18	569.90	569.83
	1935	1936	1934	1934	1934	1934	1934	1934	1934	1934	1934	1934
LOW	567.62	567.49	567.65	568.20	568.43	568.46	568.46	568.36	568.23	567.95	567.60	567.53

1900 thru 1979 mean 570.35

Water Level Stages for Lake St. Clair at St. Clair Shores

1900 thru Dec 1979

NOAA/NOS
WSC-1 C234
Great Lakes Water Levels
Rockville, Maryland 20852

Levels in Feet above
IGLD (1955)
Chart Datum 571.70

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1974	1974	1973	1973	1974	1973	1973	1973	1973	1973	1972	1972
HIGH	575.37	575.39	575.75	575.91	576.06	576.23	576.20	576.03	575.70	575.35	575.18	575.21
MEAN	572.60	572.32	572.77	573.36	573.65	573.82	573.90	573.78	573.57	573.28	572.98	572.99
	1936	1926	1934	1901	1934	1934	1934	1934	1934	1934	1934	1925
LOW	569.86	569.88	570.41	571.09	571.64	571.74	571.88	571.60	571.36	571.13	570.83	571.05

1900 thru 1979 mean 573.25

Water Level Stages for Lake Huron-Michigan at Harbor Beach

1900 thru Dec 1979

NOAA/NOS
WSC-1 C234
Great Lakes Water Levels
Rockville, Maryland 20852

Levels in Feet above
IGLD (1955)
Chart Datum 576.80

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1973	1952	1973	1973	1973	1973	1974	1973	1952	1973	1973	1973
HIGH	579.92	579.91	579.98	580.32	580.60	580.89	581.04	580.99	580.76	580.45	580.20	579.97
MEAN	577.77	577.73	577.78	578.04	578.36	578.59	578.72	578.68	578.51	578.30	578.09	577.92
	1965	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964
LOW	575.39	575.44	575.35	575.36	575.79	575.90	575.96	575.97	575.94	575.77	575.57	575.40

1900 thru 1979 mean 578.21

Water Level Stages for Lake Superior at Marquette

1900 thru Dec 1979

NOAA/NOS
WSC-1 C234
Great Lakes Water Levels
Rockville, Maryland 20852

Levels in Feet above
IGLD (1955)
Chart Datum 600.00

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1975	1975	1975	1951	1951	1951	1950	1950	1916	1951	1974	1974
HIGH	601.33	601.18	600.97	601.14	601.53	601.64	601.89	602.02	601.93	601.93	601.81	601.53
MEAN	600.35	600.14	600.00	600.04	600.39	600.68	600.90	601.01	601.04	600.97	600.83	600.60
	1926	1926	1926	1926	1926	1926	1926	1926	1926	1925	1925	1925
LOW	598.58	598.37	598.32	598.23	598.30	598.63	598.99	599.15	599.46	599.49	599.17	598.94

1900 thru 1979 mean 600.58

ANNUAL SUMMARY OF LEVELS, 1979

Station 1030: Ogdensburg, New York on St. Lawrence River

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	74.70	May	74.12	Dec
Daily mean elevation:	74.87	6 Apr	73.87	25 Dec
Instant/hourly elevation:	75.33	1400/6 Apr	73.67	1300/25 Dec

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
74.37	4 Jan
74.28	5 Feb
74.52	26 Mar
74.87	6 Apr
74.79	5 May
74.74	11 Jun
74.64	2 Jul
74.58	14 Aug
74.52	18 Sep
74.43	6 Oct
74.31	27 Nov
74.28	4 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
74.13	24 Jan
74.00	26 Feb
74.07	1 Mar
74.41	1 Apr
74.41	25 May
74.58	30 Jun
74.51	17 Jul
74.40	22 Aug
74.31	30 Sep
74.13	31 Oct
74.04	19 Nov
73.87	25 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
74.85				1									74.85	1
74.80													74.80	1
74.75					6								74.75	7
74.70				1	10	2							74.70	20
74.65				8	11	16							74.65	55
74.60				10	1	10	5						74.60	81
74.55				5	2	2	13	6					74.55	109
74.50			2	1			13	3	1				74.50	129
74.45			3	3				10	5				74.45	150
74.40			3	1	1			11	5	2			74.40	173
74.35	1		7					1	8	1			74.35	191
74.30	1		5						11	1	1		74.30	210
74.25	8	4	2							17	2	2	74.25	245
74.20	5	3	3							7	2	3	74.20	268
74.15	11	3	2							2	6	6	74.15	298
74.10	5	14	2							1	10	7	74.10	337
74.05		2	2								6	5	74.05	352
74.00		1									3	4	74.00	360
73.95		1										2	73.95	363
73.90												1	73.90	364
73.85												1	73.85	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 1030: Ogdensburg, New York on St. Lawrence River

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	74.21	74.28	74.07	74.41	74.76	74.67	74.59	74.53	74.42	74.30	74.18	74.17
2	74.18	74.27	74.11	74.47	74.72	74.70	74.64	74.58	74.44	74.26	74.20	74.12
3	74.31	74.24	74.10	74.60	74.71	74.70	74.63	74.57	74.44	74.26	74.17	74.26
4	74.37	74.26	74.12	74.48	74.79	74.69	74.61	74.56	74.38	74.28	74.17	74.28
5	74.26	74.28	74.17	74.65	74.79	74.69	74.60	74.57	74.38	74.29	74.14	74.20
6	74.17	74.21	74.19	74.87	74.76	74.66	74.60	74.50	74.37	74.43	74.13	74.21
7	74.15	74.15	74.21	74.69	74.69	74.65	74.61	74.54	74.36	74.41	74.14	74.18
8	74.16	74.21	74.23	74.60	74.72	74.67	74.61	74.56	74.34	74.34	74.20	74.24
9	74.22	74.19	74.25	74.47	74.77	74.67	74.58	74.49	74.35	74.27	74.10	74.25
10	74.20	74.17	74.30	74.59	74.73	74.67	74.57	74.47	74.40	74.27	74.18	74.09
11	74.19	74.17	74.36	74.60	74.71	74.74	74.58	74.47	74.35	74.30	74.11	74.16
12	74.18	74.15	74.36	74.58	74.73	74.69	74.59	74.42	74.32	74.30	74.11	74.15
13	74.15	74.15	74.33	74.53	74.76	74.70	74.58	74.45	74.34	74.37	74.09	74.03
14	74.27	74.15	74.47	74.62	74.73	74.68	74.56	74.58	74.41	74.30	74.11	74.10
15	74.26	74.12	74.39	74.64	74.72	74.70	74.56	74.51	74.46	74.30	74.14	74.14
16	74.21	74.12	74.37	74.65	74.72	74.69	74.57	74.47	74.46	74.24	74.14	74.19
17	74.15	74.15	74.33	74.66	74.70	74.67	74.51	74.48	74.50	74.24	74.25	74.11
18	74.20	74.11	74.30	74.65	74.69	74.61	74.53	74.47	74.52	74.21	74.08	74.05
19	74.17	74.13	74.31	74.65	74.68	74.61	74.55	74.47	74.43	74.22	74.04	73.94
20	74.15	74.15	74.35	74.66	74.69	74.61	74.54	74.43	74.46	74.27	74.10	73.99
21	74.19	74.12	74.34	74.65	74.72	74.62	74.54	74.43	74.48	74.28	74.05	74.08
22	74.26	74.15	74.37	74.67	74.69	74.64	74.55	74.40	74.36	74.24	74.09	74.07
23	74.19	74.09	74.36	74.67	74.65*	74.71	74.52	74.42	74.33	74.26	74.09	74.05
24	74.13	74.12	74.37	74.64	74.57*	74.65	74.52	74.44	74.32	74.30	74.13	74.00
25	74.18	74.04	74.42	74.63	74.41	74.61	74.53	74.49	74.37	74.27	74.05	73.87
26	74.25	74.00	74.52	74.65	74.56	74.62	74.57	74.43	74.36	74.26	74.11	74.05
27	74.24	74.09	74.51	74.69	74.68	74.66	74.54	74.42	74.33	74.21	74.31	74.10
28	74.26	74.11	74.43	74.70	74.69	74.63	74.54	74.41	74.34	74.22	74.23	74.15
29	74.30		74.47	74.74	74.69	74.60	74.54	74.44	74.32	74.20	74.26	74.17
30	74.29		74.41	74.70	74.70	74.58	74.53	74.47	74.31	74.17	74.26	74.14
31	74.28		74.48		74.70		74.56	74.41		74.13		74.11
MEAN	74.22	74.16	74.32	74.63	74.70	74.66	74.57	74.48	74.39	74.27	74.15	74.12
MAX.	74.47	74.37	74.62	75.33	74.85	74.83	74.69	74.68	74.55	74.51	74.56	74.43
	1700/14	1900/04	1700/26	1400/06	1900/05	0500/11	1700/02	1800/02	1300/18	1300/07	1500/28	0900/08
MIN.	74.06	73.94	74.04	74.33	74.28	74.55	74.46	74.37	74.29	74.11	73.97	73.67
	1700/24	1100/26	2100/01	1600/09	1900/25	0900/18	1100/17	1100/31	2400/12	1500/31	2300/25	1300/25

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 74.39

ANNUAL SUMMARY OF LEVELS, 1979

Station 2000: Cape Vincent, New York on St. Lawrence River

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	74.97	May	74.40	Dec
Daily mean elevation:	75.01	13 May	74.27	18 Dec
Instant/hourly elevation:	75.35	0500/6 Apr	74.14	1000/25 Dec

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
74.51	29 Jan
74.49	1 Feb
74.69	31 Mar
75.00	6 Apr
75.01	13 May
74.99	11 Jun
74.92	3 Jul
74.85	2 Aug
74.75	18 Sep
74.69	7 Oct
74.49	8 Nov
74.47	28 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
74.31	13 Jan
74.34	26 Feb
74.40	1 Mar
74.67	1 Apr
74.90	25 May
74.88	30 Jun
74.81	25 Jul
74.70	22 Aug
74.62	30 Sep
74.59	4 Oct
74.36	25 Nov
74.27	18 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
75.00					1								75.00	1
74.95				1	25	17							74.95	44
74.90				7	4	10	2						74.90	67
74.85				10	1	3	14						74.85	95
74.80				5			15	8					74.80	123
74.75				4				9					74.75	136
74.70				1				13	11				74.70	161
74.65			5	2				1	12	2			74.65	183
74.60			8						7	6			74.60	204
74.55			9							3			74.55	216
74.50	1		3										74.50	220
74.45	3	1	2								13	5	74.45	244
74.40	6	7	3								10	12	74.40	282
74.35	9	5	1								6	6	74.35	309
74.30	6	1										5	74.30	321
74.25												2	74.25	323

INTERNATIONAL
GREAT LAKES
DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 2000: Cape Vincent, New York on St. Lawrence River

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	/	74.49*	74.40	74.67	74.97	74.98	74.90	74.82*	74.71	74.62	/	74.42
2	/	/	74.45	74.72	74.95	74.99	74.92	74.85	74.73	74.59	74.49*	74.42
3	/	/	74.43	74.76	74.95	74.98	74.92	74.83	74.72	74.61	74.49	74.47
4	/	/	74.45	74.70	75.00	74.98	74.90	74.83	74.69	74.59	74.48	74.45
5	/	/	74.48	74.83	74.99	74.98	74.89	74.84	74.69	74.63	74.46	74.44
6	/	/	74.50	75.00	74.96	74.96	74.89	74.80	74.70	74.66	74.46	74.43
7	74.32*	/	74.51	74.85	74.95	74.96	74.88	74.82	74.68	74.69	74.46	74.44
8	74.35	/	74.53	74.80	74.97	74.97	74.88	74.83	74.66	74.62	74.49	74.47
9	74.41	/	74.53	74.77	74.98	74.97	74.86	74.79	74.66	74.62	74.43	74.47
10	74.36	/	74.57	74.85	74.97	74.97	74.86	74.79	74.68	74.60	74.47	74.37
11	74.34	/	74.59	74.82	74.97	74.99	74.87*	74.78	74.65	74.65*	74.44	74.42
12	74.34	/	74.60	74.82	74.99	74.98	74.87	74.75	74.63	/	74.44	74.41
13	74.31	/	74.58	74.80	75.01	74.98	74.87	74.77	74.65	/	74.43	74.37
14	74.43	/	74.64	74.86	74.99	74.96	74.86	74.81	74.71	/	74.43*	74.40
15	74.44	/	74.61	74.89	75.00	74.97	74.86	74.76	74.73	/	74.46*	74.42
16	74.40	74.41*	74.61	74.89	75.00	74.96	74.86	74.76	74.73	/	74.44	74.37
17	74.36	74.40	74.59	74.91	74.99	74.95	74.83	74.76	74.74	/	74.45	74.33
18	74.39	74.37	74.59	74.90	74.98	74.94	74.83	74.76	74.75	/	74.39	74.27
19	74.36	74.40	74.59	74.90	74.97	74.94	74.83	74.75	74.72	/	74.38	74.28
20	74.36	74.40	74.61	74.90	74.97	74.92	74.83	74.73	74.73	/	74.41	74.33
21	74.39	74.42	74.61	74.90	75.00	74.93	74.82	74.72	74.74	/	74.37	74.37
22	74.44	74.44	74.61	74.92	74.97	74.95	74.82	74.70	74.68	/	74.40	74.36
23	74.39	74.42	74.60	74.91	74.96	74.96	74.81	74.72	74.66	/	74.39	74.35
24	74.35	74.43	74.60	74.90	74.94	74.93	74.81	74.72	74.66	/	74.41	74.33
25	74.40	74.36	74.64	74.90	74.90	74.91	74.81	74.74	74.67	/	74.36	74.31
26	74.45	74.34	74.69	74.90	74.98	74.91	74.85	74.71	74.66	/	74.43	74.41*
27	74.45	74.43	74.67	74.95	74.98	74.92	74.83	74.71	74.65	/	74.46	/
28	74.48	74.44	74.64	74.94	74.98	74.90	74.83	74.71	74.65	/	74.48	74.47*
29	74.51		74.67	74.95	74.98	74.90	74.83	74.72	74.63	/	74.47	74.46
30	74.50		74.66	74.94	74.99	74.88	74.82	74.73	74.62	/	74.48	74.44
31	74.50		74.69		74.98		74.84*	74.71		/		74.42
MEAN	74.40	74.41	74.58	74.86	74.97	74.95	74.85	74.77	74.69	74.63	74.44	74.40
MAX.	74.67	74.51	74.75	75.35	75.07	75.06	74.95	74.92	74.80	74.76	74.75	74.69
	1400/14	0200/01	1700/31	0500/06	0300/13	0200/11	1600/02	1400/07	2000/18	1100/07	1100/28	0500/08
MIN.	74.26	74.21	74.38	74.62	74.84	74.87	74.78	74.68	74.59	74.56	74.30	74.14
	1800/13	0800/26	1800/01	2200/04	1500/25	1800/30	1800/30	0500/27	2100/10	1300/04	2000/25	1000/25

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

ANNUAL MEAN: 74.66

ANNUAL SUMMARY OF LEVELS, 1979

Station 2030: Oswego, New York on Lake Ontario

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	75.00	May	74.44	Dec
Daily mean elevation:	75.02	16 May	74.33	1 Jan
Instant/hourly elevation:	75.16	1500/6 Apr	74.23	0400/1 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
74.58	29 Jan
74.61	5 Feb
74.73	31 Mar
74.97	30 Apr
75.02	16 May
75.01	2 Jun
74.93	3 Jul
74.84	8 Aug
74.77	19 Sep
74.68	7 Oct
74.51	4 Nov
74.53	8 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
74.33	1 Jan
74.41	23 Feb
74.44	3 Mar
74.70	2 Apr
74.97	3 May
74.90	30 Jun
74.80	31 Jul
74.69	23 Aug
74.62	30 Sep
74.49	31 Oct
74.39	23 Nov
74.35	21 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
75.00					9	1							75.00	10
74.95				5	22	19							74.95	56
74.90				12		9	6						74.90	83
74.85				6		1	9						74.85	99
74.80				3			14	9					74.80	125
74.75				1			2	6	2				74.75	136
74.70			3	2				13	12				74.70	166
74.65			6	1				3	9	2			74.65	187
74.60		1	11						7	13			74.60	219
74.55	3	4	4							11			74.55	241
74.50	4	4	2							4	2	1	74.50	258
74.45	5	13	2							1	15	11	74.45	305
74.40	8	6	3								9	12	74.40	343
74.35	10										4	6	74.35	363
74.30	1											1	74.30	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 2030: Oswego, New York on Lake Ontario

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	74.33	74.58	74.45	74.72	74.98	75.00	74.91	74.82	74.70	74.62	74.49	74.43
2	74.38	74.58	74.47	74.70	74.98	75.01	74.92	74.82	74.71	74.61	74.51	74.47
3	74.42	74.54	74.44	74.77	74.97	75.00	74.93	74.83	74.72	74.61	74.50	74.46
4	74.40	74.56	74.45	74.75	75.02	74.99	74.92	74.82	74.71	74.60	74.51	74.47
5	74.38	74.61	74.50	74.81	75.01	75.00	74.92	74.83	74.69	74.63	74.47	74.41
6	74.37	74.52	74.53	74.96	74.99	74.99	74.91	74.82	74.72	74.65	74.47	74.44
7	74.38	74.49	74.54	74.90	74.99	74.97	74.90	74.80	74.72	74.68	74.49	74.43
8	74.40	74.56	74.56	74.83	75.00	74.97	74.89	74.84	74.69	74.66	74.47	74.53
9	74.41	74.54	74.56	74.86	75.00	74.98	74.87	74.79	74.67	74.65	74.45	74.47
10	74.42	74.51	74.58	74.89	75.00	74.97	74.87	74.81	74.68	74.62	74.48	74.42
11	74.39	74.50	74.65	74.87	75.00	75.00	74.87	74.80	74.66	74.61	74.47	74.42
12	74.38	74.49	74.66	74.86	75.00	75.00	74.87	74.76	74.65	74.60	74.47	74.45
13	74.37	74.50	74.57	74.84	75.02	74.98	74.86	74.75	74.64	74.65	74.46	74.43
14	74.47	74.48	74.65	74.87	75.01	74.97	74.86	74.80	74.73	74.64	74.47	74.45
15	74.47	74.47	74.69	74.92	75.02	74.97	74.85	74.82	74.76	74.62	74.44	74.40
16	74.44	74.47	74.64	74.93	75.02	74.97	74.86	74.79	74.74	74.59	74.47	74.42
17	74.41	74.47	74.63	74.94	75.01	74.96	74.84	74.75	74.73	74.59	74.46	74.47
18	74.47	74.44	74.64	74.94	75.00	74.97	74.83	74.74	74.74	74.59	74.42	74.41
19	74.43	74.45	74.64	74.94	74.99	74.97	74.83	74.75	74.77	74.55	74.41	74.37
20	74.40	74.44	74.64	74.94	74.99	74.94	74.82	74.73	74.73	74.57	74.41	74.37
21	74.46	74.44	74.65	74.93	75.00	74.93	74.82	74.72	74.72	74.57	74.41	74.35
22	74.51	74.46	74.64	74.94	75.00	74.94	74.81	74.71	74.72	74.56	74.39	74.36
23	74.44	74.41	74.62	74.94	74.99	74.96	74.81	74.69	74.68	74.57	74.39	74.38
24	74.42	74.47	74.62	74.94	74.99	74.94	74.81	74.70	74.66	74.61	74.40	74.37
25	74.50	74.46	74.66	74.93	75.00	74.93	74.80	74.72	74.65	74.61	74.40	74.44
26	74.52	74.45	74.72	74.92	75.00	74.92	74.84	74.70	74.66	74.60	74.41	74.47
27	74.51	74.48	74.72	74.97	75.00	74.91	74.84	74.72	74.65	74.55	74.44	74.48
28	74.54	74.47	74.67	74.97	75.01	74.92	74.83	74.71	74.63	74.55	74.47	74.50
29	74.58		74.68	74.97	75.00	74.91	74.83	74.72	74.63	74.56	74.48	74.50
30	74.57		74.69	74.97	75.01	74.90	74.81	74.73	74.62	74.52	74.45	74.49
31	74.56		74.73		75.00		74.80	74.72		74.49		74.46
MEAN	74.44	74.49	74.61	74.89	75.00	74.96	74.86	74.76	74.69	74.60	74.45	74.44
MAX.	74.61	74.65	74.79	75.16	75.07	75.03	74.96	74.91	74.83	74.78	74.58	74.66
	1300/29	0700/05	1200/31	1500/06	1800/04	1400/11	0200/05	1600/07	2200/14	0300/06	1000/02	0700/08
MIN.	74.23	74.36	74.37	74.65	74.94	74.88	74.76	74.54	74.60	74.46	74.29	74.28
	0400/01	0500/23	0600/03	1000/02	0300/03	0400/27	1700/28	1400/07	2300/30	2200/31	1900/24	0800/19

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 74.68

ANNUAL SUMMARY OF LEVELS, 1979
Station 2058: Rochester, New York on Lake Ontario

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST		
Monthly mean elevation:	75.02	May	74.44	Dec
Daily mean elevation:	75.03	25 May	74.34	1 Jan
Instant/hourly elevation:	75.11	0600/26 May	74.29	2300/1 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
74.56	31 Jan
74.58	1 Feb
74.73	31 Mar
74.99	30 Apr
75.03	25 May
75.02	12 Jun
74.94	5 Jul
74.84	5 Aug
74.77	19 Sep
74.67	8 Oct
74.51	2 Nov
74.48	31 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
74.34	1 Jan
74.45	21 Feb
74.48	3 Mar
74.74	2 Apr
74.99	2 May
74.93	27 Jun
74.81	31 Jul
74.71	23 Aug
74.65	30 Sep
74.52	31 Oct
74.42	23 Nov
74.39	23 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
75.00					28	11							75.00	39
74.95				7	3	12							74.95	61
74.90				9		7	8						74.90	85
74.85				7			11						74.85	103
74.80				2			12	11					74.80	128
74.75				3				5	2				74.75	138
74.70			3	2				15	16				74.70	174
74.65			7						9	2			74.65	192
74.60			11						3	14			74.60	220
74.55	2	2	4							11			74.55	239
74.50	5	11	2							4	2		74.50	263
74.45	6	14	4								13	9	74.45	309
74.40	8	1									15	18	74.40	351
74.35	9											4	74.35	364
74.30	1												74.30	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 2058: Rochester, New York on Lake Ontario

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	74.34	74.58	74.48	74.75	74.99	75.02	74.93	74.83	74.74	74.64	74.51	74.45
2	74.38	74.57	74.48	74.74	74.99	75.01	74.93	74.82	74.72	74.64	74.51	74.47
3	74.36	74.54	74.48	74.78	75.00	75.01	74.94	74.84	74.73	74.63	74.50	74.44
4	74.37	74.53	74.49	74.79	75.01	75.01	74.94	74.84	74.74	74.63	74.50	74.44
5	74.38	74.55	74.52	74.80	75.01	75.01	74.94	74.84	74.72	74.64	74.49	74.44
6	74.38	74.54	74.54	74.81	75.02	75.01	74.93	74.83	74.72	74.65	74.48	74.44
7	74.39	74.52	74.57	74.86	75.01	75.01	74.92	74.79	74.73	74.66	74.49	74.43
8	74.40	74.53	74.58	74.85	75.02	75.00	74.91	74.83	74.71	74.67	74.46	74.46
9	74.38	74.54	74.58	74.88	75.01	74.99	74.90	74.83	74.70	74.65	74.46	74.44
10	74.40	74.53	74.60	74.88	75.02	74.99	74.89	74.81	74.69	74.64	74.48	74.45
11	74.41	74.52	74.62	74.88	75.02	75.01	74.89	74.81	74.70	74.62	74.47	74.44
12	74.41	74.51	74.63	74.88	75.02	75.02	74.89	74.79	74.67	74.61	74.47	74.44
13	74.41	74.51	74.61	74.88	75.03	75.01	74.90	74.76	74.65	74.63	74.46	74.45
14	74.44	74.49	74.62	74.90	75.03	75.01	74.89	74.78	74.71	74.64	74.46	74.44
15	74.43	74.49	74.66	74.92	75.03	74.99	74.87	74.82	74.75	74.62	74.45	74.42
16	74.44	74.49	74.65	74.94	75.03	74.99	74.87	74.78	74.76	74.62	74.46	74.42
17	74.45	74.48	74.65	74.94	75.03	74.99	74.87	74.75	74.75	74.60	74.44	74.44
18	74.48	74.47	74.65	74.95	75.03	74.98	74.86	74.74	74.75	74.60	74.44	74.43
19	74.46	74.46	74.65	74.95	75.02	74.98	74.85	74.74	74.77	74.58	74.43	74.41
20	74.44	74.46	74.65	74.95	75.01	74.97	74.85	74.74	74.74	74.58	74.43	74.40
21	74.46	74.45	74.65	74.95	75.01	74.95	74.85	74.73	74.72	74.58	74.42	74.40
22	74.47	74.47	74.66	74.95	75.02	74.96	74.84	74.73	74.73	74.59	74.42	74.39
23	74.47	74.46	74.65	74.95	75.01	74.97	74.83	74.71	74.71	74.58	74.42	74.39
24	74.47	74.47	74.66	74.96	75.01	74.97	74.82	74.72	74.68	74.59	74.44	74.41
25	74.52	74.48	74.67	74.96	75.03	74.95	74.83	74.72	74.66	74.60	74.43	74.47
26	74.52	74.49	74.69	74.96	75.02	74.94	74.84	74.73	74.67	74.59	74.43	74.47
27	74.52	74.47	74.71	74.97	75.02	74.93	74.86	74.74	74.66	74.56	74.44	74.48
28	74.53	74.47	74.70	74.98	75.02	74.94	74.84	74.73	74.65	74.54	74.45	74.48
29	74.55		74.70	74.98	75.02	74.94	74.85	74.73	74.66	74.55	74.45	74.47
30	74.56		74.72	74.99	75.02	74.94	74.83	74.74	74.65	74.54	74.43	74.47
31	74.56		74.73		75.02		74.81	74.75		74.52		74.48
MEAN	74.44	74.50	74.62	74.90	75.02	74.98	74.88	74.77	74.71	74.61	74.46	74.44
MAX.	74.58	74.59	74.78	75.04	75.11	75.06	74.97	74.96	74.81	74.72	74.55	74.56
	2000/31	0300/02	0400/31	1200/28	0600/26	1300/05	2200/04	1800/07	0500/19	2100/05	0200/02	1300/25
MIN.	74.29	74.39	74.44	74.67	74.96	74.87	74.77	74.56	74.59	74.50	74.34	74.34
	2300/01	2100/22	1000/03	0600/06	1100/03	2000/27	0600/31	1300/07	1500/10	1000/31	1600/21	2300/23

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 74.69

ANNUAL SUMMARY OF LEVELS, 1979
Station 2076: Olcott, New York on Lake Ontario

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	75.02	May	74.44	Jan
Daily mean elevation:	75.04	19 May	74.33	3 Jan
Instant/hourly elevation:	75.11	0200/26 May	74.27	1200/1 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
74.54	31 Jan
74.55	7 Feb
74.73	31 Mar
74.99	30 Apr
75.04	19 May
75.03	1 Jun
74.94	3 Jul
74.84	3 Aug
74.75	17 Sep
74.66	6 Oct
74.54	1 Nov
74.48	31 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
74.33	3 Jan
74.47	27 Feb
74.49	2 Mar
74.73	6 Apr
74.98	1 May
74.94	27 Jun
74.83	31 Jul
74.72	26 Aug
74.65	30 Sep
74.54	31 Oct
74.43	20 Nov
74.41	17 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
75.00					27	12							75.00	39
74.95				9	4	12							74.95	64
74.90				9		6	8						74.90	87
74.85				5			13						74.85	105
74.80				2			10	6					74.80	123
74.75				4				9					74.75	136
74.70			4	1				16	18				74.70	175
74.65			6						11	1			74.65	193
74.60			9						1	15			74.60	218
74.55			6							11			74.55	235
74.50	8	13	5							4	4		74.50	269
74.45	6	15	1								14	13	74.45	318
74.40	5										12	18	74.40	353
74.35	9												74.35	362
74.30	3												74.30	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 2076: Olcott, New York on Lake Ontario

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	74.34	74.54	74.51	74.76	74.98	75.03	74.94	74.83	74.74	74.64	74.54	74.47
2	74.37	74.53	74.49	74.77	75.00	75.01	74.92	74.83	74.74	74.64	74.51	74.46
3	74.33	74.55	74.52	74.77	75.01	75.02	74.94	74.84	74.74	74.63	74.51	74.43
4	74.34	74.49	74.53	74.83	74.99	75.02	74.93	74.83	74.73	74.64	74.51	74.43
5	74.37	74.50	74.53	74.80	75.00	75.01	74.91	74.82	74.72	74.64	74.50	74.46
6	74.38	74.55	74.55	74.73	75.03	75.02	74.92	74.81	74.71	74.66	74.50	74.45
7	74.40	74.55	74.57	74.82	75.04	75.01	74.92	74.79	74.73	74.63	74.48	74.45
8	74.38	74.51	74.57	74.86	75.02	75.01	74.91	74.80	74.72	74.65	74.47	74.42
9	74.36	74.52	74.59	74.88	75.02	75.01	74.90	74.80	74.71	74.65	74.50	74.44
10	74.39	74.53	74.59	74.86	75.03	75.01	74.90	74.79	74.70	74.64	74.47	74.47
11	74.41	74.52	74.59	74.88	75.03	75.02	74.90	74.79	74.69	74.63	74.48	74.45
12	74.43	74.51	74.60	74.90	75.03	75.00	74.89	74.78	74.68	74.62	74.47	74.46
13	74.45	74.51	74.63	74.93	75.03	75.00	74.89	74.76	74.67	74.62	74.47	74.46
14	74.40	74.51	74.61	74.92	75.04	75.01	74.89	74.77	74.71	74.62	74.46	74.44
15	74.40	74.51	74.62	74.91	75.04	75.00	74.88	74.76	74.75	74.61	74.46	74.44
16	74.44	74.48	74.63	74.93	75.02	74.99	74.87	74.75	74.75	74.62	74.44	74.43
17	74.47	74.47	74.65	74.93	75.04	74.99	74.86	74.75	74.75	74.60	74.43	74.41
18	74.47	74.50	74.65	74.94	75.03	74.98	74.86	74.74	74.74	74.60	74.46	74.44
19	74.47	74.47	74.65	74.94	75.04	74.97	74.86	74.73	74.74	74.59	74.45	74.47
20	74.48	74.47	74.65	74.95	75.02	74.97	74.86	74.73	74.73	74.60	74.43	74.44
21	74.46	74.47	74.65	74.96	75.01	74.97	74.85	74.73	74.72	74.60	74.44	74.42
22	74.44	74.47	74.67	74.95	75.03	74.97	74.85	74.72	74.72	74.60	74.44	74.42
23	74.48	74.50	74.69	74.96	75.01	74.96	74.84	74.72	74.69	74.59	74.46	74.42
24	74.53	74.48	74.70	74.96	75.01	74.96	74.84	74.73	74.68	74.57	74.45	74.44
25	74.51	74.50	74.68	74.97	75.02	74.95	74.85*	74.73	74.67	74.58	74.46	74.47
26	74.51	74.50	74.67	74.98	75.03	74.94	74.86	74.72	74.67	74.56	74.44	74.47
27	74.52	74.47	74.69	74.97	75.03	74.94	74.85	74.73	74.68	74.57	74.45	74.47
28	74.52	74.48	74.71	74.99	75.03	74.95	74.84	74.74	74.67	74.54	74.44	74.46
29	74.51		74.72	74.99	75.03	74.95	74.83	74.74	74.66	74.54	74.44	74.45
30	74.53		74.73	74.99	75.03	74.95	74.83	74.75	74.65	74.54	74.44	74.47
31	74.54		74.73		75.03		74.83	74.75		74.54		74.48
MEAN	74.44	74.50	74.62	74.90	75.02	74.99	74.88	74.77	74.71	74.61	74.47	74.45
MAX.	74.59	74.58	74.76	75.03	75.11	75.06	74.97	74.95	74.79	74.73	74.58	74.52
	1300/24	1100/07	0600/31	1300/28	0200/26	0600/02	0800/01	1300/07	0200/15	1600/05	1300/01	0700/13
MIN.	74.27	74.42	74.46	74.61	74.95	74.88	74.80	74.67	74.62	74.50	74.35	74.34
	1200/01	1900/21	0800/02	1000/06	0800/13	1600/27	2400/30	0900/10	0500/30	1500/28	1200/28	0600/08

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 74.70

ANNUAL SUMMARY OF LEVELS, 1979

Station 3007: Ashland Avenue, Niagara Falls, New York on Niagara River

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	98.63	Jun	96.76	Feb
Daily mean elevation:	100.26	6 Apr	96.17	25 Feb
Instant/hourly elevation:	103.69	0800/6 Apr	96.05	0700/12 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
98.43	4 Jan
97.32	4 Feb
97.58	12 Mar
100.26	6 Apr
98.79	28 May
99.21	11 Jun
98.83	3 Jul
99.14	14 Aug
98.90	18 Sep
99.00	7 Oct
98.74	27 Nov
98.48	8 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
96.34	11 Jan
96.17	25 Feb
96.44	24 Mar
97.97	12 Apr
98.23	25 May
98.33	30 Jun
98.04	28 Jul
98.03	12 Aug
97.86	22 Sep
97.71	30 Oct
96.61	13 Nov
96.59	22 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
100.20				1									100.20	1
100.05													100.05	1
99.90													99.90	1
99.75													99.75	1
99.60													99.60	1
99.45													99.45	1
99.30													99.30	1
99.15						1							99.15	2
99.00								1					99.00	3
98.85				1		1			1	3			98.85	9
98.70				5	6	6	2	1	3		1		98.70	33
98.55				2	12	14	3	7	4	4	1		98.55	80
98.40	1			6	8	6	4	5	3	2		1	98.40	116
98.25				5	4	2	6	9	8	7		2	98.25	159
98.10	1			5	1		11	7	2	6	4	3	98.10	199
97.95				5			5	1	7	6		3	97.95	226
97.80	1								2	2		2	97.80	233
97.65										1	2	5	97.65	241
97.50	3		1								2	3	97.50	250
97.35	2		3								1	3	97.35	259
97.20	1	1									5		97.20	266
97.05	4	1	2								3	1	97.05	277
96.90	2	5	5								5	5	96.90	299
96.75	7	9	8								3	1	96.75	327
96.60	4	8	6								3	1	96.60	349
96.45	3		5									1	96.45	358
96.30	2	1	1										96.30	362
96.15		3											96.15	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 3007: Ashland Avenue, Niagara Falls, New York on Niagara River

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	97.32	97.01	96.71	98.25	98.78	98.62	98.50	98.32	98.31	98.29	97.17	97.78
2	97.58	96.98	96.75	98.08	98.36	98.61	98.76	98.44	98.32	98.30	97.69	96.93
3	98.25	96.83	96.76	98.48	98.58	98.58	98.83	98.56	98.58	98.57	96.80	97.68
4	98.43	97.32	96.80	98.15	98.60	98.72	98.61	98.19	98.45	98.33	96.75	98.35
5	97.17	96.90	96.94	98.84	98.40	98.68	98.67	98.37	98.14	98.21	96.73	98.05
6	96.59	96.77	97.17	100.26	98.27	98.58	98.67	98.65	98.39	98.59	97.00	97.86
7	96.46	96.77	96.77	98.47	98.58	98.60	98.25	98.58	98.33	99.00	97.24	97.89
8	96.79	96.78	96.77	98.18	98.41	98.64	98.25	98.66	97.99	98.31	97.79	98.48
9	97.93	96.89	96.78	98.00	98.44	98.62	98.36	98.17	98.07	98.26	96.91	97.97
10	96.78	96.92	96.90	98.20	98.64	98.75	98.40	98.67	98.61	98.23	97.25	97.68
11	96.34	96.83	97.15	98.00	98.44	99.21	98.38	98.25	97.98	98.43	96.80	97.80
12	96.39	96.72	97.58	97.97	98.60	98.88	98.24	98.03	98.02	98.65	96.93	97.51
13	96.49	96.71	96.97	98.06	98.65	98.83	98.06	98.62	98.04	98.67	96.61	96.90
14	97.15	96.71	97.41	98.36	98.66	98.73	98.04	99.14	98.73	98.24	97.18	97.41
15	97.40	96.67	96.98	98.81*	98.66	98.76	98.24	98.72	98.85	98.90	97.50	97.11
16	96.82	96.77	97.05	98.97*	98.68	98.61	98.54	98.33	98.63	98.32	96.90	97.56
17	96.99	97.16	96.62	98.78*	98.59	98.58	98.21	98.44	98.76	98.22	98.23	97.47
18	97.09	97.00	96.53	98.51*	98.54	98.81	98.28	98.32	98.90	97.99	97.13	97.51
19	96.83	96.99	96.60	98.30	98.51	98.63	98.22	98.21	98.63	98.02	97.23	96.98
20	96.63	96.71	96.54	98.19	98.57	98.44	98.17	98.50	98.40	98.15	97.55	96.73
21	97.53	96.76	96.73	98.28	98.68	98.67	98.05	98.21	98.34	98.04	97.01	96.96
22	97.47	96.74	96.51	98.44	98.46	98.67	98.08	98.22	97.86	98.04	97.30	96.59
23	96.91	96.18	96.47	98.38	98.43	98.51	98.28	98.28	98.10	98.54	97.22	96.95
24	96.90	96.29	96.44	98.58	98.29	98.55	98.13	98.36	98.19	98.97	97.52	97.05
25	97.58	96.17	97.03	98.29	98.23	98.60	98.14	98.32	98.44	98.23	96.98	97.40
26	97.11	96.35	97.40	98.51	98.72	98.51	98.41	98.17	98.46	97.91	98.21	98.04
27	96.73	96.62	97.36	98.71	98.77	98.40	98.11	98.36	98.38	97.81	98.74	98.13
28	96.72	96.72	96.68	98.54	98.79	98.43	98.04	98.33	98.27	98.34	98.18	98.25
29	96.87		96.77	98.56	98.74	98.49	98.12	98.49	98.03	98.01	98.23	98.32
30	96.84		96.72	98.72	98.74	98.33	98.31	98.63	97.95	97.71	98.59	98.11
31	96.75		96.90		98.52		98.46	98.47		98.04		97.68
MEAN	97.06	96.76	96.86	98.46	98.56	98.63	98.32	98.42	98.34	98.30	97.38	97.58
MAX.	99.04	98.08	97.97	103.69	100.06	100.12	100.01	100.18	100.15	100.20	101.07	99.92
	0600/04	1600/04	1200/14	0800/06	2100/03	2100/12	1900/02	1100/10	1900/14	1400/23	2200/26	0400/08
MIN.	96.05	96.06	96.09	96.06	96.35	96.27	96.09	96.09	96.08	96.10	96.09	96.07
	0700/12	0100/23	0800/24	0700/09	0100/25	0300/27	2400/10	0200/23	2400/10	0600/30	0100/13	0600/20

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 97.89

ANNUAL SUMMARY OF LEVELS, 1979

Station 3009: American Falls, Niagara Falls, New York on Niagara River

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	170.34	Nov	170.10	Feb
Daily mean elevation:	170.55	27 Nov	169.87	9 Apr
Instant/hourly elevation:	170.77	0400/8 Dec	169.64	2100/5 Apr

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
170.55	4 Jan
170.27	24 Feb
170.40	16 Mar
170.29	27 Apr
170.28	29 May
170.38	11 Jun
170.37	2 Jul
170.35	14 Aug
170.37	14 Sep
170.40	24 Oct
170.55	27 Nov
170.46	8 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
170.00	11 Jan
170.00	13 Feb
170.04	25 Mar
169.87	9 Apr
170.19	22 May
170.22	21 Jun
170.22	9 Jul
170.22	16 Aug
170.18	11 Sep
170.22	30 Oct
170.24	10 Nov
170.23	12 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
170.50	1										2		170.50	3
170.45	1											1	170.45	5
170.40											4	4	170.40	13
170.35	1		2			1	1		1	4	1	3	170.35	27
170.30	2		1				5	5	5	9	13	7	170.30	74
170.25	4	1	15	5	9	20	22	18	17	16	9	15	170.25	225
170.20	5	1	11	3	19	9	3	8	6	2	1	1	170.20	294
170.15	9	5		7	3				1				170.15	319
170.10	5	5	1	9									170.10	339
170.05	1	9		1									170.05	350
170.00	1	5	1										170.00	357
169.95	1	2		1									169.95	361
169.90				2									169.90	363
169.85				2									169.85	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 3009: American Falls, Niagara Falls, New York on Niagara River

