

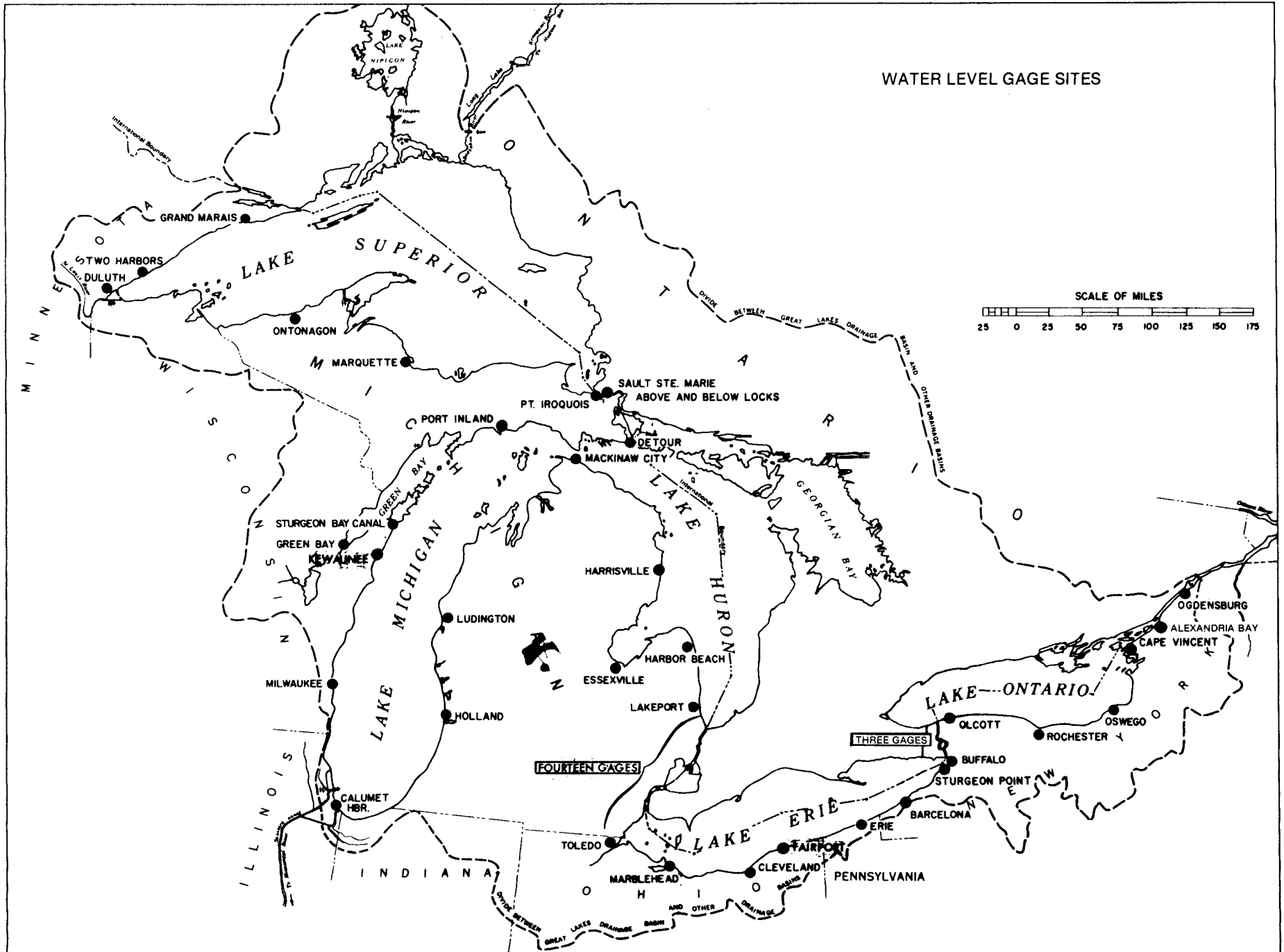


# Great Lakes Water Levels, 1860–1985

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



WATER LEVEL GAGE SITES





# **GREAT LAKES WATER LEVELS**

**1860–1985**

**Monthly and Annual Average Water Surface Elevations**

# I N T R O D U C T I O N

The Office of Oceanography and Marine Assessment (OMA), within the National Oceanic and Atmospheric Administration (NOAA), is responsible for collecting water level data for the entire Great Lakes basin watershed (295,000 square miles), and for maintaining the International Great Lakes Datum of 1955 (IGLD 1955). In meeting these responsibilities, close coordination is maintained with other Federal Agencies and Canadian counterparts. Exchanges of water level data with Canada are made under treaties that require regulation of operations and support of cooperative power generation. These exchanges are coordinated under the International Joint Commission (IJC), a group of six commissioners appointed by the President of the United States and the Prime Minister of Canada. Parties involved in meeting the international agreements include: several boards of control, IJC committees of two Federal agencies, eight states and two Canadian provinces.