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	170.28	170.11	170.22	170.23	170.25	170.26	170.30	170.28	170.26	170.27	170.26	170.35
2	170.25	170.09	170.24	170.20	170.24	170.30	170.37	170.33	170.29	170.31	170.30	170.29
3	170.47	170.11	170.24	170.13	170.24	170.26	170.33	170.30	170.30	170.29	170.30	170.37
4	170.55	170.23	170.26	170.24	170.24	170.27	170.27	170.32	170.23	170.30	170.32	170.44
5	170.27	170.06	170.27	169.91	170.26	170.27	170.28	170.29	170.24	170.31	170.30	170.33
6	170.16	170.06	170.28	170.16	170.25	170.22	170.30	170.23	170.26	170.40	170.30	170.27
7	170.11	170.04	170.26	169.92	170.24	170.24	170.31	170.26	170.22	170.35	170.31	170.28
8	170.11	170.04	170.24	169.88	170.20	170.28	170.29	170.24	170.24	170.30	170.36	170.46
9	170.40	170.03	170.25	169.87	170.25	170.26	170.22	170.23	170.28	170.28	170.26	170.35
10	170.13	170.08	170.26	169.99	170.21	170.30	170.24	170.32	170.30	170.26	170.24	170.28
11	170.00	170.01	170.29	170.14	170.19	170.38	170.25	170.26	170.18	170.23	170.30	170.26
12	170.07	170.00	170.33	170.13	170.24	170.28	170.27	170.24	170.25	170.32	170.28	170.23
13	170.02	170.00	170.26	170.17	170.27	170.29	170.27	170.29	170.24	170.37	170.31	170.29
14	170.14	170.04	170.29	170.26	170.27	170.26	170.29	170.35	170.37	170.31	170.32	170.31
15	170.30	170.08	170.39	170.18	170.26	170.29	170.28	170.24	170.32	170.35	170.34	170.31
16	170.18	170.15	170.40	170.17	170.26	170.28	170.28	170.22	170.33	170.29	170.32	170.27
17	170.16	170.07	170.29	170.11	170.23	170.24	170.26	170.27	170.30	170.29	170.44	170.32
18	170.20	170.10	170.26	170.10	170.22	170.23	170.27	170.30	170.32	170.31	170.31	170.28
19	170.16	170.12	170.25	170.11	170.24	170.24	170.26	170.26	170.28	170.30	170.33	170.29
20	170.22	170.08	170.27	170.14	170.24	170.23	170.29	170.27	170.27	170.32	170.33	170.31
21	170.34	170.10	170.28	170.13	170.26	170.22	170.29	170.24	170.28	170.28	170.32	170.30
22	170.32	170.18	170.26	170.13	170.19	170.25	170.28	170.26	170.27	170.29	170.34	170.28
23	170.22	170.16	170.25	170.27	170.23	170.26	170.26	170.26	170.31	170.34	170.32	170.30
24	170.19	170.27	170.22	170.26	170.22	170.24	170.30	170.27	170.33	170.40	170.31	170.30
25	170.29	170.20	170.04	170.24	170.21	170.29	170.30	170.30	170.27	170.27	170.28	170.29
26	170.25	170.15	170.26	170.18	170.28	170.28	170.31	170.27	170.29	170.26	170.41	170.39
27	170.19	170.19	170.15	170.29	170.25	170.29	170.26	170.25	170.26	170.28	170.55	170.41
28	170.20	170.18	170.21	170.26	170.22	170.29	170.35	170.28	170.26	170.36	170.41	170.41
29	170.25		170.26	170.20	170.28	170.27	170.31	170.28	170.27	170.28	170.41	170.44
30	170.17		170.22	170.15	170.27	170.27	170.29	170.32	170.28	170.22	170.54	170.36
31	170.12		170.23		170.21		170.29	170.30		170.30		170.29
MEAN	170.22	170.10	170.26	170.14	170.24	170.27	170.29	170.28	170.28	170.30	170.34	170.32
MAX.	170.64	170.42	170.47	170.58	170.47	170.57	170.58	170.52	170.57	170.60	170.72	170.77
	1400/04	1500/04	2200/15	0500/06	0700/05	0500/11	0600/02	0700/14	0700/24	0600/06	1300/30	0400/08
MIN.	169.96	169.93	169.90	169.64	169.93	169.93	170.01	169.97	169.93	170.00	170.13	170.17
	1300/11	2400/12	1000/25	2100/05	2100/11	2100/06	2000/10	2100/15	2100/04	1800/26	2300/09	1700/11

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 170.25

ANNUAL SUMMARY OF LEVELS, 1979

Station 3012: Niagara Intake, Niagara Falls, New York on Niagara River

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	171.14	Jul	170.92	Feb
Daily mean elevation:	171.46	9 Jan	170.77	12 Feb
Instant/hourly elevation:	171.91	0800/6 Apr	170.32	2048/7 Apr

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
171.46	9 Jan
171.17	4 Feb
171.10	12 Mar
171.32	6 Apr
171.12	29 May
171.25	11 Jun
171.22	2 Jul
171.26	14 Aug
171.21	14 Sep
171.26	24 Oct
171.43	27 Nov
171.31	8 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
170.82	19 Jan
170.77	12 Feb
170.97	24 Mar
170.84	8 Apr
171.02	22 May
171.06	21 Jun
171.09	9 Jul
171.08	27 Aug
171.00	11 Sep
171.00	30 Oct
171.00	10 Nov
171.03	12 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
171.45	1												171.45	1
171.40											2		171.40	3
171.35	1												171.35	4
171.30	2			1								1	171.30	8
171.25	2			3				1		1	2	3	171.25	20
171.20				5		1	1	1	1	3	2	2	171.20	36
171.15		1		4			7	6	6	4	1	3	171.15	68
171.10	3			6	6	10	22	15	10	13	4	4	171.10	161
171.05	4		6	4	17	19	1	8	12	9	13	15	171.05	269
171.00	5	5	16	3	8						4	3	171.00	313
170.95	7	3	9	1					1	1	2		170.95	337
170.90	4	7											170.90	348
170.85	1	5		2									170.85	356
170.80	1	3		1									170.80	361
170.75		4											170.75	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 3012: Niagara Intake, Niagara Falls, New York on Niagara River

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	171.06	171.02	170.97	171.05	171.10	171.10	171.12	171.15	171.10	171.09	171.03	171.15
2	171.04	171.00	171.00	171.06	171.06	171.14	171.22	171.20	171.14	171.13	171.09	171.05
3	171.35	171.00	171.00	171.16	171.08	171.10	171.18	171.18	171.16	171.13	171.06	171.19
4	171.29	171.17	171.02	171.11	171.08	171.11	171.12	171.17	171.08	171.12	171.07	171.29
5	171.08	171.05	171.03	171.26	171.08	171.12	171.14	171.15	171.07	171.13	171.06	171.15
6	170.97	170.96	171.05	171.32	171.07	171.06	171.16	171.10	171.11	171.24	171.06	171.08
7	170.94	170.92	171.02	170.86	171.08	171.08	171.15	171.13	171.07	171.20	171.08	171.08
8	170.95	170.95	171.00	170.84	171.03	171.11	171.14	171.12	171.06	171.12	171.16	171.31
9	171.46	170.89	171.00	170.86	171.07	171.09	171.09	171.08	171.11	171.11	171.00	171.18
10	170.99	170.89	171.04	171.05	171.04	171.15	171.12	171.21	171.16	171.08	171.00	171.07
11	170.92	170.83	171.08	171.22	171.02	171.25	171.12	171.11	171.00	171.06	171.05	171.07
12	170.97	170.77	171.10	171.19	171.08	171.12	171.13	171.08	171.08	171.16	171.04	171.03
13	170.93	170.80	171.03	171.12	171.11	171.13	171.11	171.16	171.06	171.21	171.07	171.07
14	171.08	170.79	171.09	171.22	171.11	171.09	171.14	171.26	171.21*	171.13	171.10	171.11
15	171.07	170.79	171.08	171.26	171.10	171.13	171.14	171.12	171.18	171.21	171.13	171.10
16	170.89	170.89	171.09	171.16	171.11	171.11	171.15	171.10	171.18	171.11	171.10	171.08
17	171.00	170.85	171.03	171.14	171.07	171.08	171.12	171.13	171.15	171.11	171.27	171.13
18	171.01	170.83	171.01	171.13	171.05	171.08	171.12	171.16	171.19	171.11	171.08	171.08
19	170.82	170.93	171.00	171.13	171.07	171.08	171.11	171.10	171.13	171.11	171.11	171.08
20	171.05	170.87	171.04	171.18	171.08	171.07	171.14	171.15	171.11	171.13	171.11	171.08
21	171.38	171.03	171.05	171.24	171.10	171.06	171.14	171.09	171.12	171.09	171.09	171.08
22	171.32	171.01	171.01	171.26	171.02	171.08	171.13	171.11	171.08	171.10	171.12	171.05
23	171.13	170.93	171.01	171.22	171.06	171.08	171.11	171.11	171.13	171.18	171.10	171.09
24	171.11	171.01	170.97	171.11	171.04	171.07	171.15	171.11	171.17	171.26	171.10	171.08
25	171.27	170.92	171.03	171.06	171.03	171.11	171.15	171.15	171.11	171.09	171.04	171.08
26	171.15	170.89	171.09	171.08	171.12	171.09	171.17	171.10	171.12	171.07	171.27	171.22
27	171.00	170.94	171.04	171.24	171.09	171.10	171.11	171.08	171.09	171.07	171.43	171.25
28	171.01	170.91	171.00	171.08	171.06	171.09	171.19	171.11	171.08	171.19	171.25	171.26
29	171.04		171.02	171.03	171.12	171.08	171.17	171.12	171.08	171.10	171.24	171.29
30	171.00		170.99	170.99	171.11	171.07	171.16	171.17	171.10	171.00	171.41	171.19
31	170.98		171.01		171.03		171.16	171.15		171.12		171.09
MEAN	171.07	170.92	171.03	171.12	171.07	171.10	171.14	171.13	171.11	171.13	171.12	171.13
MAX.	171.63	171.36	171.19	171.91	171.39	171.46	171.45	171.55	171.44	171.51	171.65	171.76
	0056/05	1357/04	1054/14	0800/06	0705/29	0413/11	0650/02	0655/14	0707/24	0650/24	1322/30	0330/08
MIN.	170.72	170.69	170.84	170.32	170.76	170.77	170.83	170.84	170.77	170.81	170.88	170.94
	2056/19	2200/14	0320/27	2048/07	2105/08	2052/06	2110/10	2100/15	2100/13	1854/21	2218/09	1705/11

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 171.09

ANNUAL SUMMARY OF LEVELS, 1979

Station 3117: Ontario St., Buffalo, New York on Niagara River

INTERNATIONAL GREAT LAKES DATUM (1955)

HIGHEST			LOWEST		
Monthly mean elevation:	172.39	Aug	Monthly mean elevation:	172.00	Feb
Daily mean elevation:	173.20	6 Apr	Daily mean elevation:	171.83	25 Feb
Instant/hourly elevation:	173.80	0745/6 Apr	Instant/hourly elevation:	171.71	2014/25 Feb

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
172.72	9 Jan
172.13	6 Feb
172.30	14 Mar
173.20	6 Apr
172.39	1 May
172.52	11 Jun
172.44	2 Jul
172.56	14 Aug
172.47	18 Sep
172.53	13 Oct
172.61	30 Nov
172.52	8 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
172.06	31 Jan
171.83	25 Feb
172.02	3 Mar
172.12	1 Apr
172.20	25 May
172.30	20 Jun
172.32	23 Jul
172.32	22 Aug
172.20	11 Sep
172.10	30 Oct
172.15	25 Nov
172.16	20 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
173.15				1									173.15	1
173.10													173.10	1
173.05													173.05	1
173.00													173.00	1
172.95													172.95	1
172.90													172.90	1
172.85													172.85	1
172.80													172.80	1
172.75													172.75	1
172.70	1												172.70	2
172.65	1												172.65	3
172.60											1		172.60	4
172.55				1				1					172.55	6
172.50	1					1		1		3	1	1	172.50	14
172.45	1							1	1	3	3	3	172.45	26
172.40				4		3	4	9	4	1	1	3	172.40	55
172.35	2			8	5	12	11	10	7	4	1	4	172.35	119
172.30	2			6	13	13	16	9	7	9	2	4	172.30	200
172.25	3		3	4	10	1			9	6	7	5	172.25	248
172.20	1		1	2	2				1	4	9	5	172.20	273
172.15	3		4	2	1				1		3	6	172.15	293
172.10	3	4	8	2							2		172.10	312
172.05	3	1	9							1			172.05	326
172.00		4	4										172.00	334
171.95		9											171.95	343
171.90		2											171.90	345
171.85		2											171.85	347
171.80		1											171.80	348

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 3117: Ontario St., Buffalo, New York on Niagara River

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	/	172.12*	172.02	172.12	172.39	172.37	172.38	172.36	172.34	172.29	172.27	172.32
2	172.31*	172.11	172.04	172.18	172.29	172.41	172.44	172.48	172.39	172.30	172.32	172.24
3	172.51	172.09*	172.02	172.25	172.35	172.38	172.41	172.42	172.40	172.38	172.27	172.42
4	172.66	/	172.05	172.14	172.33	172.37	172.35	172.43	172.31	172.34	172.24	172.46
5	172.40	/	172.12	172.43	172.31	172.38	172.35	172.43	172.30	172.39	172.21	172.36
6	172.27	172.13*	172.13	173.20	172.28	172.32	172.38	172.37	172.38	172.49	172.24	172.32
7	172.26	172.03*	172.09	172.57	172.27	172.35	172.35	172.42	172.35	172.51	172.29	172.38
8	172.35	/	172.08	172.29	172.28	172.37	172.34	172.40	172.29	172.34	172.38	172.52
9	172.72	172.00*	172.10	172.31	172.29	172.36	172.32	172.37	172.32	172.33	172.18	172.43
10	172.48	/	172.19	172.41	172.29	172.43	172.35	172.52	172.40	172.31	172.27	172.24
11	172.17	/	/	172.27	172.28	172.52	172.36	172.34	172.20	172.31	172.25	172.27
12	172.12	171.87*	/	172.20	172.33	172.41	172.36	172.32	172.28	172.44	172.18	172.23
13	172.06	171.94*	172.14*	172.25	172.35	172.38	172.35	172.43	172.30	172.53	172.21	172.19
14	172.24	171.92	172.30	172.39	172.34	172.36	172.36	172.56	172.45	172.39	172.26	172.31
15	172.37	172.01	172.19	172.41	172.35	172.38	172.37	172.42	172.44	172.46	172.33	172.24
16	172.14	172.12	172.21	172.39	172.36	172.36	172.37	172.36	172.43	172.29	172.27	172.29
17	172.17*	171.99	172.11	172.38	172.31	172.34	172.34	172.38	172.41	172.31	172.44	172.33
18	172.19*	171.89	172.09	172.34	172.30	172.35	172.35	172.41	172.47	172.25	172.23	172.28*
19	/	171.98	172.06	172.37	172.30	172.32	172.35	172.36	172.37	172.29	172.20	172.18
20	/	171.97	172.09	172.36	172.32	172.30	172.35	172.34	172.36	172.32	172.25	172.16*
21	/	172.04	172.12	172.38	172.35	172.34	172.35*	172.32	172.36	172.31	172.15	172.20
22	/	172.00	172.10	172.40	172.24	172.37	172.33	172.32	172.24	172.28	172.23	172.20
23	172.06*	171.96*	172.08	172.37	172.26	172.38	172.32	172.35	172.26	172.49	172.22	172.22
24	/	172.00	172.07	172.32	172.21	172.33	172.36	172.37	172.32	172.52	172.26	172.20
25	172.26*	171.83	172.17	172.30	172.20	172.31	172.36	172.42	172.34	172.32	172.15	172.26
26	172.13*	171.97*	172.29	172.30	172.36	172.32	172.42	172.33	172.33	172.28	172.50	172.39
27	/	172.04*	172.26	172.45	172.34	172.34	172.33	172.33	172.30	172.23	172.51	172.41
28	/	171.98*	172.14	172.33	172.33	172.32	172.42	172.35	172.30	172.38	172.46	172.49
29	/		172.14	172.32	172.37	172.31	172.37	172.39	172.29	172.24	172.46	172.49
30	/		172.13	172.31	172.38	172.32	172.35	172.43	172.30	172.10	172.61	172.40
31	172.06*		172.17		172.33		172.39	172.36		172.22		172.30
MEAN	172.28	172.00	172.13	172.36	172.31	172.36	172.36	172.39	172.34	172.34	172.29	172.31
MAX.	172.82	172.34	172.45	173.80	172.48	172.74	172.62	172.84	172.63	172.76	172.97	173.07
	2225/09	0948/05	1040/14	0745/06	0738/30	2343/10	1256/28	1145/02	1750/14	1340/23	2100/26	0240/08
MIN.	172.01	171.71	171.94	171.93	172.08	172.17	172.20	172.22	172.09	171.93	172.04	172.09
	1800/13	2014/25	0057/01	0130/02	2215/24	2212/19	2155/23	2158/21	1955/22	2035/30	0933/21	0828/13

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 172.29

ANNUAL SUMMARY OF LEVELS, 1979

Station 3020: Buffalo Harbor, Buffalo, New York on Lake Erie

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST		
Monthly mean elevation:	174.39	Jul	173.82	Feb	
Daily mean elevation:	175.16	6 Apr	173.52	25 Feb	
Instant/hourly elevation:	176.54	0345/6 Apr	173.31	0500/26 Feb	

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
174.50	4 Jan
174.06	4 Feb
174.25	14 Mar
175.16	6 Apr
174.42	1 May
174.49	11 Jun
174.49	2 Jul
174.53	14 Aug
174.46	18 Sep
174.53	23 Oct
174.62	30 Nov
174.47	28 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
173.75	24 Jan
173.52	25 Feb
173.84	3 Mar
173.98	1 Apr
174.18	25 May
174.32	20 Jun
174.35	30 Jul
174.25	21 Aug
174.16	22 Sep
173.98	30 Oct
174.03	21 Nov
174.06	20 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
175.10				1									175.10	1
175.00													175.00	1
174.90													174.90	1
174.80													174.80	1
174.70													174.70	1
174.60											1		174.60	2
174.50								3		3	1		174.50	9
174.40	2			1	2	6	6	5	1	4	2	7	174.40	45
174.30				17	21	24	25	16	14	5	3	5	174.30	175
174.20	1		2	2	6			7	12	14	8	6	174.20	233
174.10	2		4	3	2				3	4	11	8	174.10	270
174.00	5	1	7	5							4	5	174.00	297
173.90	9	2	13	1						1			173.90	323
173.80	9	12	5										173.80	349
173.70	3	11											173.70	363
173.60		1											173.60	364
173.50		1											173.50	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 3020: Buffalo Harbor, Buffalo, New York on Lake Erie

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	173.99	173.95	173.86	173.98	174.42	174.38	174.46	174.36	174.32	174.24	174.26	174.27
2	174.11	173.88	173.86	174.15	174.27	174.42	174.49	174.52	174.37	174.24	174.27	174.20
3	174.48	173.84	173.84	174.12	174.37	174.39	174.46	174.41	174.38	174.40	174.24	174.44
4	174.50	174.06	173.88	174.03	174.35	174.39	174.39	174.42	174.28	174.30	174.15	174.41
5	174.01	173.91	173.94	174.35	174.32	174.39	174.38	174.44	174.28	174.39	174.12	174.36
6	173.98	173.83	173.96	175.16	174.29	174.34	174.42	174.35	174.39	174.49	174.19	174.30
7	173.87	173.84	173.90	174.24	174.28	174.37	174.37	174.44	174.34	174.53	174.23	174.46
8	174.03	173.88	173.91	174.02	174.31	174.38	174.35	174.37	174.28	174.31	174.35	174.42
9	174.28	173.85	173.95	174.07	174.32	174.37	174.37	174.35	174.29	174.29	174.10	174.46
10	174.05	173.86	174.14	174.21	174.32	174.49	174.39	174.53	174.38	174.28	174.24	174.17
11	173.86	173.80	174.12	174.05	174.31	174.49	174.40	174.27	174.16	174.28	174.18	174.24
12	173.82	173.79	174.07	174.03	174.35	174.43	174.39	174.26	174.24	174.48	174.07	174.18
13	173.78	173.81	174.00	174.16	174.35	174.40	174.36	174.42	174.28	174.53	174.13	174.10
14	174.09	173.78	174.25	174.36	174.34	174.37	174.39	174.53	174.36	174.38	174.19	174.25
15	174.14	173.68	174.06	174.32	174.35	174.40	174.40	174.38	174.39	174.46	174.30	174.17
16	173.89	173.80	174.05	174.37	174.38	174.39	174.38	174.32	174.38	174.22	174.26	174.26
17	173.95	173.79	174.00	174.35	174.31	174.38	174.36	174.32	174.39	174.25	174.38	174.32
18	173.92	173.73	173.98	174.34	174.31	174.38	174.38	174.37	174.46	174.14	174.16	174.20
19	173.77	173.81	173.92	174.35	174.30	174.33	174.38	174.31	174.33	174.23	174.11	174.06
20	173.82	173.79	173.97	174.31	174.33	174.32	174.37	174.26	174.34	174.25	174.18	174.06
21	173.85	173.89	173.99	174.31	174.35	174.39	174.38	174.25	174.33	174.25	174.03	174.10
22	173.97	173.77	173.97	174.34	174.26	174.43	174.35	174.26	174.16	174.21	174.15	174.13
23	173.82	173.78	173.98	174.32	174.28	174.44	174.35	174.31	174.17	174.53	174.15	174.14
24	173.75*	173.79	174.01	174.31	174.19	174.38	174.40	174.35	174.25	174.49	174.22	174.10
25	174.04	173.52	174.13	174.31	174.18	174.33	174.39	174.39	174.32	174.29	174.06	174.15
26	173.92	173.71	174.22	174.32	174.41	174.35	174.46	174.29	174.29	174.22	174.57	174.31
27	173.87	173.89	174.08	174.43	174.39	174.39	174.35	174.29	174.26	174.16	174.39	174.32
28	173.91	173.83	174.00	174.34	174.39	174.35	174.44	174.31	174.27	174.35	174.47	174.47
29	173.96		174.06	174.34	174.39	174.35	174.37	174.36	174.26	174.17	174.46	174.46
30	173.92		174.06	174.37	174.38	174.37	174.35	174.39	174.26	173.98	174.62	174.36
31	173.89		174.11		174.35		174.40	174.31		174.11		174.27
MEAN	173.98	173.82	174.01	174.28	174.33	174.39	174.39	174.36	174.31	174.30	174.24	174.26
MAX.	174.72	174.36	174.51	176.54	174.64	175.10	174.85	175.09	174.65	175.03	175.26	175.44
	1000/04	1300/04	1000/14	0345/06	0300/01	2300/10	1300/28	1100/02	1200/10	1000/23	0800/28	2300/07
MIN.	173.68	173.31	173.75	173.67	173.92	174.16	174.27	174.16	174.07	173.79	173.84	173.93
	1600/13	0500/26	0100/01	1400/04	0900/25	0700/06	1100/29	0600/21	2300/10	1900/30	0800/21	0700/13

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 174.22

ANNUAL SUMMARY OF LEVELS, 1979
Station 3028: Sturgeon Point, New York on Lake Erie

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	174.38	Jul	173.80	Feb
Daily mean elevation:	175.03	6 Apr	173.53	25 Feb
Instant/hourly elevation:	176.19	0400/6 Apr	173.32	0500/26 Feb

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
174.44	4 Jan
173.93	1 Feb
174.25	14 Mar
175.03	6 Apr
174.40	26 May
174.42	23 Jun
174.48	2 Jul
174.50	10 Aug
174.43	18 Sep
174.50	13 Oct
174.55	30 Nov
174.44	28 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
173.78	19 Jan
173.53	25 Feb
173.84	3 Mar
174.00	1 Apr
174.21	25 May
174.32	29 Jun
174.34	30 Jul
174.24	21 Aug
174.17	23 Sep
173.99	30 Oct
174.03	21 Nov
174.06	20 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
175.00				1									175.00	1
174.90													174.90	1
174.80													174.80	1
174.70													174.70	1
174.60													174.60	1
174.50											1		174.50	2
174.40	1					3	5	6	1	7	3	4	174.40	32
174.30	1			18	23	14	26	15	13	4	1	7	174.30	154
174.20	1		2	2	8			10	13	14	10	7	174.20	221
174.10	3		4	3					3	5	11	9	174.10	259
174.00	3		8	5							4	4	174.00	283
173.90	10	1	11	1						1			173.90	307
173.80	10	10	6										173.80	333
173.70	2	11											173.70	346
173.60		1											173.60	347
173.50		1											173.50	348

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 3028: Sturgeon Point, New York on Lake Erie

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	173.96	173.93*	173.86	174.00	174.40	174.38	174.45	174.34	174.31	174.24	174.24	174.25
2	174.11	/	173.86	174.15	174.27	174.42	174.48	174.47	174.36	174.24	174.25	174.20
3	174.38	/	173.84	174.12	174.35	174.38*	174.44	174.39	174.36	174.37	174.22	174.39
4	174.44	/	173.87	174.04	174.34	/	174.39	174.41	174.28	174.28	174.15	174.37
5	173.99	/	173.94	174.32	174.32	/	174.38	174.41	174.27	174.39	174.11	174.32
6	173.99	173.82*	173.95	175.03	174.29	/	174.40	174.35	174.37	174.44	174.17	174.28
7	173.89	173.84	173.90	174.23	174.28	/	174.36	174.42	174.34	174.49	174.22	174.41
8	174.04	173.87	173.90	174.02	174.31	/	174.35	174.36	174.28	174.30	174.30	174.41
9	174.26	173.84	173.95	174.10	174.32	/	174.35	174.34	174.28	174.28	174.10	174.40
10	174.06	173.85	174.13	174.22	174.31	/	174.37	174.50	174.36	174.27	174.23	174.16
11	173.87	173.80	174.11	174.07	174.31	/	174.39	174.28	174.17	174.28	174.18	174.21
12	173.83	173.79	174.06	174.06	174.34	/	174.38	174.26	174.23	174.45	174.07	174.18
13	173.80	173.81	174.00	174.17	174.35	/	174.35	174.39	174.27	174.50	174.13	174.11
14	174.11	173.78	174.25	174.35	174.33	/	174.37	174.49	174.36	174.37	174.18	174.25
15	174.14	173.69	174.05	174.32	174.35	/	174.39	174.37	174.39	174.42	174.27	174.16
16	173.90	173.80	174.06*	174.37	174.36	/	174.38	174.31	174.36	174.22	174.23	174.25
17	173.97	173.79	174.00	174.35	174.31	174.37*	174.35	174.31	174.37	174.25	174.30	174.30
18	173.92	173.73	173.96	174.35	174.31	174.38	174.36	174.35	174.43	174.14	174.16	174.19
19	173.78	173.81	173.93	174.34	174.30	174.33	174.35	174.30	174.33	174.21	174.12	174.07
20	173.83	173.79	173.99*	174.32	174.32	174.32	174.35*	174.25	174.33	174.24	174.16	174.06
21	173.87	173.89	173.99	174.31	174.34	174.38	174.36	174.24	174.32	174.24	174.03	174.10
22	173.97	173.77	173.97	174.34	174.27	174.41	174.34	174.25	174.17	174.20	174.14	174.13
23	173.82	173.77	173.97	174.32	174.28	174.42	174.34	174.29	174.17	174.49	174.14	174.14
24	173.82	173.79	174.01	174.31	174.23	174.37	174.38	174.33	174.25	174.46	174.21	174.10
25	174.04	173.53	174.13	174.31	174.21	174.33	174.37	174.38	174.30	174.29	174.06	174.19
26	173.92	173.71	174.22	174.32	174.40	174.34	174.43	174.28	174.28	174.23	174.49	174.31
27	173.87	173.88	174.09	174.40	174.39	174.37	174.35	174.28	174.25	174.17	174.33	174.32
28	173.91	173.83	174.01	174.34	174.39	174.34	174.41	174.30	174.26	174.33	174.42	174.44
29	173.96		174.07	174.33	174.39	174.32	174.36	174.35	174.25	174.17	174.44	174.42
30	173.92		174.07	174.38	174.38	174.37	174.34	174.37	174.26	173.99	174.55	174.35
31	173.89		174.12		174.35		174.38	174.31		174.11		174.27
MEAN	173.98	173.80	174.01	174.28	174.33	174.37	174.38	174.34	174.30	174.29	174.22	174.25
MAX.	174.74	174.16	174.46	176.19	174.60	174.64	174.74	175.00	174.64	174.89	174.99	175.22
	2300/02	2000/21	1000/14	0400/06	0200/01	0300/21	1300/28	1100/02	1700/14	1000/23	0800/30	2400/07
MIN.	173.69	173.32	173.75	173.74	173.98	174.21	174.26	174.16	174.07	173.83	173.86	173.96
	1900/19	0500/26	2300/02	1400/04	1000/25	0800/21	2200/28	1800/20	1100/11	2000/30	0600/21	0700/13

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 174.21

ANNUAL SUMMARY OF LEVELS, 1979
Station 3032: Barcelona, New York on Lake Erie

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	174.36	Jul	173.91	Feb
Daily mean elevation:	174.45	10 Aug	173.80	24 Jan
Instant/hourly elevation:	174.73	1100/2 Aug	173.77	2100/19 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
174.21	4 Jan
173.97	5 Feb
	Mar
	Apr
	May
	Jun
174.40	26 Jul
174.45	10 Aug
174.41	18 Sep
174.44	13 Oct
174.38	30 Nov
174.28	9 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
173.80	24 Jan
173.85	3 Feb
	Mar
	Apr
	May
	Jun
174.33	30 Jul
174.25	21 Aug
174.19	11 Sep
174.02	30 Oct
174.02	21 Nov
174.07	13 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
174.40								3	1	2			174.40	6
174.35							8	7	3	2	1		174.35	27
174.30							7	10	9	6	3		174.30	62
174.25								10	12	7		4	174.25	95
174.20	1							1	2	7	3	5	174.20	114
174.15	1								3	3	10	6	174.15	137
174.10										1	9	2	174.10	149
174.05	1									1	2	2	174.05	155
174.00	1									1	1		174.00	158
173.95	4	1											173.95	163
173.90	6	2											173.90	171
173.85	10	1											173.85	182
173.80	6	1											173.80	189
173.75	1												173.75	190

INTERNATIONAL
GREAT LAKES
DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 3032: Barcelona, New York on Lake Erie

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	173.90	173.91	/	/	/	/	/	174.34	174.30	174.25	174.16	174.21
2	173.99	173.89	/	/	/	/	/	174.43	174.34	174.25	174.19	174.21
3	174.17	173.85	/	/	/	/	/	174.39	174.35	174.32	174.20	174.27
4	174.21	173.92	/	/	/	/	/	174.39	174.29	174.28	174.11	174.27
5	173.96*	173.97*	/	/	/	/	/	174.39	174.28	174.34	174.12	174.24
6	173.96	/	/	/	/	/	/	174.36	174.35	174.37	174.14	174.16
7	173.90	/	/	/	/	/	/	174.39	174.35	174.41	174.20	174.22
8	173.95	/	/	/	/	/	/	174.35	174.29	174.29	174.21	174.27
9	174.07	/	/	/	/	/	/	174.34	174.29	174.27	174.10	174.28
10	173.98	/	/	/	/	/	/	174.45	174.33	174.26	174.19	174.11
11	173.88	/	/	/	/	/	/	174.29	174.19	174.28	174.16	174.17
12	173.85	/	/	/	/	/	/	174.26	174.23	174.35	/	174.17
13	173.81	/	/	/	/	/	/	174.34	174.26	174.44	174.13*	174.07
14	173.92	/	/	/	/	/	/	174.44	174.34	174.33	174.18	174.17
15	174.02	/	/	/	/	/	/	174.36	174.37	174.35	174.22	174.13
16	173.89	/	/	/	/	/	/	174.30	174.37	174.23	174.16	174.18
17	173.86	/	/	/	/	/	174.37*	174.31	174.36	/	174.20	174.21
18	173.89	/	/	/	/	/	174.36	174.34	174.41	174.15*	174.12	174.18
19	173.81	/	/	/	/	/	174.36	174.30	174.34	174.19	174.11	174.09
20	173.82	/	/	/	/	/	174.35	174.26	174.33	174.22	174.14	/
21	173.81	/	/	/	/	/	174.35	174.25	174.33	174.23	174.02	/
22	173.90	/	/	/	/	/	174.33	174.26	174.20	174.21	174.12	/
23	173.83	/	/	/	/	/	174.33	174.29	174.20	174.34	174.13	/
24	173.80	/	/	/	/	/	174.37	174.32	174.24	174.36	174.18	/
25	173.93	/	/	/	/	/	174.36	174.34	174.28*	174.27	174.07	/
26	173.93	/	/	/	/	/	174.40	174.29	174.29*	174.22	174.35	/
27	173.89	/	/	/	/	/	174.34	174.29	174.26	174.16	174.25	/
28	173.88	/	/	/	/	/	174.38	174.30	174.26	174.27	174.32	/
29	173.92		/	/	/	/	174.35	174.33	174.26	174.16	174.35	/
30	173.92		/	/	/	/	174.33	174.36	174.27	174.02	174.38	/
31	173.89		/		/		174.36	174.31		174.07		/
MEAN	173.92	173.91	/	/	/	/	174.36	174.33	174.30	174.26	174.18	174.19
MAX.	174.28	173.97					174.56	174.73	174.49	174.56	174.62	174.48
	0900/04	0200/05					1500/28	1100/02	2000/14	0400/13	1700/26	0400/08
MIN.	173.77	173.85					174.26	174.20	174.14	173.90	173.92	174.01
	2100/19	0400/04					0100/30	1000/21	1100/11	2000/30	0900/21	2200/19

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

ANNUAL MEAN: 174.18

ANNUAL SUMMARY OF LEVELS, 1979
Station 3038: Erie, Pennsylvania on Lake Erie

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	174.39	Jul	173.83	Feb
Daily mean elevation:	174.96	6 Apr	173.65	25 Feb
Instant/hourly elevation:	175.53	0535/6 Apr	173.53	2128/25 Feb

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
174.21	4 Jan
174.02	4 Feb
174.19	14 Mar
174.96	6 Apr
174.42	26 May
174.47	11 Jun
174.46	2 Jul
174.46	14 Aug
174.38	18 Sep
174.44	7 Oct
174.52	26 Nov
174.36	28 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
173.81	19 Jan
173.65	25 Feb
173.85	4 Mar
174.06	1 Apr
174.29	2 May
174.35	26 Jun
174.34	23 Jul
174.28	21 Aug
174.23	11 Sep
174.07	30 Oct
174.12	21 Nov
174.09	20 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
174.95				1									174.95	1
174.90													174.90	1
174.85													174.85	1
174.80													174.80	1
174.75													174.75	1
174.70													174.70	1
174.65													174.65	1
174.60													174.60	1
174.55													174.55	1
174.50											1		174.50	2
174.45						2	1	2					174.45	7
174.40					2	6	8	4		2			174.40	29
174.35				3	9	20	20	10	7	6	2	1	174.35	107
174.30				14	17	2	2	10	12	3	2	6	174.30	175
174.25					3			5	7	8	1	6	174.25	205
174.20	1			2					2	7	6	5	174.20	228
174.15			2	3						3	5	3	174.15	244
174.10	1		2	4						1	7	8	174.10	267
174.05	2		6	3						1		1	174.05	280
174.00	2	1	6										174.00	289
173.95	4		8										173.95	301
173.90	6	1	3										173.90	311
173.85	9	6	2										173.85	328
173.80	5	13	2										173.80	348
173.75		5											173.75	353
173.70		1											173.70	354
173.65													173.65	354
173.60		1											173.60	355

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 3038: Erie, Pennsylvania on Lake Erie

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	173.95	173.92	173.88	174.06	174.37	174.40	174.44	174.38	174.34	174.29	174.20	174.21
2	174.07	173.86	173.86	174.14	174.29	174.41	174.46	174.45	174.37	174.29	174.23	/
3	174.15	173.85	173.85	174.12	174.34	174.39	174.41	174.40	174.36	174.36	174.23	174.32*
4	174.21*	174.02	173.85	174.07	174.33	174.40	174.39	174.41	174.32	174.30	174.16	174.28
5	/	173.88	173.93	174.22	174.31	174.41	174.40	174.41	174.32	174.39	174.13	174.22
6	173.96*	173.84	173.96	174.96*	174.32	174.37	174.40	174.39	174.38	174.37	174.17	174.24
7	173.91	173.86	173.93	174.17*	174.31	174.40	174.37	174.42	174.36	174.44	174.22	174.29
8	174.00	173.86	173.95	174.07	174.32	174.40	174.36	174.38	174.34	174.30	174.21	174.35
9	174.06	173.85	173.97	174.19	174.33	174.41	174.37	174.37	174.33	174.31	174.12	174.28
10	173.96	173.85	174.10	174.23	174.34	174.47	174.40	174.46	174.35	174.27	174.21	174.15
11	173.89	173.81	174.10	174.14	174.34	174.47	174.41	174.35	174.23	174.26	174.19	174.16
12	173.86	173.81	174.04	174.13	174.35	174.42	174.41	174.33	174.27	174.38	174.13*	174.17
13	173.85	173.82	174.00	174.20	174.36	174.39	174.40	174.40	174.27	174.43	174.15*	174.15
14	174.02	173.81	174.19	174.32	174.36	174.39	174.41	174.46	174.38	174.34	/	174.21
15	173.99	173.73	174.06	174.31	174.35	174.39	174.42	174.38	174.38	174.34	/	174.14
16	173.88	173.82	174.05	174.35	174.37	174.39	174.42	174.31	174.34*	174.23	174.31*	174.21
17	173.94	173.81	174.02	174.35	174.35	174.39	174.39	174.30	/	174.25*	174.22*	174.28
18	173.90	173.77	174.00	174.35	174.35	174.40	174.39	174.32	174.38*	174.20	/	174.18
19	173.81	173.82	173.97	174.35	174.33	174.36	174.37	174.30	174.34	174.24	/	174.11
20	173.85	173.80	174.00	174.34	174.35	174.35	174.37	174.28	174.33	174.24	/	174.09
21	173.88	173.88	174.02	174.35	174.36	174.37	174.36	174.28	174.32	174.25	174.12*	174.11
22	173.93	173.78	174.00	174.35	174.32	174.41	174.35	174.29	174.25*	174.22	174.14	174.14
23	173.84	173.79	174.00	174.35	174.31	174.42	174.34	174.31	/	174.39	174.15	174.15
24	173.85	173.81	174.04	174.34	174.30	174.38	174.37	174.34	174.31*	174.37	174.20	174.14
25	174.02	173.65	174.11	174.34	174.30	174.36	174.36	174.37	174.31	174.28	/	174.26
26	173.90	173.78	174.16	174.34	174.42	174.35	174.41	174.32	174.30	174.24	174.52*	174.32
27	173.87	173.87	174.09	174.38	174.40	174.36	174.36	174.33	174.28	174.17	174.26	174.32
28	173.90	173.84	174.03	174.36	174.40	174.36	174.39	174.34	174.29	174.27	174.37	174.36
29	173.93		174.07	174.35	174.41	174.36	174.37	174.36	174.29	174.19	174.35	174.34
30	173.91		174.08	174.38	174.40	174.39	174.37	174.37	174.30	174.07	174.39	174.32
31	173.89		174.12		174.39		174.39	174.34		174.14		174.28
MEAN	173.94	173.83	174.01	174.29	174.35	174.39	174.39	174.36	174.32	174.28	174.22	174.23
MAX.	174.47	174.19	174.34	175.53	174.52	174.79	174.56	174.71	174.60	174.69	174.68	174.90
	2145/02	1035/04	2012/14	0535/06	0150/01	2350/10	1415/28	0935/02	1655/14	1100/23	1622/26	0030/08
MIN.	173.73	173.53	173.78	173.85	174.17	174.20	174.27	174.19	174.17	173.96	173.98	174.00
	2000/19	2128/25	0258/04	1155/04	0745/25	0525/21	2030/28	1830/20	2105/10	2000/30	0715/02	2152/05

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 174.22

ANNUAL SUMMARY OF LEVELS, 1979
Station 3053: Fairport Harbor, Ohio on Lake Erie

INTERNATIONAL
GREAT LAKES
DATUM (1955)

	HIGHEST		LOWEST		
Monthly mean elevation:	174.41	Jul	173.87	Feb
Daily mean elevation:	174.47	25 May	173.82	21 Feb
Instant/hourly elevation:	174.65	0955/14 Sep	173.75	1915/21 Feb

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
173.97	2 Jan
173.92	26 Feb
174.12	31 Mar
174.39	30 Apr
174.47	25 May
174.44	1 Jun
174.44	4 Jul
174.42	8 Aug
174.42	14 Sep
174.33	7 Oct
174.21	29 Nov
174.33	25 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
173.83	9 Jan
173.82	21 Feb
173.89	1 Mar
174.14	2 Apr
174.35	23 May
174.38	27 Jun
174.38	31 Jul
174.32	18 Aug
174.31	30 Sep
174.17	31 Oct
174.10	17 Nov
174.13	21 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
174.45					1								174.45	1
174.40					6	19	16	7	1				174.40	50
174.35				12	21	11	15	12	12				174.35	133
174.30				4	3			12	17	2		2	174.30	173
174.25				4						11		5	174.25	193
174.20				3						13	2	2	174.20	213
174.15				3						5	16	14	174.15	251
174.10			1	4							11	8	174.10	275
174.05			7								1		174.05	283
174.00			13										174.00	296
173.95	1		5										173.95	302
173.90	16	2	3										173.90	323
173.85	13	20	2										173.85	358
173.80	1	6											173.80	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 3053: Fairport Harbor, Ohio on Lake Erie

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	173.94	173.88	173.89	174.14	174.35	174.44	174.43	174.39	174.36	174.29	174.16	174.21
2	173.97	173.89	173.90	174.14	174.36	174.43	174.42	174.41	174.36	174.28	174.16	174.24
3	173.90	173.89	173.91	174.15	174.36	174.43	174.42	174.41	174.37	174.27	174.17	174.16
4	173.87	173.88	173.91	174.17	174.37	174.42	174.44	174.41	174.38	174.28	174.17	174.16
5	173.92	173.89	173.95	174.16	174.36	174.42	174.43	174.42	174.37	174.31	174.15	174.13
6	173.92	173.88	173.96	174.15	174.37	174.43	174.41	174.42	174.36	174.24	174.17	174.17
7	173.93	173.89	173.99	174.18	174.38	174.42	174.41	174.39	174.39	174.33	174.17	174.15
8	173.91	173.87	174.00	174.21	174.36	174.42	174.40	174.42	174.37	174.27	174.11	174.20
9	173.83	173.88	174.00	174.29	174.37	174.42	174.40	174.40	174.34	174.30	174.16	174.14
10	173.89	173.87	174.02	174.24	174.37	174.43	174.42	174.39	174.31	174.28	174.17	174.16
11	173.91	173.87	174.02	174.25	174.37	174.43	174.41	174.41	174.34	174.25	174.19	174.14
12	173.91	173.87	174.00*	174.28	174.38	174.42	174.42	174.40	174.32	174.28	174.17	174.18
13	173.92	173.86	174.01	174.29	174.36	174.42	174.42	174.36	174.31	174.30	174.19	174.19
14	173.92	173.86	174.04	174.30	174.39	174.41	174.42	174.38	174.42	174.27	174.18	174.18
15	173.87	173.89	174.04	174.33	174.39	174.40	174.41	174.37	174.39	174.22	174.14	174.15
16	173.91	173.86	174.02	174.33	174.38	174.40	174.42	174.34	174.36	174.25	174.15	174.18
17	173.91	173.85	174.04	174.35	174.37	174.40	174.43	174.32	174.35	174.24	174.10	174.19
18	173.90	173.86	174.04	174.36	174.37	174.41	174.42	174.32	174.35	174.26	174.15	174.14
19	173.91	173.84	174.05	174.36	174.36	174.39	174.40	174.35	174.36	174.24	174.14	174.16
20	173.91	173.84	174.04	174.37	174.36	174.39	174.39	174.34	174.33	174.23	174.14	174.16
21	173.92	173.82	174.05	174.37	174.36	174.39	174.39	174.34	174.34	174.23	174.15	174.13
22	173.88	173.84	174.05	174.37	174.35	174.42	174.39	174.34	174.38	174.24	174.14	174.15
23	173.88	173.85	174.03	174.37	174.35	174.42	174.39	174.33	174.34	174.21	174.17	174.17
24	173.91	173.86	174.06	174.37	174.39	174.41	174.39	174.35	174.32	174.24	174.18	174.19
25	173.92	173.91	174.07	174.37	174.47	174.40	174.38	174.34	174.31	174.24	174.19	174.33
26	173.90	173.92	174.08	174.37	174.42	174.39	174.39	174.35	174.31	174.22	174.14	174.30
27	173.90	173.88	174.07	174.35	174.42	174.38	174.38	174.36	174.31	174.17	174.15	174.30
28	173.90	173.89	174.07	174.38	174.44	174.39	174.40	174.36	174.31	174.19	174.21	174.28
29	173.89		174.08	174.37	174.44	174.39	174.40	174.35	174.31	174.19	174.21	174.29
30	173.89		174.10	174.39	174.43	174.42	174.39	174.36	174.31	174.20	174.19	174.29
31	173.90		174.12		174.44		174.38	174.36		174.17		174.31
MEAN	173.90	173.87	174.02	174.29	174.38	174.41	174.41	174.37	174.35	174.25	174.16	174.20
MAX.	174.07	174.07	174.30	174.64	174.56	174.59	174.52	174.56	174.65	174.55	174.45	174.47
	1720/02	0440/26	1844/14	0050/06	2320/25	2137/20	1007/28	1515/05	0955/14	1730/10	0543/28	1610/25
MIN.	173.77	173.75	173.84	173.78	174.25	174.24	174.26	174.25	174.20	174.03	173.99	173.98
	0313/09	1915/21	2344/01	0515/06	1100/13	0230/21	1340/28	2210/28	1407/10	1012/23	2002/26	0204/08

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 174.22

ANNUAL SUMMARY OF LEVELS, 1979
Station 3063: Cleveland, Ohio on Lake Erie

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	174.41	Jun	173.87	Feb
Daily mean elevation:	174.54	25 May	173.75	9 Jan
Instant/hourly elevation:	174.77	0100/6 Apr	173.65	0300/4 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
173.93	7 Jan
174.02	25 Feb
174.10	31 Mar
174.39	28 Apr
174.54	25 May
174.43	6 Jun
174.42	18 Jul
174.43	11 Aug
174.42	14 Sep
174.33	7 Oct
174.22	25 Nov
174.34	25 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
173.75	9 Jan
173.78	21 Feb
173.88	1 Mar
174.06	6 Apr
174.35	10 May
174.36	27 Jun
174.35	25 Jul
174.31	18 Aug
174.29	10 Sep
174.12	23 Oct
174.04	26 Nov
174.07	9 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
174.50					1								174.50	1
174.45													174.45	1
174.40					7	19	12	4	1				174.40	44
174.35				11	18	11	17	11	11				174.35	123
174.30				7	5		2	16	14	7		2	174.30	176
174.25				3					4	5		4	174.25	192
174.20				3						13	1	3	174.20	212
174.15				1						5	13	10	174.15	241
174.10				4						1	11	7	174.10	264
174.05			11	1							3	5	174.05	284
174.00		1	8								2		174.00	295
173.95			6										173.95	301
173.90	9	2	4										173.90	316
173.85	15	17	2										173.85	350
173.80	3	6											173.80	359
173.75	3	2											173.75	364
173.70	1												173.70	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 3063: Cleveland, Ohio on Lake Erie

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	173.93	173.85	173.88	174.15	174.35	174.43	174.41	174.40	174.35	174.31	174.13	174.19
2	173.92	173.87	173.89	174.14	174.38	174.41	174.42	174.39	174.35	174.32	174.15	174.24
3	173.77	173.89	173.91	174.15	174.35	174.42	174.41	174.40	174.35	174.29	174.15	174.10
4	173.76	173.80	173.92	174.21	174.36	174.41	174.42	174.40	174.39	174.33	174.17	174.12
5	173.91	173.86	173.94	174.14	174.36	174.42	174.42	174.40	174.39	174.31	174.15	174.07
6	173.88	173.87	173.95	174.06	174.36	174.43	174.39	174.42	174.36	174.22	174.16	174.14
7	173.93	173.88	174.00	174.18	174.37	174.42	174.41	174.37	174.40	174.33	174.16	174.07
8	173.86	173.86	174.01	174.23	174.35	174.42	174.40	174.41	174.38	174.28	174.05	174.19
9	173.75	173.86	174.01	174.31	174.35	174.42	174.39	174.39	174.35	174.32	174.16	174.07
10	173.85	173.85	173.98	174.23	174.35	174.42	174.40	174.36	174.29	174.32	174.17	174.13
11	173.90	173.87	174.00	174.28	174.36	174.42	174.40	174.43	174.36	174.25	174.18	174.10
12	173.91	173.88	173.99	174.32	174.36	174.42	174.41	174.41	174.32	174.26	174.19	174.17
13	173.92	173.86	173.98	174.30	174.36	174.41	174.42	174.33	174.30	174.28	174.19	174.20
14	173.88	173.86	174.02	174.28	174.36	174.40	174.41	174.36	174.42	174.25	174.17	174.17
15	173.80	173.92	174.06	174.33	174.37	174.39	174.40	174.37	174.39	174.18	174.08	174.12
16	173.89	173.86	174.00	174.32	174.36	174.39	174.42	174.34	174.37	174.25	174.14	174.18
17	173.88	173.86	174.03	174.34	174.37	174.40	174.42	174.31	174.35	174.24	174.07	174.17
18	173.90	173.87	174.04	174.35	174.36	174.41	174.42	174.31	174.34	174.28	174.12	174.11
19	173.92	173.83	174.06	174.35	174.37	174.40	174.40	174.34	174.38	174.23	174.13	174.16
20	173.90	173.83	174.06	174.36	174.36	174.39	174.39	174.35	174.32	174.22	174.13	174.17
21	173.92	173.78	174.04	174.37	174.36	174.41	174.39	174.35	174.34	174.22	174.17	174.13
22	173.84	173.85	174.06	174.36	174.36	174.41	174.39	174.34	174.40	174.23	174.14	174.14
23	173.87	173.84	174.03	174.37	174.36	174.41	174.38	174.33	174.36	174.12	174.17	174.16
24	173.91	173.89	174.06	174.37	174.42	174.40	174.35	174.34	174.32	174.22	174.18	174.21
25	173.90	174.02	174.03	174.37	174.54	174.41	174.35	174.32	174.30	174.24	174.22	174.34
26	173.88	173.94	174.06	174.36	174.44	174.38	174.38	174.35	174.31	174.22	174.04	174.28
27	173.89	173.87	174.06	174.36	174.42	174.36	174.39	174.35	174.31	174.16	174.11	174.29
28	173.89	173.89	174.06	174.39	174.43	174.39	174.39	174.35	174.31	174.17	174.17	174.25
29	173.85		174.07	174.37	174.42	174.39	174.39	174.34	174.32	174.19	174.15	174.27
30	173.86		174.09	174.37	174.42	174.41	174.38	174.35	174.30	174.23	174.10	174.28
31	173.88		174.10		174.45		174.37	174.37		174.18		174.31
MEAN	173.88	173.87	174.01	174.29	174.38	174.41	174.40	174.36	174.35	174.25	174.14	174.18
MAX.	174.05	174.10	174.31	174.77	174.64	174.60	174.49	174.65	174.64	174.47	174.37	174.52
	1400/01	2100/25	2000/04	0100/06	2200/25	2100/20	2400/04	1500/05	1000/14	1900/10	2300/06	1700/25
MIN.	173.65	173.67	173.81	173.67	174.28	174.25	174.27	174.22	174.17	173.89	173.83	173.90
	0300/04	2000/21	0100/02	0500/06	2400/14	2300/20	1400/28	0300/18	1100/10	1200/23	1600/26	2000/09

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 174.21

ANNUAL SUMMARY OF LEVELS, 1979
Station 3079: Marblehead, Ohio on Lake Erie

INTERNATIONAL
GREAT LAKES
DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	174.41	Jun	173.82	Jan
Daily mean elevation:	174.65	25 May	173.00	6 Apr
Instant/hourly elevation:	174.82	0707/25 May	172.60	0736/6 Apr

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
173.96	19 Jan
174.08	25 Feb
174.11	19 Mar
174.28	4 Apr
174.65	25 May
174.48	6 Jun
174.47	4 Jul
174.49	11 Aug
174.49	22 Sep
174.34	30 Oct
174.27	25 Nov
174.32	31 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
173.52	4 Jan
173.64	4 Feb
173.81	14 Mar
173.00	6 Apr
174.34	1 May
174.33	10 Jun
174.33	24 Jul
174.24	14 Aug
174.25	10 Sep
173.92	23 Oct
173.87	26 Nov
173.95	7 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
174.60					1							
174.50												
174.40					9	18	14	6	4			
174.30					21	12	17	19	20	5		2
174.20				2				6	6	13	3	8
174.10			1	1						8	13	9
174.00		1	15	2						4	7	9
173.90	6	2	11							1	5	3
173.80	13	23	4								2	
173.70	8	1										
173.60	2	1										
173.50	2											
173.40												
173.30												
173.20												
173.10												
173.00												
172.90				1								

Elev. (m.)	No. of days above elev.
174.60	1
174.50	1
174.40	52
174.30	148
174.20	186
174.10	218
174.00	256
173.90	284
173.80	326
173.70	335
173.60	338
173.50	340
173.40	340
173.30	340
173.20	340
173.10	340
173.00	340
172.90	341

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 3079: Marblehead, Ohio on Lake Erie

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	173.90	173.82	173.89	174.21	174.34	174.44	174.36	174.42	174.37	174.33	174.08	174.17
2	173.75	173.88	173.91	174.10	174.42	174.42	174.39	174.36	174.32	174.34	174.10	174.21
3	173.54	173.89	173.94	174.14	174.35	174.43	174.40	174.40	174.36	174.25	174.10	174.02
4	173.52	173.64	173.95	174.28	174.38	174.41	174.47	174.39	174.42	174.33	174.17	174.03
5	173.86	173.81	173.93	174.03	174.40	174.42	174.43	174.38	174.42	174.23	174.17	174.00
6	173.84	173.88	173.94	173.00*	174.37	174.48	174.39	174.43	174.34	174.16	174.11	174.10
7	173.91	173.85	174.01	/	174.39	174.42	174.42	174.35	174.39	174.19	174.10	173.95
8	173.78	173.83	174.03	/	174.37	174.42	174.43	174.42	174.40	174.28	173.97	174.01
9	173.62	173.85*	174.01	/	174.36	174.44*	174.42	174.42	174.35	174.29	174.19	173.98
10	173.78	173.82	173.85	/	174.37	174.33	174.41*	174.29	174.25	174.27	174.13	174.13
11	173.89	173.89	173.89	/	174.37	174.38	174.41	174.49	174.40	174.24	174.16	174.09
12	173.91	173.89	173.97	/	174.37	174.41	174.43	174.45	174.34	174.12	174.23	174.17
13	173.94	173.86	173.98	/	174.39	174.42	174.44	174.28	174.29	174.08	174.17	174.21
14	173.73	173.88	173.81	/	174.36	174.41	174.42	174.24	174.39	174.19	174.12	174.10
15	173.68	173.95	173.97	/	174.37	174.39	174.40	174.35	174.37	174.10	174.00	174.13
16	173.87	173.84	173.96	/	174.38	174.40	174.43	174.35	174.36	174.24	174.09	174.08
17	173.79	173.87	174.03	/	174.39	174.40	174.45	174.29	174.34	174.23	173.99	174.02
18	173.86	173.89	174.06	/	174.38	174.41	174.42	174.27	174.28	174.31	174.09	174.08
19	173.96	173.83	174.11	/	174.39	174.42	174.41	174.34	174.39	174.23	174.13	174.15
20	173.92	173.85	174.08	/	174.38	174.39	174.40	174.38	174.32	174.22	174.12	174.23
21	173.90	173.74	174.05	/	174.39	174.38	174.39	174.39	174.35	174.21	174.22	174.16
22	173.75	173.87	174.08	/	174.42	174.39	174.40	174.36	174.49	174.25	174.13	174.16
23	173.89	173.86	174.07	/	174.40	174.41	174.39	174.34	174.42	173.92	174.16	174.17
24	173.92	173.90	174.04	/	174.50	174.43	174.33	174.32	174.34	174.05	174.14	174.24*
25	173.73	174.08	173.96	/	174.65	174.43	174.34	174.29	174.30	174.18	174.27	174.32*
26	173.86	173.94	173.96	/	174.42	174.39	174.35	174.37	174.30	174.19	173.87	174.24
27	173.90	173.86	174.05	/	174.41	174.35	174.39	174.37	174.32	174.17	174.07	174.28
28	173.86	173.90	174.09	/	174.42	174.40	174.34	174.35	174.31	174.10	174.00	174.20
29	173.80		174.07	/	174.42	174.41	174.40	174.32	174.32	174.19	173.96	174.22
30	173.82		174.10	/	174.45	174.37	174.39	174.33	174.30	174.34	173.90	174.27
31	173.87		174.10		174.48		174.35	174.39		174.21		174.32
MEAN	173.82	173.86	174.00	173.96	174.40	174.41	174.40	174.36	174.35	174.21	174.10	174.14
MAX.	174.12	174.18	174.23	174.54	174.82	174.57	174.58	174.58	174.63	174.47	174.42	174.46
	1235/01	1400/25	1008/19	1500/04	0707/25	2330/22	0700/04	0815/11	0845/14	1900/30	2052/25	1555/25
MIN.	173.32	173.46	173.60	172.60	174.25	174.03	174.22	174.05	174.09	173.59	173.44	173.54
	2345/02	1300/04	1000/14	0736/06	1850/03	2145/11	1140/28	0840/10	1325/10	1400/23	1650/26	0125/08

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 174.17

ANNUAL SUMMARY OF LEVELS, 1979
Station 3085: Toledo, Ohio on Lake Erie

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	174.42	May	173.83	Jan
Daily mean elevation:	174.59	25 May	172.82	6 Apr
Instant/hourly elevation:	174.96	1400/4 Apr	171.46	0845/6 Apr

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
174.00	19 Jan
174.15	25 Feb
174.20	19 Mar
174.53	11 Apr
174.59	25 May
174.53	19 Jun
174.52	4 Jul
174.54	11 Aug
174.57	22 Sep
174.47	30 Oct
174.35	25 Nov
174.33	31 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
173.43	3 Jan
173.68	4 Feb
173.59	14 Mar
172.82	6 Apr
174.34	3 May
174,21	10 Jun
174.26	1 Jul
174.10	14 Aug
174.20	18 Sep
173.73	23 Oct
173.72	30 Nov
173.83	8 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
174.50				2	3	2	1	1	1				174.50	10
174.40				2	10	19	21	9	5	1			174.40	77
174.30				8	18	7	4	13	20	5	1	1	174.30	154
174.20				4		2	5	7	3	13	3	7	174.20	198
174.10		1	7	3					1	5	9	11	174.10	235
174.00			10	1				1		4	10	4	174.00	265
173.90	9	7	8								3	4	173.90	296
173.80	13	18	5	1						2	1	4	173.80	340
173.70	4	1								1	3		173.70	349
173.60	3	1											173.60	353
173.50			1										173.50	354
173.40	2												173.40	356
173.30													173.30	356
173.20													173.20	356
173.10													173.10	356
173.00													173.00	356
172.90													172.90	356
172.80				1									172.80	357

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 3085: Toledo, Ohio on Lake Erie

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	173.89	173.82	173.90	174.32	174.36	174.45	174.26	174.46	174.39	174.37	174.06	174.14
2	173.64	173.89	173.93	174.05	174.51	174.42	174.34	174.32	174.32	174.37	174.04	174.16
3	173.43	173.91	173.96	174.16	174.34	174.43	174.41	174.37	174.39	174.21	174.03	173.95
4	173.46	173.68	173.98	174.40	174.39	174.41	174.52	174.36	174.48	174.33	174.18	173.96
5	173.89	173.82	173.99	173.90	174.46	174.43	174.45	174.35	174.45	174.17	174.20	173.92
6	173.88	173.91	174.01	172.82	174.38	174.53	174.42	174.44	174.30	174.12	174.08	174.07
7	173.94	173.87	174.07	174.17	174.40	174.43	174.45	174.30	174.35	174.02	174.06	173.84
8	173.82	173.83	174.07	174.49	174.38	174.43	174.48	174.43	174.42	174.32	173.91	173.83
9	173.68	173.87	174.04	174.30	174.37	174.44	174.46	174.45	174.38	174.25	174.24	173.89
10	173.82	173.83	173.82	174.24	174.39	174.21	174.43	174.23	174.24	174.25	174.10	174.13
11	173.92	173.90	173.86	174.53	174.36	174.32	174.41	174.54	174.47	174.25	174.14	174.07
12	173.94	173.91	173.98	174.52	174.35	174.42	174.45	174.47	174.38	174.02	174.28	174.15
13	173.96	173.87	173.99	174.35	174.38	174.46	174.47	174.25	174.32	173.87	174.17	174.21
14	173.73	173.89	173.59	174.22	174.35*	174.42	174.42	174.10	174.32	174.15	174.09	174.02
15	173.69	173.95	173.94	174.31	174.36	174.37	174.42	174.34	174.36	174.08	173.92	174.14
16	173.90	173.85	173.95	174.26*	174.39	174.40	174.47	174.37	174.38	174.25	174.10	173.96
17	173.82	173.88	174.06	/	174.44	174.38	174.50	174.29	174.34	174.25	173.94	173.87
18	173.87	173.91	174.10	/	174.41	174.44	174.43	174.25	174.20	174.35	174.09	174.06
19	174.00	173.83	174.20	/	174.40	174.53	174.43	174.37	174.39	174.26	174.16	174.16
20	173.92	173.86	174.12	/	174.39	174.46	174.42	174.45	174.32	174.22	174.13	174.30
21	173.90	173.77	174.08	/	174.40	174.36	174.42	174.45	174.36	174.21	174.30	174.20
22	173.76	173.89	174.12	/	174.49	174.35	174.42	174.39	174.57	174.27	174.16	174.17
23	173.92	173.89	174.13	/	174.48	174.41	174.39	174.36	174.50	173.73	174.17	174.17
24	173.94	173.88*	174.01	/	174.50	174.46	174.27	174.30	174.36	173.87	174.14	174.28
25	173.71	174.15*	173.82	174.39*	174.59	174.47	174.30	174.29	174.30	174.13	174.35	174.29
26	173.86	173.97	173.87	174.37	174.35	174.42	174.29	174.41	174.31	174.19	173.72	174.23
27	173.92	173.88	174.05	174.38	174.41	174.34	174.41	174.39	174.35	174.21	174.04	174.27
28	173.86	173.92	174.14*	174.37	174.43	174.43	174.29	174.37	174.33	174.05	173.85	174.16
29	173.80		174.08	174.45	174.44	174.41	174.41	174.32	174.34	174.22	173.79	174.19
30	173.83		174.11*	174.16	174.50	174.29	174.40	174.33	174.32	174.47	173.72	174.27
31	173.88		174.12		174.52		174.33	174.45		174.27		174.33
MEAN	173.83	173.88	174.00	174.23	174.42	174.41	174.41	174.36	174.36	174.18	174.07	174.11
MAX.	174.22	174.19	174.39	174.96	174.78	174.79	174.69	174.75	174.76	174.71	174.69	174.47
	1200/01	1100/25	2300/31	1400/04	0800/25	1900/11	0500/04	0700/08	0300/22	1900/30	2000/25	0400/29
MIN.	173.05	173.45	173.36	171.46	174.08	173.76	174.10	173.83	174.01	173.31	173.19	173.25
	0200/03	1300/04	1500/14	0845/06	1900/03	0100/11	1200/28	0700/10	1200/10	1700/23	1700/26	0200/08

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 174.19

ANNUAL SUMMARY OF LEVELS, 1979
Station 3087: Monroe, Michigan on Lake Erie

INTERNATIONAL
GREAT LAKES
DATUM (1955)

	HIGHEST		LOWEST		
Monthly mean elevation:	174.42	Jun	173.83	Jan
Daily mean elevation:	174.51	19 Jun	172.97	6 Apr
Instant/hourly elevation:	174.74	1300/4 Apr	171.56	0700/6 Apr

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
173.99	19 Jan
174.06	25 Feb
174.17	19 Mar
174.50	12 Apr
174.51	2 May
174.51	19 Jun
174.49	4 Jul
174.47	11 Aug
174.47	23 Sep
174.43	30 Oct
174.33	25 Nov
174.32	31 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
173.51	4 Jan
173.68	4 Feb
173.67	14 Mar
172.97	6 Apr
174.33	12 May
174.26	10 Jun
174.28	1 Jul
174.14	14 Aug
174.23	18 Sep
173.82	23 Oct
173.79	30 Nov
173.86	8 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
174.50					1	1							174.50	2
174.40				9	12	20	23	9	6	1			174.40	82
174.30				9	18	8	7	17	19	5	1	1	174.30	167
174.20				7		1	1	4	5	12	3	6	174.20	206
174.10			7	2				1		6	9	13	174.10	244
174.00		1	10	1						4	10	4	174.00	274
173.90	9	4	9	1						2	3	5	173.90	307
173.80	13	21	4							1	3	2	173.80	351
173.70	5	1									1		173.70	358
173.60	2	1	1										173.60	362
173.50	2												173.50	364
173.40													173.40	364
173.30													173.30	364
173.20													173.20	364
173.10													173.10	364
173.00													173.00	364
172.90				1									172.90	365

INTERNATIONAL
GREAT LAKES
DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 3087: Monroe, Michigan on Lake Erie

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	173.87	173.83	173.90	174.25	174.37	174.45	174.28	174.47	174.41	174.35	174.10	174.14
2	173.73	173.89	173.93	174.06	174.51	174.42	174.35	174.31	174.35	174.36	174.07	174.15
3	173.51	173.91	173.96	174.16	174.35	174.45*	174.40	174.39	174.38	174.22	174.04	174.00
4	173.51	173.68	173.97	174.33	174.38	174.44*	174.49	174.38	174.45	174.33	174.17	174.00
5	173.89	173.82	173.96	173.96	174.45	174.43	174.43	174.39	174.43	174.19	174.20	174.04
6	173.87	173.90	173.99	172.97	174.37	174.50	174.41	174.44	174.30	174.13	174.07	174.07
7	173.93	173.87	174.04	174.16	174.43	174.44	174.44	174.33	174.32	174.05	174.07	173.91
8	173.82	173.84	174.05	174.45	174.40	174.45	174.46	174.42	174.36	174.31	173.96	173.86
9	173.68	173.86	174.04	174.25	174.39	174.46	174.45	174.45	174.38	174.24	174.21	173.95
10	173.82	173.84	173.85	174.24	174.40	174.26	174.42	174.25	174.25	174.25	174.10	174.17
11	173.91	173.90	173.89	174.50	174.38	174.35	174.42	174.47	174.43	174.30	174.11	174.11
12	173.93	173.90	173.99	174.50	174.33	174.41	174.44	174.45	174.37	174.02	174.23	174.13
13	173.96	173.89	174.03	174.34	174.40	174.47	174.45	174.27	174.33	173.93	174.14	174.17
14	173.72	173.89	173.67	174.24	174.36	174.44	174.42	174.14	174.28	174.16	174.08	174.03
15	173.70	173.96	173.94	174.29	174.38	174.39	174.41	174.32	174.35	174.09	173.94	174.17
16	173.89	173.85	173.97	174.30	174.38	174.42	174.44	174.36	174.38	174.26	174.07	173.95
17	173.82	173.87	174.05	174.35	174.44	174.39	174.44	174.33	174.35	174.23	173.99	173.89
18	173.86	173.90	174.10	174.36	174.42	174.43	174.42	174.27	174.23	174.35	174.10	174.08
19	173.99	173.84	174.17	174.38	174.42	174.51	174.42	174.36	174.37	174.25	174.15	174.15
20	173.92	173.86	174.10	174.41	174.39	174.49	174.41	174.42	174.33	174.25	174.12	174.26
21	173.90	173.76	174.07	174.39	174.38	174.39	174.41	174.42	174.34	174.23	174.27	174.21
22	173.77	173.89	174.11	174.41	174.46	174.35	174.42	174.38	174.47	174.28	174.17	174.18
23	173.92	173.88	174.13	174.41	174.46	174.39	174.41	174.37	174.47	173.82	174.17	174.19
24	173.93	173.89	174.06	174.41	174.40	174.43	174.32	174.31	174.35	173.91	174.13	174.27
25	173.73	174.06	173.91	174.40	174.40	174.46	174.35	174.29	174.29	174.11	174.33	174.20
26	173.86	173.94	173.88	174.39	174.34	174.43	174.32	174.40	174.32	174.17	173.84	174.23
27	173.91	173.88	174.04	174.38	174.41	174.36	174.43	174.39	174.34	174.24	174.03	174.25
28	173.86	173.92	174.16	174.41	174.43	174.42	174.34	174.38	174.32	174.04	173.87	174.15
29	173.80		174.11	174.45	174.44	174.42	174.42	174.35	174.34	174.20	173.84	174.20
30	173.84		174.14	174.22	174.48	174.32	174.42	174.33	174.34	174.43	173.79	174.27
31	173.87		174.11		174.50		174.35	174.43		174.28		174.32
MEAN	173.83	173.88	174.01	174.28	174.41	174.42	174.41	174.36	174.35	174.19	174.08	174.12
MAX.	174.16	174.19	174.30	174.74	174.62	174.65	174.66	174.70	174.63	174.63	174.60	174.44
	1200/01	1400/25	0800/19	1300/04	1900/02	1900/11	0400/04	0600/08	0400/22	1900/30	2000/25	0400/29
MIN.	173.15	173.49	173.50	171.56	174.14	173.75	174.07	173.86	174.06	173.50	173.30	173.31
	0100/03	1200/04	1100/14	0700/06	1900/03	2400/10	1100/28	0800/10	1300/10	1600/23	1800/26	0200/08

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

ANNUAL MEAN: 174.20

ANNUAL SUMMARY OF LEVELS, 1979

Station 3090: Fermi Power Plant, Stony Point, Michigan on Lake Erie

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	174.41	Jun	173.82	Jan
Daily mean elevation:	174.75	3 Apr	173.04	6 Apr
Instant/hourly elevation:	174.95	1300/3 Apr	171.72	0700/6 Apr

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
173.97	19 Jan
174.05	25 Feb
174.15	28 Mar
174.75	3 Apr
174.49	31 May
174.49	6 Jun
174.46	4 Jul
174.44	11 Aug
174.45	22 Sep
174.40	30 Oct
174.29	25 Nov
174.31	31 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
173.52	3 Jan
173.68	4 Feb
173.70	14 Mar
173.04	6 Apr
174.33	12 May
174.30	10 Jun
174.27	1 Jul
174.13	14 Aug
174.23	18 Sep
173.87	23 Oct
173.82	30 Nov
173.88	8 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
174.70				1									174.70	1
174.60													174.60	1
174.50													174.50	1
174.40				4	11	17	12	5	4				174.40	54
174.30				13	20	12	18	20	19	6		1	174.30	163
174.20				7		1	1	5	7	12	3	5	174.20	204
174.10			4	2				1		6	11	14	174.10	242
174.00		1	13	1						4	9	5	174.00	275
173.90	6	2	9	1						2	3	5	173.90	303
173.80	16	23	4							1	4	1	173.80	352
173.70	4	1											173.70	357
173.60	3	1	1										173.60	362
173.50	2												173.50	364
173.40													173.40	364
173.30													173.30	364
173.20													173.20	364
173.10													173.10	364
173.00				1									173.00	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 3090: Fermi Power Plant, Stony Point, Michigan on Lake Erie

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	173.87	173.82	173.89	174.13*	174.35	174.44	174.27	174.43	174.38	174.34	174.11	174.15
2	173.68	173.88	173.91	174.05*	174.48	174.42	174.34	174.32	174.32	174.34	174.08	174.14
3	173.52	173.90	173.94	174.75*	174.35	174.43	174.39	174.38	174.35	174.21	174.05	174.03
4	173.53	173.68	173.96	174.23*	174.36	174.42	174.46	174.35	174.43	174.32	174.18	174.00
5	173.88	173.81	173.94	173.99	174.42	174.42	174.41	174.36	174.41	174.17	174.19	174.05
6	173.86	173.90	173.96	173.04	174.39	174.49	174.39	174.40	174.29	174.16	174.07	174.08
7	173.92	173.85	174.02	174.15	174.41	174.44	174.42	174.33	174.30	174.06	174.07	173.94
8	173.81	173.83	174.03	174.41	174.39	174.43	174.44	174.41	174.35	174.31	173.97	173.88
9	173.67	173.85	174.03	174.22	174.38	174.45	174.43	174.42	174.36	174.23	174.19	173.97
10	173.81	173.82	173.86	174.22	174.38	174.30	174.40	174.25	174.28*	174.25	174.10	174.16
11	173.90	173.89	173.90	174.44	174.37	174.31	174.40	174.44	174.40	174.30	174.11	174.12
12	173.92	173.89	173.97	174.46	174.33	174.41	174.41	174.42	174.36	174.03	174.23	174.14
13	173.94	173.86	174.02	174.32	174.38	174.44	174.43	174.27	174.32	173.94	174.14	174.17
14	173.71	173.88	173.70	174.23	174.35	174.43	174.40	174.13	174.27	174.16	174.08	174.03
15	173.70	173.93	173.91	174.29	174.36	174.39	174.39	174.30	174.35	174.10	173.97	174.16
16	173.89	173.83	173.96	174.28	174.38	174.40	174.41	174.34	174.37	174.25	174.08	173.95
17	173.81	173.85	174.04	174.33	174.43	174.38	174.42	174.32	174.34	174.23	174.00	173.91
18	173.85	173.89	174.08	174.35	174.40	174.39	174.40	174.27	174.23	174.33	174.10	174.08
19	173.97	173.82	174.15	174.36	174.40	174.47	174.41	174.34	174.36	174.26	174.15	174.16
20	173.90	173.85	174.09	174.38	174.37	174.46	174.39	174.40	174.34	174.26	174.12	174.24
21	173.89	173.75	174.06	174.38	174.36	174.40	174.39	174.39	174.33	174.24	174.26	174.18
22	173.77	173.88	174.09	174.36	174.45	174.36	174.40	174.36	174.45	174.28	174.16	174.17
23	173.91	173.87	174.11	174.39	174.43	174.37	174.40	174.35	174.44	173.87	174.16	174.17
24	173.92	173.87	174.06	174.39	174.36	174.41	174.33	174.31	174.35	173.92	174.14	174.25
25	173.71	174.05	173.92	174.38	174.38	174.43	174.35	174.29	174.29	174.11	174.29	174.18
26	173.85	173.94	173.88	174.37	174.34	174.40	174.31	174.38	174.30	174.17	173.89	174.21
27	173.90	173.86	174.03	174.36	174.41	174.35	174.41	174.37	174.32	174.24	174.04	174.24
28	173.85	173.90	174.15	174.39	174.42	174.40	174.32	174.35	174.31	174.06	173.89	174.16
29	173.79		174.09	174.42	174.43	174.42	174.39	174.33	174.33	174.19	173.88	174.20
30	173.83		174.13	174.25	174.46	174.32	174.41	174.31	174.31	174.40	173.82	174.26
31	173.86		174.10		174.49		174.34	174.40		174.26		174.31
MEAN	173.82	173.86	174.00	174.28	174.39	174.41	174.39	174.35	174.34	174.19	174.08	174.12
MAX.	174.15	174.16	174.28	174.95	174.61	174.59	174.61	174.66	174.57	174.58	174.49	174.43
	1200/01	1600/25	0900/19	1300/03	0900/25	0600/06	0400/04	0600/08	0400/22	1900/30	2000/25	0500/29
MIN.	173.20	173.48	173.53	171.72	174.14	173.85	174.15	173.91	174.07	173.51	173.36	173.32
	0100/03	1200/04	1200/14	0700/06	1800/03	0400/11	1100/28	0800/10	1400/10	1500/23	1800/26	0100/08

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 174.19

ANNUAL SUMMARY OF LEVELS, 1979
Station 4020: Gibraltar, Michigan on Detroit River

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	174.46	Jun	173.94	Jan
Daily mean elevation:	174.54	20 Jun	173.30	6 Apr
Instant/hourly elevation:	174.73	1900/20 Jun	172.51	0800/6 Apr

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
174.07	13 Jan
174.11	25 Feb
174.22	28 Mar
174.50	12 Apr
174.53	31 May
174.54	20 Jun
174.50	4 Jul
174.49	9 Aug
174.49	23 Sep
174.44	30 Oct
174.35	25 Nov
174.36	31 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
173.75	3 Jan
173.79	4 Feb
173.76	14 Mar
173.30	6 Apr
174.35	25 May
174.35	10 Jun
174.34	1 Jul
174.21	14 Aug
174.31	18 Sep
174.00	24 Oct
173.96	30 Nov
173.96	8 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
174.50					2	3							174.50	5
174.45				3	8	16	22	8	6				174.45	68
174.40				10	11	8	5	13	11	3			174.40	129
174.35				4	9	2	3	8	10	4		1	174.35	170
174.30				4	1	1	1	1	3	8	2	2	174.30	193
174.25				2						5	2	5	174.25	207
174.20			1	3				1		3	7	8	174.20	230
174.15			3	1						2	7	5	174.15	248
174.10		1	6	1						3	5	3	174.10	267
174.05	2		7	1							4	4	174.05	285
174.00	5	2	4							2		1	174.00	299
173.95	10	13	6							1	3	2	173.95	334
173.90	5	9	3										173.90	351
173.85	4	2											173.85	357
173.80	1												173.80	358
173.75	3	1	1										173.75	363
173.70	1												173.70	364
173.65													173.65	364
173.60													173.60	364
173.55													173.55	364
173.50													173.50	364
173.45													173.45	364
173.40													173.40	364
173.35													173.35	364
173.30													173.30	364
173.25				1									173.25	365

INTERNATIONAL
GREAT LAKES
DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 4020: Gibraltar, Michigan on Detroit River

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	173.92	173.89	173.96	174.25	174.39	174.48	174.34	174.49	174.46	174.40	174.21	174.22
2	173.78	173.96	173.99	174.14	174.52	174.46	174.39	174.40	174.41	174.41	174.16	174.19
3	173.75	173.98	174.00	174.19	174.40	174.47	174.44	174.45	174.42	174.29	174.12	174.15
4	173.76	173.79	174.03	174.31	174.40	174.46	174.50	174.42	174.49	174.39	174.25	174.09
5	174.01	173.91	174.00	174.09	174.46	174.46	174.46	174.43	174.48	174.26	174.27	174.17
6	174.00	173.98	174.03	173.30	174.44	174.53	174.45	174.46	174.36	174.25	174.14	174.15
7	174.04	173.94	174.07	174.21	174.46	174.49	174.48	174.42	174.36	174.13	174.14	174.08
8	173.96	173.92	174.08	174.44	174.43	174.49	174.49	174.47	174.42	174.38	174.09	173.96
9	173.87	173.95	174.07	174.25	174.42	174.49	174.49	174.49	174.43	174.28	174.25	174.08
10	173.96	173.93	173.92	174.28	174.42	174.35	174.46	174.33	174.35	174.31	174.17	174.24
11	174.02	173.98	173.94	174.47	174.42*	174.36	174.46	174.48	174.47	174.42	174.16	174.20
12	174.02	173.97	174.03	174.50	174.38*	174.45	174.48	174.48	174.42	174.12	174.28	174.19
13	174.07	173.95	174.08	174.37	174.42	174.49	174.49	174.36	174.39	174.04	174.20	174.22
14	173.84	173.96	173.76	174.29	174.40	174.49	174.47	174.21	174.32	174.23	174.15	174.10
15	173.89	174.01	173.98	174.34	174.39	174.45	174.46	174.37	174.41	174.19	174.07	174.26
16	174.04	173.93	174.03	174.33	174.42	174.46	174.46	174.42	174.44	174.32	174.16	174.01
17	173.96	173.97	174.09	174.38	174.48	174.43	174.46	174.40	174.42	174.30	174.09	173.99
18	173.97	174.00	174.12	174.39	174.45	174.43	174.46	174.36	174.31	174.39	174.17	174.15
19	174.06	173.93	174.18	174.41	174.45	174.53	174.48	174.41	174.42	174.34	174.22	174.22
20	174.00	173.95	174.12	174.42	174.42	174.54	174.46	174.46	174.42	174.34	174.18	174.28
21	173.96	173.88	174.10	174.42	174.39	174.47	174.46	174.45	174.39	174.31	174.31	174.25
22	173.86	173.97	174.13	174.41	174.49	174.41	174.46	174.44	174.48	174.35	174.23	174.24
23	174.00	173.97	174.17	174.43	174.46	174.41	174.46	174.44	174.49	174.03	174.23	174.23
24	174.00	173.97	174.12	174.43	174.36	174.45	174.42	174.39	174.41	174.00	174.21	174.31
25	173.79	174.11	173.99	174.43	174.35	174.48	174.45	174.36	174.36	174.16	174.35	174.20
26	173.92	174.03	173.93	174.41	174.38	174.46	174.38	174.45	174.36	174.23	174.08	174.27
27	173.97	173.96	174.08	174.40	174.45	174.42	174.48	174.44	174.39	174.33	174.12	174.30
28	173.92	173.98	174.22	174.42	174.46	174.46	174.40	174.42	174.38	174.13	174.00	174.22
29	173.87		174.14	174.47	174.47	174.49	174.46	174.42	174.39	174.26	173.99	174.27
30	173.91		174.19	174.33	174.50	174.40	174.49	174.39	174.37	174.44	173.96	174.32
31	173.93		174.14		174.53		174.42	174.47		174.33		174.36
MEAN	173.94	173.96	174.05	174.32	174.43	174.46	174.45	174.42	174.41	174.27	174.17	174.19
MAX.	174.18	174.23	174.32	174.70	174.63	174.73	174.64	174.73	174.62	174.60	174.55	174.49
	1200/01	1700/25	0900/19	0100/30	0900/25	1900/20	0500/04	0700/08	0200/15	1900/30	2000/25	0400/29
MIN.	173.42	173.63	173.60	172.51	174.17	173.87	174.25	174.01	174.17	173.68	173.54	173.46
	0100/03	1500/04	2200/14	0800/06	1600/25	0300/11	0300/26	0700/10	1900/14	1600/23	1800/26	0300/08

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 174.26

ANNUAL SUMMARY OF LEVELS, 1979
Station 4030: Wyandotte, Michigan on Detroit River

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	174.85	Jul	174.43	Feb
Daily mean elevation:	174.89	11 Aug	174.08	6 Apr
Instant/hourly elevation:	175.01	2000/20 Jun	173.73	0800/6 Apr