Beginning in 1970 (under authority of Presidential Reorganization Plan No. 4 (now part of U.S. Code 33 Title 883)), OMA's predecessor organization began a program of monitoring and collecting water levels, and maintaining a vertical control reference system for the Great Lakes and their connecting channels. The program, required by Congress and by international treaties, has a mission of providing a hydraulic vertical reference datum by which the governments of Canada and the United States manage water resources in the Great Lakes basin. International management of water resources in the Great Lakes basin is vital to ensuring the safety of the Lake's many users. The Great Lakes Program takes into account fluctuations of the Lakes' water levels and the outflows of rivers relative to: regulation, lake level forecasting, shipping, international cooperative treaties and agreements, riparian interests, hydroelectric power generation, construction, dredging, litigation, and other water resource management and development activities.

Presently, the Great Lakes Program is divided into office and field functions to address: basic water level measurements, vertical datums, earth movement (for the International Great Lakes Datum), basin precipitation, abstracts of diversions, vertical control support for hydrographic surveys, construction and maintenance activities, and needs of user communities. Since 1973, OMA has provided real-time data for emergency water planning situations by using water-level gages with electronic telemetry units. Presently, 24 water level measurement units are operating in the field; OMA plans to operate 50 field units by 1991 through the use of improved, state-of-the-art electronic telemetry systems.



This report, published every five years, contains water level gage records for the Great Lakes in units of feet. The following information is presented in tabular form:

1. Monthly and annual average levels for each permanent gage for the period of record;
2. The average monthly levels for period of record;
3. The average monthly levels for the period 1900 through 1985;
4. The average monthly levels for the period 1976 through 1985;
5. The highest and the lowest monthly average levels for the period of record.

Locations of gages for recording water levels are shown on the inside cover page. An index on subsequent pages lists gage identification numbers, their locations, and their geographic coordinates.

A separate publication, printed yearly, shows daily and monthly averages, the highest and lowest daily average water level for each month, a frequency distribution of daily average water levels, and monthly average water level stages for each lake. Data in this publication are given in units of both feet and meters (latest issue: Great Lakes Water Levels, 1986). A hydrograph, that depicts data for master control gages for each lake, is available for a minimal fee by writing: National Ocean Service, Office of Oceanography and Marine Assessment, N/OMA12, Rockville, Maryland, 20852.

**DATUM OF REFERENCE:** All tabulated elevations are referred to the International Great Lakes Datum (1955). A complete explanation of the datum can be obtained at no charge by writing the address above.

## TABLE OF CONTENTS

STATION NUMBER AND LOCATION	LATITUDE NORTH	LONGITUDE WEST	PAGE
<b>ST. LAWRENCE RIVER</b>			
1030 Ogdensburg, New York	44 42 10	75 29 40	1
1062 Alexandria Bay, New York	44 07 45	76 20 15	6
<b>LAKE ONTARIO (CHART DATUM 242.8)</b>			
2000 Cape Vincent, New York	44 07 45	76 20 15	8
2030 OSWEGO, NEW YORK	43 27 51	76 30 42	13
2058 Rochester, New York	43 16 10	77 37 34	19
2076 Olcott, New York	43 20 17	78 43 39	25
<b>NIAGARA RIVER</b>			
3007 Ashland Avenue, Niagara Falls, New York	43 06 00	79 03 35	28
3009 American Falls, Niagara Falls, New York	43 04 54	79 03 42	31
3010 American Falls, Niagara Falls, New York	43 04 55	79 03 45	34
3012 Niagara Intake, Niagara Falls, New York	43 04 40	79 00 55	36
3117 Ontario Street, Buffalo, New York	42 56 35	78 54 37	39
3017 Black Rock Canal, Buffalo, New York	42 56 02	78 54 27	42
<b>LAKE ERIE (CHART DATUM 568.6)</b>			
3020 Buffalo, New York	42 52 39	78 53 27	45
3028 Sturgeon Point, New York	42 41 27	79 02 52	51
3032 Barcelona, New York	42 20 35	79 35 50	54
3038 Erie, Pennsylvania	42 09 15	80 04 32	57
3053 Fairport, Ohio	41 45 00	81 17 00	60
3063 CLEVELAND, OHIO	41 32 27	81 38 08	63
3079 Marblehead, Ohio	41 32 40	82 43 53	69
3085 Toledo, Ohio	41 41 36	83 28 20	72
3087 Monroe, Michigan	41 53 54	83 21 42	78
3090 Fermi Power Plant, Stony Point, Michigan	41 57 35	83 15 30	81

NOTE: Locations shown in CAPITAL letters are master gages.