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
174.62	13 Jan
174.65	25 Feb
174.58	28 Mar
174.84	18 Apr
174.88	31 May
174.88	20 Jun
174.89	13 Jul
174.89	11 Aug
174.88	4 Sep
174.80	2 Oct
174.71	25 Nov
174.77	31 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
174.31	3 Jan
174.29	4 Feb
174.32	14 Mar
174.08	6 Apr
174.76	1 May
174.76	10 Jun
174.78	1 Jul
174.70	14 Aug
174.75	18 Sep
174.50	24 Oct
174.46	30 Nov
174.47	8 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
174.85					2	5	18	7	5				174.85	37
174.80				8	15	23	11	17	12				174.80	123
174.75				10	14	2	2	6	12	6		2	174.75	177
174.70				6					1	10	1	5	174.70	200
174.65								1		6	4	2	174.65	213
174.60	1	1		2						5	11	10	174.60	243
174.55	9	3	2	2						1	7	7	174.55	274
174.50	7	2	13	1						1	5	3	174.50	306
174.45	6	1	10							2	2	2	174.45	329
174.40	4	10	5										174.40	348
174.35	2	5											174.35	355
174.30	2	4	1										174.30	362
174.25		2											174.25	364
174.20													174.20	364
174.15													174.15	364
174.10													174.10	364
174.05				1									174.05	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 4030: Wyandotte, Michigan on Detroit River

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	174.38	174.43	174.54	174.63	174.76	174.85	174.78	174.87	174.85	174.79	174.63	174.64
2	174.31	174.42	174.49	174.56	174.84	174.85	174.81	174.83	174.81	174.80	174.58	174.63
3	174.31	174.42	174.48	174.58*	174.79	174.85	174.85	174.85	174.84	174.72	174.59	174.57
4	174.51	174.29	174.47	174.71*	174.79	174.84	174.89	174.84	174.88	174.78	174.64	174.56
5	174.57	174.30	174.46	174.54	174.82	174.84	174.86	174.84	174.87	174.71	174.66	174.56
6	174.58	174.35	174.48	174.08	174.81	174.88	174.86	174.87	174.81	174.69	174.61	174.60
7	174.59	174.34	174.51	174.63	174.81	174.85	174.87	174.82	174.80	174.62	174.58	174.53
8	174.55	174.34	174.52	174.78	174.79	174.85	174.87	174.86	174.84	174.76	174.53	174.47
9	174.48	174.37	174.51	174.71	174.78	174.85	174.89	174.87	174.83	174.72	174.67	174.53
10	174.50	174.35	174.42	174.71	174.79	174.76	174.87	174.78	174.77	174.73	174.62	174.63
11	174.56	174.39	174.44	174.81	174.78	174.78	174.87	174.89	174.86	174.77	174.61	174.59
12	174.60	174.40	174.49	174.84	174.77	174.83	174.89	174.88	174.82	174.61	174.67	174.62
13	174.62	174.39	174.49	174.75	174.79	174.85	174.89	174.78	174.80	174.55	174.64	174.64
14	174.58	174.41	174.32	174.75	174.78	174.85	174.87	174.70	174.78	174.66	174.60	174.56
15	174.58	174.44	174.42	174.80	174.78	174.82	174.86	174.80	174.82	174.64	174.55	174.62
16	174.59	174.42	174.44	174.80	174.81	174.83	174.88	174.83	174.83	174.71	174.61	174.52
17	174.56	174.42	174.49	174.83	174.83	174.82	174.87	174.81	174.81	174.70	174.54	174.49
18	174.54	174.42	174.51	174.84	174.81	174.84	174.86	174.79	174.75	174.75	174.60	174.58
19	174.54	174.39	174.53	174.83	174.81	174.88	174.86	174.83	174.82	174.72	174.62	174.63
20	174.53	174.44	174.52	174.82	174.80	174.88	174.85	174.85	174.80	174.71	174.60	174.67
21	174.53	174.42	174.50	174.81	174.79	174.84	174.85	174.85	174.80	174.70	174.68	174.64
22	174.48	174.49	174.53	174.80	174.84	174.81	174.85	174.84	174.87	174.72	174.63	174.62
23	174.52	174.53	174.55	174.79	174.83	174.82	174.85	174.83	174.86	174.50	174.64	174.63
24	174.48	174.57	174.53	174.79	174.79	174.84	174.82	174.80	174.81	174.50	174.64	174.69
25	174.37	174.65	174.46	174.78	174.83	174.86	174.83	174.78	174.77	174.61	174.71	174.71
26	174.44	174.60	174.42	174.78	174.81	174.84	174.80	174.84	174.77	174.64	174.51	174.74
27	174.46	174.56	174.51	174.78	174.84	174.81	174.86	174.84	174.79	174.70	174.57	174.76
28	174.43	174.55	174.58	174.80	174.85	174.85	174.82	174.83	174.78	174.58	174.52	174.72
29	174.41		174.54	174.81	174.85	174.86	174.85	174.82	174.78	174.67	174.50	174.74
30	174.43		174.57	174.71	174.87	174.84	174.86	174.81	174.77	174.78	174.46	174.75
31	174.47		174.55		174.88		174.82	174.87		174.71		174.77
MEAN	174.50	174.43	174.49	174.73	174.81	174.84	174.85	174.83	174.81	174.69	174.60	174.63
MAX.	174.66	174.70	174.62	174.95	174.93	175.01	174.96	174.99	174.92	174.87	174.84	174.85
	1100/13	1700/25	2400/31	0100/30	0900/25	2000/20	0600/04	0700/08	0400/22	2000/30	2000/25	0400/29
MIN.	174.13	174.21	174.27	173.73	174.67	174.55	174.73	174.60	174.67	174.35	174.25	174.24
	0100/03	1600/04	1200/14	0800/06	0600/01	0300/11	0600/26	0800/10	1300/10	1600/23	1400/26	2400/07

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 174.68

ANNUAL SUMMARY OF LEVELS, 1979

Station 4036: Fort Wayne, Detroit, Michigan on Detroit River

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	174.99	Jul	174.64	Mar
Daily mean elevation:	175.03	13 Jul	174.30	6 Apr
Instant/hourly elevation:	175.10	1400/9 Jul	174.01	0800/6 Apr

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
174.91	13 Jan
174.79	25 Feb
174.70	28 Mar
174.99	18 Apr
175.01	31 May
175.01	20 Jun
175.03	13 Jul
175.02	11 Aug
175.01	5 Sep
174.95	2 Oct
174.85	25 Nov
174.92	31 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
174.48	3 Jan
174.61	7 Feb
174.50	14 Mar
174.30	6 Apr
174.89	1 May
174.90	10 Jun
174.94	1 Jul
174.87	14 Aug
174.91	18 Sep
174.67	24 Oct
174.64	30 Nov
174.64	8 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
175.00					1	1	12	3	2				175.00	19
174.95				6	9	25	17	21	15				174.95	112
174.90	1			11	20	3	2	6	13	4		3	174.90	175
174.85	3			3	1	1		1		8		4	174.85	196
174.80	5			4						10	4	1	174.80	220
174.75	4	4		2						5	12	11	174.75	258
174.70	3	15		1						2	8	7	174.70	294
174.65	1	2	12	2						2	5	3	174.65	321
174.60	4	1	13								1	2	174.60	342
174.55	1		5										174.55	348
174.50	2												174.50	350
174.45	2		1										174.45	353
174.40													174.40	353
174.35													174.35	353
174.30													174.30	353
174.25				1									174.25	354

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 4036: Fort Wayne, Detroit, Michigan on Detroit River

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	174.53	/	174.68	174.76	174.89	174.99	174.94	175.00	174.99	174.93	174.77	174.79
2	174.48	/	174.64	174.70	174.96	174.98	174.97	174.97	174.96	174.95	174.74	174.78
3	174.48	/	174.62	174.74	174.92	174.98	174.99	174.98	174.99	174.88	174.74	174.73
4	174.65	/	174.62	174.83	174.92	174.97	175.03	174.98	175.01*	174.92	174.78	174.72
5	174.80	/	174.61	174.69	174.95	174.98	175.01	174.98	175.01*	174.87	174.80	174.71
6	174.84	/	174.63	174.30	174.94	175.00	175.00	175.00	174.96	174.85	174.77	174.75
7	174.87	174.61*	174.65	174.77	174.94	174.98	175.01	174.96	174.95	174.79	174.74	174.69
8	174.86	174.66	174.67	174.91	174.92	174.98	175.01	174.99	174.98	174.90	174.70	174.64
9	174.81	174.69	174.66	174.85	174.91	174.98	175.03	175.01	174.97	174.88	174.81	174.69
10	174.82	174.71	174.59	174.85	174.92	174.90	175.02	174.94	174.92	174.88	174.77	174.77
11	174.84	174.74	174.60	174.93	174.91	174.92	175.01	175.02	174.99	174.91	174.76	174.74
12	174.89	174.72	174.64	174.95	174.91	174.97	175.03	175.01	174.96	174.78	174.81	174.76
13	174.91	174.74	174.64	174.89	174.93	174.98	175.03	174.93	174.94	174.72	174.79	174.78
14	174.81	174.74	174.50	174.91	174.91	174.98	175.01	174.87	174.94	174.81	174.75	174.72
15	174.76	174.75	174.58	174.96	174.92	174.96	175.00	174.95	174.96	174.80	174.71	174.76
16	174.79	174.72	174.59	174.96	174.94	174.97	175.02	174.98	174.97	174.85	174.76	174.69
17	174.74	174.74	174.63	174.99	174.96	174.96	175.01	174.96	174.96	174.85	174.70	174.65
18	174.74	174.76	174.64	174.99	174.94	174.97	175.00	174.95	174.91	174.89	174.75	174.73
19	174.76	174.73	174.67	174.97	174.94	175.00	174.99	174.98	174.96	174.86	174.76	174.78
20	174.71	174.76	174.66	174.96	174.93	175.01	174.99	174.99	174.94	174.85	174.75	174.80
21	174.67	174.72	174.63	174.94	174.92	174.97	174.98	174.99	174.94	174.84	174.81	174.77
22	174.63	174.75	174.66	174.93	174.97	174.95	174.99	174.99	174.99	174.85	174.78	174.76
23	174.64	174.75	174.68	174.92	174.96	174.96	174.98	174.97	174.99	174.67	174.78	174.77
24	174.61	174.74	174.66	174.92	174.94	174.99	174.96	174.94	174.96	174.67	174.78	174.83
25	174.54	174.79	174.62	174.90	174.98	174.99	174.96	174.93	174.92	174.77	174.85	174.87
26	174.58*	174.78	174.58	174.90	174.95	174.98	174.95	174.98	174.92	174.79	174.68	174.89
27	/	174.74	174.65	174.91	174.98	174.95	174.99	174.98	174.93	174.84	174.73	174.92
28	/	174.71	174.70	174.93	174.99	174.99	174.96	174.97	174.92	174.74	174.70	174.89
29	/		174.68	174.93	174.99	174.99	174.99	174.96	174.92	174.81	174.68	174.90
30	/		174.69	174.85	175.00	174.99	174.99	174.96	174.92	174.90	174.64	174.91
31	/		174.69		175.01		174.97	175.00		174.85		174.92
MEAN	174.72	174.73	174.64	174.87	174.94	174.97	174.99	174.97	174.96	174.84	174.75	174.78
MAX.	174.93	174.82	174.75	175.03	175.05	175.07	175.10	175.09	175.04	174.98	174.95	174.97
	1200/13	1600/25	2300/31	0100/30	1000/25	2000/20	1400/09	0100/02	2200/05	1000/04	2000/25	0600/29
MIN.	174.34	174.58	174.44	174.01	174.82	174.74	174.89	174.81	174.85	174.55	174.45	174.49
	0100/03	0400/08	1700/14	0800/06	0600/01	2400/10	1000/28	0900/10	0900/10	1700/23	1400/26	2300/07

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 174.85

ANNUAL SUMMARY OF LEVELS, 1979

Station 4049: Windmill Point, Detroit, Michigan on Detroit River

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	175.26	Jul	174.90	Mar
Daily mean elevation:	175.29	13 Jul	174.73	6 Apr
Instant/hourly elevation:	175.39	1500/25 May	174.47	2400/5 Apr

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
175.04	13 Jan
174.99	26 Feb
174.94	30 Mar
175.29	17 Apr
175.28	25 May
175.26	30 Jun
175.29	13 Jul
175.28	11 Aug
175.26	22 Sep
175.20	2 Oct
175.10	25 Nov
175.23	27 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
174.77	25 Jan
174.84	8 Feb
174.82	14 Mar
174.73	6 Apr
175.15	1 May
175.16	10 Jun
175.21	24 Jul
175.18	14 Aug
175.17	29 Sep
174.95	23 Oct
174.94	26 Nov
174.96	7 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
175.25				4	1	1	16	5	3				175.25	30
175.20				2	8	28	15	24	17			4	175.20	128
175.15				10	21	1		2	10	4		3	175.15	179
175.10				6	1					10			175.10	196
175.05				2						12	8	5	175.05	223
175.00	7			2						3	17	10	175.00	262
174.95	3	2								1	3	9	174.95	280
174.90	3	4	12	1						1	2		174.90	303
174.85	4	4	13	1									174.85	325
174.80	5	2	1										174.80	333
174.75	5												174.75	338
174.70				1									174.70	339

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 4049: Windmill Point, Detroit, Michigan on Detroit River

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	174.83	/	174.91	/	175.15	175.24	175.23	175.26	175.24	175.19	175.03	175.07
2	174.80	/	174.89	174.90*	175.18	175.23	175.24	175.24	175.22	175.20	175.02	175.07
3	174.78	/	174.87	175.02	175.17	175.23	175.26	175.24	175.25	175.16	175.03	174.99
4	174.87	/	174.86	175.07	175.19	175.23	175.28	175.24	175.26	175.17	175.05	175.03
5	174.96	/	174.88	174.95	175.19	175.24	175.27	175.24	175.26	175.15	175.06	174.97
6	175.00	174.86*	174.89	174.73	175.18	175.24	175.26	175.27	175.24	175.12	175.06	175.04
7	175.01	174.85	174.91	175.04	175.18	175.22	175.26	175.22	175.24	175.10	175.03	174.96
8	175.03	174.84	174.93	175.13	175.16	175.22	175.27	175.25	175.25	175.15	174.98	174.97
9	175.01	174.87	174.93	175.14	175.16	175.23	175.28	175.26	175.23	175.15	175.08	174.97
10	175.03	174.88*	174.89	175.12	175.16	175.16	175.29	175.22	175.19	175.14	175.06	175.03
11	175.04	/	174.89	175.16	175.16	175.21	175.28	175.28	175.24	175.13	175.05	175.00
12	175.04	/	174.90	175.18	175.18	175.23	175.29	175.27	175.22	175.08	175.07	175.05
13	175.04	/	174.89	175.14	175.17	175.23	175.29	175.20	175.20	175.05	175.07	175.06
14	175.00	/	174.82	175.18	175.17	175.22	175.27	175.18	175.24	175.10	175.04	175.02
15	174.95	/	174.86*	175.25	175.18	175.21	175.27	175.24	175.23	175.08	175.01	175.00
16	174.93	/	174.86*	175.28	175.19	175.22	175.28	175.24	175.23	175.11	175.04	175.00
17	174.91	/	/	175.29	175.19	175.22	175.28	175.22	175.21	175.11	174.99	174.97
18	174.89	/	/	175.28	175.18	175.24	175.26	175.23	175.19	175.13	175.03	175.01
19	174.90	/	/	175.26	175.18	175.24	175.24	175.24	175.24	175.10	175.02	175.04
20	174.87	/	174.92*	175.23	175.18	175.23	175.25	175.25	175.20	175.10	175.02	175.06
21	174.84	/	174.91	175.19	175.19	175.22	175.24	175.25	175.22	175.09	175.06	175.03
22	174.82	174.90*	174.92	175.19	175.20	175.23	175.24	175.24	175.26	175.10	175.04	175.02
23	174.82	174.91	174.93	175.17	175.21	175.23	175.24	175.23	175.24	174.95	175.05	175.03
24	174.80	174.94	174.92	175.16	175.23	175.25	175.21	175.21	175.21	174.99	175.05	175.08
25	174.77	174.98	174.90	175.14	175.28	175.24	175.22	175.21	175.19	175.05	175.10	175.19
26	174.80	174.99	174.88	175.14	175.23	175.23	175.24	175.24	175.19	175.07	174.94	175.20
27	174.81*	174.95	174.92	175.16	175.24	175.21	175.24	175.24	175.19	175.07	175.03	175.23
28	/	174.92	/	175.18	175.25	175.24	175.23	175.23	175.18	175.04	175.01	175.22
29	/		174.94*	175.18*	175.25	175.24	175.24	175.22	175.17	175.08	175.00	175.21
30	/		174.94*	175.07*	175.25	175.26	175.24	175.24	175.18	175.13	174.95	175.21
31	/		/		175.25		175.24	175.25		175.10		175.20
MEAN	174.91	174.91	174.90	175.14	175.20	175.23	175.26	175.24	175.22	175.10	175.03	175.06
MAX.	175.05	175.01	174.96	175.31	175.39	175.34	175.34	175.32	175.31	175.24	175.15	175.27
	2000/13	0200/26	0500/30	2000/17	1500/25	2100/17	1900/16	2200/10	1800/03	2400/01	0200/26	1200/25
MIN.	174.70	174.82	174.75	174.47	175.08	175.04	175.17	175.05	175.09	174.89	174.74	174.79
	0100/03	0600/08	1600/14	2400/05	0300/11	2200/10	1200/25	0500/10	1700/20	1200/23	1300/26	1400/05

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 175.10

ANNUAL SUMMARY OF LEVELS, 1979

Station 4052: St. Clair Shores, Michigan on Lake St. Clair

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	175.32	Jul	174.96	Feb
Daily mean elevation:	175.36	17 Apr	174.86	25 Jan
Instant/hourly elevation:	175.38	1700/11 Jul	174.54	2400/5 Apr

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
175.08	14 Jan
175.07	26 Feb
175.02	31 Mar
175.36	17 Apr
175.31	31 May
175.32	30 Jun
175.35	12 Jul
175.32	11 Aug
175.32	5 Sep
175.26	2 Oct
175.16	25 Nov
175.29	28 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
174.86	25 Jan
174.88	4 Feb
174.94	15 Mar
174.88	6 Apr
175.21	1 May
175.25	10 Jun
175.29	28 Jul
175.25	14 Aug
175.24	30 Sep
175.06	24 Oct
175.06	30 Nov
175.04	8 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
175.35				1								
175.30				4	5	3	24	16	4			
175.25				3	2	26	7	14	21	1		6
175.20				11	24	1		1	5	8		
175.15				4						14	1	1
175.10				2						5	16	9
175.05	9	2		2						3	13	12
175.00	2	3	6	2								3
174.95	3	9	20									
174.90	6	8	5									
174.85	11	3		1								

Elev. (m.)	No. of days above elev.
175.35	1
175.30	57
175.25	137
175.20	187
175.15	207
175.10	239
175.05	280
175.00	296
174.95	328
174.90	347
174.85	362

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 4052: St. Clair Shores, Michigan on Lake St. Clair

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	174.92	174.91	174.99	175.06	175.21	175.30	175.30	175.31	175.31	175.25	175.12	175.13
2	174.90	174.92	174.96	175.04	175.24	175.30	175.31	175.31	175.29	175.26	175.10	175.12
3	174.92	174.90	174.94	175.08	175.24	175.29	175.32	175.31	175.31	175.23	175.11	175.10
4	174.96	174.88	174.94	175.12	175.24	175.29	175.34	175.31	175.31	175.24	175.12	175.11
5	175.02	174.89	174.96	175.04	175.25	175.29	175.32	175.31	175.32	175.22	175.14	175.09
6	175.06	174.92	174.98	174.88	175.25	175.29	175.32	175.32	175.30	175.20	175.12	175.11
7	175.06	174.91	174.99	175.11	175.25	175.29	175.32	175.30	175.29	175.17	175.10	175.06
8	175.08	174.92	175.00	175.18	175.23	175.29	175.32	175.31	175.30	175.21	175.08	175.04
9	175.07	174.94	175.01	175.17	175.22	175.29	175.34	175.32	175.30	175.21	175.13	175.07
10	175.07	174.95	175.00	175.18	175.24	175.25	175.35	175.29	175.28	175.21	175.13	175.11
11	175.08	174.96	174.99	175.22	175.24	175.26	175.35	175.32	175.30	175.22	175.11	175.09
12	175.08	174.95	174.99	175.24	175.24	175.29	175.35	175.31	175.28	175.16	175.13	175.10
13	175.08	174.96	174.98	175.21	175.24	175.29	175.34	175.28	175.27	175.13	175.13	175.12
14	175.08	174.96	174.94	175.26	175.23	175.29	175.33	175.25	175.28	175.16	175.11	175.09
15	175.02	174.96	174.94	175.32	175.24	175.28	175.33	175.29	175.29	175.16	175.09	175.09
16	174.99	174.98	174.95	175.35	175.25	175.28	175.33	175.31	175.30	175.18	175.10	175.05
17	174.97	174.99*	174.97	175.36	175.25	175.27	175.32	175.30	175.29	175.18	175.08	175.05
18	174.94	/	174.98	175.35	175.25	175.29	175.31	175.30	175.27	175.19	175.10	175.09
19	174.94	/	174.99	175.32	175.24	175.30	175.31	175.31	175.29	175.18	175.10	175.11
20	174.92	/	174.99	175.29	175.24	175.31	175.31	175.31	175.28	175.17	175.09	175.11
21	174.91	175.00*	175.00	175.26	175.24	175.29	175.31	175.31	175.28	175.17	175.12	175.10
22	174.90	175.00	175.01	175.25	175.25	175.28	175.30	175.31	175.29	175.17	175.11	175.09
23	174.89	175.01	175.01	175.23	175.25	175.28	175.31	175.30	175.30	175.08	175.12	175.10
24	174.87	175.02	175.00	175.22	175.25	175.30	175.29	175.28	175.28	175.06	175.13	175.14
25	174.86	175.06	174.99	175.21	175.27	175.29	175.29	175.28	175.26	175.11	175.16	175.19
26	174.87	175.07	174.96	175.21	175.28	175.29	175.30	175.30	175.25	175.12	175.09	175.27
27	174.88	175.03	174.99	175.22	175.31	175.28	175.31	175.30	175.25	175.15	175.12	175.29
28	174.87	175.00	175.01	175.24	175.31	175.30	175.29	175.30	175.24	175.10	175.10	175.29
29	174.88		175.00	175.24	175.31	175.31	175.31	175.29	175.24	175.14	175.10	175.28
30	174.88		175.01	175.19	175.31	175.32	175.31	175.30	175.24	175.18	175.06	175.28
31	174.89		175.02		175.31		175.30	175.31		175.17		175.26
MEAN	174.96	174.96	174.98	175.20	175.25	175.29	175.32	175.30	175.28	175.17	175.11	175.13
MAX.	175.10	175.08	175.06	175.38	175.35	175.36	175.38	175.36	175.35	175.30	175.24	175.31
	1000/14	0900/26	2100/31	0400/17	1400/08	1700/20	1700/11	0100/02	1700/03	2400/01	0100/26	1700/27
MIN.	174.83	174.87	174.89	174.54	175.17	175.15	175.25	175.22	175.22	175.02	174.97	174.94
	2000/02	2100/04	1600/14	2400/05	0600/01	1900/10	1000/28	1200/14	0400/30	0700/24	1300/26	2200/07

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 175.16

ANNUAL SUMMARY OF LEVELS, 1979
Station 4070: Algonac, Michigan on St. Clair River

INTERNATIONAL GREAT LAKES DATUM (1955)

HIGHEST			LOWEST		
Monthly mean elevation:	175.48	Aug	Monthly mean elevation:	175.16	Mar
Daily mean elevation:	175.52	13 Aug	Daily mean elevation:	175.09	1 Jan
Instant/hourly elevation:	175.62	1342/26 Nov	Instant/hourly elevation:	175.06	2157/1 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
175.45	5 Jan
175.43	26 Feb
175.24	1 Mar
175.50	16 Apr
175.45	28 May
175.49	30 Jun
175.50	11 Jul
175.52	13 Aug
175.49	18 Sep
175.43	11 Oct
175.45	26 Nov
175.40	3 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
175.09	1 Jan
175.16	7 Feb
175.11	4 Mar
175.20	1 Apr
175.36	25 May
175.42	7 Jun
175.46	8 Jul
175.47	27 Aug
175.41	30 Sep
175.31	31 Oct
175.26	19 Nov
175.25	22 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
175.50								1					175.50	1
175.45				5		7	31	30	17				175.45	91
175.40	1	2		3	6	23			13	9	1		175.40	149
175.35	1			4	25					12	3	3	175.35	197
175.30	5	1		10						10	7	7	175.30	237
175.25	7	8		3							19	9	175.25	283
175.20	6	5	1	3								2	175.20	300
175.15	7	12	14	1									175.15	334
175.10	3		16										175.10	353
175.05	1												175.05	354

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 4070: Algonac, Michigan on St. Clair River

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	175.09	175.29	175.24	175.20	175.37	175.44	175.49	175.47	175.48	175.41	175.33	175.31
2	175.14	175.23	175.18	175.25	175.39	175.43	175.48*	175.49	175.48	175.41	175.32	175.31
3	175.18	175.19	175.13	175.24	175.40	175.43	175.48*	175.50	175.47	175.42	175.31	175.40
4	175.32	175.19	175.11	175.24	175.40	175.43	175.47	175.49	175.47	175.41	175.30	175.34
5	175.45	175.20	175.14	175.30	175.40	175.42	175.48	175.49	175.47	175.41	175.30	175.38
6	175.36	175.16	175.15	175.50*	175.40	175.43	175.48	175.49	175.48	175.42	175.29	/
7	175.34	175.16	175.15	/	175.37	175.42	175.47	175.50	175.47	175.40	175.30	/
8	175.34	175.19	175.17	175.27*	175.38	175.44	175.46	175.49	175.47	175.39	175.34	/
9	175.29	175.19	175.16	175.29	175.38	175.44	175.48	175.49	175.47	175.39	175.28	175.36*
10	175.31	175.20	175.18	175.31	175.38	175.48	175.50	175.50	175.48	175.40	175.29	175.31
11	175.30	175.18	175.17	175.31	175.38	175.44	175.50	175.48	175.44	175.43	175.29	175.31
12	175.28	175.19	175.17	175.32*	175.37	175.44	175.49	175.49	175.43	175.41	175.28	175.29
13	175.30	175.20	175.13	175.33*	175.39	175.45	175.49	175.52	175.44	175.40	175.28	175.29
14	175.31	175.20	175.18	175.42	175.39	175.45	175.48	175.49	175.46	175.37	175.29	175.30
15	175.22	175.23	175.15	175.46*	175.40	175.46	175.48	175.48	175.47	175.38	175.30	175.33
16	175.21	175.28	175.14	175.50*	175.40	175.45	175.48	175.49	175.48	175.35	175.28	175.30
17	175.18	175.27	175.13	175.49	175.40	175.44	175.48	175.50	175.49	175.36	175.29	175.33*
18	175.19	175.25	175.12	175.47	175.39	175.43	175.48	175.49	175.49	175.36	175.26	175.30*
19	175.16	175.27	175.12	175.45	175.39	175.45	175.48	175.47	175.46	175.36	175.26	175.28
20	175.15	175.25	175.14	175.41	175.38	175.45	175.48	175.47	175.48	175.36	175.27	175.26
21	175.19	175.27	175.15	175.38	175.38	175.46	175.47	175.47	175.45	175.36	175.27	175.25
22	175.19	175.28	175.15	175.37	175.39	175.45	175.47	175.47	175.44	175.35	175.29	175.25
23	175.16	175.24	175.15	175.36	175.38	175.45	175.47	175.47	175.44	175.42	175.30	175.26
24	175.15	175.27	175.16	175.34	175.37	175.44	175.48	175.48	175.44	175.33	175.33	175.26*
25	175.22	175.30	175.17	175.34	175.36	175.45	175.49	175.48	175.44	175.31	175.31	/
26	175.24	175.43	175.16	175.35	175.43	175.45	175.48	175.47	175.43	175.31	175.45	/
27	175.23	175.42	175.16	175.35	175.44	175.46	175.47	175.47	175.42	175.34	175.34	/
28	175.25	175.34	175.16	175.34	175.45	175.46	175.47	175.48	175.42	175.32	175.36	/
29	175.28		175.15	175.35	175.44	175.47	175.47	175.49	175.41	175.32	175.36	/
30	175.27		175.17	175.40	175.44	175.49	175.48	175.48	175.41	175.31	175.38	/
31	175.27		175.19		175.44		175.48	175.48		175.31		/
MEAN	175.24	175.25	175.16	175.36	175.40	175.45	175.48	175.48	175.46	175.37	175.31	175.31
MAX.	175.48	175.48	175.30	175.56	175.48	175.60	175.59	175.60	175.56	175.52	175.62	175.48
	0748/05	1700/26	0115/01	0220/06	1615/15	1552/10	1525/11	0600/10	1230/10	1150/23	1342/26	1810/03
MIN.	175.06	175.12	175.08	175.17	175.29	175.35	175.40	175.39	175.36	175.23	175.17	175.20
	2157/01	1205/03	0945/04	0125/01	0425/25	0005/18	0042/08	0223/07	0255/11	0615/30	0235/16	1835/20

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 175.36

ANNUAL SUMMARY OF LEVELS, 1979

Station 4080: St. Clair S.P., St. Clair, Michigan on St. Clair River

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	175.96	Aug	175.57	Mar
Daily mean elevation:	176.02	15 Aug	175.49	4 Mar
Instant/hourly elevation:	176.06	1200/10 Sep	175.45	1500/4 Mar

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
175.99	18 Jan
175.80	10 Feb
175.64	31 Mar
175.88	16 Apr
175.92	26 May
175.96	30 Jun
175.97	16 Jul
176.02	15 Aug
176.00	14 Sep
175.91	7 Oct
175.83	30 Nov
175.90	25 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
175.54	1 Jan
175.58	23 Feb
175.49	4 Mar
175.65	1 Apr
175.78	7 May
175.86	7 Jun
175.92	30 Jul
175.94	23 Aug
175.86	29 Sep
175.72	31 Oct
175.71	19 Nov
175.69	21 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
176.00								2					176.00	2
175.95	2					1	15	17	10				175.95	47
175.90	5				2	14	16	12	11	1			175.90	108
175.85	7			3	8	15			9	10		6	175.85	166
175.80	4			7	18					14	6	7	175.80	222
175.75	3	11		6	3					5	18	9	175.75	277
175.70	2	6		6						1	6	6	175.70	304
175.65	5	7		7								3	175.65	326
175.60		3	4	1									175.60	334
175.55	2	1	14										175.55	351
175.50	1		6										175.50	358
175.45			1										175.45	359

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 4080: St. Clair S.P., St. Clair, Michigan on St. Clair River

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	175.54	175.79	175.60	175.65	175.81	175.88	175.97	175.95	175.94	175.88	175.74	175.80
2	175.57	175.76	175.56	175.66	175.80	175.89	175.97	175.98	175.95	175.88	175.82	175.80
3	175.56	175.70	175.52	175.68	175.81	175.89	175.96	175.96	175.98	175.88	175.79	175.81
4	175.70	175.66	175.49	175.68	175.85	175.88	175.96	175.95	175.96	175.89	175.80	175.82
5	175.81	175.76	175.55	175.69	175.84	175.88	175.97	175.97	175.96	175.87	175.77	175.76
6	175.79	175.70	175.56	175.84	175.81	175.88	175.96	175.98	175.98	175.88	175.79	175.78
7	175.85	175.68	175.57	175.75	175.78	175.86	175.95	175.95	175.99	175.91	175.79	175.78
8	175.88	175.76	175.58	175.70	175.80	175.89	175.94	175.97	175.96	175.87	175.81	175.82
9	175.85	175.78	175.56*	175.74	175.82	175.89	175.96	175.96	175.95	175.88	175.79	175.81
10	175.96	175.80	/	175.74	175.82	175.90	175.97	175.99	175.96	175.87	175.79	175.74
11	175.94	175.75	/	175.72	175.82	175.93	175.97	175.99	175.91	175.84	175.80	175.74
12	175.91	175.78	/	175.67	175.85	175.91	175.97	175.97	175.89	175.85	175.78	175.81
13	175.91	175.77	/	175.69	175.85	175.91	175.96	175.96	175.92	175.88	175.78	175.75
14	175.95	175.75	/	175.82	175.85	175.89	175.95	176.02	176.00	175.85	175.79	175.78
15	175.90	175.74	/	175.86	175.86	175.90	175.96	176.02	175.97	175.85	175.80	175.74
16	175.95	175.76	175.57*	175.88	175.85	175.90	175.97	175.98	175.94	175.81	175.76	175.83
17	175.90	175.77	175.55	175.86	175.83	175.91	175.96	175.96	175.93	175.82	175.80	175.79
18	175.99	175.77	175.54	175.85	175.83	175.93	175.95	175.96	175.97	175.81	175.75	175.77
19	175.88	175.73	175.53	175.83	175.83	175.91	175.95	175.95	175.95	175.78	175.71	175.73
20	175.86	175.65	175.56	175.80	175.85	175.87	175.94	175.95	175.92	175.80	175.75	175.70
21	175.90	175.62	175.57	175.78	175.85	175.89	175.94	175.96	175.93	175.81	175.74	175.69
22	175.87	175.65	175.56	175.79	175.86	175.93	175.94	175.94	175.93	175.79	175.72	175.70
23	175.75	175.58	175.55	175.78	175.85	175.95	175.93	175.94	175.90	175.82	175.76	175.72
24	175.73	175.67	175.58	175.75	175.89	175.93	175.92	175.95	175.88	175.85	175.78	175.77
25	175.84	175.69	175.62	175.75	175.91	175.92	175.93	175.96	175.90	175.83	175.77	175.90
26	175.77	175.75	175.62	175.78	175.92	175.91	175.96	175.95	175.89	175.82	175.78	175.86
27	175.76	175.74	175.61	175.81	175.90	175.92	175.93	175.95	175.86	175.77	175.81	175.89
28	175.70	175.67	175.56	175.79	175.90	175.92	175.94	175.96	175.88	175.81	175.82	175.89
29	175.67		175.59	175.81	175.90	175.92	175.95	175.95	175.86	175.81	175.81	175.88
30	175.67		175.58	175.82	175.88	175.96	175.92	175.98	175.87	175.78	175.83	175.86
31	175.67		175.64		175.88		175.95	175.95		175.72		175.83*
MEAN	175.81	175.72	175.57	175.77	175.85	175.90	175.95	175.96	175.93	175.84	175.78	175.79
MAX.	176.05	175.85	175.69	176.01	175.99	176.05	176.02	176.06	176.06	175.97	175.93	176.01
	1300/18	1200/10	0200/25	1400/06	0300/26	0300/11	1400/04	2400/14	1200/10	1500/07	2400/15	1100/25
MIN.	175.48	175.51	175.45	175.60	175.71	175.76	175.86	175.84	175.80	175.68	175.62	175.63
	0700/01	1700/23	1500/04	1500/12	0800/07	2300/01	1700/30	0200/07	2100/29	2300/31	1200/01	1300/21

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 175.82

ANNUAL SUMMARY OF LEVELS, 1979

Station 4084: Marysville, Michigan on St. Clair River

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	176.21	Aug	175.79	Mar
Daily mean elevation:	176.29	15 Aug	175.69	4 Mar
Instant/hourly elevation:	176.37	1830/7 Aug	175.63	1412/4 Mar

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.09	18 Jan
175.97	1 Feb
175.87	31 Mar
176.08	16 Apr
176.18	25 May
176.21	30 Jun
176.23	16 Jul
176.29	15 Aug
176.27	14 Sep
176.17	7 Oct
176.08	2 Nov
176.17	25 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
175.77	3 Jan
175.71	23 Feb
175.69	4 Mar
175.88	12 Apr
176.01	7 May
176.09	7 Jun
176.16	30 Jul
176.18	29 Aug
176.10	29 Sep
175.95	31 Oct
175.94	19 Nov
175.92	21 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
176.25								2	2				176.25	4
176.20						1	9	12	6				176.20	32
176.15					3	10	22	17	12	1		1	176.15	98
176.10					8	17			8	12		3	176.10	146
176.05	1			5	14	2			2	10	5	7	176.05	192
176.00	6			6	6					5	17	10	176.00	242
175.95	10	1		10						2	5	6	175.95	276
175.90	4	10		4						1	3	4	175.90	302
175.85	6	9	2	5									175.85	324
175.80	1	5	7										175.80	337
175.75	3	2	16										175.75	358
175.70		1	5										175.70	364
175.65			1										175.65	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 4084: Marysville, Michigan on St. Clair River

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	175.78	175.97	175.79	175.88	176.05	176.13	176.22	176.20	176.18	176.13	175.95	176.04
2	175.79	175.92	175.75	175.88	176.03	176.13	176.23	176.22	176.20	176.13	176.08	176.04
3	175.77	175.84	175.72	175.92	176.03	176.13	176.21	176.21	176.23	176.12	176.06	176.02
4	175.89	175.82	175.69	175.93	176.09	176.11	176.21	176.20	176.21	176.14	176.05	176.07
5	175.96	175.93	175.75	175.89	176.08	176.14	176.22	176.22	176.20	176.12	176.01	175.97
6	175.93	175.84	175.76	176.06	176.03	176.12	176.21	176.24	176.23	176.12	176.04	176.03
7	175.98	175.83	175.78	176.00	176.01	176.09	176.20	176.19	176.26	176.17	176.05	175.99
8	175.98	175.92	175.79	175.93	176.02	176.12	176.19	176.23	176.22	176.11	176.05	176.08
9	175.95	175.92	175.76	175.99	176.06	176.13	176.20	176.20	176.18	176.14	176.06	176.05
10	176.05	175.94	175.80	175.96	176.06	176.13	176.21	176.24	176.20	176.11	176.05	175.97
11	176.03	175.88	175.81	175.94	176.06	176.18	176.20	176.25	176.16	176.06	176.05	175.98
12	176.00	175.92	175.82	175.88	176.10	176.15	176.20	176.22	176.13	176.09	176.03	176.08
13	176.01	175.90	175.72	175.89	176.09	176.15	176.20	176.19	176.17	176.14	176.03	176.01
14	176.05	175.88	175.86	176.01	176.09	176.12	176.19	176.28	176.27	176.11	176.04	176.03
15	176.00	175.89	175.84	176.06	176.11	176.14	176.20	176.29	176.21	176.10	176.05	175.95
16	176.04	175.91	175.79	176.08	176.10	176.14	176.23	176.24*	176.18	176.06	175.99	176.11
17	176.00	175.91	175.78	176.06	176.06	176.16	176.22	176.20	176.17	176.06	176.05	176.04
18	176.09	175.91*	175.77	176.04	176.06	176.19	176.20	176.20	176.23	176.06	175.99	176.03
19	175.98	175.88	175.75	176.02	176.07	176.15	176.19	176.20	176.20	176.00	175.94	175.97
20	175.97	175.80	175.78	176.00	176.10	176.10	176.19	176.20	176.14	176.03	176.01	175.95
21	176.01	175.79	175.79	175.99	176.11	176.14	176.18	176.21	176.18	176.05	175.98	175.92
22	176.00	175.86*	175.79	176.00	176.11	176.18	176.19	176.18	176.19	176.02	175.96	175.93
23	175.88	175.71*	175.76	176.00	176.10	176.20	176.17	176.18	176.14	176.03	176.00	175.96
24	175.87	175.90*	175.80	175.98	176.16	176.18	176.16	176.19	176.12	176.11	176.01	176.02
25	175.99	175.87*	175.84	175.97	176.18	176.17	176.17	176.22	176.14	176.10	176.01	176.17
26	175.94	175.95*	175.85	176.00	176.16	176.14	176.20	176.20	176.14	176.08	175.95	176.09
27	175.91	175.88*	175.85	176.06	176.13	176.16	176.18	176.19	176.10	176.00	176.04	176.11
28	175.87	175.83*	175.77	176.03	176.13	176.16	176.18	176.20	176.11	176.06	176.06	176.11
29	175.86		175.81	176.04	176.13	176.17	176.20	176.18	176.10	176.07	176.04	176.10
30	175.85		175.79	176.03	176.12	176.21	176.16	176.23	176.12	176.02	176.06	176.09
31	175.86		175.87		176.11		176.20	176.20		175.95		176.06
MEAN	175.94	175.88	175.79	175.98	176.09	176.15	176.20	176.21	176.18	176.08	176.02	176.03
MAX.	176.17	176.01	176.02	176.28	176.25	176.35	176.27	176.37	176.33	176.26	176.22	176.33
	0720/18	2317/01	1830/14	0700/06	1608/15	0300/11	1800/31	1830/07	0625/14	0435/09	2340/15	1045/25
MIN.	175.70	175.67	175.63	175.73	175.95	175.95	176.08	175.97	176.04	175.88	175.77	175.83
	0645/01	1627/23	1412/04	0005/06	1635/07	1755/20	2325/30	0130/07	2345/11	2310/31	1030/26	2240/10

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 176.05

ANNUAL SUMMARY OF LEVELS, 1979

Station 4087: Dry Dock, Port Huron, Michigan on St. Clair River

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	176.37	Aug	175.93	Mar
Daily mean elevation:	176.47	15 Aug	175.82	4 Mar
Instant/hourly elevation:	176.52	2300/14 Aug	175.76	1400/4 Mar

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.18	18 Jan
176.10	1 Feb
176.03	31 Mar
176.24	6 Apr
176.36	25 May
176.37	30 Jun
176.39	16 Jul
176.47	15 Aug
176.44	14 Sep
176.33	7 Oct
176.23	2 Nov
176.35	25 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
175.91	3 Jan
175.87	23 Feb
175.82	4 Mar
175.99	12 Apr
176.14	7 May
176.24	7 Jun
176.31	30 Jul
176.33	29 Aug
176.25	29 Sep
176.09	31 Oct
176.05	26 Nov
176.07	21 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
176.45								1					176.45	1
176.40								2	2				176.40	5
176.35					1	3	6	16	7				176.35	38
176.30					2	9	17	12	10	1		1	176.30	90
176.25					10	16			8	13		3	176.25	140
176.20				3	9	2			1	6	6	7	176.20	174
176.15	1			8	8					6	14	10	176.15	221
176.10	5			8	1					4	6	6	176.10	251
176.05	11	2		6						1	3	4	176.05	278
176.00	5	12	5	4							1		176.00	305
175.95	6	6	4	1									175.95	322
175.90	3	6	15										175.90	346
175.85		2	4										175.85	352
175.80			3										175.80	355

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 4087: Dry Dock, Port Huron, Michigan on St. Clair River

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	175.94	176.10	175.92	176.03	176.20	176.27	176.37*	176.36	176.33	176.28	176.08	176.20
2	175.94	176.04	175.88	176.02	176.17	176.28	/	176.37	176.35	176.27	176.23	176.21
3	175.91	175.95	175.85	176.07	176.17	176.27	/	176.36	176.39	176.27	176.21	176.17
4	176.03	175.93	175.82	176.08	176.24	176.26	/	176.35	176.36	176.29	176.20	176.24
5	176.08	176.06	175.90	176.03	176.23	176.29	/	176.36	176.36	176.27	176.15	176.10
6	176.03	175.94	175.91	176.24	176.17	176.27	/	176.40	176.38	176.27	176.20	176.18
7	176.09	175.94	175.93	176.16	176.14	176.24	/	176.34	176.42	176.33	176.20	176.12
8	176.07	176.05	175.94	176.07	176.16	176.27	/	176.38	176.38	176.26	176.17*	176.24
9	176.04	176.03	175.91	176.14	176.20	176.27	/	176.36	176.33	176.30	176.22	176.20
10	176.14	176.05	175.94	176.10	176.21	176.26	176.36*	176.38	176.35	176.27	176.20	176.12
11	176.11	175.98	175.96	176.08	176.20	176.35	176.35	176.42	176.30	176.19	176.20	176.11
12	176.08	176.02	175.98	175.99	176.24	176.31	176.35	176.38	176.28	176.23	176.18	176.24
13	176.10	176.01	175.85	176.03	176.23	176.30	176.35	176.34	176.32	176.30	176.19	176.16
14	176.14	175.98	176.03	176.14	176.23	176.27	176.33	176.45	176.44	176.27	176.19	176.19
15	176.10	176.00	176.01	176.19	176.26	176.28	176.35	176.47	176.37	176.24	176.20	176.09
16	176.13	176.02	175.94	176.21	176.26	176.29	176.39	176.39	176.33	176.20	176.14	176.28
17	176.07	176.01	175.92	176.18	176.21	176.32	176.38	176.35	176.32	176.21	176.21	176.20
18	176.18	176.01	175.91	176.19	176.20	176.36	176.36	176.35	176.39	176.20	176.13	176.18
19	176.06	175.98	175.88	176.16	176.21	176.30	176.34	176.35	176.35	176.13	176.09	176.11
20	176.05	175.91	175.92	176.14	176.24	176.25	176.34	176.36	176.29	176.17	176.16	176.11
21	176.10	175.90	175.93	176.13	176.27	176.28	176.33	176.37	176.35	176.18	176.13	176.07
22	176.10	175.97	175.93	176.14	176.27	176.34	176.34	176.34	176.35	176.15	176.10	176.08
23	175.97	175.87	175.90	176.13	176.26	176.36	176.32	176.33	176.30	176.15	176.15	176.11
24	175.97	176.02	175.93	176.12	176.33	176.34	176.31	176.34	176.27	176.27	176.16	176.17
25	176.12	176.03	175.99	176.10	176.36*	176.32	176.31	176.38	176.28*	176.27	176.15	176.35
26	176.06	176.03	176.01	176.14	176.32	176.29	176.36	176.35	/	176.24	176.05	176.24
27	176.03	176.00	176.02	176.21	176.28	176.31	176.33	176.34	/	176.14	176.19	176.26
28	175.99	175.95	175.91	176.17	176.28	176.31	176.33	176.36	176.26*	176.22	176.21	176.26
29	175.99		175.96	176.18	176.28	176.32	176.35	176.33	176.25	176.23	176.19	176.24
30	175.99		175.94	176.16	176.26	176.37	176.31	176.38	176.27	176.17	176.22	176.24
31	175.99		176.03		176.26		176.35	176.36		176.09		176.20
MEAN	176.05	175.99	175.93	176.12	176.24	176.30	176.34	176.37	176.33	176.23	176.17	176.18
MAX.	176.25	176.13	176.19	176.43	176.43	176.52	176.42	176.52	176.52	176.41	176.38	176.51
	0700/18	2300/01	2000/14	1200/06	0900/25	0300/11	1000/16	2300/14	0600/14	0500/09	2400/15	1000/25
MIN.	175.85	175.79	175.76	175.86	176.10	176.18	176.24	176.15	176.17	176.00	175.91	175.94
	2000/03	1000/23	1400/04	1500/12	0100/07	0300/21	2300/30	0900/07	1100/20	2300/31	1000/26	2300/10

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 176.19

ANNUAL SUMMARY OF LEVELS, 1979

Station 4090: Mouth of Black River, Port Huron, Michigan on St. Clair River

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	176.49	Aug	176.04	Mar
Daily mean elevation:	176.60	15 Aug	175.91	4 Mar
Instant/hourly elevation:	176.68	1520/16 Dec	175.84	1440/4 Mar

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.22	18 Jan
176.16	1 Feb
176.15	31 Mar
176.34	27 Apr
176.49	25 May
176.49	30 Jun
176.51	16 Jul
176.60	15 Aug
176.56	14 Sep
176.45	7 Oct
176.34	2 Nov
176.45	25 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.00	3 Jan
175.94	23 Feb
175.91	4 Mar
176.10	12 Apr
176.25	7 May
176.37	20 Jun
176.42	30 Jul
176.45	23 Aug
176.37	29 Sep
176.19	31 Oct
176.13	26 Nov
176.17	21 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
176.55								2	1				176.55	3
176.50							1	6	4				176.50	14
176.45					2	5	21	21	9				176.45	72
176.40					1	10	9	2	9	3		1	176.40	107
176.35					13	3			7	13		5	176.35	148
176.30				3	10					6	11	8	176.30	186
176.25				10	4					5	12	6	176.25	223
176.20	2			7	1					3	3	7	176.20	246
176.15	5	1		5						1	3	4	176.15	265
176.10	10	4	5	4							1		176.10	289
176.05	6	11	4	1									176.05	311
176.00	7	7	15										176.00	340
175.95	1	4	4										175.95	349
175.90		1	3										175.90	353

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 4090: Mouth of Black River, Port Huron, Michigan on St. Clair River

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	176.05	176.16	176.01	176.15	176.31	/	176.50	176.48	176.44	176.40	176.18	176.31
2	176.04	176.06*	175.98	176.12	176.27	/	176.50	176.49	176.46	176.38	176.34	176.31
3	176.00	176.01	175.95	176.18	176.29	/	176.49	176.48	176.51	176.38	176.32	176.25
4	176.13	176.00	175.91	176.20	176.36	/	176.48	176.46	176.48	176.40	176.31	176.35
5	176.16	176.13	176.00	176.12	176.34	/	176.50	176.49	176.48	176.39	176.26	176.19
6	176.10	176.00	176.01	176.33	176.28	/	176.48	176.52	176.51	176.39	176.31	176.29
7	176.17	176.01	176.04	176.27	176.25	/	176.46	176.46	176.55	176.45	176.31	176.23
8	176.13	176.12	176.05	176.18	176.27	/	176.46	176.51	176.50	176.38	176.29	176.36
9	176.09	176.06*	176.01	176.25	176.32	/	176.46	176.49	176.45	176.42	176.33	176.31
10	176.21*	176.10	176.04	176.20	176.33	/	176.47	176.51	176.48	176.38	176.31	176.22
11	176.14*	176.03	176.06	176.18	176.32	/	176.47	176.54	176.43	176.29	176.31	176.21
12	176.12	176.08	176.08	176.10	176.37	/	176.47	176.50	176.40	176.35	176.30	176.36
13	176.13	176.07	175.95	176.13	176.35	176.42*	176.47	176.45	176.44	176.42	176.30	176.27
14	176.18	176.05	176.13	176.25	176.35	176.39	176.46	176.58	176.56	176.38	176.30	176.30
15	176.14	176.08	176.12	176.29	176.38	176.41	176.48	176.60	176.49	176.36	176.30	176.19
16	176.17*	176.10	176.04	176.32	176.38	176.42	176.51	176.51	176.45	176.31	176.24	176.40
17	176.11	176.09	176.02	176.30	176.32	176.45	176.50	176.46	176.44	176.32	176.31	176.31
18	176.22	176.09	176.01	176.29	176.32	176.49	176.48	176.47	176.51	176.31	176.24	176.28
19	176.10	176.05	175.99	176.26	176.33	176.42	176.45	176.49	176.47	176.24	176.19	176.21
20	176.10	175.98	176.02	176.24	176.36	176.37	176.45	176.47	176.40	176.28	176.27	176.21
21	176.15	175.97	176.04	176.24	176.39	176.40	176.44	176.49	176.46	176.29	176.23	176.17
22	176.14	176.05	176.04	176.26	176.39	176.47	176.46	176.46	176.48	176.26	176.20	176.18
23	176.02	175.94	176.00	176.25	176.37	176.49	176.43	176.45	176.42	176.25	176.26	176.22
24	176.01	176.11	176.04	176.24	176.46	176.46	176.42	176.46	176.38	176.40	176.27	176.26*
25	176.17	176.13	176.10	176.21	176.49	176.45	176.42	176.50	176.41	176.39	176.27	176.45*
26	176.11	176.10	176.13	176.26	176.45	176.41	176.49	176.48	176.41	176.37	176.13	176.35
27	176.08	176.06	176.13	176.34	176.39	176.44	176.45	176.46	176.37	176.25	176.29	176.37
28	176.04	176.02	176.01	176.30	176.39	176.43	176.45	176.49	176.38	176.33	176.31	176.36
29	176.04		176.06	176.30	176.39	176.44	176.47	176.46	176.37	176.34	176.30	176.35
30	176.05		176.05	176.27	176.38	176.49	176.42	176.51	176.39	176.28	176.32	176.34
31	176.06		176.15		176.38		176.47	176.48		176.19		176.30
MEAN	176.11	176.06	176.04	176.23	176.35	176.44	176.47	176.49	176.45	176.34	176.28	176.29
MAX.	176.31	176.21	176.32	176.57	176.55	176.60	176.57	176.67	176.67	176.59	176.55	176.68
	0725/18	2320/01	2005/14	1155/06	1435/25	1914/17	1445/02	0225/07	2310/18	0410/09	2315/15	1520/16
MIN.	175.92	175.85	175.84	175.89	176.17	176.21	176.34	176.18	176.27	176.09	175.92	176.01
	2030/03	1155/23	1440/04	0322/06	0720/03	1757/20	0450/25	0120/07	1055/20	2240/31	1007/26	2245/10

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 176.30

ANNUAL SUMMARY OF LEVELS, 1979

Station 4096: Dunn Paper Co., Port Huron, Michigan on St. Clair River

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	176.63	Aug	176.16	Mar
Daily mean elevation:	176.78	15 Aug	176.03	4 Mar
Instant/hourly elevation:	176.90	1505/16 Dec	175.92	0255/6 Apr

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.31	18 Jan
176.28	1 Feb
176.28	31 Mar
176.47	27 Apr
176.65	25 May
176.65	23 Jun
176.66	16 Jul
176.78	15 Aug
176.58	2 Sep
	Oct
	Nov
176.58	16 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.12	23 Jan
176.06	23 Feb
176.03	4 Mar
176.19	12 Apr
176.39	7 May
176.51	20 Jun
176.55	25 Jul
176.56	7 Aug
176.58	2 Sep
	Oct
	Nov
176.32	21 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
176.75								1					176.75	1
176.70								1					176.70	2
176.65							2	3					176.65	7
176.60					2	5	15	16					176.60	45
176.55					1	8	12	8	2			1	176.55	77
176.50					9	5	2						176.50	93
176.45				1	8							6	176.45	108
176.40				6	7							3	176.40	124
176.35				12	1							3	176.35	140
176.30	1			6								3	176.30	150
176.25	3	2	5	1									176.25	161
176.20	11	4	2	3									176.20	181
176.15	13	11	10	1									176.15	216
176.10	3	7	10										176.10	236
176.05		4	3										176.05	243
176.00			1										176.00	244

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 4096: Dunn Paper Co., Port Huron, Michigan on St. Clair River

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	176.19	176.28	176.13	176.29	176.45	/	176.65	176.62	176.58	/	/	/
2	176.17	176.20	176.10	176.24	176.42	/	176.66	176.62	176.58*	/	/	/
3	176.12	176.11	176.07	176.31	176.42	/	176.64	176.61	/	/	/	/
4	176.24	176.11	176.03	176.32	176.50	/	176.63	176.60	/	/	/	/
5	176.25	176.24	176.11	176.24	176.49	/	176.65	176.61	/	/	/	/
6	176.17	176.10	176.12	176.45	176.42	/	176.63	176.66	/	/	/	/
7	176.24	176.12	176.16	176.42	176.39	/	176.61	176.56	/	/	/	/
8	176.20	176.22	176.17	176.32	176.41	/	176.60	176.63	/	/	/	/
9	176.16	176.18	176.13	176.38	176.47	/	176.60	176.60	/	/	/	/
10	176.26	176.21	176.16	176.33	176.45*	/	176.61	176.64	/	/	/	/
11	176.23	176.14	176.19	176.31	176.44*	/	176.61	176.68	/	/	/	/
12	176.20	176.18	176.21	176.19	176.51*	/	176.61	176.63	/	/	/	/
13	176.22	176.17	176.06	176.25	176.50	176.55*	176.61	176.57	/	/	/	/
14	176.26	176.15	176.26	176.36	176.49	176.52	176.60	176.73	/	/	/	176.47*
15	176.21	176.17	176.26	176.40	176.53	176.54	176.61	176.78*	/	/	/	176.32
16	176.24	176.19	176.17	176.43	176.52	176.56	176.66	/	/	/	/	176.58
17	176.18	176.18	176.15	176.40	176.47	176.59	176.65	/	/	/	/	176.48
18	176.31	176.17	176.14	176.41	176.47	176.64	176.62	176.63*	/	/	/	176.45
19	176.17	176.14	176.11	176.38	176.48	176.58	176.60	176.63	/	/	/	176.37
20	176.17	176.08	176.13	176.36	176.51	176.51	176.60	176.62	/	/	/	176.38
21	176.24	176.07	176.16	176.36	176.55	176.53	176.59	176.63	/	/	/	176.32
22	176.24	176.17	176.16	176.38	176.53	176.62	176.60	176.60	/	/	/	176.33
23	176.12	176.06	176.12	176.38	176.52	176.65	176.58	176.59	/	/	/	176.37
24	176.14	176.24	176.16	176.36	176.61	176.63	176.55	176.60	/	/	/	176.42*
25	176.30	176.26	176.22	176.34	176.65	176.60	176.55	176.64	/	/	/	/
26	176.24	176.20	176.26	176.38	176.59	176.56	176.63	176.62	/	/	/	/
27	176.21	176.17	176.27	176.47	176.54	176.58	176.59	176.61	/	/	/	176.50*
28	176.19	176.13	176.13	176.43	176.54*	176.59	176.60	176.63	/	/	/	176.50
29	176.19		176.20	176.44	/	176.59	176.62	176.59	/	/	/	176.49
30	176.19		176.16	176.39	/	176.64	176.56	176.66	/	/	/	176.48
31	176.20		176.28		/		176.60	176.63		/		176.44
MEAN	176.21	176.17	176.16	176.36	176.50	176.58	176.61	176.63	176.58	/	/	176.43
MAX.	176.40	176.42	176.49	176.74	176.77	176.77	176.70	176.79	176.64			176.90
	0705/18	1825/25	1955/14	1140/06	1432/25	1915/17	1040/05	2330/14	0900/01			1505/16
MIN.	175.94	175.93	175.93	175.92	176.26	176.36	176.49	176.38	176.51			176.14
	0610/09	0950/21	1415/04	0255/06	1455/07	1200/15	2315/30	0930/07	0200/01			1120/15

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 176.42

ANNUAL SUMMARY OF LEVELS, 1979

Station 4098: Fort Gratiot, Port Huron, Michigan on St. Clair River

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	176.73	Jun	176.26	Feb
Daily mean elevation:	176.83	24 Jun	176.14	6 Feb
Instant/hourly elevation:	176.90	0300/26 May	175.97	0300/6 Apr

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.39	25 Jan
176.38	25 Feb
176.41	27 Mar
176.61	27 Apr
176.81	25 May
176.83	24 Jun
	Jul
	Aug
	Sep
	Oct
	Nov
	Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.19	23 Jan
176.14	6 Feb
176.21	4 Mar
176.31	12 Apr
176.51	7 May
176.66	10 Jun
	Jul
	Aug
	Sep
	Oct
	Nov
	Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
176.80					1	4						
176.75					1	3						
176.70					2	10						
176.65					9	13						
176.60				1	6							
176.55				4	8							
176.50				8	4							
176.45				9								
176.40			1	4								
176.35	2	2	4	3								
176.30	11	4	10	1								
176.25	12	10	11									
176.20	4	8	5									
176.15	2	2										
176.10		2										

Elev. (m.)	No. of days above elev.
176.80	5
176.75	9
176.70	21
176.65	43
176.60	50
176.55	62
176.50	74
176.45	83
176.40	88
176.35	99
176.30	125
176.25	158
176.20	175
176.15	179
176.10	181

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 4098: Fort Gratiot, Port Huron, Michigan on St. Clair River

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	176.29	176.33	176.25*	176.43	176.58	176.67	/	/	/	/	/	/
2	176.34	176.33	176.24*	176.38	176.58	176.69	/	/	/	/	/	/
3	176.31	176.25	176.23*	176.41	176.55	176.68	/	/	/	/	/	/
4	176.29	176.21	176.21*	176.47	176.63	176.67	/	/	/	/	/	/
5	176.34	176.26*	176.24*	176.36	176.64	176.69	/	/	/	/	/	/
6	176.32	176.14*	176.26*	176.57	176.54	176.71	/	/	/	/	/	/
7	176.31	176.20	176.29	176.56	176.51	176.67	/	/	/	/	/	/
8	176.31	176.29	176.31*	176.46	176.53	176.66	/	/	/	/	/	/
9	176.19	176.30	176.31*	176.54	176.59	176.68	/	/	/	/	/	/
10	176.27	176.27	176.30*	176.46	176.60	176.66	/	/	/	/	/	/
11	176.31	176.26	176.31*	176.43	176.59	176.74	/	/	/	/	/	/
12	176.29	176.24	176.34*	176.31	176.64	176.77	/	/	/	/	/	/
13	176.28	176.24	176.31	176.36	176.67	176.74	/	/	/	/	/	/
14	176.31	176.22	176.29	176.47	176.64	176.71	/	/	/	/	/	/
15	176.29	176.25	176.37*	176.51	176.65	176.68	/	/	/	/	/	/
16	176.30	176.27	176.37*	176.55	176.67	176.70	/	/	/	/	/	/
17	176.25	176.28	176.34	176.52	176.59	176.70	/	/	/	/	/	/
18	176.37	176.27	176.32*	176.53	176.59	176.83	/	/	/	/	/	/
19	176.23	176.25	176.28*	176.49	176.60	176.83	/	/	/	/	/	/
20	176.24	176.21	176.28	176.47	176.64	176.75	/	/	/	/	/	/
21	176.31	176.16	176.29	176.48	176.69	176.69	/	/	/	/	/	/
22	176.31	176.27	176.31*	176.52	176.70	176.71	/	/	/	/	/	/
23	176.19	176.15	176.26	176.50	176.67	176.79	/	/	/	/	/	/
24	176.22	176.35	176.28	176.48	176.76	176.83	/	/	/	/	/	/
25	176.39	176.38	176.35	176.45	176.81	176.82	/	/	/	/	/	/
26	176.32	176.36	176.38	176.51	176.75	176.77	/	/	/	/	/	/
27	176.29	176.32	176.41	176.61	176.71	176.73	/	/	/	/	/	/
28	176.27	176.27	176.26	176.59	176.69	176.74	/	/	/	/	/	/
29	176.27		176.31	176.58	176.69	176.73	/	/	/	/	/	/
30	176.29		176.28	176.54	176.68	176.75	/	/	/	/	/	/
31	176.29		176.39		176.67		/	/		/		/
MEAN	176.29	176.26	176.30	176.48	176.64	176.73	/	/	/	/	/	/
MAX.	176.47	176.50	176.45	176.85	176.90	176.86						
	0700/18	0900/24	2000/31	1200/06	0300/26	0100/19						
MIN.	176.13	176.01	176.21	175.97	176.45	176.64						
	2400/23	1000/21	0500/20	0300/06	1600/07	2200/10						

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 176.45

ANNUAL SUMMARY OF LEVELS, 1979
Station 5002: Lakeport, Michigan on Lake Huron

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	176.80	Aug	176.28	Feb
Daily mean elevation:	176.94	15 Aug	176.17	23 Feb
Instant/hourly elevation:	177.02	0300/15 Aug	175.97	0300/6 Apr

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.45	25 Jan
176.44	1 Feb
176.45	31 Mar
176.63	27 Apr
176.83	25 May
176.82	23 Jun
176.84	2 Jul
176.94	15 Aug
176.90	14 Sep
176.78	7 Oct
176.68	9 Nov
176.78	25 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.22	23 Jan
176.17	23 Feb
176.21	13 Mar
176.36	12 Apr
176.55	7 May
176.65	7 Jun
176.72	30 Jul
176.74	29 Aug
176.67	29 Sep
176.49	31 Oct
176.36	26 Nov
176.48	21 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
176.90								2					176.90	2
176.85								1	2				176.85	5
176.80					1	2	8	8	4				176.80	28
176.75					2	5	18	17	7	1		1	176.75	79
176.70					1	11	5	3	10	6		1	176.70	116
176.65					14	11			6	10	3	4	176.65	164
176.60				1	8	1				5	15	12	176.60	206
176.55				5	4					5	7	3	176.55	230
176.50				9	1					3	3	6	176.50	252
176.45				10						1	1	4	176.45	268
176.40	1	2	5	1									176.40	277
176.35	7	2	3	4							1		176.35	294
176.30	9	4	8										176.30	315
176.25	7	10	10										176.25	342
176.20	6	7	2										176.20	357
176.15		3											176.15	360

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 5002: Lakeport, Michigan on Lake Huron

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	176.34	176.44	/	176.44	176.62	176.69	176.82	176.80	176.75	176.71	176.46	176.64
2	176.33	176.35	176.26*	176.39	176.58	176.70	176.84	176.80	176.75*	176.70	176.67	176.64
3	176.25	176.25	/	176.47	176.57	176.70	176.81	176.79	/	176.69	176.65	176.57
4	176.36	176.27	/	176.49	176.68	176.67	176.81	176.77	176.79*	176.72	176.64	176.68
5	176.35	176.37	176.25*	176.39	176.66	176.74	176.83	176.80	176.79	176.68	176.58	176.48
6	176.25	176.21	176.26	176.56	176.57	176.68	176.81	176.84	176.83	176.69	176.63	176.61
7	176.32	176.24	176.30	176.59	176.55	176.65	176.78	176.76	176.87	176.78	176.63	176.53
8	176.26	176.33*	176.31	176.49	176.56	176.70	176.78	176.82	176.82	176.70	176.60	176.68
9	176.24	176.25*	176.27	176.55	176.63	176.70	176.77	176.78	176.76	176.73	176.68	176.63
10	176.32	176.32	176.30	176.49	176.64	176.67	176.79	176.82	176.78	176.70	176.64	176.53
11	176.28	176.23	176.34	176.46	176.63	176.80	176.77	176.88	176.74	176.58	176.65	176.52
12	176.26	176.27	176.36	176.36	176.69	176.75	176.77	176.82	176.69	176.65	176.63	176.70
13	176.29	176.26	176.21	176.38	176.67	176.73	176.77	176.75	176.75	176.73	176.63	176.59
14	176.33	176.24	176.42	176.48	176.65	176.68	176.76	176.92	176.90	176.70	176.63	176.63
15	176.29	176.27	176.42	176.52	176.70	176.71	176.78	176.94	176.81	176.68	176.63	176.49
16	176.31	176.30	176.33	176.57	176.69	176.71	176.83	176.83	176.75	176.63	176.55	176.74
17	176.26	176.28	176.31	176.54	176.63	176.75	176.82	176.76	176.74	176.64	176.66	176.64
18	176.38	176.27	176.29	176.55	176.63	176.80	176.80	176.78	176.83	176.62	176.56	176.62
19	176.25	176.24	176.28	176.51	176.64	176.74	176.77	176.80	176.79	176.52	176.51	176.55
20	176.31	176.18	176.30	176.50	176.69	176.66	176.76	176.80	176.70	176.58	176.61	176.53
21	176.24*	176.19	176.34	176.49	176.73	176.70	176.76	176.81	176.78	176.59	176.57	176.48
22	/	176.29	176.34	176.54	176.70	176.79	176.77	176.77	176.79	176.57	176.51	176.49
23	176.22*	176.17	176.27	176.52	176.70	176.82	176.74	176.75	176.73	176.52	176.58	176.53
24	176.27	176.38	176.31	176.50	176.79	176.80	176.72	176.77	176.68	176.74	176.58	176.61
25	176.45	176.42	176.37	176.49	176.83	176.77	176.72	176.81	176.71	176.72	176.60	176.78
26	176.39	176.33*	176.42	176.54	176.76	176.73	176.80	176.79	176.72	176.69	176.36	176.63
27	176.33	176.28	176.42	176.63	176.70	176.75	176.75	176.77	176.67	176.55	176.62	176.66
28	176.38	176.26	176.28	176.60	176.70	176.74	176.76	176.79	176.69	176.65	176.63	176.65
29	176.40		176.37	176.60	176.70	176.74	176.79	176.74	176.67	176.67	176.61	176.63
30	176.38		176.31	176.54	176.69	176.81	176.72	176.82	176.71	176.60	176.63	176.63
31	176.39		176.45		176.68		176.77	176.78		176.49		176.59
MEAN	176.31	176.28	176.32	176.51	176.67	176.73	176.78	176.80	176.76	176.65	176.60	176.60
MAX.	176.52	176.52	176.65	176.89	176.88	176.99	176.89	177.02	177.00	176.87	176.87	176.99
	2300/25	1800/25	1900/14	1200/06	1400/25	0200/11	1000/05	0300/15	0600/14	0400/09	2300/15	1000/25
MIN.	176.13	176.05	176.13	175.97	176.48	176.47	176.60	176.55	176.58	176.38	176.13	176.27
	0500/09	1600/23	1000/13	0300/06	0500/03	2200/20	2300/30	0100/07	1000/20	2200/31	1400/26	1100/09

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 176.58

ANNUAL SUMMARY OF LEVELS, 1979

Station 5035: Essexville, Michigan on Lake Huron (Saginaw Bay)

INTERNATIONAL GREAT LAKES DATUM (1955)

HIGHEST

Monthly mean elevation:	176.79	Aug
Daily mean elevation:	177.06	25 May
Instant/hourly elevation:	177.30	1200/24 May

LOWEST

Monthly mean elevation:	176.27	Feb
Daily mean elevation:	176.16	26 Nov
Instant/hourly elevation:	175.52	0400/6 Apr

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.35	26 Jan
176.33	1 Feb
176.44	31 Mar
176.67	27 Apr
177.06	25 May
176.92	18 Jun
176.89	16 Jul
176.95	15 Aug
176.88	7 Sep
176.86	2 Oct
176.72	9 Nov
176.88	25 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.17	3 Jan
176.20	4 Feb
176.23	4 Mar
176.19	6 Apr
176.56	7 May
176.59	10 Jun
176.68	30 Jul
176.61	13 Aug
176.59	20 Sep
176.37	23 Oct
176.16	26 Nov
176.22	3 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
177.05					1								177.05	1
177.00													177.00	1
176.95													176.95	1
176.90					1	2		1					176.90	5
176.85							1	4	3	1		1	176.85	15
176.80						3	7	9	2			1	176.80	37
176.75					2	8	15	10	8	1		1	176.75	82
176.70					5	6	5	3	7	3	1	1	176.70	113
176.65				1	9	4	3	3	8	8		1	176.65	150
176.60				2	9	6		1	1	8	3	3	176.60	183
176.55				5	4	1			1	3	15	10	176.55	222
176.50				11						6	6	6	176.50	251
176.45				5							1	4	176.45	261
176.40			1	3							2	1	176.40	268
176.35			5	1						1			176.35	275
176.30	12	3	15	1								1	176.30	307
176.25	13	13	9								1		176.25	343
176.20	3	2	1									1	176.20	350
176.15	3	1		1							1		176.15	356

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 5035: Essexville, Michigan on Lake Huron (Saginaw Bay)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	176.32	176.33	176.27	176.50	176.62	176.70	176.84	176.87	176.73	176.78	176.29	176.75
2	176.27	176.32	176.27	176.37	176.61	176.69	176.84	176.79	176.72	176.86	176.56	176.59
3	176.17	176.26	176.26	176.45	176.60	176.69	176.81	176.76	176.86	176.65	176.56	176.22
4	176.27	176.20	176.23	176.53	176.70	176.65	176.83	176.75	176.80	176.73	176.60	176.60
5	176.31	176.31*	176.26	176.33	176.68	176.77	176.84	176.81	176.77	176.66	176.55	176.42
6	176.19	176.27	176.27	176.19	176.63	176.73	176.80	176.86	176.80	176.65	176.65	176.56
7	176.30	176.24	176.33	176.56	176.56	176.64	176.77	176.69	176.88	176.70	176.56	176.47
8	176.23	176.30	176.31	176.57	176.58	176.72	176.78	176.82	176.84	176.69	176.44	176.60
9	176.19	176.26	176.31	176.60	176.65	176.74	176.79	176.80	176.68	176.75	176.72	176.46
10	176.30	176.28	176.27	176.50	176.66	176.59	176.80	176.83	176.75	176.68	176.62	176.54
11	176.27	176.25	176.32	176.51	176.63	176.84	176.76	176.90	176.75	176.52	176.60	176.49
12	176.27	176.27	176.33	176.45	176.70	176.77	176.77	176.82	176.69	176.54	176.57	176.70
13	176.33	176.27	176.27	176.41	176.65	176.74	176.77	176.61	176.77	176.67	176.59	176.58
14	176.26	176.26	176.32	176.48	176.65	176.65	176.74	176.86	176.87	176.64	176.60	176.56
15	176.25	176.27	176.36	176.51	176.72	176.65	176.76	176.95	176.76	176.64	176.58	176.34
16	176.30	176.27	176.29	176.56	176.70	176.71	176.89	176.82	176.73	176.64	176.44	176.76
17	176.24	176.27*	176.32	176.53	176.59	176.74	176.83	176.69	176.67	176.64	176.59	176.49
18	176.34	/	176.31	176.56	176.62	176.92	176.78	176.78	176.76	176.65	176.56	176.59
19	176.29	/	176.30	176.52	176.64	176.76	176.75	176.80	176.80	176.51	176.51	176.54
20	176.27	/	176.31	176.50	176.69	176.63	176.76	176.81	176.59	176.58	176.58	176.54
21	176.29	/	176.33	176.51	176.75	176.63	176.74	176.84	176.77	176.58	176.61	176.53
22	176.31	/	176.35	176.54	176.74	176.78	176.76	176.77	176.83	176.55	176.56	176.52
23	176.30	/	176.31	176.55	176.78	176.83	176.74	176.75	176.73	176.37	176.53	176.55
24	176.29	/	176.35	176.52	176.95	176.82	176.69	176.68	176.66	176.69	176.52	176.82
25	176.31	/	176.38	176.48	177.06	176.78	176.68	176.78	176.68	176.73	176.60	176.88
26	176.35	/	176.38	176.55	176.78	176.67	176.81	176.80	176.71	176.67	176.16	176.61
27	176.31	176.27*	176.40	176.67	176.70	176.77	176.75	176.77	176.65	176.55	176.48	176.62
28	176.32	176.27	176.33	176.61	176.71	176.76	176.76	176.81	176.67	176.59	176.53	176.60
29	176.34		176.38	176.61	176.72	176.78	176.78	176.71	176.67	176.67	176.52	176.59
30	176.34		176.35	176.53	176.70	176.91	176.68	176.81	176.70	176.63	176.56	176.61
31	176.31		176.44		176.70		176.79	176.79		176.53		176.56
MEAN	176.29	176.27	176.32	176.51	176.69	176.74	176.78	176.79	176.74	176.64	176.54	176.57
MAX.	176.45	176.37	176.52	176.81	177.30	177.07	177.04	177.05	177.16	176.99	176.83	177.29
	0100/01	1500/08	1900/31	0300/09	1200/24	0300/11	2000/16	0200/15	1900/10	0300/09	2200/09	0300/25
MIN.	176.04	176.10	176.16	175.52	176.50	176.35	176.60	176.34	176.38	176.09	175.65	175.99
	0300/09	1300/04	1800/04	0400/06	0600/07	2100/10	2400/30	0900/07	1300/20	1200/23	1700/26	1200/09

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 176.57

ANNUAL SUMMARY OF LEVELS, 1979
Station 5059: Harrisville, Michigan on Lake Huron

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	176.76	Aug	176.23	Feb
Daily mean elevation:	176.83	15 Aug	176.19	23 Feb
Instant/hourly elevation:	176.87	0005/15 Aug	176.12	1340/23 Feb

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.36	4 Jan
176.30	5 Feb
176.38	31 Mar
176.57	27 Apr
176.69	26 May
176.76	23 Jun
176.77	6 Jul
176.83	15 Aug
176.77	7 Sep
176.68	7 Oct
176.66	2 Nov
176.66	4 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.22	24 Jan
176.19	23 Feb
176.22	20 Mar
176.32	12 Apr
176.54	3 May
176.63	7 Jun
176.71	25 Jul
176.73	22 Aug
176.65	27 Sep
176.51	31 Oct
176.49	26 Nov
176.50	22 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
176.80								1					176.80	1
176.75						1	5	17	7				176.75	31
176.70						9	26	13	12				176.70	91
176.65					9	15			10	6	1	1	176.65	133
176.60					16	5			1	15	8	2	176.60	180
176.55				2	3					9	14	21	176.55	229
176.50				4	3					1	6	6	176.50	249
176.45				10							1	1	176.45	261
176.40				6									176.40	267
176.35	1		2	7									176.35	277
176.30	3		6	1									176.30	287
176.25	14	4	13										176.25	318
176.20	9	20	10										176.20	357
176.15		4											176.15	361

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 5059: Harrisville, Michigan on Lake Huron

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	176.26	176.28	176.22	176.38	176.58	176.64	176.76	176.74	176.75	176.65	176.52	176.60
2	176.30	176.27	176.27	176.36	176.55	176.69	176.77	176.77	176.77	176.64	176.66	176.58
3	176.33	176.23	176.25	176.43	176.54	176.67	176.76	176.77	176.77	176.67	176.62	176.64
4	176.36	176.21	176.24	176.40	176.63	176.65	176.75	176.75	176.76	176.68	176.61	176.66
5	/	176.30	176.27	176.40	176.62	176.66	176.76	176.76	176.75	176.66	176.57	176.58
6	/	176.25	176.27	176.42	176.56	176.64	176.77	176.77	176.76	176.66	176.55	176.60
7	/	176.23	176.26	176.49	176.55	176.63	176.75	176.75	176.77	176.68	176.60	176.56
8	/	176.26	176.24	176.41	176.59	176.66	176.74	176.79	176.75	176.67	176.62	176.60
9	176.27	176.24	176.24	176.40	176.62	176.67	176.72	176.77	176.74	176.64	176.62	176.63
10	176.27	176.25	176.26	176.42	176.61	176.68	176.74	176.77	176.75	176.65	176.58	176.57
11	176.25	176.21	176.28	176.39	176.61	176.73	176.74	176.80	176.70	176.60	176.59	176.56
12	176.23	176.22	176.30	176.32	176.65	176.70	176.73	176.78	176.68	176.63	176.58	176.60
13	176.25	176.22	176.26	176.38	176.64	176.70	176.72	176.77	176.71	176.65	176.58	176.56
14	176.22	176.21	176.29	176.47	176.64	176.67	176.73	176.80	176.75	176.65	176.58	176.57
15	176.28	176.21	176.33	176.49	176.64	176.71	176.75	176.83	176.76	176.64	176.58	176.56
16	176.27	176.21	176.33	176.51	176.66	176.70	176.75	176.78	176.72	176.59	176.56	176.59
17	176.23	176.22	176.28	176.48	176.61	176.69	176.73	176.77	176.74	176.61	176.63	176.58
18	176.28	176.20	176.24	176.47	176.63	176.72	176.74	176.75	176.76	176.59	176.55	176.60
19	176.24	176.20	176.22	176.46	176.63	176.69	176.74	176.76	176.73	176.57	176.52	176.52
20	176.22	176.22	176.22	176.45	176.65	176.65	176.73	176.74	176.72	176.61	176.57	176.51*
21	176.24	176.20	176.25	176.45	176.67	176.68	176.73	176.74	176.71	176.61	176.56	176.52
22	176.28	176.24	176.26	176.50	176.66	176.74	176.73	176.73	176.70	176.58	176.51	176.50
23	176.27	176.19	176.26	176.48	176.63	176.76	176.71	176.74	176.67	176.59	176.55	176.53*
24	176.22	176.25	176.24	176.47	176.67	176.72	176.71	176.75	176.67	176.64	176.60	176.55*
25	176.27	176.22	176.29	176.48	176.68	176.72	176.71	176.77	176.68	176.63	176.57	176.53*
26	176.30	176.21	176.34	176.52	176.69	176.70	176.74	176.74	176.68	176.63	176.49	176.59*
27	176.27	176.22	176.36	176.57	176.67	176.72	176.73	176.74	176.65	176.60	176.61	176.58*
28	176.27	176.21	176.31	176.53	176.67	176.71	176.74	176.75	176.66	176.60	176.62	176.60
29	176.31		176.33	176.56	176.67	176.70	176.75	176.75	176.66	176.62	176.59	176.58
30	176.31		176.33	176.54	176.64	176.75	176.72	176.79	176.66	176.57	176.63	176.60
31	176.26		176.38		176.63		176.74	176.76		176.51		176.56
MEAN	176.27	176.23	176.28	176.45	176.63	176.69	176.74	176.76	176.72	176.62	176.58	176.57
MAX.	176.42	176.33	176.42	176.66	176.78	176.82	176.81	176.87	176.84	176.75	176.73	176.73
	1115/04	0850/05	2400/31	1112/27	1610/20	0535/11	1843/02	0005/15	1520/10	0242/04	1325/02	0255/04
MIN.	176.12	176.12	176.17	176.14	176.48	176.53	176.65	176.63	176.62	176.46	176.37	176.45
	0508/14	1340/23	1300/01	0312/06	1542/03	2050/20	1933/30	0555/07	0735/30	2130/31	1747/26	0444/22

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 176.54

ANNUAL SUMMARY OF LEVELS, 1979

Station 5080: Mackinaw City, Michigan on Straits of Mackinac

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	176.77	Aug	176.23	Feb
Daily mean elevation:	176.82	13 Aug	176.17	14 Jan
Instant/hourly elevation:	177.01	0800/7 Aug	175.99	0600/6 Apr

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.34	6 Jan
176.29	6 Feb
176.40	30 Mar
176.55	29 Apr
176.69	18 May
176.78	21 Jun
176.77	30 Jul
176.82	13 Aug
176.81	1 Sep
176.68	3 Oct
176.73	1 Nov
176.71	3 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.17	14 Jan
176.18	25 Feb
176.21	14 Mar
176.29	6 Apr
176.57	2 May
176.67	5 Jun
176.72	16 Jul
176.73	15 Aug
176.67	30 Sep
176.60	29 Oct
176.55	21 Nov
176.49	16 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
176.80								1	1				176.80	2
176.75						2	9	21	5				176.75	39
176.70						16	22	9	13		1	1	176.70	101
176.65					14	12			11	7	1	1	176.65	147
176.60					11					18	11	4	176.60	191
176.55					6					6	14	14	176.55	231
176.50				7							3	10	176.50	251
176.45				12								1	176.45	264
176.40				6									176.40	270
176.35			3	4									176.35	277
176.30	3		9										176.30	289
176.25	10	4	13	1									176.25	317
176.20	16	16	6										176.20	355
176.15	2	6											176.15	363

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 5080: Mackinaw City, Michigan on Straits of Mackinac