## TABLE OF CONTENTS

STATION NUMBER AND LOCATION	LATITUDE NORTH	LONGITUDE WEST	PAGE
<b>DETROIT RIVER</b>			
4020 Gibraltar, Michigan	42 05 30	83 11 10	84
4030 Wyandotte, Michigan	42 12 12	83 08 50	89
4035 Fort Wayne, Detroit, Michigan	42 17 53	83 05 35	93
4036 Fort Wayne, Detroit, Michigan	42 17 53	83 05 34	97
4049 Windmill Point, Detroit, Michigan	42 21 26	82 55 45	100
<b>LAKE ST. CLAIR (CHART DATUM 571.7)</b>			
4051 Grosse Pointe YC, Grosse Point Shores, Michigan	42 26 06	82 52 20	105
4052 ST. CLAIR SHORES, MICHIGAN	42 28 24	82 52 45	109
<b>ST. CLAIR RIVER</b>			
4070 Algonac, Michigan	42 37 15	82 31 37	112
4080 St. Clair S.P., St. Clair, Michigan	42 48 45	82 29 09	117
4081 St. Clair, Michigan	42 48 15	82 27 55	120
4084 Marysville, Michigan	42 54 22	82 27 58	124
4087 Dry Dock, Port Huron, Michigan	42 56 43	82 26 37	128
4090 Mouth of the Black River, Port Huron, MI	42 58 25	82 25 16	133
4096 Dunn Paper Company, Port Huron, MI	43 00 12	82 25 20	138
4098 Fort Gratiot, Port Huron, MI	43 00 23	82 25 21	141
4099 Fort Gratiot, Port Huron, MI	43 00 20	82 25 20	144
<b>LAKE HURON (CHART DATUM 576.8)</b>			
5002 Lakeport, Michigan	43 08 30	82 29 35	148
5014 HARBOR BEACH, MICHIGAN	43 50 45	82 38 38	151
5034 Essexville, Michigan	43 38 29	83 50 48	157
5035 Essexville, Michigan	43 38 29	83 50 48	159
5059 Harrisville, Michigan	44 39 34	83 17 11	162

NOTE: Locations shown in CAPITAL letters are master gages.

## TABLE OF CONTENTS

STATION NUMBER AND LOCATION	LATITUDE NORTH	LONGITUDE WEST	PAGE
5080 Mackinaw City, Michigan	45 46 40	84 43 10	165
5098 DeTour Dock, Michigan	46 01 00	83 55 15	170
5099 DeTour Village, Michigan	45 59 30	83 53 48	174
ST. MARY'S RIVER			
6050 Frechette Point, Michigan	46 27 40	84 17 10	177
6060 U.S. Slip below locks, Sault Ste. Marie, MI	46 30 03	84 20 24	180
6070 S.W. Pier above locks, Sault Ste. Marie, MI	46 30 05	84 22 21	185
LAKE MICHIGAN (CHART DATUM 576.8)			
7023 Ludington, Michigan	43 56 48	86 26 30	191
7031 Holland, Michigan	42 46 05	86 12 06	196
7044 Calumet Harbor, S. Chicago, Illinois	41 43 48	87 32 18	201
7057 Milwaukee South, Wisconsin	43 00 05	87 53 13	206
7058 Milwaukee, Wisconsin	43 01 36	87 52 54	209
7068 Kewaunee, Wisconsin	44 27 48	87 30 00	214
7072 Sturgeon Bay Canal, Wisconsin	44 47 40	87 18 48	217
7078 Green Bay, Wisconsin	44 32 27	88 00 30	222
7079 Green Bay, Wisconsin	44 32 27	88 00 30	225
7096 Port Inland, Michigan	45 58 10	85 52 20	228
LAKE SUPERIOR (CHART DATUM 600.0)			
9004 POINT IROQUOIS, Michigan	46 29 06	84 37 52	231
9016 Marquette, Michigan	46 32 29	87 23 26	235
9018 Marquette, Michigan	46 32 42	87 22 42	241
9044 Ontonagon, Michigan	46 52 40	89 19 15	243
9064 Duluth, Minnesota	46 46 32	92 05 34	246
9070 Two Harbors, Minnesota	47 01 03	91 40 30	252
9090 Grand Marais, Minnesota	47 44 53	90 20 30	258

NOTE: Locations shown in CAPITAL letters are master gages.

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

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

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1890													
1891													
1892													
1893													
1894													
1895													
1896													
1897													
1898													
1899													
1900									243.49	243.20	243.04	243.31	243.26
1901	243.12	242.90	242.72	243.68	244.15	244.32	244.14	243.86	243.59	243.19	242.76	242.86	243.44
1902	242.89	242.89	243.46	243.91	243.94	244.03	244.38	244.43	244.11	243.82	243.52	243.30	243.72
1903	243.28	243.30	243.99	244.79	244.91	244.77	244.91	244.69	244.46	244.10	243.85	243.54	244.22
1904	243.40	243.35	243.77	245.19	245.78	246.08	246.15	245.97	245.55	245.19	244.68	244.14	244.94
1905	244.23	243.85	243.56	244.41	244.62	244.97	245.29	245.19	245.10	244.82	244.58	244.33	244.58
1906	244.65	244.44	244.28	244.54	244.72	244.76	244.90	244.64	244.27	244.01	243.95	243.97	244.43
1907	244.53	244.75	244.66	245.07	245.36	245.38	245.45	245.23	244.84	244.75	244.64	244.71	244.95
1908									245.34				245.34
1909													
1910													
1911						244.04	243.97	243.63	243.24	243.10			243.60
1912													
1913									244.93	244.53			244.73
1914						245.15	244.94	244.58	244.37	243.89			244.59
1915													
1916													
1917													
1918													
1919													