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	176.23	176.20	176.21	176.38	176.58	176.68	176.74	176.73	176.81	176.64	176.73	176.56
2	176.30	176.25	176.25	176.38	176.57	176.70	176.74	176.77	176.80	176.63	176.69	176.61
3	176.34	176.27	176.24	176.41	176.58	176.68	176.74	176.77	176.75	176.68	176.61	176.71
4	176.28	176.21	176.29	176.39	176.60	176.70	176.73	176.76	176.77	176.65	176.62	176.59
5	176.32	176.24	176.29	176.46	176.60	176.67	176.74	176.75	176.79	176.67	176.60	176.64
6	176.34	176.29	176.28	176.29	176.60	176.68	176.75	176.75	176.75	176.65	176.55	176.60
7	176.27	176.25	176.25	176.42	176.65	176.71	176.76	176.80	176.72	176.63	176.64	176.56
8	176.29	176.20	176.27	176.42	176.66	176.68	176.75	176.76	176.74	176.63	176.63	176.58
9	176.24	176.26	176.31	176.38	176.63	176.69	176.75	176.77	176.79	176.62	176.56	176.63
10	176.25	176.22	176.29	176.42	176.62	176.72	176.76	176.76	176.74	176.65	176.56	176.62
11	176.25	176.25	176.28	176.41	176.64	176.70	176.76	176.76	176.74	176.66	176.59	176.60
12	176.25	176.21	176.28	176.41	176.64	176.71	176.75	176.79	176.75	176.65	176.62	176.54
13	176.22	176.23	176.33	176.46	176.66	176.70	176.75	176.82	176.72	176.60	176.56	176.58
14	176.17	176.25	176.21	176.49	176.66	176.74	176.76	176.73	176.70	176.64	176.57	176.57
15	176.27	176.21	176.27	176.48	176.63	176.75	176.77	176.73	176.74	176.63	176.56	176.69
16	176.27	176.20	176.31	176.47	176.65	176.72	176.72	176.76	176.74	176.62	176.62	176.49
17	176.27	176.21*	176.30	176.47	176.69	176.72	176.73	176.79	176.79	176.60	176.57	176.56
18	176.24	/	176.29	176.48	176.69	176.70	176.74	176.76	176.69	176.61	176.58	176.57
19	176.28	/	176.29	176.48	176.67	176.70	176.76	176.75	176.71	176.67	176.59	176.55
20	176.27	176.25*	176.31	176.50	176.67	176.75	176.75	176.75	176.74	176.66	176.55	176.56
21	176.23	176.25	176.31	176.50	176.66	176.78	176.77	176.74	176.67	176.65	176.55	176.56
22	176.24	176.24	176.29	176.50	176.65	176.71	176.74	176.75	176.69	176.64	176.56	176.55
23	176.30	176.28	176.31	176.50	176.63	176.71	176.75	176.77	176.68	176.67	176.62	176.54
24	176.23	176.19	176.24	176.52	176.64	176.71	176.76	176.80	176.72	176.60	176.64	176.51
25	176.21	176.18	176.27	176.55	176.64	176.73	176.75	176.78	176.70	176.60	176.58	176.51
26	176.25	176.20	176.31	176.53	176.66	176.77	176.74	176.76	176.67	176.61	176.63	176.56
27	176.25	176.24	176.35	176.52	176.68	176.72	176.75	176.76	176.70	176.66	176.64	176.55
28	176.23	176.24	176.40	176.53	176.68	176.72	176.74	176.77	176.69	176.60	176.61	176.55
29	176.23		176.34	176.55	176.67	176.72	176.75	176.80	176.67	176.60	176.58	176.55
30	176.24		176.40	176.54	176.67	176.73	176.77	176.77	176.67	176.61	176.59	176.55
31	176.20		176.36		176.67		176.74	176.77		176.63		176.56
MEAN	176.26	176.23	176.29	176.46	176.64	176.71	176.75	176.77	176.73	176.63	176.60	176.57
MAX.	176.45	176.35	176.47	176.60	176.77	176.90	176.85	177.01	176.87	176.79	176.89	176.81
	1300/06	1300/23	1700/30	2100/28	0500/18	0100/21	2000/30	0800/07	0200/01	0400/23	1200/01	1300/03
MIN.	176.10	176.10	176.11	175.99	176.48	176.60	176.67	176.66	176.61	176.55	176.48	176.39
	0500/14	2200/04	1500/14	0600/06	1800/03	1200/20	0600/28	1500/07	2100/18	0600/24	0500/21	2100/07

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 176.55

ANNUAL SUMMARY OF LEVELS, 1979
Station 5098: DeTour, Michigan on Lake Huron

INTERNATIONAL
GREAT LAKES
DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	176.69	Jun	176.50	Apr
Daily mean elevation:	176.74	15 Jun	176.45	17 Apr
Instant/hourly elevation:	176.81	1647/20 Jun	176.38	2045/21 Apr

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
	Jan
	Feb
	Mar
176.56	29 Apr
176.68	27 May
176.74	15 Jun
	Jul
	Aug
	Sep
	Oct
	Nov
	Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
	Jan
	Feb
	Mar
176.45	17 Apr
176.51	3 May
176.65	6 Jun
	Jul
	Aug
	Sep
	Oct
	Nov
	Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
176.70						4						
176.65					9	15						
176.60					13	2						
176.55				1	8							
176.50				5	1							
176.45				7								
176.40				1								

Elev. (m.)	No. of days above elev.
176.70	4
176.65	28
176.60	43
176.55	52
176.50	58
176.45	65
176.40	66

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 5098: DeTour, Michigan on Lake Huron

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	/	/	/	/	176.57	176.65	/	/	/	/	/	/
2	/	/	/	/	176.56	176.69	/	/	/	/	/	/
3	/	/	/	/	176.51	176.67	/	/	/	/	/	/
4	/	/	/	/	176.58	176.67	/	/	/	/	/	/
5	/	/	/	/	176.60	176.66	/	/	/	/	/	/
6	/	/	/	/	176.57	176.65	/	/	/	/	/	/
7	/	/	/	/	176.60	176.67	/	/	/	/	/	/
8	/	/	/	/	176.63	176.67	/	/	/	/	/	/
9	/	/	/	/	176.62	176.67	/	/	/	/	/	/
10	/	/	/	/	176.60	176.69	/	/	/	/	/	/
11	/	/	/	/	176.61	176.70	/	/	/	/	/	/
12	/	/	/	/	176.63	176.69	/	/	/	/	/	/
13	/	/	/	/	176.64	176.70	/	/	/	/	/	/
14	/	/	/	/	176.63	176.70	/	/	/	/	/	/
15	/	/	/	/	176.62	176.74	/	/	/	/	/	/
16	/	/	/	/	176.64	176.71	/	/	/	/	/	/
17	/	/	/	176.45*	176.67	176.69	/	/	/	/	/	/
18	/	/	/	176.47	176.68	176.69	/	/	/	/	/	/
19	/	/	/	176.46	176.66	176.69	/	/	/	/	/	/
20	/	/	/	176.47	176.66	176.71	/	/	/	/	/	/
21	/	/	/	176.46	176.65	176.72*	/	/	/	/	/	/
22	/	/	/	176.49	176.66	/	/	/	/	/	/	/
23	/	/	/	176.47	176.60	/	/	/	/	/	/	/
24	/	/	/	176.49	176.63	/	/	/	/	/	/	/
25	/	/	/	176.53	176.62	/	/	/	/	/	/	/
26	/	/	/	176.52	176.66	/	/	/	/	/	/	/
27	/	/	/	176.54	176.68	/	/	/	/	/	/	/
28	/	/	/	176.52	176.67	/	/	/	/	/	/	/
29	/		/	176.56	176.66	/	/	/	/	/	/	/
30	/		/	176.51	176.65	/	/	/	/	/	/	/
31	/		/		176.64		/	/		/		/
MEAN	/	/	/	176.50	176.63	176.69	/	/	/	/	/	/
MAX.				176.62	176.75	176.81						
				1540/29	1927/18	1647/20						
MIN.				176.38	176.40	176.53						
				2045/21	1747/03	0100/11						

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

ANNUAL MEAN: 176.61

ANNUAL SUMMARY OF LEVELS, 1979
Station 5099: DeTour Village, Michigan on Lake Huron

INTERNATIONAL
GREAT LAKES
DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	176.75	Aug	176.22	Feb
Daily mean elevation:	176.80	13 Aug	176.13	14 Jan
Instant/hourly elevation:	176.89	0700/7 Aug	175.96	0700/6 Apr

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.36	5 Jan
176.28	6 Feb
176.39	28 Mar
176.55	29 Apr
176.67	29 May
176.74	26 Jun
176.75	30 Jul
176.80	13 Aug
176.78	2 Sep
176.66	27 Oct
176.68	2 Nov
176.69	15 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.13	14 Jan
176.17	26 Feb
176.18	1 Mar
176.30	6 Apr
176.51	3 May
176.65	1 Jun
176.71	28 Jul
176.72	21 Aug
176.65	21 Sep
176.58	28 Oct
176.50	22 Nov
176.42	25 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
176.75								12	5				176.75	17
176.70						13	31	19	12				176.70	92
176.65					8	16			12	5	1	2	176.65	136
176.60					15	1			1	14	10	5	176.60	182
176.55					7					12	14	7	176.55	222
176.50				5	1						4	15	176.50	247
176.45				13							1	1	176.45	262
176.40				5								1	176.40	268
176.35	1		2	3									176.35	274
176.30	4		5	3									176.30	286
176.25	9	3	14	1									176.25	313
176.20	9	15	8										176.20	345
176.15	7	10	2										176.15	364
176.10	1												176.10	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 5099: DeTour Village, Michigan on Lake Huron

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	176.20	176.19	176.18	176.37	176.56	176.65	176.73	176.72	176.78	176.64	176.63	176.54
2	176.27	176.25	176.24	176.35	176.57	176.69	176.73	176.74	176.78	176.60	176.68	176.56
3	176.35	176.25	176.23	176.41	176.51	176.67	176.75	176.77	176.75	176.65	176.63	176.68
4	176.32	176.19	176.25	176.38	176.58	176.68	176.71	176.74	176.75	176.66	176.61	176.64
5	176.36	176.26	176.27	176.43	176.61	176.67	176.73	176.74	176.77	176.64	176.60	176.63
6	176.35	176.28	176.27	176.30	176.56	176.66	176.75	176.74	176.75	176.66	176.52	176.60
7	176.28	176.22	176.25	176.48	176.60	176.68	176.74	176.77	176.73	176.61	176.61	176.56
8	176.28	176.20	176.24	176.42	176.63	176.67	176.74	176.75	176.73	176.64	176.64	176.54
9	176.26	176.24	176.29	176.35	176.62	176.67	176.73	176.76	176.76	176.58	176.60	176.65
10	176.26	176.21	176.28	176.42	176.60	176.70	176.74	176.74	176.75	176.65	176.54	176.63
11	176.26	176.24	176.29	176.41	176.61	176.71	176.74	176.75	176.70	176.66	176.57	176.58
12	176.25	176.20	176.30	176.35	176.63	176.70	176.74	176.77	176.72	176.62	176.62	176.55
13	176.20	176.22	176.32	176.36	176.64	176.71	176.74	176.80	176.71	176.59	176.57	176.55
14	176.13	176.23	176.20	176.46	176.64	176.71	176.74	176.73	176.67	176.63	176.56	176.55
15	176.29	176.19	176.29	176.47	176.62	176.74	176.75	176.75	176.74	176.63	176.55	176.69
16	176.28	176.18	176.31	176.48	176.64	176.71	176.71	176.74	176.72	176.60	176.56	176.51
17	176.25	176.22	176.29	176.46	176.67	176.70	176.71	176.77	176.76	176.59	176.61	176.55
18	176.24	176.20	176.26	176.47	176.67	176.70	176.73	176.74	176.72	176.60	176.57	176.61
19	176.27	176.22	176.25	176.47	176.66	176.70	176.75	176.74	176.70	176.62	176.56	176.54
20	176.22	176.26	176.26	176.48	176.65	176.71	176.73	176.73	176.73	176.66	176.54	176.54
21	176.19	176.22	176.29	176.47	176.65	176.74	176.74	176.72	176.65	176.64	176.56	176.56
22	176.23	176.24	176.28	176.50	176.66	176.71	176.74	176.73	176.67	176.63	176.50	176.53
23	176.32	176.25	176.28	176.48	176.60	176.72	176.73	176.75	176.67	176.65	176.57	176.53
24	176.19	176.18	176.23	176.50	176.62	176.69	176.74	176.77	176.69	176.58	176.64	176.49
25	176.17	176.17	176.24	176.52	176.62	176.71	176.73	176.78	176.69	176.59	176.59	176.42
26	176.25	176.17	176.28	176.52	176.66	176.74	176.73	176.75	176.68	176.60	176.57	176.54
27	176.23	176.23	176.35	176.53	176.67	176.73	176.75	176.74	176.68	176.66	176.62	176.54
28	176.20	176.23	176.39	176.52	176.67	176.70	176.71	176.76	176.69	176.58	176.62	176.55
29	176.22		176.32	176.55	176.67	176.69	176.75	176.77	176.66	176.61	176.57	176.56
30	176.25		176.37	176.50	176.65	176.71	176.75	176.77	176.66	176.59	176.60	176.56
31	176.19		176.35		176.64		176.72	176.76		176.59		176.55
MEAN	176.25	176.22	176.28	176.45	176.63	176.70	176.73	176.75	176.72	176.62	176.59	176.57
MAX.	176.45	176.32	176.44	176.59	176.71	176.78	176.80	176.89	176.83	176.74	176.74	176.77
	2100/03	1500/06	2000/30	1800/29	1700/20	0700/15	2100/30	0700/07	1600/01	1500/27	0700/08	1500/03
MIN.	176.05	176.12	176.15	175.96	176.42	176.57	176.68	176.67	176.61	176.52	176.41	176.32
	1100/14	1300/26	1400/01	0700/06	1800/03	0100/11	0200/31	1500/07	2400/21	0500/28	2200/26	2200/07

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 176.54

ANNUAL SUMMARY OF LEVELS, 1979

Station 6050: Frechette Point, Michigan on St. Marys River

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST		
Monthly mean elevation:	177.09	Aug	176.66	Apr
Daily mean elevation:	177.16	7 Aug	176.53	1 Jan
Instant/hourly elevation:	177.29	0613/7 Aug	176.39	1225/6 Apr

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.77	6 Jan
176.70	20 Feb
176.72	28 Mar
176.74	7 Apr
176.90	18 May
177.04	20 Jun
177.11	30 Jul
177.16	7 Aug
177.13	2 Sep
177.01	4 Oct
176.95	1 Nov
176.92	5 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.53	1 Jan
176.62	1 Feb
176.63	19 Mar
176.56	6 Apr
176.63	3 May
176.81	1 Jun
176.91	2 Jul
176.99	14 Aug
176.99	30 Sep
176.78	25 Oct
176.73	20 Nov
176.56	25 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
177.15								1					177.15	1
177.10							1	8	3				177.10	13
177.05							15	15	13				177.05	56
177.00						2	9	1	11	1			177.00	80
176.95						6	3	1	3	5			176.95	98
176.90						11	3			6	3	2	176.90	123
176.85					3	6				9	8	4	176.85	153
176.80					11	5				7	11	3	176.80	190
176.75	1				10					3	6	6	176.75	216
176.70	4		2	3	2						2	4	176.70	233
176.65	13	18	24	16								10	176.65	314
176.60	5	6	5	8	1							1	176.60	340
176.55	1			1								1	176.55	343
176.50	1												176.50	344

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 6050: Frechette Point, Michigan on St. Marys River

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	176.53	176.62*	176.67	176.67	176.73*	176.81	176.94	177.07	177.12	176.99	176.95	176.80
2	176.60	176.66	176.67	176.64	176.75	176.85	176.91	177.06	177.13	176.96	176.93	176.77
3	176.68	176.66	176.67	176.66	176.63	176.85	176.99	177.12*	177.07	177.00	176.88	176.92
4	176.75	176.67	176.68	176.66	/	176.85	176.95	177.08	177.09	177.01	176.84	176.86
5	176.69	176.67*	176.70	176.66	/	176.83	176.96	177.06	177.12	176.97	176.86	176.92
6	176.77	176.70*	176.69	176.56	/	176.89	176.99	177.08	177.07	176.99	176.76	176.82
7	176.74	176.67	176.68	176.74	/	176.92	177.01	177.16	177.05	176.90	176.83	176.82
8	176.70	176.66	176.67	176.69	176.78*	176.90	177.02	177.08	177.04	176.95	176.91	176.72
9	176.72*	176.63*	176.67	176.63	176.77	176.91	177.01	177.09	177.09	176.84	176.87	176.87
10	176.69	/	176.69	176.66	176.80	176.93	177.04	177.09*	177.10	176.88	176.76	176.89
11	176.67*	/	176.69	176.67	176.80	176.92	177.06	/	177.06	176.92	176.81	176.76
12	/	176.67*	176.68	176.63	176.78	176.94	177.06	/	177.07	176.86	176.87	176.66
13	/	176.67*	176.70	176.61	176.83	176.97	177.06	/	177.05	176.78	176.81	176.73
14	/	176.66	176.64	176.68	176.82	176.99	177.06	176.99*	177.00	176.84	176.78	176.70
15	/	176.64	176.68	176.71	176.78	177.01	177.06	177.03	177.06	176.85	176.80	176.88
16	/	176.64	176.70	176.71	176.81	177.00	177.02	177.06	177.07	176.86	176.80	176.64
17	/	/	176.67	176.70	176.89	176.97	177.02*	177.12	177.10	176.81	176.84	176.70*
18	176.68*	/	176.64	176.67	176.90	176.95	177.04	177.08	177.06	176.86	176.84	176.80*
19	176.70*	176.70*	176.63	176.65	176.86	176.96	177.07*	177.07	177.03	176.92	176.81	176.82
20	176.67	176.70	176.64	176.65	176.83	177.04	177.06	177.08	177.09	176.89	176.73	176.80
21	176.64	176.69	176.67	176.63*	176.78	177.00	177.06	/	176.99	176.89	176.81	176.79
22	176.68	176.67	176.67	176.66	176.85	176.88	177.07*	/	177.01	176.89	176.75	176.73
23	176.74	176.67	176.66	176.65	176.79	176.88	177.06*	177.11	177.02	176.93	176.82	176.71
24	176.69	176.66	176.64	176.66	176.80	176.91	177.07	177.12	177.06	176.78	176.88	176.66
25	176.64	176.65	176.66	176.70	176.79	176.91	177.09	177.11	177.03	176.78	176.89	176.56
26	176.67	176.64	176.69	176.67	176.83	176.94	177.05	177.11	177.02	176.81	176.88	176.70
27	176.67	176.66	176.71	176.67	176.85	176.91	177.08	177.09	177.02	176.95	176.84	176.68
28	176.65	176.68	176.72	176.67*	176.84	176.89	177.02	177.09	177.04	176.82	176.86	176.67
29	176.64		176.69	/	176.84	176.92	177.07*	177.12	177.01	176.84	176.81	176.70
30	176.67		176.69	/	176.84	176.90	177.11*	177.09	176.99	176.87	176.79	176.70
31	176.63		176.67		176.85		177.07*	177.11		176.93		176.70
MEAN	176.68	176.66	176.68	176.66	176.81	176.92	177.03	177.09	177.06	176.89	176.83	176.76
MAX.	176.80	176.73	176.75	176.79	176.95	177.17	177.21	177.29	177.20	177.07	177.06	177.03
	0828/07	0700/20	0930/13	0907/07	1755/17	1900/20	1945/30	0613/07	2045/17	2300/03	0418/08	0717/05
MIN.	176.52	176.56	176.57	176.39	176.41	176.68	176.88	176.93	176.86	176.67	176.59	176.48
	0430/01	1340/26	2240/24	1225/06	1845/03	2055/01	1535/04	1858/14	1540/21	2015/24	1408/20	1200/25

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 176.84

ANNUAL SUMMARY OF LEVELS, 1979

Station 6060: US Slip below locks, Sault St Marie, Michigan on St Marys River

INTERNATIONAL GREAT LAKES DATUM (1955)

HIGHEST

Monthly mean elevation:	177.28	Aug
Daily mean elevation:	177.36	13 Aug
Instant/hourly elevation:	177.48	0900/7 Aug

LOWEST

Monthly mean elevation:	176.74	Apr
Daily mean elevation:	176.58	6 Apr
Instant/hourly elevation:	176.42	1400/6 Apr

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
177.00	23 Jan
176.97	20 Feb
176.91	2 Mar
176.81	7 Apr
177.00	18 May
177.17	15 Jun
177.30	30 Jul
177.36	13 Aug
177.32	2 Sep
177.20	4 Oct
177.09	1 Nov
177.05	5 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.61	1 Jan
176.88	1 Feb
176.71	24 Mar
176.58	6 Apr
176.72	3 May
176.93	5 Jun
177.06	2 Jul
177.23	15 Aug
177.19	30 Sep
176.94	25 Oct
176.87	20 Nov
176.66	25 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
177.35								2				
177.30								2	3			
177.25							8	24	13			
177.20							14	3	13			
177.15						3	3		1	5		
177.10						5	4			2		
177.05						6	2			6	3	
177.00						10				7	7	2
176.95	3	1			4	4				8	6	5
176.90	12	23	2		13	2				3	11	4
176.85	8	4	7		7						3	5
176.80	4		8	1	4							5
176.75	2		7	9								9
176.70			7	16	3							
176.65	1			3								1
176.60	1											
176.55				1								

Elev. (m.)	No. of days above elev.
177.35	2
177.30	7
177.25	52
177.20	82
177.15	94
177.10	105
177.05	122
177.00	148
176.95	179
176.90	249
176.85	283
176.80	305
176.75	332
176.70	358
176.65	363
176.60	364
176.55	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 6060: US Slip below locks, Sault St Marie, Michigan on St Marys River

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	176.61	176.88	176.91	176.74	176.75	176.93	177.08	177.27	177.30	177.20	177.09	176.95
2	176.68	176.91	176.91	176.70	176.83	176.98	177.06	177.24	177.32	177.14	177.07	176.92
3	176.77	176.90	176.89	176.72	176.72	176.97	177.13	177.31	177.26	177.19	177.03	177.05
4	176.85	176.92	176.90	176.72	176.74	176.97	177.11	177.28	177.27	177.20	176.98	176.99
5	176.77	176.92	176.89	176.73	176.82	176.93	177.12	177.26	177.31	177.17	177.01	177.05
6	176.90	176.95	176.88	176.58	176.84	177.01	177.14	177.27	177.28	177.19	176.90	176.95
7	176.86	176.95	176.87	176.81	176.91	177.05	177.17	177.36	177.24	177.10	176.97	176.97
8	176.84	176.94	176.85	176.76	176.85	177.04	177.16	177.29	177.25	177.13	177.06	176.86
9	176.87	176.94	176.84	176.70	176.86	177.06	177.17	177.28	177.29	177.02	177.01	177.00
10	176.85	176.94	176.85	176.73	176.90	177.09	177.22	177.29	177.31	177.03	176.91	177.00
11	176.87	176.93	176.84	176.74	176.91	177.08	177.24	177.27	177.26	177.06	176.95	176.86
12	176.88	176.95	176.83	176.71	176.89	177.11	177.24	177.27	177.27	177.01	177.01	176.76
13	176.86	176.94	176.85	176.68	176.93	177.13	177.24	177.36	177.26	176.95	176.95	176.83
14	176.85	176.92	176.82	176.75	176.92	177.15	177.25	177.25	177.21	176.98	176.92	176.81
15	176.93	176.92	176.87	176.78	176.88	177.17	177.25	177.23	177.26	176.99	176.95	176.98
16	176.95	176.92	176.87	176.77	176.91	177.16	177.21	177.26	177.26	177.00	176.94	176.76
17	176.92	176.95	176.83	176.76	176.99	177.13	177.22	177.31	177.30	176.96	176.98	176.83
18	176.92	176.93	176.79	176.74	177.00	177.09	177.23	177.29	177.27	177.00	176.98	176.90
19	176.93	176.94	176.76	176.73	176.97	177.10	177.26	177.27	177.22	177.06	176.95	176.92
20	176.93	176.97	176.74	176.74	176.94	177.16	177.25	177.27	177.28	177.04	176.87	176.89
21	176.92	176.95	176.75	176.71	176.89	177.15	177.25	177.26	177.21	177.03	176.94	176.89
22	176.96	176.92	176.74	176.73	176.95	177.03	177.27	177.27	177.21	177.04	176.89	176.83
23	177.00	176.92	176.73	176.74	176.90	177.03	177.25	177.29	177.21	177.09	176.95	176.81
24	176.97	176.92	176.71	176.74	176.91	177.06	177.26	177.30	177.24	176.95	177.01	176.76
25	176.93	176.91	176.74	176.78	176.90	177.03	177.29	177.30	177.24	176.94	177.02	176.66
26	176.94	176.90	176.78	176.76	176.93	177.05	177.24	177.29	177.22	176.96	177.02	176.80
27	176.93	176.90	176.79	176.76	176.95	177.03	177.27	177.28	177.21	177.09	176.99	176.78
28	176.91	176.92	176.80	176.75	176.94	177.00	177.23	177.28	177.24	176.98	177.00	176.77
29	176.89		176.77	176.77	176.93	177.05	177.26	177.30	177.21	177.00	176.95	176.79
30	176.91		176.76	176.76	176.95	177.03	177.30	177.30	177.19	177.02	176.94	176.80
31	176.90		176.74		176.96		177.28	177.29		177.07		176.79
MEAN	176.88	176.93	176.82	176.74	176.90	177.06	177.21	177.28	177.25	177.05	176.97	176.87
MAX.	177.03	177.12	176.96	176.86	177.05	177.27	177.41	177.48	177.38	177.27	177.19	177.16
	1000/26	0900/15	2200/02	0900/07	1900/17	1900/20	0100/31	0900/07	1900/01	0900/06	0700/08	1200/05
MIN.	176.52	176.84	176.69	176.42	176.56	176.86	177.02	177.18	177.13	176.88	176.80	176.59
	0900/05	0800/03	2200/24	1400/06	2100/03	1800/01	1700/02	1000/02	1900/21	1700/13	1900/20	1200/25

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 177.00

ANNUAL SUMMARY OF LEVELS, 1979

Station 6070: SW Pier above locks, Sault St Marie, Michigan on St Marys River

INTERNATIONAL GREAT LAKES DATUM (1955)

HIGHEST			LOWEST		
Monthly mean elevation:	183.23	Jul	Monthly mean elevation:	182.73	Feb
Daily mean elevation:	183.44	14 Aug	Daily mean elevation:	182.64	14 Feb
Instant/hourly elevation:	183.72	1319/8 Nov	Instant/hourly elevation:	182.21	0733/12 Apr

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
182.92	1 Jan
182.86	4 Feb
182.90	24 Mar
183.13	6 Apr
183.18	25 May
183.36	22 Jun
183.33	1 Jul
183.44	14 Aug
183.31	18 Sep
183.30	23 Oct
183.34	8 Nov
183.22	17 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
182.69	19 Jan
182.64	14 Feb
182.66	2 Mar
182.65	12 Apr
182.86	7 May
183.07	6 Jun
183.19	24 Jul
183.14	31 Aug
183.12	27 Sep
183.00	31 Oct
183.07	18 Nov
182.99	21 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
183.40								1					183.40	1
183.35						1							183.35	2
183.30						1	1	1	1		1		183.30	7
183.25						4	7	4	5	3	2		183.25	32
183.20						8	15	13	6	5	7	3	183.20	89
183.15					5	7	8	10	14	14	13	7	183.15	167
183.10				1	6	7		2	4	4	3	10	183.10	204
183.05					7	2				4	4	6	183.05	227
183.00					5							2	183.00	234
182.95				3	4					1		3	182.95	245
182.90	1			4	2								182.90	252
182.85	5	1	3	10	2								182.85	273
182.80	4		5	5									182.80	287
182.75	16	7	10	5									182.75	325
182.70	4	10	9										182.70	348
182.65	1	9	4										182.65	362
182.60		1		1									182.60	364

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 6070: SW Pier above locks, Sault St Marie, Michigan on St Marys River

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	182.92	182.77	182.71	182.82	182.97	183.15	183.33	183.25	183.15	183.16	183.17	183.15
2	182.86	182.72	182.66	182.90	182.93	183.13	183.30	183.24	183.27	183.17	183.24	183.14
3	182.90	182.74	182.72	182.85	183.06	183.12	183.26	183.24	183.25	183.16	183.26	183.18
4	182.90	182.86	182.77	182.82	183.04	183.16	183.29	183.22	183.17	183.18	183.20	183.18
5	182.84	182.77	182.79	182.89	182.96	183.18	183.27	183.28	183.19	183.16	183.20	183.13
6	182.77	182.67	182.75	183.13	182.90	183.07	183.25	183.21	183.29	183.22	183.25	183.15
7	182.79	182.78	182.78	182.83	182.86	183.13	183.23	183.23	183.27	183.19	183.18	183.18
8	182.77	182.78	182.75	182.80	182.95	183.19	183.22	183.28	183.21	183.14	183.34	183.21
9	182.86	182.72	182.75	182.87	183.07	183.18	183.21	183.22	183.17	183.17	183.21	183.16
10	182.78	182.74	182.84	182.86	182.97	183.25	183.21	183.29	183.24	183.17	183.24	182.99
11	182.76	182.68	182.80	182.79	183.03	183.21	183.21	183.25	183.13	183.10	183.17	183.19
12	182.75	182.72	182.76	182.65	183.06	183.20	183.20	183.19	183.19	183.25	183.18	183.16
13	182.79	182.68	182.76	182.77	183.04	183.15	183.19	183.26	183.24	183.26	183.21	183.07
14	182.88	182.64	182.85	182.87	183.07	183.12	183.20	183.44	183.28	183.19	183.17	183.18
15	182.83	182.68	182.76	182.93	183.09	183.17	183.22	183.31	183.25	183.17	183.20	183.15
16	182.76	182.77	182.73	182.93	183.04	183.20	183.27	183.22	183.19	183.11	183.16	183.21
17	182.76	182.70	182.70	182.89	182.97	183.24	183.23	183.20	183.19	183.19	183.16	183.22
18	182.72	182.67	182.70	182.84	183.03	183.22	183.21	183.22	183.31	183.06	183.07	183.00
19	182.69	182.67	182.68	182.79	183.11	183.15	183.21	183.20	183.19	183.11	183.08	183.04
20	182.72	182.69	182.74	182.80	183.13	183.09	183.20	183.21	183.21	183.08	183.24	183.01
21	182.74	182.75	182.78	182.90	183.17	183.22	183.19	183.18	183.27	183.19	183.14	182.99
22	182.76	182.68	182.75	182.89	183.12	183.36	183.22	183.14	183.20	183.21	183.11	183.07
23	182.76	182.71	182.85	182.90	183.15	183.33	183.19	183.16	183.16	183.30	183.10	183.09
24	182.81	182.80	182.90	182.90	183.16	183.27	183.19	183.19	183.14	183.28	183.11	183.10
25	182.81	182.76	182.87	182.91*	183.18	183.22	183.26	183.22	183.19	183.25	183.10	183.10
26	182.78	182.75	182.85	/	183.17	183.21	183.24	183.17	183.18	183.19	183.19	183.09
27	182.76	182.72	182.80	182.98*	183.17	183.28	183.25	183.20	183.12	183.11	183.23	183.14
28	182.79	182.72	182.74	182.98	183.15	183.25	183.22	183.17	183.17	183.24	183.19	183.15
29	182.79		182.82	182.95	183.14	183.27	183.21	183.18	183.16	183.18	183.26	183.15
30	182.76		182.79	182.98	183.10	183.29	183.20	183.25	183.18	183.10	183.20	183.11
31	182.76		182.87		183.08		183.29	183.14		183.00		183.11
MEAN	182.79	182.73	182.77	182.88	183.06	183.20	183.23	183.22	183.21	183.17	183.19	183.12
MAX.	183.14	183.00	183.04	183.49	183.32	183.59	183.53	183.57	183.56	183.49	183.72	183.59
	0525/05	1520/04	0140/31	0300/06	2400/09	1215/10	1357/04	1511/14	1505/01	1959/22	1319/08	2302/15
MIN.	182.50	182.42	182.52	182.21	182.36	182.61	182.98	182.76	182.74	182.79	182.83	182.59
	1812/25	0713/23	0131/19	0733/12	0158/10	0103/04	0119/19	1832/31	1707/01	0938/27	1517/22	1202/10

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 183.05

ANNUAL SUMMARY OF LEVELS, 1979
Station 7023: Ludington, Michigan on Lake Michigan

INTERNATIONAL
GREAT LAKES
DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	176.83	Aug	176.34	Feb
Daily mean elevation:	176.88	10 Aug	176.23	5 Jan
Instant/hourly elevation:	176.98	0900/29 Aug	176.19	0500/5 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.42	24 Jan
176.38	23 Feb
176.52	30 Mar
176.72	30 Apr
176.80	31 May
176.88	20 Jun
176.85	25 Jul
176.88	10 Aug
176.87	1 Sep
176.81	31 Oct
176.81	1 Nov
176.71	1 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.23	5 Jan
176.27	5 Feb
176.30	15 Mar
176.39	6 Apr
176.65	1 May
176.74	23 Jun
176.79	29 Jul
176.74	14 Aug
176.72	18 Sep
176.66	14 Oct
176.57	17 Nov
176.55	4 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
176.85						1		8	2			
176.80						12	25	17	8	1	1	
176.75					8	13	6	4	7	5	1	
176.70				1	19	4		2	13	16	3	1
176.65				2	3					9	12	11
176.60				8	1						11	9
176.55				7							2	9
176.50			1	8								1
176.45			4	2								
176.40	2		8	1								
176.35	10	5	12	1								
176.30	15	21	4									
176.25	2	2	2									
176.20	2											

Elev. (m.)	No. of days above elev.
176.85	11
176.80	75
176.75	119
176.70	178
176.65	215
176.60	244
176.55	262
176.50	272
176.45	278
176.40	289
176.35	317
176.30	357
176.25	363
176.20	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 7023: Ludington, Michigan on Lake Michigan

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	176.40	176.30	176.37	176.51	176.65	176.79	176.81	176.82	176.87	176.75	176.81	176.71
2	176.38	176.31	176.30	176.54	176.69	176.75	176.80	176.81	176.85	176.78	176.63	176.69
3	176.32	176.37	176.37	176.46	176.73	176.76	176.81	176.80	176.83	176.75	176.66	176.60
4	176.23	176.34	176.44	176.54	176.66	176.75	176.83	176.85	176.84	176.72	176.66	176.55
5	176.23	176.27	176.38	176.56	176.69	176.75	176.81	176.86	176.81	176.75	176.71	176.66
6	176.30	176.35	176.38	176.39	176.78	176.78	176.81	176.82	176.82	176.72	176.72	176.63
7	176.32	176.37	176.40	176.41	176.79	176.81	176.82	176.84	176.80	176.70	176.66	176.69
8	176.34	176.32	176.40	176.52	176.75	176.79	176.83	176.81	176.81	176.73	176.60	176.61
9	176.31	176.35	176.40	176.53	176.75	176.81	176.84	176.86	176.78	176.75	176.61	176.56
10	176.31	176.33	176.38	176.49	176.75	176.82	176.83	176.88	176.79	176.72	176.66	176.66
11	176.32	176.35	176.35	176.55	176.76	176.77	176.83	176.82	176.85	176.76	176.67	176.67
12	176.34	176.34	176.34	176.65	176.71	176.79	176.83	176.83	176.86	176.74	176.64	176.62
13	176.39	176.35	176.40	176.66	176.72	176.80	176.84	176.83	176.82	176.68	176.64	176.67
14	176.36	176.35	176.35	176.56	176.74	176.81	176.83	176.74	176.78	176.66	176.65	176.60
15	176.30	176.38	176.30	176.53	176.74	176.79	176.83	176.75	176.75	176.67	176.63	176.59
16	176.33	176.34	176.34	176.52	176.72	176.82	176.82	176.79	176.79	176.73	176.64	176.57
17	176.41	176.31	176.37	176.56	176.75	176.81	176.81	176.80	176.75	176.72	176.57	176.58
18	176.35	176.34	176.41	176.56	176.76	176.81	176.80	176.83	176.72	176.72	176.67	176.60
19	176.38	176.34	176.42	176.57	176.76	176.81	176.80	176.81	176.74	176.76	176.68	176.67
20	176.40	176.33	176.43	176.60	176.74	176.88	176.81	176.86	176.74	176.73	176.63	176.64
21	176.39	176.37	176.39	176.62	176.71	176.84	176.79	176.85	176.74	176.74	176.67	176.63
22	176.32	176.31	176.40	176.57	176.75	176.78	176.80	176.85	176.73	176.79	176.75	176.65
23	176.34	176.38	176.45	176.61	176.79	176.74	176.81	176.86	176.75	176.78	176.69	176.66
24	176.42	176.31	176.48	176.62	176.74	176.80	176.83	176.86	176.76	176.70	176.65	176.70
25	176.36	176.33	176.50	176.64	176.74	176.80	176.85	176.80	176.73	176.68	176.67	176.70
26	176.33	176.33	176.44	176.61	176.74	176.79	176.82	176.84	176.73	176.68	176.80	176.66
27	176.38	176.31	176.41	176.61	176.75	176.79	176.84	176.85	176.75	176.74	176.66	176.63
28	176.36	176.31	176.45	176.66	176.75	176.81	176.81	176.84	176.74	176.70	176.65	176.60
29	176.31		176.49	176.64	176.75	176.84	176.79	176.86	176.76	176.69	176.67	176.60
30	176.31		176.52	176.72	176.78	176.83	176.84	176.83	176.74	176.74	176.64	176.61
31	176.35		176.47		176.80		176.81	176.86		176.81		176.63
MEAN	176.34	176.34	176.40	176.57	176.74	176.80	176.82	176.83	176.78	176.73	176.67	176.63
MAX.	176.49	176.50	176.60	176.83	176.85	176.96	176.91	176.98	176.93	176.93	176.91	176.78
	1000/01	0600/23	1800/30	0300/13	2100/31	1700/20	2400/30	0900/29	0300/01	1600/22	1000/01	2300/24
MIN.	176.19	176.21	176.23	176.32	176.59	176.70	176.74	176.69	176.68	176.63	176.51	176.48
	0500/05	0700/28	2300/02	1800/06	0900/12	1200/18	0200/01	1500/14	2000/30	1900/28	0200/09	1800/09

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 176.64

ANNUAL SUMMARY OF LEVELS, 1979
Station 7031: Holland, Michigan on Lake Michigan

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	176.80	Aug	176.31	Jan
Daily mean elevation:	176.88	10 Aug	176.18	5 Jan
Instant/hourly elevation:	176.95	0417/10 Aug	176.16	1210/5 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.45	24 Jan
176.37	25 Feb
176.60	24 Mar
176.70	30 Apr
176.80	23 May
176.82	29 Jun
176.83	16 Jul
176.88	10 Aug
176.84	3 Sep
176.79	2 Oct
176.75	26 Nov
176.77	25 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.18	5 Jan
176.25	5 Feb
176.27	2 Mar
176.40	7 Apr
176.61	1 May
176.70	2 Jun
176.76	29 Jul
176.74	15 Aug
176.67	26 Sep
176.65	29 Oct
176.52	17 Nov
176.44	15 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
176.85								1					176.85	1
176.80						3	9	17	5				176.80	35
176.75					2	14	22	10	8	3		1	176.75	95
176.70					12	12		3	5	10	3	1	176.70	141
176.65				1	14	1			12	15	2	3	176.65	189
176.60				3	3					3	13	7	176.60	218
176.55			1	7							10	12	176.55	248
176.50			1	11							2	4	176.50	266
176.45			1	5								2	176.45	274
176.40	1		4	2								1	176.40	282
176.35	5	2	11	1									176.35	301
176.30	7	15	9										176.30	332
176.25	14	10	4										176.25	360
176.20	3	1											176.20	364
176.15	1												176.15	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 7031: Holland, Michigan on Lake Michigan