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

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

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1920													
1921													
1922													
1923													
1924													
1925													
1926													
1927													
1928													
1929													
1930													
1931													
1932													
1933													
1934						242.73	242.49	242.07	241.77	241.56	241.29	241.29	241.89
1935	241.44	241.53	241.82	242.11	242.39	242.62	242.76	242.54	242.17	241.90	241.62	241.55	242.04
1936	241.53	241.56	241.92	243.43	243.67	243.44	243.18	242.65	242.44	242.32	242.32	241.99	242.54
1937	242.55	242.94	243.10	243.38	244.12	244.31	244.34	244.07	243.70	243.28	243.30	243.11	243.52
1938	242.75	242.91	243.29	244.13	244.24	244.22	244.04	244.03	243.58	243.37	243.18	242.89	243.55
1939	242.63	242.73	243.18	244.03	244.45	244.38	244.25	244.02	243.51	243.18	242.76	242.55	243.47
1940	242.35	242.06	242.11	243.10	243.80	244.20	244.22	243.90	243.59	243.22	243.10	243.12	243.23
1941	243.39	243.52	243.49	243.91	243.82	243.58	243.43	243.13	242.88	242.61	242.56	242.39	243.23
1942	242.46	242.32	242.90	243.72	244.06	244.33	244.36	244.09	243.79	243.53	243.54	243.58	243.56
1943	243.93	244.11	244.75	245.27	245.96	246.81	246.63	246.35	245.87	245.22	245.18	244.94	245.42
1944	244.29	244.00	243.98	244.59	245.20	245.37	245.42	245.03	244.65	244.21	243.68	243.66	244.51
1945	243.65	243.50	244.23	245.20	245.69	246.00	245.99	245.73	245.35	245.73	245.49	245.60	245.18
1946	245.45	245.12	245.45	245.49	245.28	245.43	245.30	244.97	244.56	244.30	244.30	244.10	244.98
1947	243.97	244.32	244.23	245.25	245.83	246.85	246.96	246.66	246.18	245.48	245.06	244.82	245.47
1948	244.58	244.45	244.96	245.92	246.25	246.36	246.16	245.74	245.11	244.60	244.49	244.24	245.24
1949	244.17	244.36	244.72	245.12	245.13	244.91	244.52	244.03	243.83	243.47	243.08	243.03	244.20

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

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

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1950	243.57	243.87	244.15	245.32	245.56	245.51	245.32	244.92	244.49	244.25	244.17	244.42	244.63
1951	244.66	244.87	245.48	246.46	246.83	246.74	246.74	246.14	245.73	245.19	244.99	245.08	245.74
1952	245.26	245.69	246.07	246.86	247.20	247.30	246.95	246.42	245.98	245.56	244.95	244.96	246.10
1953	244.69	244.84	244.94	245.47	245.80	245.97	245.68	245.23	244.93	244.28	243.95	244.04	244.98
1954	243.61	243.78	244.68	245.24	245.93	245.81	245.48	245.00	244.68	244.63	244.68	244.77	244.86
1955	244.94	244.68	245.45	246.21	246.44	246.21	245.70	245.23	244.87	244.71	244.94	244.59	245.33
1956	244.10	243.85	243.96	244.78	245.65	245.83	245.50	245.09	244.89	244.32	243.94	243.64	244.63
1957	243.46	243.40	243.68	244.02	244.24	244.50	244.65	244.22	243.95	243.37	243.19	243.10	243.82
1958	243.11	242.95	243.17	243.49	243.73	243.71	243.45	243.34	243.12	242.82	242.75	242.41	243.17
1959	242.51	242.77	243.24	244.32	244.41	244.19	243.91	243.39	242.82	242.58	242.61	242.75	243.29
1960	243.16	243.44	243.42	244.57	245.16	245.21	244.81	244.12	243.61	243.51	243.59	243.34	244.00
1961	242.74	242.24	243.12	243.92	244.72	244.78	244.69	244.30	243.93	243.35	243.09	243.08	243.66
1962	242.77	242.38	242.68	244.00	244.70	244.90	244.70	244.57	244.18	244.03	243.76	243.80	243.87
1963	243.26	242.68	242.60	244.14	245.03	245.42	245.28	245.07	244.37	243.71	243.22	242.85	243.97
1964	242.38	241.76	241.94	242.83	243.80	244.16	244.11	243.75	243.27	242.55	241.87	241.35	242.81
1965	241.26	241.41	242.02	242.76	243.69	244.03	244.26	244.06	243.81	243.75	243.60	243.66	243.19
1966	243.55	243.26	243.86	244.12	244.48	244.84	244.82	244.56	244.16	243.83	243.43	243.68	244.05
1967	243.74	243.53	243.31	244.34	245.00	245.34	245.61	245.39	244.88	244.63	244.37	243.88	244.50
1968	243.60	243.70	243.85	244.56	244.56	245.02	245.27	244.80	244.28	243.68	243.12	243.51	244.16
1969	243.52	243.52	243.50	244.11	244.82	245.17	244.82	244.39	243.56	243.15	242.95	242.87	243.86
1970	242.83	242.76	242.95	243.92	244.48	244.68	244.86	244.49	243.93	243.45	243.20	243.11	243.72
1971	243.41	243.04	243.40	244.30	244.73	244.61	244.58	244.22	243.84	243.35	242.91	243.00	243.78
1972	243.52	243.41	243.48	244.48	245.27	245.37	245.69	245.31	244.47	243.74	243.45	243.93	244.34
1973	245.00	245.10	245.53	246.60	246.89	246.65	246.04	245.33	244.45	243.64	243.33	243.40	245.16
1974	244.27	244.57	244.85	245.49	246.27	246.36	246.04	245.16	244.27	243.40	242.97	242.98	244.72
1975	243.29	243.69	243.96	244.58	244.77	244.75	244.56	244.03	243.68	243.46	243.21	243.11	243.92
1976	243.43	243.59	244.62	245.84	246.32	246.06	245.68	245.06	244.50	243.94	243.56	243.37	244.66
1977	243.19	242.92	243.49	244.24	244.27	244.17	244.39	244.36	243.96	243.88	243.64	244.25	243.90
1978	244.91	244.67	244.14	245.39	245.52	245.31	244.73	244.26	243.62	243.30	242.93	243.14	244.33
1979	243.49	243.29	243.84	244.84	245.07	244.95	244.64	244.36	244.06	243.67	243.26	243.17	244.05

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

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

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1980	243.47	243.30	243.35	244.65	245.05	245.03	244.99	244.67	244.05	243.47	243.14	243.19	244.03
1981	243.02	243.08	243.92	243.95	244.31	244.67	244.72	244.49	244.19	243.76	243.70	243.28	243.92
1982	243.38	243.06	243.21	244.52	244.52	244.77	244.62	244.14	243.58	243.21	243.18	243.09	243.77
1983	243.67	243.90	243.77	244.13	245.15	245.08	244.61	244.26	243.93	243.34	242.93	243.47	244.02
1984	243.70	243.68	244.01	244.95	245.56	245.53	245.19	244.41	243.81	243.30	243.11	243.03	244.19
1985	243.63	243.18	244.07	244.84	245.05	245.05	244.83	244.12	243.66	243.28	243.22	243.97	244.08
1986													
1987													
1988													
1989													
1990													
1991													
1992													
1993													
1994													
1995													
1996													
1997													
1998													
1999													
2000													
2001													
2002													
2003													
2004													
2005													
2006													
2007													
2008													
2009													



U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

SUMMARY OF AVERAGE AND EXTREME LEVELS  
 WATER LEVELS IN FEET, IGLD (1955)

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

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
MONTHLY AVERAGE FOR PERIOD 1900 THRU 1985													
	243.51	243.46	243.76	244.56	244.97	245.03	244.92	244.56	244.15	243.76	243.51	243.47	244.14
MONTHLY AVERAGE FOR PERIOD 1976 THRU 1985													
	243.59	243.47	243.84	244.74	245.08	245.06	244.84	244.41	243.94	243.52	243.27	243.40	244.10
HIGHEST MONTHLY AVERAGE FOR PERIOD 1900 THRU 1985													
LEVEL	245.45	245.69	246.07	246.86	247.20	247.30	246.96	246.66	246.18	245.73	245.49	245.60	246.10
YEAR	1946	1952	1952	1952	1952	1952	1947	1947	1947	1945	1945	1945	1952
LOWEST MONTHLY AVERAGE FOR PERIOD 1900 THRU 1985													
LEVEL	241.26	241.41	241.82	242.11	242.39	242.62	242.49	242.07	241.77	241.56	241.29	241.29	241.89
YEAR	1965	1965	1935	1935	1935	1935	1934	1934	1934	1934	1934	1934	1934
HIGHEST MONTHLY AVERAGE FOR PERIOD 1900 THRU 1985 .....247.30 JUN 1952													
LOWEST MONTHLY AVERAGE FOR PERIOD 1900 THRU 1985 .....241.26 JAN 1965													

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 1062 : Alexandria Bay C.G., New York on St. Lawrence River

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1980													
1981													
1982													
1983						245.64	245.13	244.90	244.48	243.86	243.49	243.96	244.49
1984	244.30	244.32	244.71	245.45	246.05	246.08	245.77	245.07	244.46	243.85	243.60	243.50	244.76
1985	244.09	243.90	244.64	245.35	245.60	245.62	245.42	244.76	244.30	243.87	243.85	244.29	244.64
1986													
1987													
1988													
1989													
1990													
1991													
1992													
1993													
1994													
1995													
1996													
1997													
1998													
1999													
2000													
2001													
2002													
2003													
2004													
2005													
2006													
2007													
2008													
2009													

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

SUMMARY OF AVERAGE AND EXTREME LEVELS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 1062 : Alexandria Bay C.G., New York on St. Lawrence River

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---------------

MONTHLY AVERAGE FOR PERIOD 1983 THRU 1985

244.20	244.11	244.68	245.40	245.82	245.78	245.44	244.91	244.41	243.86	243.65	243.92	244.68
--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------

HIGHEST MONTHLY AVERAGE FOR PERIOD 1983 THRU 1985

LEVEL	244.30	244.32	244.71	245.45	246.05	246.08	245.77	245.07	244.48	243.87	243.85	244.29	244.76
YEAR	1984	1984	1984	1984	1984	1984	1984	1984	1983	1985	1985	1985	1984

LOWEST MONTHLY AVERAGE FOR PERIOD 1983 THRU 1985

LEVEL	244.09	243.90	244.64	245.35	245.60	245.62	245.13	244.76	244.30	243.85	243.49	243.50	244.49
YEAR	1985	1985	1985	1985	1985	1985	1983	1985	1985	1984	1983	1984	1983