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	176.40	176.30	176.34	176.48	176.61	176.75	176.81	176.81	176.80	176.72	176.70	176.70
2	176.36	176.29	176.27	176.52	176.67	176.70	176.78	176.77	176.80	176.79	176.56	176.63
3	176.29	176.34	176.32	176.44	176.73	176.71	176.79	176.77	176.84	176.71	176.62	176.48
4	176.23	176.34	176.38	176.50	176.62	176.71	176.83	176.80	176.81	176.72	176.60	176.51
5	176.18	176.25	176.38	176.51	176.63	176.74	176.78	176.81	176.79	176.73	176.64	176.56
6	176.22	176.28	176.35	176.43	176.74	176.75	176.77	176.81	176.81	176.73	176.74	176.56
7	176.27	176.35	176.38	176.40	176.73	176.75	176.79	176.80	176.81	176.70	176.59	176.67
8	176.27	176.33	176.38	176.49	176.68	176.75	176.80	176.81	176.79	176.73	176.56	176.59
9	176.27	176.31	176.34	176.52	176.70	176.76	176.81	176.81	176.73	176.76	176.61	176.49
10	176.29	176.33	176.35	176.47	176.70	176.77	176.79	176.88	176.77	176.68	176.65	176.57
11	176.26	176.30	176.32	176.51	176.71	176.74	176.81	176.81	176.80	176.74	176.62	176.60
12	176.28	176.34	176.30	176.61	176.67	176.77	176.81	176.79	176.81	176.72	176.57	176.60
13	176.38	176.31	176.32	176.60	176.68	176.77	176.81	176.77	176.80	176.67	176.61	176.64
14	176.39	176.31	176.38	176.52	176.70	176.76	176.80	176.74	176.76	176.65	176.59	176.56
15	176.25	176.35	176.29	176.51	176.70	176.72	176.78	176.74	176.70	176.66	176.63	176.44
16	176.29	176.36	176.29	176.50	176.68	176.76	176.83	176.77	176.74	176.70	176.57	176.61
17	176.34	176.29	176.32	176.52	176.68	176.79	176.80	176.75	176.68	176.70	176.52	176.52
18	176.30	176.33	176.36	176.53	176.69	176.77	176.78	176.81	176.70	176.69	176.60	176.54
19	176.29	176.29	176.38	176.54	176.73	176.78	176.76	176.79	176.71	176.69	176.61	176.66
20	176.36	176.26	176.39	176.54	176.70	176.81	176.77	176.82	176.68	176.65	176.59	176.58
21	176.35	176.31	176.35	176.57	176.68	176.79	176.76	176.82	176.74	176.66	176.62	176.57
22	176.27	176.29	176.37	176.52	176.71	176.76	176.76	176.83	176.69	176.71	176.71	176.61
23	176.28	176.32	176.42	176.56	176.80	176.74	176.77	176.83	176.70	176.77	176.64	176.61
24	176.45	176.35	176.60	176.56	176.74	176.78	176.76	176.81	176.68	176.70	176.55	176.74
25	176.35	176.37	176.55	176.57	176.74	176.77	176.81	176.78	176.67	176.70	176.63	176.77
26	176.32	176.34	176.44	176.61	176.72	176.74	176.78	176.82	176.67	176.67	176.75	176.64
27	176.35	176.28	176.40	176.57	176.72	176.75	176.78	176.84	176.69	176.67	176.60	176.63
28	176.35	176.30	176.39	176.64	176.70	176.79	176.80	176.82	176.68	176.67	176.63	176.56
29	176.29		176.45	176.60	176.71	176.82	176.76	176.81	176.71	176.65	176.67	176.55
30	176.29		176.45	176.70	176.74	176.81	176.78	176.80	176.70	176.69	176.62	176.60
31	176.35		176.48		176.76		176.81	176.82		176.73		176.60
MEAN	176.31	176.32	176.38	176.53	176.70	176.76	176.79	176.80	176.74	176.70	176.62	176.59
MAX.	176.54	176.42	176.67	176.80	176.87	176.89	176.87	176.95	176.87	176.87	176.88	176.92
	0435/14	1957/25	1740/24	0022/06	1230/23	1650/29	0305/04	0417/10	2145/03	1230/23	1250/06	1900/07
MIN.	176.16	176.19	176.23	176.32	176.56	176.67	176.71	176.69	176.62	176.57	176.47	176.38
	1210/05	0800/06	2310/15	1645/07	2317/01	0930/02	1952/21	2245/14	2000/17	0849/27	0800/17	1455/15

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 176.60

ANNUAL SUMMARY OF LEVELS, 1979

Station 7044: Calumet Harbor, Illinois on Lake Michigan

INTERNATIONAL GREAT LAKES DATUM (1955)

HIGHEST			LOWEST		
Monthly mean elevation:	176.83	Aug	Monthly mean elevation:	176.34	Jan
Daily mean elevation:	176.94	10 Aug	Daily mean elevation:	176.15	3 Jan
Instant/hourly elevation:	177.21	0100/25 Dec	Instant/hourly elevation:	176.01	1100/6 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.57	1 Jan
176.59	25 Feb
176.68	24 Mar
176.71	28 Apr
176.89	23 May
176.87	24 Jun
176.94	4 Jul
176.94	10 Aug
176.91	7 Sep
176.87	2 Oct
176.79	6 Nov
176.93	25 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.15	3 Jan
176.24	20 Feb
176.27	13 Mar
176.41	5 Apr
176.66	5 May
176.70	15 Jun
176.77	24 Jul
176.71	13 Aug
176.68	20 Sep
176.60	20 Oct
176.49	24 Nov
176.34	15 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
176.90							1	2	1			2	176.90	6
176.85					2	1	5	3	5	1			176.85	23
176.80					2	11	19	19	5	1			176.80	80
176.75					5	12	6	5	7	5	1	1	176.75	122
176.70				1	13	5		2	7	14		1	176.70	165
176.65			1	2	9	1			5	4	6	3	176.65	196
176.60			1	7						5	9	10	176.60	228
176.55	2	1		10						1	8	4	176.55	254
176.50	1			6							4	5	176.50	270
176.45		2	4	1							2	1	176.45	280
176.40	5	3	5	3								2	176.40	298
176.35	4	4	7										176.35	313
176.30	7	11	11									2	176.30	344
176.25	5	3	2										176.25	354
176.20	3	4											176.20	361
176.15	3												176.15	364
176.10	1												176.10	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 7044: Calumet Harbor, Illinois on Lake Michigan

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	176.57	176.35	176.38	176.56	176.66	176.77	176.86	176.89	176.79	176.80	176.55	176.78
2	176.35	176.30	176.31	176.54	176.70	176.73	176.82	176.82	176.78	176.87	176.51	176.65
3	176.15	176.31	176.35	176.49	176.75	176.73	176.85	176.77	176.87	176.72	176.61	176.34
4	176.18	176.30	176.32	176.54	176.67	176.73	176.94	176.81	176.87	176.77	176.60	176.45
5	176.19	176.25	176.32	176.41	176.66	176.80	176.87	176.82	176.82	176.73	176.64	176.49
6	176.17	176.25	176.34	176.44	176.77	176.81	176.84	176.85	176.84	176.74	176.79	176.52
7	176.30	176.35	176.40	176.44	176.73	176.77	176.83	176.78	176.91	176.75	176.58	176.61
8	176.23	176.41	176.40	176.55	176.67	176.77	176.85	176.82	176.86	176.77	176.52	176.61
9	176.24	176.34	176.33	176.63	176.70	176.79	176.86	176.81	176.73	176.81	176.66	176.41
10	176.29	176.37	176.31	176.56	176.72	176.76	176.83	176.94	176.78	176.69	176.70	176.51
11	176.30	176.33	176.33	176.62	176.73	176.76	176.83	176.93	176.85	176.70	176.64	176.56
12	176.32	176.40	176.32	176.67	176.71	176.80	176.83	176.85	176.83	176.71	176.55	176.68
13	176.51	176.35	176.27	176.62	176.69	176.81	176.84	176.71	176.86	176.76	176.61	176.65
14	176.45	176.33	176.40	176.54	176.71	176.76	176.82	176.80	176.86	176.64	176.59	176.55
15	176.22	176.41	176.32	176.51	176.73	176.70	176.79	176.84	176.75	176.65	176.65	176.34
16	176.32	176.47	176.28	176.53	176.71	176.75	176.90	176.83	176.77	176.72	176.56	176.71
17	176.35	176.39	176.34	176.56	176.68	176.82	176.90	176.73	176.69	176.74	176.49	176.51
18	176.38	176.39	176.39	176.57	176.70	176.82	176.81	176.82	176.74	176.73	176.59	176.52
19	176.34	176.28	176.42	176.60	176.75	176.85	176.79	176.84	176.77	176.67	176.60	176.66
20	176.40	176.24	176.41	176.59	176.75	176.81	176.79	176.87	176.68	176.60	176.61	176.63
21	176.43	176.25	176.38	176.58	176.75	176.78	176.81	176.86	176.85	176.63	176.67	176.60
22	176.30	176.32	176.42	176.57	176.77	176.79	176.78	176.85	176.80	176.65	176.70	176.63
23	176.29	176.31	176.47	176.60	176.89	176.84	176.80	176.82	176.77	176.74	176.61	176.63
24	176.56	176.48	176.68	176.61	176.86	176.87	176.77	176.81	176.69	176.75	176.49	176.91
25	176.43	176.59	176.63	176.59	176.84	176.81	176.82	176.80	176.70	176.77	176.67	176.93
26	176.38	176.43	176.47	176.65	176.76	176.75	176.81	176.83	176.71	176.71	176.66	176.67
27	176.40	176.32	176.42	176.65	176.75	176.77	176.82	176.84	176.72	176.63	176.60	176.64
28	176.42	176.34	176.39	176.71	176.75	176.83	176.83	176.84	176.70	176.70	176.57	176.59
29	176.35		176.46	176.63	176.77	176.85	176.81	176.79	176.75	176.71	176.63	176.59
30	176.34		176.42	176.70	176.81	176.84	176.81	176.82	176.74	176.74	176.61	176.63
31	176.41		176.49		176.80		176.84	176.84		176.74		176.64
MEAN	176.34	176.35	176.39	176.58	176.74	176.79	176.83	176.83	176.78	176.72	176.61	176.60
MAX.	176.86	176.67	176.78	177.05	177.01	176.98	177.05	177.12	177.01	177.01	176.99	177.21
	0100/14	1200/25	1000/24	1200/12	1300/23	0400/18	1000/04	1700/05	2000/03	0800/02	1200/06	0100/25
MIN.	176.01	176.13	176.16	176.21	176.54	176.58	176.67	176.56	176.57	176.41	176.37	176.20
	1100/06	0800/06	1100/04	1900/05	1400/05	1200/15	2200/29	1300/17	2100/09	0100/23	2300/16	1300/03

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 176.63

ANNUAL SUMMARY OF LEVELS, 1979

Station 7057: Milwaukee, Wisconsin on Lake Michigan

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	176.83	Aug	176.32	Jan
Daily mean elevation:	176.88	22 Aug	176.17	4 Jan
Instant/hourly elevation:	177.03	1700/24 Dec	176.11	1500/4 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.47	13 Jan
176.42	25 Feb
176.60	24 Mar
176.71	30 Apr
176.81	23 May
176.86	20 Jun
176.87	4 Jul
176.88	22 Aug
176.85	11 Sep
176.85	2 Oct
176.77	22 Nov
176.84	24 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.17	4 Jan
176.25	5 Feb
176.30	15 Mar
176.38	6 Apr
176.65	1 May
176.74	4 Jun
176.79	22 Jul
176.76	14 Aug
176.70	25 Sep
176.66	14 Oct
176.54	17 Nov
176.45	3 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
176.85						1	1	5					176.85	7
176.80					1	7	23	18	12	1		1	176.80	70
176.75					9	18	7	8	4	4	1	1	176.75	122
176.70				1	17	4			13	14	3	1	176.70	175
176.65				2	3				1	12	4	3	176.65	200
176.60				7	1						12	13	176.60	233
176.55			2	6							7	7	176.55	255
176.50				10							3	2	176.50	270
176.45	2		4	1								2	176.45	279
176.40	2	1	8	2								1	176.40	293
176.35	8	8	9	1									176.35	319
176.30	8	16	7										176.30	350
176.25	6	2	1										176.25	359
176.20	2	1											176.20	362
176.15	3												176.15	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 7057: Milwaukee, Wisconsin on Lake Michigan

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	176.44	176.32	176.36	176.52	176.65	176.77	176.83	176.84	176.83	176.77	176.64	176.72
2	176.32	176.33	176.31	176.52	176.72	176.74	176.81	176.81	176.81	176.85	176.54	176.64
3	176.21	176.35	176.37	176.47	176.75	176.74	176.85	176.80	176.83	176.74	176.62	176.45
4	176.17	176.27	176.40	176.53	176.66	176.74	176.87	176.83	176.83	176.74	176.62	176.52
5	176.18	176.25	176.36	176.43	176.70	176.76	176.82	176.84	176.81	176.74	176.68	176.57
6	176.20	176.31	176.36	176.38	176.80	176.79	176.82	176.84	176.81	176.72	176.73	176.58
7	176.27	176.33	176.41	176.44	176.77	176.79	176.83	176.80	176.84	176.71	176.60	176.65
8	176.26	176.34	176.39	176.55	176.73	176.77	176.83	176.81	176.84	176.74	176.54	176.60
9	176.24	176.32	176.36	176.55	176.74	176.80	176.83	176.83	176.77	176.76	176.65	176.49
10	176.27	176.35	176.32	176.52	176.76	176.77	176.82	176.88	176.81	176.70	176.66	176.61
11	176.29	176.36	176.33	176.61	176.74	176.76	176.83	176.86	176.85	176.74	176.64	176.61
12	176.34	176.37	176.31	176.70	176.70	176.79	176.83	176.84	176.83	176.68	176.59	176.63
13	176.47	176.35	176.35	176.65	176.72	176.80	176.83	176.78	176.81	176.69	176.61	176.65
14	176.36	176.35	176.32	176.54	176.72	176.80	176.82	176.76	176.78	176.66	176.62	176.57
15	176.27	176.39	176.30	176.52	176.73	176.75	176.80	176.78	176.74	176.68	176.64	176.47
16	176.33	176.39	176.31	176.52	176.72	176.79	176.84	176.81	176.79	176.74	176.58	176.62
17	176.33	176.37	176.37	176.54	176.74	176.80	176.84	176.80	176.72	176.72	176.54	176.52
18	176.36	176.38	176.41	176.56	176.73	176.81	176.81	176.83	176.73	176.74	176.64	176.56
19	176.39	176.32	176.43	176.59	176.76	176.83	176.80	176.82	176.75	176.72	176.66	176.67
20	176.40	176.30	176.41	176.60	176.73	176.86	176.81	176.85	176.71	176.69	176.60	176.64
21	176.37	176.31	176.37	176.60	176.71	176.80	176.79	176.86	176.75	176.69	176.71	176.63
22	176.30	176.34	176.41	176.56	176.77	176.77	176.79	176.88	176.74	176.75	176.77	176.65
23	176.34	176.34	176.47	176.60	176.81	176.76	176.80	176.86	176.76	176.70	176.65	176.66
24	176.46	176.38	176.60	176.62	176.77	176.81	176.80	176.81	176.72	176.70	176.59	176.84
25	176.36	176.42	176.56	176.62	176.76	176.81	176.83	176.80	176.70	176.72	176.68	176.79
26	176.35	176.37	176.45	176.62	176.74	176.78	176.81	176.84	176.71	176.71	176.72	176.66
27	176.41	176.31	176.42	176.62	176.75	176.78	176.83	176.85	176.73	176.70	176.59	176.64
28	176.38	176.34	176.44	176.67	176.74	176.81	176.81	176.83	176.72	176.69	176.59	176.58
29	176.31		176.46	176.65	176.75	176.85	176.80	176.81	176.75	176.70	176.63	176.58
30	176.31		176.49	176.71	176.79	176.81	176.83	176.80	176.72	176.76	176.61	176.62
31	176.37		176.49		176.80		176.82	176.84		176.79		176.63
MEAN	176.32	176.34	176.40	176.57	176.74	176.79	176.82	176.83	176.77	176.72	176.63	176.61
MAX.	176.63	176.50	176.67	176.92	176.88	177.00	176.95	177.00	176.93	176.93	176.87	177.03
	0200/01	1100/25	2200/24	0600/12	1200/23	1800/20	0500/04	0600/10	0200/11	2200/01	0200/26	1700/24
MIN.	176.11	176.22	176.23	176.21	176.60	176.65	176.73	176.68	176.65	176.59	176.45	176.38
	1500/04	0100/05	0900/14	1900/05	1900/01	1200/18	2100/28	0600/29	0300/18	0800/27	0500/17	1100/03

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 176.63

ANNUAL SUMMARY OF LEVELS, 1979
Station 7068: Kewaunee, Wisconsin on Lake Michigan

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	176.81	Aug	176.30	Jan
Daily mean elevation:	176.88	20 Jun	176.15	4 Jan
Instant/hourly elevation:	177.05	1700/20 Jun	176.12	2100/4 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.39	19 Jan
176.36	23 Feb
176.47	25 Mar
176.69	30 Apr
176.79	31 May
176.88	20 Jun
176.84	14 Jul
176.85	22 Aug
176.85	1 Sep
176.80	31 Oct
176.73	22 Nov
176.70	25 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.15	4 Jan
176.23	5 Feb
176.28	14 Mar
176.36	6 Apr
176.62	4 May
176.73	22 Jun
176.77	22 Jul
176.70	14 Aug
176.68	18 Sep
176.65	14 Oct
176.52	8 Nov
176.50	16 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
176.85						1							176.85	1
176.80						2	15	21	6				176.80	45
176.75					4	19	16	8	8	2			176.75	102
176.70					18	8		1	13	10	2		176.70	154
176.65				2	7			1	3	17	2	3	176.65	189
176.60				5	2					2	13	11	176.60	222
176.55				7							10	11	176.55	250
176.50				7							3	4	176.50	264
176.45			2	6								2	176.45	274
176.40			5	2									176.40	281
176.35	3	2	10	1									176.35	297
176.30	14	15	10										176.30	336
176.25	8	9	2										176.25	355
176.20	4	2											176.20	361
176.15	1												176.15	362
176.10	1												176.10	363

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 7068: Kewaunee, Wisconsin on Lake Michigan

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	176.35	176.28	176.32	176.49	176.63	176.77	176.80	176.81	176.85	176.70	176.70	176.67
2	176.31	176.31	176.31	176.50	176.69	176.73	176.81	176.81	176.79	176.76	176.54	176.64
3	176.23	176.32	176.34	176.45	176.70	176.75	176.80	176.79	176.79	176.73	176.58	176.51
4	176.15	176.25	176.42	176.50	176.62	176.74	176.83	176.81	176.83	176.70	176.62	176.50
5	176.19	176.23	176.35	176.46	176.69	176.73	176.80	176.81	176.81	176.73	176.65	176.59
6	176.24	176.31	176.36	176.36	176.77	176.77	176.81	176.83	176.77	176.68	176.67	176.58
7	176.26	176.30	176.37	176.41	176.78	176.79	176.81	176.81	176.78	176.70	176.63	176.63
8	176.28	176.27	176.38	176.51	176.73	176.74	176.81	176.77	176.82	176.73	176.52	176.57
9	176.24	176.31	176.36	176.52	176.70	176.77	176.81	176.82	176.80	176.72	176.59	176.52
10	176.26	176.30	176.31	176.50	176.73	176.78	176.81	176.84	176.77	176.69	176.63	176.64
11	176.28	176.34	176.32	176.54	176.72	176.74	176.82	176.84	176.84	176.73	176.63	176.60
12	176.33	176.32	176.31	176.66	176.68	176.77	176.81	176.84	176.83	176.66	176.59	176.56
13	176.35	176.33	176.37	176.64	176.71	176.77	176.82	176.77	176.78	176.65	176.60	176.64
14	176.31	176.34	176.28	176.53	176.71	176.79	176.84	176.70	176.75	176.65	176.61	176.56
15	176.25	176.36	176.30	176.51	176.71	176.76	176.79	176.75	176.74	176.67	176.60	176.55
16	176.30	176.31	176.32	176.50	176.70	176.79	176.78	176.79	176.77	176.70	176.61	176.50
17	176.32	176.32	176.35	176.52	176.75	176.77	176.81	176.80	176.73	176.68	176.54	176.54
18	176.33	176.34	176.37	176.53	176.74	176.77	176.80	176.81	176.68	176.71	176.64	176.57
19	176.39	176.33	176.40	176.56	176.74	176.83	176.79	176.80	176.74	176.73	176.64	176.64
20	176.38	176.30	176.38	176.59	176.72	176.88	176.79	176.81	176.71	176.68	176.59	176.63
21	176.33	176.32	176.35	176.58	176.70	176.80	176.78	176.82	176.71	176.68	176.63	176.63
22	176.29	176.30	176.38	176.56	176.74	176.73	176.77	176.85	176.72	176.75	176.73	176.63
23	176.35	176.36	176.43	176.58	176.75	176.75	176.79	176.84	176.74	176.71	176.64	176.66
24	176.35	176.28	176.43	176.61	176.72	176.80	176.80	176.82	176.74	176.67	176.60	176.64
25	176.32	176.33	176.47	176.62	176.71	176.79	176.81	176.78	176.70	176.67	176.63	176.70
26	176.31	176.32	176.42	176.60	176.73	176.78	176.79	176.82	176.71	176.69	176.72	176.63
27	176.36	176.29	176.38*	176.59	176.74	176.77	176.83	176.82	176.73	176.70	176.57	176.60
28	176.33	176.29	/	176.63	176.73	176.79	176.79	176.82	176.71	176.66	176.60	176.56
29	176.29		/	176.62	176.73	176.82	176.80	176.83	176.72	176.67	176.62	176.56
30	176.29		176.46*	176.69	176.76	176.80	176.83	176.79	176.70	176.72	176.60	176.59
31	176.31		176.43		176.79		176.78	176.84		176.80		176.63
MEAN	176.30	176.31	176.37	176.55	176.72	176.78	176.80	176.81	176.76	176.70	176.62	176.60
MAX.	176.51	176.46	176.64	176.88	176.85	177.05	176.96	176.93	176.93	176.90	176.88	176.78
	0300/13	0800/23	1900/30	0200/12	1500/30	1700/20	1400/30	1600/06	0200/01	2000/22	0100/01	0800/20
MIN.	176.12	176.17	176.21	176.29	176.55	176.63	176.69	176.66	176.63	176.54	176.49	176.39
	2100/04	2300/04	1700/14	1900/06	0300/04	2000/08	1800/31	1300/05	0800/18	2300/12	2100/20	0200/04

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 176.61

ANNUAL SUMMARY OF LEVELS, 1979

Station 7072: Sturgeon Bay Canal, Wisconsin on Lake Michigan

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST		
Monthly mean elevation:	176.80	Aug	Monthly mean elevation:	176.29	Jan
Daily mean elevation:	176.85	23 Aug	Daily mean elevation:	176.15	4 Jan
Instant/hourly elevation:	176.92	0500/9 Aug	Instant/hourly elevation:	176.13	2100/4 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.38	19 Jan
176.35	15 Feb
176.47	30 Mar
176.68	30 Apr
176.78	31 May
176.81	20 Jun
176.81	30 Jul
176.85	23 Aug
176.83	12 Sep
176.78	31 Oct
176.74	22 Nov
176.68	25 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.15	4 Jan
176.23	5 Feb
176.28	15 Mar
176.31	6 Apr
176.61	1 May
176.70	5 Jun
176.76	22 Jul
176.69	14 Aug
176.67	18 Sep
176.63	14 Oct
176.50	8 Nov
176.47	3 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
176.80						1	8	15	5				176.80	29
176.75					3	15	23	14	9	3			176.75	96
176.70					15	13		1	13	9	2		176.70	149
176.65				2	11	1		1	3	15	4	2	176.65	188
176.60				3	2					4	9	12	176.60	218
176.55				8							11	9	176.55	246
176.50				6							3	4	176.50	259
176.45			1	8							1	4	176.45	273
176.40			6	1									176.40	280
176.35	2		13	1									176.35	296
176.30	11	15	9	1									176.30	332
176.25	10	10	2										176.25	354
176.20	6	3											176.20	363
176.15	1												176.15	364
176.10	1												176.10	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 7072: Sturgeon Bay Canal, Wisconsin on Lake Michigan

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	176.34	176.27	176.32	176.46	176.61	176.75	176.81	176.80	176.82	176.71	176.67	176.66
2	176.30	176.30	176.31	176.47	176.67	176.72	176.78	176.80	176.80	176.76	176.53	176.63
3	176.22	176.33	176.32	176.45	176.70	176.74	176.79	176.78	176.79	176.73	176.59	176.47
4	176.15	176.24	176.39	176.49	176.62	176.74	176.81	176.80	176.82	176.70	176.62	176.50
5	176.18	176.23	176.35	176.47	176.67	176.70	176.79	176.81	176.79	176.72	176.65	176.59
6	176.23	176.33	176.36	176.31	176.77	176.76	176.79	176.80	176.77	176.67	176.66	176.56
7	176.25	176.30	176.36	176.40	176.77	176.77	176.79	176.79	176.79	176.68	176.61	176.61
8	176.28	176.26	176.37	176.49	176.71	176.73	176.80	176.79	176.81	176.71	176.50	176.55
9	176.23	176.31	176.36	176.49	176.70	176.76	176.81	176.82	176.77	176.73	176.58	176.50
10	176.24	176.28	176.32	176.48	176.72	176.75	176.80	176.82	176.75	176.69	176.62	176.64
11	176.27	176.33	176.31	176.53	176.72	176.72	176.81	176.82	176.83	176.72	176.63	176.60
12	176.32	176.31	176.32	176.67	176.67	176.75	176.81	176.80	176.83	176.64	176.59	176.58
13	176.33	176.33	176.37	176.62	176.70	176.76	176.81	176.77	176.79	176.64	176.60	176.63
14	176.30	176.35	176.28	176.54	176.71	176.76	176.80	176.69	176.76	176.63	176.60	176.54
15	176.23	176.35	176.28	176.51	176.70	176.74	176.78	176.74	176.74	176.65	176.59	176.52
16	176.28	176.29	176.31	176.49	176.69	176.76	176.79	176.78	176.77	176.70	176.59	176.50
17	176.32	176.31	176.35	176.52	176.70	176.76	176.80	176.79	176.71	176.67	176.52	176.52
18	176.32	176.33	176.37	176.52	176.71	176.75	176.79	176.81	176.67	176.70	176.63	176.57
19	176.38	176.33	176.41	176.55	176.74	176.79	176.77	176.81	176.73	176.72	176.66	176.61
20	176.37	176.31	176.39	176.57	176.71	176.81	176.78	176.82	176.71	176.68	176.56	176.62
21	176.32	176.33	176.36	176.58	176.70	176.80	176.77	176.81	176.70	176.68	176.66	176.62
22	176.28	176.31	176.36	176.56	176.72	176.74	176.76	176.84	176.72	176.75	176.74	176.61
23	176.35	176.34	176.41	176.57	176.75	176.75	176.79	176.85	176.73	176.72	176.63	176.63
24	176.35	176.25	176.40	176.59	176.72	176.78	176.78	176.82	176.73	176.67	176.58	176.63
25	176.31	176.30	176.44	176.60	176.70	176.77	176.80	176.77	176.69	176.66	176.62	176.68
26	176.30	176.30	176.41	176.60	176.71	176.77	176.79	176.80	176.71	176.67	176.72	176.62
27	176.34	176.29	176.38	176.57	176.73	176.75	176.81	176.81	176.73	176.70	176.54	176.60
28	176.33	176.30	176.44	176.63	176.73	176.78	176.80	176.82	176.71	176.67	176.58	176.56
29	176.27		176.40	176.61	176.72	176.79	176.78	176.83	176.72	176.66	176.61	176.56
30	176.27		176.47	176.68	176.75	176.79	176.81	176.78	176.71	176.73	176.59	176.58
31	176.30		176.42		176.78		176.78	176.83		176.78		176.61
MEAN	176.29	176.30	176.37	176.53	176.71	176.76	176.79	176.80	176.75	176.70	176.61	176.58
MAX.	176.43	176.42	176.54	176.81	176.82	176.92	176.88	176.92	176.89	176.86	176.86	176.74
	0500/01	1900/14	1900/30	1800/12	1900/06	1900/20	2100/30	0500/09	0900/11	1600/22	0100/01	1000/25
MIN.	176.13	176.17	176.19	176.25	176.57	176.67	176.67	176.65	176.65	176.54	176.43	176.40
	2100/04	0900/05	0200/03	0100/06	1500/01	1300/18	1500/02	1800/14	1000/18	2400/12	1100/08	0700/16

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 176.60

ANNUAL SUMMARY OF LEVELS, 1979

Station 7078: Green Bay, Wisconsin on Lake Michigan (Green Bay)

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	176.79	Aug	176.25	Jan
Daily mean elevation:	176.92	10 Sep	176.10	4 Jan
Instant/hourly elevation:	177.22	2100/31 Aug	175.92	0400/15 Mar

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.38	19 Jan
176.34	23 Feb
176.48	30 Mar
176.73	30 Apr
176.87	23 May
176.84	17 Jun
176.88	25 Jul
176.88	10 Aug
176.92	10 Sep
176.89	22 Oct
176.84	22 Nov
176.75	24 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.10	4 Jan
176.19	5 Feb
176.24	15 Mar
176.27	6 Apr
176.57	1 May
176.68	15 Jun
176.73	21 Jul
176.69	13 Aug
176.68	30 Sep
176.55	12 Oct
176.36	2 Nov
176.15	3 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
176.90									1				176.90	1
176.85					1		3	2	1	1			176.85	9
176.80					1	2	5	9	3	2	2		176.80	33
176.75					2	8	20	11	4	1			176.75	79
176.70				1	9	14	3	7	3	4	2	1	176.70	123
176.65				1	9	6		2	2	15	1	3	176.65	162
176.60				1	5					5	3	5	176.60	181
176.55				7	2					2	4	9	176.55	205
176.50				6						1	7	4	176.50	223
176.45			1	7							4	4	176.45	239
176.40			2	5							2	2	176.40	250
176.35	1		10	1							3	2	176.35	267
176.30	2	4	10										176.30	283
176.25	13	16	7	1									176.25	320
176.20	9	5	1										176.20	335
176.15	4	3											176.15	342
176.10	1											1	176.10	344
176.05	1												176.05	345

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 7078: Green Bay, Wisconsin on Lake Michigan (Green Bay)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	176.29	176.23	176.28	176.46	176.57	176.72	176.84	176.82	176.76	176.81	176.40	176.70
2	176.27	176.26	176.28	176.45	176.68*	176.68	176.79	176.76	176.77	176.84	176.36	176.46
3	176.19	176.30	176.31	176.42	176.70	176.69	176.80	176.75	176.84	176.68	176.49	176.15
4	176.10	176.20	176.36	176.46	176.60	176.71	176.88	176.82	176.79	176.69	176.52	176.44
5	176.15	176.19	176.32	176.42	176.68	176.72	176.79	176.86	176.75	176.66	176.67	176.52
6	176.21	176.31	176.33	176.27	176.83	176.72	176.76	176.80	176.78	176.70	176.72	176.51
7	176.24	176.26	176.32	176.38	176.75	176.75	176.77	176.75	176.85*	176.64	176.45	176.62
8	176.27	176.20	176.33	176.51	176.73	176.75	176.80	176.77	/	176.74	176.38	176.49
9	176.20	176.29	176.34	176.47	176.73	176.79	176.81	176.82	/	176.70	176.64	176.39
10	176.20	176.26	176.29	176.45	176.72	176.75	176.80	176.88	176.92*	176.62	176.60	176.60
11	176.25	176.31	176.28	176.54	176.66	176.74	176.80	176.80	176.84	176.70	176.53	176.60
12	176.30	176.27	176.30	176.68	176.64	176.74	176.81	176.73	176.87*	176.55	176.49	176.60
13	176.29	176.29	176.36	176.59	176.66	176.74	176.78	176.69	/	176.59	176.56	176.56
14	176.25	176.34	176.26	176.49	176.69*	176.70	176.80	176.70	/	176.57	176.54	176.48
15	176.20	176.30	176.24	176.47	176.71*	176.68	176.76	176.74	/	176.62	176.61	176.36
16	176.25	176.24	176.30	176.45	176.65	176.76	176.87	176.74*	/	176.67	176.47*	176.57
17	176.29	176.27	176.34	176.49	176.63	176.84	176.80	176.77*	/	176.66	/	176.45
18	176.29	176.30	176.36	176.50	176.68*	176.78	176.76	176.80	/	176.68	/	176.54
19	176.38	176.30	176.40	176.54	/	176.73	176.77	176.79	/	176.68	176.60*	176.62
20	176.34	176.29	176.38	176.55	/	176.74	176.77	176.82	/	176.66	176.55	176.61
21	176.28	176.29	176.33	176.55	176.67*	176.70	176.73	176.83	/	176.77	176.84	176.61
22	176.26	176.27	176.34	176.54	176.72	176.76	176.75	176.83	/	176.89	176.84	176.61
23	176.33	176.34	176.41	176.56	176.87	176.79	176.77	176.84	/	176.75	176.52	176.66
24	176.27	176.22	176.37	176.57	176.76	176.78	176.77	176.75	/	176.67	176.51	176.75
25	176.26	176.24	176.38	176.59	176.72	176.74	176.88	176.73	/	176.68	176.61	176.68
26	176.25	176.26	176.37	176.56	176.68	176.70	176.78	176.76	/	176.64	176.73	176.60
27	176.30	176.25	176.35	176.59	176.65	176.75	176.81	176.82	176.68*	176.63	176.43	176.57
28	176.28	176.26	176.44	176.61	176.65	176.78	176.79	176.79	176.72	176.66	176.49	176.50
29	176.23		176.40	176.59	176.71	176.81	176.75	176.77	176.73	176.66	176.59	176.52
30	176.23		176.48	176.73	176.74	176.77	176.80	176.78	176.68	176.73	176.54	176.56
31	176.24		176.40		176.76		176.83	176.84		176.74		176.60
MEAN	176.25	176.27	176.34	176.52	176.70	176.74	176.79	176.79	176.78	176.69	176.56	176.55
MAX.	176.53	176.52	176.63	176.92	177.10	176.98	177.16	177.22	177.13	177.13	177.12	177.00
	2400/19	0500/23	2100/30	0600/12	0600/23	0400/11	0800/25	2100/31	1200/10	0100/23	2300/21	0300/08
MIN.	175.97	176.04	175.92	175.98	176.30	176.50	176.61	176.50	176.60	176.31	176.08	175.98
	0200/10	1000/05	0400/15	1300/06	1400/11	0200/21	0300/29	0100/07	2200/30	1400/12	1900/01	0300/03

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 176.58

ANNUAL SUMMARY OF LEVELS, 1979

Station 7079: Green Bay, Wisconsin on Lake Michigan

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	176.74	Sep	176.56	Dec
Daily mean elevation:	176.86	12 Sep	176.22	3 Dec
Instant/hourly elevation:	177.13	1200/10 Sep	176.05	0300/3 Dec

HIGHEST DAILY MEAN FOR EACH MONTH		LOWEST DAILY MEAN FOR EACH MONTH	
Elev.	Date	Elev.	Date
	Jan		Jan
	Feb		Feb
	Mar		Mar
	Apr		Apr
	May		May
	Jun		Jun
	Jul		Jul
	Aug		Aug
176.86	12 Sep	176.60	17 Sep
176.83	1 Oct	176.56	12 Oct
176.84	21 Nov	176.39	8 Nov
176.76	24 Dec	176.22	3 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
176.85									1				176.85	1
176.80									4	1	2		176.80	8
176.75									6	2	1	1	176.75	18
176.70									7	3		1	176.70	29
176.65									10	8	2	2	176.65	51
176.60									1	4	6	6	176.60	68
176.55									1	3	4	8	176.55	84
176.50											6	5	176.50	95
176.45											4	4	176.45	103
176.40											3	1	176.40	107
176.35											2	2	176.35	111
176.30													176.30	111
176.25													176.25	111
176.20												1	176.20	112

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 7079: Green Bay, Wisconsin on Lake Michigan

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	/	/	/	/	/	/	/	/	176.76	176.83*	176.41*	176.75
2	/	/	/	/	/	/	/	/	176.77	176.77*	176.39	176.52
3	/	/	/	/	/	/	/	/	176.84	176.68	176.54	176.22
4	/	/	/	/	/	/	/	/	176.78*	176.70	176.58	176.46
5	/	/	/	/	/	/	/	/	176.75	176.67	176.70	176.53
6	/	/	/	/	/	/	/	/	176.78	176.71	176.77	176.52
7	/	/	/	/	/	/	/	/	176.85	176.65	176.48	176.63
8	/	/	/	/	/	/	/	/	176.78*	176.74	176.39	176.49
9	/	/	/	/	/	/	/	/	176.69*	176.70	176.65	176.40
10	/	/	/	/	/	/	/	/	176.83	176.63	176.63	176.60
11	/	/	/	/	/	/	/	/	176.84	176.70	176.55	176.60
12	/	/	/	/	/	/	/	/	176.86	176.56	176.50	176.60
13	/	/	/	/	/	/	/	/	176.80	176.60	176.58	176.57
14	/	/	/	/	/	/	/	/	176.74	176.58	176.55	176.48
15	/	/	/	/	/	/	/	/	176.67	176.63	176.62	176.36
16	/	/	/	/	/	/	/	/	176.73	176.69	176.45	176.57
17	/	/	/	/	/	/	/	/	176.60	176.72	176.50	176.45
18	/	/	/	/	/	/	/	/	176.68	176.70	176.63	176.54
19	/	/	/	/	/	/	/	/	176.70	176.69	176.64	176.62
20	/	/	/	/	/	/	/	/	176.66	176.65	176.56	176.62
21	/	/	/	/	/	/	/	/	176.70	176.76	176.84	176.62
22	/	/	/	/	/	/	/	/	176.70	/	176.83	176.62
23	/	/	/	/	/	/	/	/	176.71	/	176.52	176.66
24	/	/	/	/	/	/	/	/	176.67	/	176.52	176.76
25	/	/	/	/	/	/	/	/	176.64*	/	176.62	176.68
26	/	/	/	/	/	/	/	/	176.71	/	176.68	176.61
27	/	/	/	/	/	/	/	/	176.69	/	176.43	176.57
28	/	/	/	/	/	/	/	/	176.72	/	176.49	176.50
29	/		/	/	/	/	/	/	176.73	/	176.60	176.52
30	/		/	/	/	/	/	/	176.68	/	176.55	176.57
31	/		/		/		/	/		/		176.60
MEAN	/	/	/	/	/	/	/	/	176.74	176.68	176.57	176.56
MAX.									177.13	177.03	177.09	177.00
									1200/10	1900/01	2400/21	0300/08
MIN.									176.45	176.32	176.12	176.05
									0900/20	1400/12	0200/27	0300/03

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 176.64

ANNUAL SUMMARY OF LEVELS, 1979

Station 7096: Port Inland, Michigan on Lake Michigan

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	176.79	Aug	176.26	Feb
Daily mean elevation:	176.86	20 Jun	176.18	4 Jan
Instant/hourly elevation:	177.07	2300/16 Jun	176.06	1616/14 Mar

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.33	17 Jan
176.34	23 Feb
176.45	30 Mar
176.63	12 Apr
176.74	18 May
176.86	20 Jun
176.82	30 Jul
176.85	29 Aug
176.85	1 Sep
176.77	19 Oct
176.83	1 Nov
176.67	10 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.18	4 Jan
176.19	8 Feb
176.24	14 Mar
176.28	6 Apr
176.58	4 May
176.68	5 Jun
176.72	16 Jul
176.66	14 Aug
176.66	18 Sep
176.57	13 Oct
176.52	17 Nov
176.43	16 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
176.85						1							176.85	1
176.80						1	2	8	6		1		176.80	19
176.75						5	22	21	7	1			176.75	75
176.70					5	17	7		12	4	1		176.70	121
176.65					13	6		2	5	10		3	176.65	160
176.60				2	6					11	10	4	176.60	193
176.55				6	2					4	12	14	176.55	231
176.50				6							6	9	176.50	252
176.45				6									176.45	258
176.40			2	8								1	176.40	269
176.35			3	1									176.35	273
176.30	5	5	16										176.30	299
176.25	12	8	8	1									176.25	328
176.20	13	11	2										176.20	354
176.15	1	3											176.15	358

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 7096: Port Inland, Michigan on Lake Michigan

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	176.27	176.22	176.26*	176.42	176.59*	176.74*	176.75	176.76	176.85	176.67	176.83*	176.58
2	176.31	176.26	176.29*	176.44*	176.64*	176.70*	176.75	176.79	176.81	176.69	176.60	176.62
3	176.27	176.31	176.26	176.41*	176.63*	176.71*	176.76	176.77	176.76	176.69	176.59	176.64
4	176.18	176.24	176.35	176.44*	176.58*	176.71*	176.76	176.80*	176.82*	176.66	176.62	176.52
5	176.22	176.20	176.31	176.49*	176.61*	176.68	176.75	176.77	176.82	176.71	176.63	176.66
6	176.28	176.33	176.31	176.28*	176.69*	176.73	176.78	176.78	176.78	176.63	176.58	176.58
7	176.25	176.29	176.28	176.37*	176.74*	176.77	176.78	176.81	176.73	176.62	176.63	176.58
8	176.33	176.19	176.31	176.45*	176.66*	176.70	176.78	176.76	176.77	176.66	176.55	176.55
9	176.23	176.29	176.34	176.43*	/	176.72	176.79	176.81	176.81	176.67	176.55	176.54
10	176.25	176.23	176.30	176.42	176.66*	176.74	176.78	176.78	176.73	176.64	176.58	176.67
11	176.27	176.30	176.30	176.45	176.69	176.70	176.79	176.77	176.82*	176.72	176.62	176.60
12	176.28	176.24	176.29	176.63	176.62	176.74	176.78	176.80	176.80	176.63	176.60	176.51
13	176.23	176.26	176.36	176.60	176.67	176.74	176.79	176.81	176.75	176.57	176.57	176.63
14	176.27	176.30	176.24	176.49	176.67	176.80	176.81	176.66	176.70	176.62	176.58	176.56
15	176.24	176.25	176.28	176.48	176.66	176.76	176.79	176.70	176.71	176.63	176.53	176.66*
16	176.26	176.23	176.34	176.47	176.65*	176.75	176.72	176.77	176.77	176.67	176.64	176.43
17	176.33	176.25	176.33	176.48	176.74*	176.74	176.76	176.80	176.79	176.60	176.52	176.54*
18	176.26	176.25	176.33	176.49*	176.74*	176.72	176.77	176.78	176.66	176.65	176.63	176.62*
19	176.32	176.31	176.35	176.52*	/	176.75	176.77	176.77	176.74	176.77*	176.64	176.60*
20	176.31	176.29	176.35	176.54	/	176.86	176.77	176.79	176.74	/	176.55	176.60
21	176.28	176.31	176.33	176.55	176.66*	176.82	176.78	176.79	176.69	176.65	176.55*	176.59
22	176.25	176.24	176.32	176.53	176.66*	176.69	176.75	176.83	176.71	176.68	176.65*	176.59
23	176.30	176.34*	176.35	176.53	176.69	176.70*	176.78	176.83	176.72	176.67	176.65	176.56
24	176.28	176.20*	176.25	176.56	176.65*	176.74	176.78	176.82	176.76	176.59	176.63	176.52
25	176.25	/	176.32	176.58	176.66*	176.75	176.77	176.77	176.71	176.58	176.60	176.56
26	176.25	176.24*	176.34	176.56	/	176.79	176.75*	176.80	176.70	176.62	176.72	176.57
27	176.27	176.24*	176.35	176.53	/	176.72	176.78	176.80	176.74	176.72	176.60	176.56
28	176.25	176.26*	176.43	176.57*	176.70*	176.75	176.77	176.80	176.71	176.63	176.60	176.55
29	176.22		176.36	176.56	176.69*	176.77	176.76	176.85	176.71	176.63	176.59	176.54
30	176.24		176.45	176.61	176.71	176.75	176.82	176.77	176.70	176.69	176.56	176.55
31	176.24		176.37		176.73*		176.75	176.83		176.75*		176.58
MEAN	176.26	176.26	176.32	176.50	176.67	176.74	176.77	176.79	176.75	176.66	176.61	176.58
MAX.	176.44	176.44	176.63	176.95	176.87	177.07	176.94	177.02	177.02	176.86	177.02	176.87
	1900/08	1315/23	0832/30	0542/12	1215/17	2300/16	1500/30	0525/07	0130/01	1655/22	1212/01	0450/15
MIN.	176.12	176.11	176.06	176.18	176.52	176.51	176.66	176.56	176.58	176.46	176.39	176.26
	0325/14	1314/24	1616/14	1944/06	0105/12	1130/20	0535/16	1745/14	1710/18	0120/13	0310/21	1104/16