HIGHEST MONTHLY AVERAGE FOR PERIOD 1983 THRU 1985 .....246.08 JUN 1984

LOWEST MONTHLY AVERAGE FOR PERIOD 1983 THRU 1985 .....243.49 NOV 1983

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 2000 : Cape Vincent, New York on Lake Ontario

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1890													
1891													
1892													
1893													
1894													
1895													
1896													
1897													
1898											243.63		243.63
1899													
1900													
1901													
1902													
1903													
1904													
1905													
1906													
1907													
1908													
1909													
1910													
1911													
1912													
1913													
1914							245.46	245.10	244.94				245.17
1915													
1916	243.94	244.18	244.24	245.16	245.93	246.69	246.70	246.14	245.49	244.86	244.44	244.20	245.16
1917	244.05	243.85	244.02	245.01	245.28	245.77	246.26	246.18	245.74	245.49	245.48	245.31	245.20
1918	244.97	244.80	245.46	245.96	245.90	245.87	245.67	245.24	245.01	244.80	244.81	244.73	245.27
1919	244.91	244.72	244.87	245.47	246.29	246.79	246.64	246.15	245.66	245.18	244.88	244.58	245.51

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 2000 : Cape Vincent, New York on Lake Ontario

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1920	244.12	243.85	243.87	244.36	244.42	244.42	244.54	244.43	244.29	244.11	243.98	244.26	244.22
1921	244.40	244.26	244.64	245.21	245.51	245.42	245.17	244.75	244.27	243.92	243.61	243.66	244.57
1922	243.56	243.59	243.87	244.86	245.32	245.51	245.73	245.31	244.80	244.37	243.89	243.48	244.52
1923	243.26	243.27	243.56	244.16	244.39	244.70	244.54	244.20	243.82	243.41	243.14	243.29	243.81
1924	243.59	243.60	243.67	244.14	244.86	245.02	244.99	244.80	244.42	244.21	243.75	243.41	244.20
1925	242.96	243.22	243.96	244.34	244.38	244.19	243.96	243.68	243.34	243.06	243.13	243.36	243.63
1926	243.07	242.81	242.88	243.73	244.16	244.11	243.98	243.77	243.65	243.76	244.10	244.30	243.69
1927	244.02	244.09	244.49	244.75	244.74	244.90	244.82	244.52	244.06	243.75	243.64	244.46	244.35
1928	244.85	244.75	244.74	245.23	245.38	245.35	245.52	245.39	244.95	244.54	244.45	244.61	244.98
1929	244.68	244.66	244.94	246.07	247.06	247.25	247.16	246.78	246.24	245.69	245.44	245.14	245.93
1930	245.75	245.90	246.46	246.82	246.88	246.93	246.89	246.27	245.65	245.08	244.48	244.06	245.93
1931	243.75	243.55	243.47	243.77	243.91	244.17	244.03	243.64	243.37	243.03	242.83	242.70	243.52
1932	243.13	243.84	244.00	244.59	244.94	244.85	244.66	244.36	243.80	243.39	243.21	243.13	243.99
1933	243.14	243.07	242.93	243.51	244.04	244.16	243.91	243.51	243.20	242.75	242.31	242.24	243.23
1934	242.51	242.54	242.60	243.06	243.25	243.06	242.82	242.34	242.03	241.79	241.50	241.51	242.42
1935	241.68	241.82	242.10	242.41	242.69	242.93	243.11	242.87	242.46	242.14	241.93	241.85	242.33
1936	241.79	241.61	242.26	243.80	244.05	243.90	243.58	243.05	242.79	242.65	242.62	242.40	242.88
1937	242.95	243.42	243.66	243.77	244.60	244.77	244.79	244.65	244.05	243.66	243.54	243.40	243.94
1938	243.20	243.51	244.08	244.51	244.71	244.73	244.47	244.46	244.03	243.80	243.52	243.35	244.03
1939	243.14	243.07	243.59	244.61	244.93	244.85	244.73	244.49	244.00	243.61	243.14	242.90	243.92
1940	242.76	242.52	242.60	243.50	244.27	244.68	244.72	244.42	244.05	243.65	243.49	243.55	243.68
1941	243.87	244.02	244.05	244.37	244.30	244.04	243.84	243.54	243.25	242.96	242.92	242.75	243.66
1942	242.83	242.76	243.28	244.19	244.53	244.89	244.75	244.61	244.30	244.04	244.01	244.06	244.02
1943	244.44	244.70	245.23	245.83	246.62	247.49	247.32	247.00	246.52	245.83	245.77	245.40	246.01
1944	244.85	244.65	244.60	245.07	245.79	245.94	245.95	245.56	245.16	244.67	244.17	244.05	245.04
1945	244.06	244.07	244.76	245.72	246.28	246.66	246.62	246.34	245.96	246.35	246.14	246.19	245.76
1946	246.07	245.85	246.16	246.13	245.85	246.00	245.94	245.56	245.08	244.79	244.77	244.58	245.56
1947	244.59	245.00	244.99	245.79	246.46	247.59	247.70	247.45	246.91	246.11	245.64	245.34	246.13
1948	245.14	245.05	245.58	246.59	246.95	247.06	246.80	246.35	245.71	245.16	244.95	244.74	245.84
1949	244.71	245.08	245.35	245.67	245.74	245.49	245.09	244.58	244.26	243.88	243.53	243.44	244.74

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 2000 : Cape Vincent, New York on Lake Ontario

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1950	244.02	244.50	244.82	245.89	246.09	246.07	245.89	245.53	245.11	244.81	244.71	244.99	245.20
1951	245.19	245.47	246.13	247.08	247.57	247.47	247.44	246.85	246.36	245.80	245.58	245.63	246.38
1952	245.91	246.45	246.77	247.58	247.94	248.07	247.68	247.14	246.65	246.14	245.55	245.52	246.78
1953	245.33	245.44	245.59	246.12	246.48	246.66	246.36	245.94	245.57	244.94	244.52	244.52	245.62
1954	244.27	244.45	245.24	245.88	246.62	246.54	246.18	245.71	245.32	245.30	245.31	245.40	245.52
1955	245.66	245.48	246.22	246.99	247.19	246.97	246.44	245.95	245.50	245.36	245.55	245.24	246.05
1956	244.78	244.55	244.76	245.36	246.31	246.54	246.22	245.79	245.58	244.97	244.53	244.23	245.30
1957	244.07	244.09	244.25	244.56	244.82	245.06	245.23	244.84	244.48	243.95	243.63	243.53	244.38
1958	243.65	243.53	243.73	244.06	244.24	244.24	244.06	243.83	243.60	243.32	243.13	242.90	243.69
1959	242.88	243.21	243.80	244.85	245.05	244.90	244.58	243.97	243.36	243.09	243.04	243.40	243.84
1960	243.70	244.09	244.17	245.08	245.86	246.00	245.58	244.88	244.24	243.95	243.96	243.77	244.61
1961	243.37	243.03	243.61	244.40	245.33	245.55	245.42	244.98	244.59	243.98	243.59	243.51	244.28
1962	243.33	243.07	243.21	244.24	245.03	245.33	245.17	245.05	244.70	244.51	244.24	244.21	244.34
1963	243.83	243.25	243.31	244.46	245.28	245.75	245.67	245.49	244.83	244.15	243.64	243.30	244.41
1964	242.87	242.39	242.39	243.09	244.05	244.48	244.51	244.15	243.69	242.95	242.30	241.79	243.22
1965	241.68	241.81	242.43	243.02	243.92	244.37	244.64	244.46	244.20	244.09	244.02	244.17	243.57
1966	244.05	243.91	244.35	244.67	244.88	245.26	245.28	245.03	244.71	244.27	243.92	244.16	244.54
1967	244.24	244.27	243.99	244.80	245.42	245.79	246.07	245.92	245.43	245.24	245.14	244.74	245.09
1968					245.17	245.57	245.85	245.48	245.05	244.43	244.02	244.20	244.97
1969	244.31	244.28	244.36	244.94	245.52	246.01	245.78	245.45	244.48	243.91			244.90
1970					245.16	245.33	245.49	245.27	244.69	244.29	244.06	243.94	244.78
1971	244.17	244.10	244.48	245.01	245.54	245.42	245.28	244.97	244.65	244.14	243.60	243.53	244.57
1972	243.94	244.14	244.46	245.28	246.19	246.39	246.77	246.45	245.59	244.79	244.47	244.35	245.24
1973				247.72	247.89	247.80	247.27	246.45	245.58	244.75	244.27	244.18	246.21
1974	244.78	245.54	245.74	245.84		247.35	247.20	246.38	245.73	244.14	243.83	243.34	245.44
1975	243.45	243.88	244.26	244.84	245.40	245.82	245.54	245.02	244.66	244.50	244.22	243.96	244.63
1976	244.22	244.70	245.65	246.67	247.23	247.28	247.25	245.98	245.56	244.96	244.47	244.00	245.66
1977			244.46	244.90			245.05	245.09	244.86	244.81	244.52	244.56	244.78
1978		245.87	245.45	246.24	246.54	246.29	245.69	245.17	244.55	244.07	243.61	243.50	245.18
1979	244.10	244.13	244.68	245.61	245.98	245.90	245.58	245.29	245.03	244.83	244.22	244.08	244.95

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 2000 : Cape Vincent, New York on Lake Ontario

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1980	244.02	244.12	244.19	245.44	245.97	245.96	245.91	245.70	245.12	244.40	243.98	243.89	244.89
1981	243.80	243.85	244.66	244.66	244.99	245.37	245.56	245.45	245.28	244.88	244.75	244.38	244.80
1982	244.08				245.43	245.70	245.57	245.05	244.52	244.08	243.96	243.93	244.70
1983	244.24	244.58	244.63	245.02	245.96	246.08	245.54	245.21	244.84	244.27	243.86	244.23	244.87
1984	244.50	244.75	245.10	245.81	246.48	246.55	246.26	245.57	244.90	244.24	243.94	243.80	245.16
1985	244.27			245.84	246.02	246.08	245.89	245.22	244.77	244.29	244.30	244.67	245.14
1986													
1987													
1988													
1989													
1990													
1991													
1992													
1993													
1994													
1995													
1996													
1997													
1998													
1999													
2000													
2001													
2002													
2003													
2004													
2005													
2006													
2007													
2008													
2009													

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

SUMMARY OF AVERAGE AND EXTREME LEVELS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 2000 : Cape Vincent, New York on Lake Ontario