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 176.58

ANNUAL SUMMARY OF LEVELS, 1979

Station 9004: Pt. Iroquois, Brimley, Michigan on Lake Superior (Whitefish Bay

INTERNATIONAL GREAT LAKES DATUM (1955)

HIGHEST			LOWEST		
Monthly mean elevation:	183.31	Aug	Monthly mean elevation:	182.84	Feb
Daily mean elevation:	183.46	14 Aug	Daily mean elevation:	182.76	14 Feb
Instant/hourly elevation:	183.55	1300/8 Nov	Instant/hourly elevation:	182.61	0300/23 Feb

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
183.06	4 Jan
182.97	4 Feb
182.97	24 Mar
183.13	6 Apr
183.22	27 May
183.39	22 Jun
183.38	1 Jul
183.46	14 Aug
183.39	18 Sep
183.37	23 Oct
183.36	8 Nov
183.25	16 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
182.81	19 Jan
182.76	14 Feb
182.78	2 Mar
182.77	12 Apr
182.96	7 May
183.15	6 Jun
183.27	23 Jul
183.24	31 Aug
183.22	27 Sep
183.12	31 Oct
183.15	18 Nov
183.06	21 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
183.45								1					183.45	1
183.40													183.40	1
183.35						2	2	4	5	1	1		183.35	16
183.30						8	13	11	6	6	3		183.30	63
183.25						6	16	11	17	7	11		183.25	131
183.20					7	10		4	2	10	9	10	183.20	183
183.15					6	3				5	5	9	183.15	211
183.10				1	4	1				2	1	8	183.10	228
183.05	1				8							4	183.05	241
183.00	1			5	3								183.00	250
182.95	5	1	1	6	3								182.95	266
182.90	11		7	10									182.90	294
182.85	10	10	10	6									182.85	330
182.80	3	12	11	1									182.80	357
182.75		5	2	1									182.75	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 9004: Pt. Iroquois, Brimley, Michigan on Lake Superior (Whitefish Bay

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	182.98	182.88	182.83	182.90	183.01	183.22	183.38	183.34	183.26	183.27	183.24	183.24
2	182.97	182.83	182.78	182.95	182.98	183.19	183.35	183.32	183.36	183.27	183.29	183.20
3	182.99	182.84	182.84	182.91	183.08	183.20	183.32	183.33	183.35	183.27	183.31	183.21
4	183.06	182.97	182.89	182.89	183.06	183.21	183.35	183.32	183.27	183.29	183.26	183.22
5	182.97	182.87	182.90	182.96	183.02	183.22	183.33	183.36	183.29	183.25	183.28	183.19
6	182.93	182.79	182.86	183.13	183.00	183.15	183.31	183.30	183.37	183.31	183.31	183.20
7	182.95	182.89	182.89	182.92	182.96	183.21	183.30	183.33	183.36	183.28	183.24	183.25
8	182.93	182.90	182.85	182.90	183.06	183.25	183.29	183.36	183.30	183.23	183.36	183.25
9	182.99	182.85	182.85	182.95	183.08	183.24	183.29	183.31	183.27	183.25	183.29	183.21
10	182.94	182.86	182.92	182.91	183.06	183.32	183.29	183.38	183.33	183.23	183.29	183.08
11	182.91	182.81	182.90	182.86	183.10	183.28	183.30	183.34	183.26	183.18	183.23	183.24
12	182.88	182.86	182.85	182.77	183.12	183.28	183.29	183.28	183.30	183.31	183.25	183.21
13	182.92	182.81	182.86	182.85	183.10	183.25	183.28	183.34	183.34	183.31	183.27	183.13
14	183.01	182.76	182.95	182.92	183.13	183.21	183.29	183.46	183.36	183.24	183.24	183.20
15	182.95	182.81	182.87	182.96	183.15	183.25	183.31	183.38	183.34	183.23	183.27	183.18
16	182.90	182.88	182.84	182.96	183.10	183.29	183.34	183.31	183.29	183.18	183.22	183.25
17	182.88	182.83	182.81	182.96	183.04	183.34	183.32	183.29	183.28	183.25	183.23	183.22
18	182.85	182.80	182.81	182.93	183.11	183.31	183.29	183.31	183.39	183.14	183.15	183.08
19	182.81	182.79	182.79	182.90	183.17	183.25	183.29	183.30	183.30	183.18	183.17	183.11
20	182.85	182.81	182.84	182.90	183.18	183.19	183.29	183.30	183.31	183.16	183.28	183.07
21	182.90	182.86	182.86	182.96	183.21	183.29	183.28	183.27	183.35	183.25	183.21	183.06
22	182.90	182.80	182.85	182.94	183.18	183.39	183.31	183.24	183.30	183.29	183.19	183.12
23	182.86	182.82	182.92	182.95	183.21	183.38	183.27	183.25	183.26	183.37	183.18	183.14
24	182.92	182.90	182.97	182.94	183.22	183.32	183.29	183.29	183.25	183.34	183.18	183.16
25	182.94	182.86	182.95	182.97	183.22	183.28	183.35	183.30	183.29	183.32	183.18	183.15
26	182.90	182.84	182.93	183.05	183.22	183.28	183.32	183.27	183.26	183.26	183.26	183.13
27	182.89	182.82	182.88	183.04	183.22	183.32	183.32	183.30	183.22	183.21	183.28	183.17
28	182.91	182.84	182.84	183.04	183.21	183.31	183.32	183.25	183.27	183.31	183.25	183.17
29	182.91		182.91	183.01	183.20	183.32	183.29	183.28	183.28	183.24	183.31	183.17
30	182.89		182.90	183.04	183.17	183.35	183.30	183.33	183.28	183.19	183.26	183.15
31	182.89		182.95		183.16		183.37	183.24		183.12		183.14
MEAN	182.92	182.84	182.87	182.95	183.12	183.27	183.31	183.31	183.30	183.25	183.25	183.17
MAX.	183.11	183.04	183.08	183.45	183.32	183.49	183.47	183.52	183.48	183.45	183.55	183.46
	1300/04	2000/23	1900/30	0100/06	2000/20	1200/10	0500/31	0100/14	2100/06	1900/23	1300/08	2200/15
MIN.	182.74	182.61	182.72	182.61	182.86	183.03	183.21	183.01	183.08	183.04	183.07	182.91
	1100/19	0300/23	1800/02	0700/12	0200/07	1800/06	0100/24	1800/31	1300/01	1900/31	1800/18	1100/10

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 183.13

ANNUAL SUMMARY OF LEVELS, 1979
Station 9016: Marquette, Michigan on Lake Superior

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	183.34	Jul	182.86	Feb
Daily mean elevation:	183.40	23 Oct	182.84	2 Mar
Instant/hourly elevation:	183.56	1900/6 Aug	182.71	2100/13 Feb

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
183.00	1 Jan
182.92	8 Feb
182.98	24 Mar
183.05	30 Apr
183.23	31 May
183.35	30 Jun
183.36	31 Jul
183.38	14 Aug
183.37	6 Sep
183.40	23 Oct
183.30	6 Nov
183.28	1 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
182.87	19 Jan
182.84	19 Feb
182.84	2 Mar
182.91	14 Apr
183.04	8 May
183.23	2 Jun
183.32	21 Jul
183.30	28 Aug
183.28	27 Sep
183.22	18 Oct
183.21	24 Nov
183.14	18 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
183.35							2	7	4	1			183.35	14
183.30						16	29	23	18	4			183.30	104
183.25						8		1	8	15	17	2	183.25	155
183.20					11	6				11	13	8	183.20	204
183.15					4							13	183.15	221
183.10					6							8	183.10	235
183.05					4								183.05	239
183.00				5	6								183.00	250
182.95	1		1	5									182.95	257
182.90	16	2	6	20									182.90	301
182.85	14	17	23										182.85	355
182.80		9	1										182.80	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 9016: Marquette, Michigan on Lake Superior

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	183.00	182.88	182.86	182.92	183.04	183.24	183.34	183.36	183.32	183.29	183.26	183.28
2	182.94	182.86	182.84	182.92	183.05	183.23	183.34	183.35	183.34	183.29	183.27	183.22
3	182.93	182.86	182.88	182.91	183.06	183.24	183.33	183.36	183.36	183.29	183.28	183.19
4	182.95	182.88	182.92	182.91	183.05	183.24	183.33	183.36	183.32	183.29	183.28	183.20
5	182.92	182.86	182.90	182.94	183.06	183.24	183.34	183.36	183.33	183.26	183.30	183.22
6	182.90	182.86	182.89	182.94	183.05	183.24	183.34	183.36	183.37	183.30	183.30	183.21
7	182.92	182.91	182.90	182.91	183.05	183.28	183.34	183.35	183.36	183.28	183.24	183.26
8	182.91	182.92	182.89	182.92	183.04	183.28	183.34	183.35	183.33	183.26	183.28	183.21
9	182.94	182.86	182.88	182.93	183.10	183.29	183.33	183.35	183.32	183.25	183.29	183.21
10	182.93	182.87	182.88	182.92	183.10	183.31	183.33	183.37	183.35	183.24	183.28	183.18
11	182.90	182.85	182.88	182.91	183.14	183.30	183.33	183.35	183.33	183.23	183.25	183.23
12	182.90	182.86	182.88	182.91	183.13	183.30	183.33	183.32	183.33	183.31	183.25	183.24
13	182.94	182.84	182.89	182.92	183.13	183.29	183.34	183.33	183.35	183.29	183.27	183.19
14	182.94	182.85	182.90	182.91	183.15	183.29	183.32	183.38	183.36	183.22	183.25	183.18
15	182.90	182.86	182.87	182.92	183.17	183.30	183.33	183.35	183.34	183.23	183.27	183.18
16	182.90	182.87	182.87	182.93	183.15	183.33	183.33	183.33	183.32	183.22	183.24	183.22
17	182.91	182.85	182.86	182.95	183.15	183.35	183.32	183.32	183.32	183.23	183.24	183.17
18	182.90	182.84	182.87	182.94	183.18	183.32	183.32	183.32	183.35	183.22	183.25	183.14
19	182.87	182.84	182.87	182.95	183.20	183.32	183.33	183.33	183.33	183.24	183.23	183.17
20	182.88	182.85	182.88	182.95	183.20	183.32	183.33	183.31	183.32	183.23	183.26	183.15
21	182.91	182.87	182.86	182.97	183.21	183.33	183.32	183.32	183.32	183.25	183.27	183.15
22	182.90	182.85	182.87	182.98	183.21	183.35	183.35	183.31	183.32	183.34	183.27	183.16
23	182.91	182.86	182.92	182.98	183.22	183.35	183.33	183.31	183.30	183.40	183.22	183.17
24	182.94	182.88	182.98	182.99	183.22	183.34	183.34	183.31	183.29	183.34	183.21	183.18
25	182.93	182.87	182.93	183.00	183.22	183.33	183.36	183.32	183.29	183.31	183.23	183.18
26	182.90	182.86	182.90	183.02	183.22	183.35	183.35	183.33	183.29	183.28	183.26	183.16
27	182.90	182.85	182.89	183.04	183.22	183.35	183.34	183.32	183.28	183.27	183.24	183.15
28	182.91	182.87	182.90	183.05	183.22	183.35	183.33	183.30	183.30	183.30	183.25	183.15
29	182.90		182.92	183.04	183.22	183.35	183.33	183.32	183.30	183.28	183.29	183.15
30	182.89		182.92	183.05	183.22	183.35	183.35	183.32	183.29	183.27	183.28	183.15
31	182.89		182.94		183.23		183.36	183.31		183.26		183.15
MEAN	182.91	182.86	182.89	182.95	183.15	183.31	183.34	183.33	183.32	183.27	183.26	183.19
MAX.	183.08	182.98	183.07	183.11	183.32	183.54	183.45	183.56	183.49	183.52	183.42	183.39
	1400/01	1800/14	1800/30	0800/26	1300/20	1900/15	1000/30	1900/06	2200/10	1900/22	1400/22	1300/14
MIN.	182.82	182.71	182.72	182.79	182.73	183.04	183.21	183.13	183.17	183.14	183.10	182.99
	0900/19	2100/13	1400/30	1300/13	1500/09	1100/15	1800/30	1200/07	2400/12	0900/22	0700/23	2200/18

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 183.15

ANNUAL SUMMARY OF LEVELS, 1979
Station 9044: Ontonagon, Michigan on Lake Superior

INTERNATIONAL GREAT LAKES DATUM (1955)

HIGHEST

Monthly mean elevation:	183.36	Aug
Daily mean elevation:	183.40	4 Aug
Instant/hourly elevation:	183.56	1615/20 Jun

LOWEST

Monthly mean elevation:	183.03	Apr
Daily mean elevation:	182.94	21 Apr
Instant/hourly elevation:	182.71	0100/10 May

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
	Jan
	Feb
	Mar
183.09	29 Apr
183.25	31 May
183.40	20 Jun
183.38	30 Jul
183.40	4 Aug
183.38	2 Sep
183.36	31 Oct
183.33	4 Nov
	Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
	Jan
	Feb
	Mar
182.94	21 Apr
183.04	3 May
183.24	1 Jun
183.34	28 Jul
183.34	30 Aug
183.29	30 Sep
183.23	17 Oct
183.22	16 Nov
	Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
183.35						10	24	20	9	1			183.35	64
183.30						10	7	11	19	6	4		183.30	121
183.25						9			2	21	21		183.25	174
183.20					14	1				3	5		183.20	197
183.15					6								183.15	203
183.10					4								183.10	207
183.05				4	5								183.05	216
183.00				6	2								183.00	224
182.95				1									182.95	225
182.90				1									182.90	226

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 9044: Ontonagon, Michigan on Lake Superior

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	/	/	/	/	183.08	183.24	183.37	183.38	183.36	183.32	183.31	/
2	/	/	/	/	183.08	183.26	183.37	183.37	183.38	183.30	183.29	/
3	/	/	/	/	183.04	183.27	183.38	183.38	183.36	183.29	183.32	/
4	/	/	/	/	183.05	183.27	183.36	183.40	183.37	183.30	183.33	/
5	/	/	/	/	183.08	183.28	183.36	183.37	183.37	183.29	183.32	/
6	/	/	/	/	183.11	183.30	183.37	183.38	183.37	183.29	183.29	/
7	/	/	/	/	183.10	183.30	183.37	183.36	183.35	183.28	183.28	/
8	/	/	/	/	183.09	183.29	183.37	183.38	183.36	183.28	183.29	/
9	/	/	/	/	183.12	183.29	183.37	183.38	183.36	183.26	183.30	/
10	/	/	/	/	183.14	183.28	183.36	183.36	183.33	183.26	183.29	/
11	/	/	/	/	183.13	183.32	183.36	183.36	183.36	183.28	183.29	/
12	/	/	/	/	183.16	183.32	183.37	183.37	183.33	183.27	183.27	/
13	/	/	/	/	183.17	183.34	183.37	183.36	183.33	183.24	183.28	/
14	/	/	/	/	183.17	183.32	183.36	183.35	183.34	183.26	183.28	/
15	/	/	/	/	183.17	183.32	183.36	183.36	183.34	183.26	183.27	/
16	/	/	/	/	183.20	183.35	183.36	183.36	183.35	183.24	183.22	/
17	/	/	/	/	183.22	183.33	183.35	183.37	183.34	183.23	183.27	/
18	/	/	/	/	183.20	183.34	183.35	183.35	183.33	183.26	183.29	/
19	/	/	/	183.03	183.21	183.38	183.36	183.36	183.33	183.27	183.27	/
20	/	/	/	183.02	183.22	183.40	183.37	183.35	183.33	183.28	183.25	/
21	/	/	/	182.94	183.21	183.36	183.36	183.34	183.33	183.27	183.28	/
22	/	/	/	182.96	183.24	183.35	183.37	183.35	183.34	183.31	183.27	/
23	/	/	/	183.02	183.22	183.35	183.36	183.34	183.34	183.33	183.26	/
24	/	/	/	183.04	183.22	183.37	183.36	183.34	183.32	183.30	183.25	/
25	/	/	/	183.04	183.22	183.37	183.34	183.30	183.31	183.29	183.26	/
26	/	/	/	183.04	183.22	183.36	183.35	183.36	183.33	183.30	183.25	/
27	/	/	/	183.06	183.22	183.37	183.34	183.34	183.32	183.32	183.24	/
28	/	/	/	183.07	183.23	183.38	183.34	183.35	183.32	183.30	183.29	/
29	/		/	183.09	183.25	183.37	183.35	183.35	183.30	183.32	183.27	/
30	/		/	183.07	183.25	183.37*	183.38	183.34	183.29	183.33	183.27	/
31	/		/		183.25		183.36	183.36		183.36		/
MEAN	/	/	/	183.03	183.17	183.33	183.36	183.36	183.34	183.29	183.28	/
MAX.				183.12	183.44	183.56	183.47	183.55	183.55	183.53	183.41	
				1855/29	2155/09	1615/20	0240/22	0146/07	0900/11	0048/23	0645/08	
MIN.				182.87	182.71	183.01	183.27	183.23	183.14	183.04	183.09	
				1940/21	0100/10	1930/03	0030/22	1957/06	2207/10	2340/21	1510/16	

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 183.27

ANNUAL SUMMARY OF LEVELS, 1979

Station 9064: Duluth, Minnesota on Lake Superior

INTERNATIONAL GREAT LAKES DATUM (1955)

HIGHEST

Monthly mean elevation:	183.38	Jul
Daily mean elevation:	183.47	31 Oct
Instant/hourly elevation:	183.59	1200/20 Jun

LOWEST

Monthly mean elevation:	182.90	Feb
Daily mean elevation:	182.81	4 Feb
Instant/hourly elevation:	182.72	0100/6 Apr

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
182.98	19 Jan
182.97	22 Feb
183.01	19 Mar
183.13	29 Apr
183.32	30 May
183.47	20 Jun
183.42	3 Jul
183.43	31 Aug
183.43	11 Sep
183.47	31 Oct
183.36	4 Nov
183.29	10 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
182.83	14 Jan
182.81	4 Feb
182.87	14 Mar
182.89	6 Apr
183.04	3 May
183.27	2 Jun
183.34	15 Jul
183.31	14 Aug
183.29	25 Sep
183.21	12 Oct
183.19	16 Nov
183.11	28 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
						1				1			183.45	2
183.45						2	1	5	3	1			183.40	14
183.40						12	27	18	10	2	1		183.35	84
183.35					2	9	3	8	16	9	6		183.30	137
183.30					5	6			1	14	14	2	183.25	179
183.25					12					4	6	11	183.20	212
183.20					6						3	10	183.15	231
183.15				1	4							8	183.10	244
183.10				8	1								183.05	253
183.05			1	8	1								183.00	263
183.00	3	1	12	9									182.95	288
182.95	12	14	14	2									182.90	330
182.90	15	12	4	2									182.85	363
182.85	1	1											182.80	365
182.80														

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 9064: Duluth, Minnesota on Lake Superior

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	182.93	182.90	182.92	182.99	183.12	183.27	183.37	183.40	183.39	183.32	183.28	183.24
2	182.92	182.91	182.93	182.94	183.12	183.27	183.40	183.38	183.35	183.33	183.25	183.19
3	182.89	182.90	182.93	182.96	183.04	183.30	183.42	183.38	183.40	183.28	183.29	183.13
4	182.86	182.81	182.90	183.00	183.08	183.28	183.40	183.41	183.42	183.28	183.36	183.25
5	182.86	182.92	182.93	182.90	183.15	183.31	183.38	183.38	183.37	183.28	183.33	183.20
6	182.90	182.93	182.96	182.89	183.21	183.34	183.37	183.42	183.33	183.26	183.28	183.26
7	182.92	182.88	182.94	183.03	183.17	183.31	183.39	183.35	183.36	183.29	183.28	183.21
8	182.89	182.87	182.96	183.00	183.12	183.30	183.40	183.39	183.39	183.28	183.24	183.17
9	182.90	182.86	182.91	182.96	183.16	183.31	183.39	183.41	183.40	183.24	183.30	183.25
10	182.89	182.90	182.88	182.99	183.23	183.28	183.38	183.36	183.43	183.28	183.29	183.29
11	182.93	182.90	182.91	183.06	183.16	183.34	183.38	183.38	183.43	183.25	183.32	183.20
12	182.95	182.90	182.96	183.08	183.19	183.35	183.39	183.40	183.38	183.21	183.27	183.25
13	182.92	182.92	182.93	183.02	183.20	183.36	183.39	183.31	183.34	183.23	183.29	183.18
14	182.83	182.94	182.87	182.98	183.19	183.38	183.34	183.31	183.33	183.27	183.29	183.24
15	182.89	182.91	182.90	182.95	183.21	183.34	183.34	183.36	183.35	183.29	183.29	183.15
16	182.96	182.87	182.95	182.97	183.25	183.36	183.36	183.37	183.36	183.26	183.19	183.12
17	182.93	182.92	182.98	182.99	183.27	183.35	183.36	183.37	183.32	183.26	183.29	183.17
18	182.96	182.92	182.99	183.04	183.22	183.39	183.35	183.35	183.32	183.32	183.33	183.25
19	182.98	182.92	183.01	183.05	183.24	183.45	183.36	183.37	183.36	183.30	183.28	183.20
20	182.95	182.91	182.96	183.05	183.23	183.47	183.37	183.38	183.31	183.32	183.24	183.23
21	182.89	182.89	182.94	183.02	183.25	183.32	183.36	183.41	183.32	183.27	183.32	183.24
22	182.91	182.97	182.96	183.05	183.30	183.36	183.39	183.40	183.35	183.32	183.34	183.21
23	182.91	182.88	182.94	183.09	183.25	183.37	183.38	183.36	183.37	183.28	183.28	183.22
24	182.87	182.90	182.94	183.08	183.25	183.39	183.37	183.32	183.32	183.32	183.27	183.20
25	182.89	182.91	182.94	183.04	183.26	183.40	183.36	183.35	183.29	183.32	183.31	183.20
26	182.91	182.92	182.95	183.06	183.25	183.36	183.37	183.36	183.35	183.37	183.22	183.17
27	182.92	182.92	182.98	183.08	183.25	183.39	183.37	183.35	183.35	183.34	183.20	183.14
28	182.90	182.94	183.00	183.09	183.27	183.41	183.36	183.38	183.34	183.34	183.24	183.11
29	182.89		183.00	183.13	183.31	183.38	183.37	183.33	183.32	183.39	183.20	183.12
30	182.89		182.96	183.09	183.32	183.38	183.40	183.36	183.31	183.42	183.25	183.15
31	182.89		182.97		183.27		183.39	183.43		183.47		183.15
MEAN	182.91	182.90	182.95	183.02	183.21	183.35	183.38	183.37	183.36	183.30	183.28	183.20
MAX.	183.05	183.05	183.09	183.21	183.41	183.59	183.49	183.50	183.55	183.55	183.47	183.41
	0100/17	2400/22	0200/30	1200/12	1400/22	1200/20	1800/30	1500/06	0700/11	1200/31	0200/01	1000/10
MIN.	182.75	182.76	182.79	182.72	183.01	183.15	183.27	183.24	183.19	183.15	183.09	183.02
	2100/14	1800/23	1400/04	0100/06	1400/03	1100/10	1400/15	0800/07	0800/20	0500/12	1600/26	2100/16

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

ANNUAL MEAN: 183.19

ANNUAL SUMMARY OF LEVELS, 1979
Station 9070: Two Harbors, Minnesota on Lake Superior

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	183.36	Aug	182.89	Feb
Daily mean elevation:	183.45	20 Jun	182.81	4 Feb
Instant/hourly elevation:	183.53	1400/20 Jun	182.73	2400/5 Apr

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
182.96	19 Jan
182.94	22 Feb
182.99	19 Mar
183.10	29 Apr
183.29	30 May
183.45	20 Jun
183.38	8 Jul
183.38	1 Aug
183.40	11 Sep
183.42	31 Oct
183.34	4 Nov
183.28	10 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
182.83	14 Jan
182.81	4 Feb
182.87	14 Mar
182.88	6 Apr
183.04	3 May
183.26	1 Jun
183.33	15 Jul
183.34	3 Aug
183.29	25 Sep
183.21	12 Oct
183.20	16 Nov
183.11	28 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
183.40						2				1			183.40	3
183.35						10	19	2	7	2			183.35	43
183.30						10	12	1	16	6	4		183.30	92
183.25					6	8			3	14	17	1	183.25	141
183.20					10					8	8	9	183.20	176
183.15					6						1	13	183.15	196
183.10					6							8	183.10	210
183.05				5	2								183.05	217
183.00				10	1								183.00	228
182.95	1		7	9									182.95	245
182.90	10	8	18	4									182.90	285
182.85	19	19	6	2									182.85	331
182.80	1	1											182.80	333

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 9070: Two Harbors, Minnesota on Lake Superior

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	182.93	182.89	182.90	182.97	183.11	183.26	183.36	183.38	/	183.32	183.29	183.24
2	182.92	182.90	182.92	182.93	183.10	183.27	183.37	183.37	/	183.32	183.25	183.20
3	182.90	182.89	182.91	182.96	183.04	183.29	183.38	183.34*	/	183.28	183.28	183.14
4	182.86	182.81	182.90	182.98	183.07	183.28	183.36	/	/	183.28	183.34	183.23
5	182.88	182.90	182.92	182.90	183.12	183.29	183.36	/	183.34*	183.28	183.31	183.19
6	182.90	182.92	182.95	182.88	183.17	183.32	183.36	/	183.32	183.25	183.28	183.25
7	182.92	182.87	182.93	183.00	183.15	183.31	183.37	/	183.34	183.28	183.28	183.20
8	182.89	182.86	182.95	182.99	183.11	183.29	183.38	/	183.37	183.27	183.24	183.17
9	182.89	182.86	182.91	182.94	183.13	183.30	183.37	/	183.38	183.23	183.29	183.25
10	182.89	182.89	182.88	182.98	183.19	183.28	183.36	/	183.39	183.27	183.29	183.28
11	182.92	182.89	182.90	183.04	183.14	183.32	183.36	/	183.40	183.25	183.31	183.19
12	182.94	182.89	182.95	183.06	183.18	183.33	183.37	/	183.36	183.21	183.26	183.24
13	182.91	182.91	182.91*	183.01	183.19	183.35	183.37	/	183.33	183.22	183.28*	183.18
14	182.83	182.93	182.87	182.97	183.18	183.36	183.34	/	183.32	183.25	183.27*	183.22
15	182.88	182.90	182.89	182.94	183.19	183.34	183.33	/	183.34	183.27	183.28	183.15
16	182.94	182.86	182.93	182.95	183.23	183.34	183.35	/	183.36	183.25	183.20*	183.12
17	182.92	182.90	182.97	182.97	183.26	183.33	183.35	/	183.32	183.25	183.28	183.17
18	182.95	182.91	182.97	183.01	183.22	183.37	183.34	/	183.31	183.29	183.31	183.24
19	182.96	182.90	182.99	183.02	183.22	183.42	183.35	/	183.34	183.29	183.28	183.19
20	182.93	182.90	182.95	183.02	183.22	183.45	183.35	/	183.31	183.30	183.23	183.22
21	182.89	182.88	182.93	182.99	183.23	183.33	183.34	/	183.30	183.26	183.29	183.22
22	182.90	182.94	182.94*	183.02	183.27	183.35	183.36	/	183.34	183.30	183.30	183.19
23	182.90	182.88	182.93	183.05	183.23	183.36	183.36	/	183.36	183.28	183.26	183.20
24	182.87	182.90	182.93	183.05	183.24	183.38	183.36	/	183.31	183.30	183.26	183.18
25	182.88	182.90*	182.93*	183.02	183.25	183.39	183.34	/	183.29	183.31	183.29	183.18
26	182.90	182.91*	182.94*	183.04	183.24	183.36	183.36	/	183.33	183.35	183.21	183.16
27	182.90	182.91*	182.97	183.06	183.24	183.38	183.35	/	183.34	183.33	183.21	183.14
28	182.89	182.92*	182.98*	183.07	183.26	183.39	183.34	/	183.33	183.32	183.24	183.11
29	182.88		182.97*	183.10	183.29	183.37	183.35	/	183.31	183.36	183.21	183.12
30	182.89		182.95*	183.07	183.29	183.36	183.37	/	183.30	183.38	183.25	183.14
31	182.88		182.96*		183.26		183.36	/		183.42		183.15
MEAN	182.90	182.89	182.93	183.00	183.19	183.34	183.36	183.36	183.34	183.29	183.27	183.19
MAX.	183.04	183.04	183.05	183.17	183.36	183.53	183.44	183.40	183.47	183.48	183.45	183.40
	0100/17	2200/22	0400/30	0200/12	1800/30	1400/20	1500/07	0800/01	0700/11	1100/31	0100/01	1000/10
MIN.	182.77	182.78	182.81	182.73	183.01	183.15	183.27	183.31	183.22	183.15	183.11	183.01
	2000/14	1400/04	1000/14	2400/05	1300/03	1000/10	0900/25	0300/03	0500/30	0500/12	1600/26	1900/15

* Indicates Less than 90% of the Hourly Data Available.

/ Indicates No Data.

ANNUAL MEAN: 183.17

ANNUAL SUMMARY OF LEVELS, 1979
Station 9090: Grand Marais, Minnesota on Lake Superior

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	183.33	Jul	182.86	Feb
Daily mean elevation:	183.41	20 Jun	182.81	4 Feb
Instant/hourly elevation:	183.59	0400/20 Jun	182.78	2000/9 Feb

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
182.92	2 Jan
182.89	22 Feb
182.94	28 Mar
183.05	29 Apr
183.24	31 May
183.41	20 Jun
183.35	30 Jul
183.36	6 Aug
183.37	11 Sep
183.33	31 Oct
183.29	4 Nov
183.24	10 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
182.83	14 Jan
182.81	4 Feb
182.86	14 Mar
182.88	6 Apr
183.02	3 May
183.23	1 Jun
183.31	25 Jul
183.29	30 Aug
183.27	30 Sep
183.20	12 Oct
183.18	26 Nov
183.11	29 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
183.40						1							183.40	1
183.35								1	2				183.35	4
183.30						14	31	23	14	4			183.30	90
183.25						9		7	14	11	9		183.25	140
183.20					7	6				15	19	4	183.20	191
183.15					12					1	2	14	183.15	220
183.10					4							13	183.10	237
183.05					6								183.05	243
183.00				6	2								183.00	251
182.95				10									182.95	261
182.90	4		13	12									182.90	290
182.85	24	20	18	2									182.85	354
182.80	3	8											182.80	365

INTERNATIONAL
GREAT LAKES
DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1979

Station 9090: Grand Marais, Minnesota on Lake Superior

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	182.92	182.86	182.86	182.93	183.06	183.23	183.32	183.35	183.36	183.28	183.29	183.21
2	182.92	182.87	182.88	182.91	183.07	183.24	183.33	183.35	183.32	183.28	183.26	183.20
3	182.90	182.86	182.87	182.93	183.02	183.25	183.34	183.34	183.33	183.26	183.26	183.17
4	182.87	182.81	182.88	182.94	183.04	183.24	183.33	183.35	183.35	183.26	183.29	183.21
5	182.90	182.86	182.89	182.89	183.07	183.25	183.33	183.33	183.32	183.26	183.27	183.19
6	182.90	182.88	182.91	182.88	183.09	183.26	183.34	183.36	183.31	183.23	183.25	183.22
7	182.90	182.84	182.90	182.94	183.09	183.25	183.34	183.33	183.30	183.24	183.28	183.17
8	182.89	182.84	182.90	182.94	183.06	183.28	183.33	183.33	183.32	183.25	183.23	183.17
9	182.88	182.83	182.90	182.92	183.12	183.26	183.33	183.34	183.32	183.22	183.25	183.20
10	182.88	182.85	182.87	182.93	183.15	183.26	183.34	183.31	183.34	183.25	183.26	183.24
11	182.90	182.86	182.88	182.97	183.14	183.29	183.33	183.33	183.37	183.23	183.27	183.18
12	182.90	182.85	182.91	183.00	183.15	183.30	183.32	183.35	183.35	183.20	183.25	183.20
13	182.88	182.86	182.89	182.97	183.16	183.30	183.33	183.30	183.32	183.21	183.25	183.17
14	182.83	182.88	182.86	182.95	183.16	183.32	183.33	183.29	183.32	183.24	183.25	183.18
15	182.86	182.88	182.87	182.92	183.16	183.32	183.31	183.31	183.32	183.24	183.25	183.13
16	182.90	182.84	182.90	182.93	183.19	183.30	183.31	183.32	183.33	183.23	183.22	183.12
17	182.89	182.86	182.92	182.94	183.22	183.30	183.32	183.32	183.31	183.22	183.25	183.14
18	182.91	182.87	182.92	182.96	183.18	183.32	183.32	183.31	183.29	183.25	183.26	183.18
19	182.91	182.87	182.94	182.97	183.18	183.35	183.32	183.31	183.30	183.25	183.25	183.16
20	182.90	182.86	182.91	182.99	183.19	183.41	183.32	183.30	183.29	183.28	183.21	183.19
21	182.87	182.84	182.91	182.97	183.20	183.33	183.32	183.32	183.28	183.23	183.23	183.18
22	182.87	182.89	182.91	182.99	183.22	183.32	183.32	183.33	183.29	183.27	183.24	183.15
23	182.87	182.86	182.90	183.00	183.20	183.32	183.34	183.32	183.30	183.25	183.24	183.15
24	182.85	182.86	182.90	183.01	183.20	183.34	183.32	183.31	183.29	183.27	183.24	183.12
25	182.86	182.86	182.90	183.00	183.21	183.35	183.31	183.31	183.28	183.27	183.25	183.14
26	182.87	182.87	182.90	183.01	183.20	183.35	183.32	183.30	183.29	183.30	183.18	183.13
27	182.87	182.87	182.93	183.03	183.20	183.34	183.32	183.30	183.29	183.31	183.21	183.13
28	182.86	182.88	182.94	183.04	183.22	183.35	183.32	183.32	183.28	183.28	183.22	183.11
29	182.86		182.93	183.05	183.23	183.33	183.32	183.30	183.28	183.31	183.20	183.11
30	182.86		182.92	183.04	183.24	183.33	183.35	183.29	183.27	183.31	183.22	183.12
31	182.85		182.92		183.24		183.34	183.33		183.33		183.12
MEAN	182.88	182.86	182.90	182.96	183.16	183.30	183.33	183.32	183.31	183.26	183.24	183.16
MAX.	182.99	183.00	183.02	183.11	183.36	183.59	183.40	183.45	183.51	183.41	183.43	183.36
	1600/01	2400/22	1700/29	0300/12	1500/10	0400/20	1700/23	1900/06	0700/01	1800/31	0100/01	0400/05
MIN.	182.78	182.78	182.79	182.78	182.97	183.14	183.25	183.22	183.20	183.09	183.12	182.96
	2200/14	2000/09	0900/14	2400/05	2200/08	1900/06	1000/26	2400/29	2000/29	2200/21	1600/26	1900/15

* Indicates Less than 90% of the Hourly Data Available.
/ Indicates No Data.

ANNUAL MEAN: 183.14

Monthly Water Level Stages - Lake Ontario at Oswego

1900 thru Dec 1979

NOAA/NOS
WSC-1 C234
Great Lakes Water Levels
Rockville, Maryland 20852

Levels in Meters above
IGLD (1955)
Chart Datum 74.0

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1946	1952	1952	1973	1952	1952	1947	1947	1947	1945	1945	1945
HIGH	75.01	75.12	75.22	75.50	75.58	75.61	75.51	75.42	75.26	75.08	75.04	75.04
MEAN	74.38	74.40	74.49	74.69	74.82	74.85	74.82	74.72	74.59	74.47	74.39	74.37
	1935	1936	1935	1935	1935	1935	1934	1934	1934	1934	1934	1934
LOW	73.66	73.64	73.79	73.88	73.97	74.04	73.99	73.84	73.74	73.68	73.59	73.60

1900 thru 1979 mean 74.58

Monthly Water Level Stages - Lake Erie at Cleveland

1900 thru Dec 1979

NOAA/NOS
WSC-1 C234
Great Lakes Water Levels
Rockville, Maryland 20852

Levels in Meters above
IGLD (1955)
Chart Datum 173.3

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1973	1973	1973	1973	1973	1973	1973	1973	1973	1973	1972	1972
HIGH	174.46	174.51	174.61	174.74	174.73	174.81	174.75	174.66	174.50	174.39	174.40	174.45
MEAN	173.67	173.67	173.75	173.92	174.01	174.05	174.04	173.98	173.89	173.79	173.71	173.69
	1935	1936	1934	1934	1934	1934	1934	1934	1934	1934	1934	1934
LOW	173.01	172.97	173.02	173.19	173.26	173.27	173.27	173.24	173.20	173.11	173.00	172.98

1900 thru 1979 mean 173.84

Monthly Water Level Stages - Lake St. Clair at St. Clair Shores

1900 thru Dec 1979

NOAA/NOS
WSC-1 C234
Great Lakes Water Levels
Rockville, Maryland 20852

Levels in Meters above
IGLD (1955)
Chart Datum 174.2

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1974	1974	1973	1973	1974	1973	1973	1973	1973	1973	1972	1972
HIGH	175.37	175.38	175.49	175.54	175.58	175.63	175.63	175.57	175.47	175.37	175.31	175.32
MEAN	174.53	174.44	174.58	174.76	174.85	174.90	174.92	174.89	174.82	174.74	174.64	174.65
	1936	1926	1934	1901	1934	1934	1934	1934	1934	1934	1934	1925
LOW	173.69	173.70	173.86	174.07	174.24	174.27	174.31	174.22	174.15	174.08	173.99	174.06

1900 thru 1979 mean 174.73

Monthly Water Level Stages - Lake Huron-Michigan at Harbor Beach

1900 thru Dec 1979

NOAA/NOS
WSC-1 C234
Great Lakes Water Levels
Rockville, Maryland 20852

Levels in Meters above
IGLD (1955)
Chart Datum 175.8

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1973	1952	1973	1973	1973	1973	1974	1973	1952	1973	1973	1973
HIGH	176.76	176.76	176.78	176.88	176.97	177.06	177.10	177.09	177.02	176.92	176.84	176.77
MEAN	176.10	176.09	176.11	176.19	176.29	176.35	176.40	176.38	176.33	176.27	176.20	176.15
	1965	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964
LOW	175.38	175.39	175.37	175.37	175.50	175.53	175.55	175.56	175.55	175.49	175.43	175.38

1900 thru 1979 mean 176.24

Monthly Water Level Stages - Lake Superior at Marquette

1900 thru Dec 1979

NOAA/NOS
WSC-1 C234
Great Lakes Water Levels
Rockville, Maryland 20852

Levels in Meters above IGLD (1955)
Chart Datum 182.9

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1975	1975	1975	1951	1951	1951	1950	1950	1916	1951	1974	1974
HIGH	183.29	183.24	183.18	183.23	183.35	183.38	183.46	183.50	183.47	183.47	183.43	183.35
MEAN	182.99	182.92	182.88	182.89	183.00	183.09	183.15	183.19	183.20	183.18	183.13	183.06
	1926	1926	1926	1926	1926	1926	1926	1926	1926	1925	1925	1925
LOW	182.45	182.38	182.37	182.34	182.36	182.46	182.57	182.62	182.72	182.72	182.63	182.56

1900 thru 1979 mean 183.06