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
MONTHLY AVERAGE FOR PERIOD 1898 THRU 1985													
	243.96	244.04	244.34	245.05	245.47	245.65	245.53	245.16	244.72	244.30	244.05	243.97	244.69
MONTHLY AVERAGE FOR PERIOD 1900 THRU 1985													
	243.96	244.04	244.34	245.05	245.47	245.65	245.53	245.16	244.72	244.30	244.05	243.97	244.69
MONTHLY AVERAGE FOR PERIOD 1976 THRU 1985													
	244.15	244.57	244.85	245.58	246.07	246.13	245.83	245.37	244.94	244.48	244.16	244.10	245.02
HIGHEST MONTHLY AVERAGE FOR PERIOD 1898 THRU 1985													
LEVEL	246.07	246.45	246.77	247.72	247.94	248.07	247.70	247.45	246.91	246.35	246.14	246.19	246.78
YEAR	1946	1952	1952	1973	1952	1952	1947	1947	1947	1945	1945	1945	1952
LOWEST MONTHLY AVERAGE FOR PERIOD 1898 THRU 1985													
LEVEL	241.68	241.61	242.10	242.41	242.69	242.93	242.82	242.34	242.03	241.79	241.50	241.51	242.33
YEAR	1965	1936	1935	1935	1935	1935	1934	1934	1934	1934	1934	1934	1935
HIGHEST MONTHLY AVERAGE FOR PERIOD 1898 THRU 1985 ....248.07 JUN 1952													
LOWEST MONTHLY AVERAGE FOR PERIOD 1898 THRU 1985 .....241.50 NOV 1934													



U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 2030 : Oswego, New York on Lake Ontario

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1860	245.35	245.39	245.49	245.53	245.77	246.24	246.61	246.03	245.58	245.39	245.48	245.49	245.70
1861	245.22	245.23	245.72	245.87	246.83	247.26	247.03	246.83	246.32	246.49	246.56	246.35	246.31
1862	245.90	245.44	245.81	246.66	247.61	247.35	247.41	247.07	246.39	245.44	245.50	245.34	246.33
1863	245.46	245.55	245.62	246.26	246.82	246.93	246.56	246.03	245.71	245.46	245.30	245.32	245.92
1864	245.04	244.91	244.98	245.50	246.48	246.92	246.62	246.14	245.65	245.32	245.31	245.41	245.69
1865	245.78	245.96	246.11	246.20	246.39	246.40	246.32	245.76	245.12	244.85	244.57	244.43	245.66
1866	244.20	244.23	244.18	244.67	244.86	245.55	245.56	245.48	245.39	245.32	245.00	244.96	244.95
1867	244.73	244.56	245.22	246.20	246.82	247.23	246.88	246.29	245.75	245.17	244.42	243.65	245.58
1868	243.16	243.26	243.53	244.25	244.71	245.32	245.19	244.90	244.74	244.19	243.88	244.10	244.27
1869	244.00	244.10	244.26	244.82	245.48	245.72	246.03	246.11	245.90	245.84	245.47	245.60	245.28
1870	245.94	246.14	246.09	246.96	247.74	247.42	247.10	246.73	246.06	245.73	245.23	244.93	246.34
1871	244.82	244.65	244.85	245.43	245.89	245.82	245.67	245.22	244.88	244.38	243.97	243.66	244.94
1872	243.50	243.28	243.12	243.48	243.74	243.99	244.14	243.99	243.64	243.49	243.39	243.12	243.57
1873	243.04	243.15	243.28	245.18	245.74	245.69	245.65	245.36	244.93	244.51	244.40	244.57	244.62
1874	245.15	245.53	246.08	245.99	245.96	246.07	246.01	245.76	245.13	244.72	244.19	243.82	245.37
1875	243.52	243.18	243.45	244.21	244.50	244.67	244.73	244.55	244.35	244.07	243.90	243.70	244.07
1876	244.09	244.77	245.32	246.20	246.87	247.09	247.16	246.71	246.10	245.77	245.41	245.20	245.89
1877	244.71	244.43	244.58	245.26	245.34	245.22	245.25	245.00	244.57	244.17	244.05	244.18	244.73
1878	244.28	244.48	245.18	245.44	245.78	245.76	245.72	245.68	245.39	245.13	245.01	245.80	245.30
1879	245.60	245.26	245.13	245.50	245.61	245.61	245.47	245.11	244.71	244.27	243.90	243.91	245.01
1880	244.10	244.43	244.75	244.95	245.13	245.33	245.42	244.89	244.54	244.16	244.10	243.90	244.64
1881	243.53	243.52	244.19	244.60	244.79	245.00	245.10	244.78	244.19	243.99	243.99	244.00	244.31
1882	244.53	244.71	245.32	245.61	245.82	246.35	246.33	245.99	245.61	245.10	244.67	244.42	245.37
1883	244.10	244.15	244.40	244.95	245.59	246.29	246.83	246.64	246.17	245.74	245.49	245.36	245.48
1884	245.31	245.71	246.38	246.96	246.99	246.89	246.79	246.44	246.02	245.60	245.10	244.95	246.10
1885	244.95	244.68	244.39	245.07	245.87	246.24	246.38	246.24	246.00	245.82	245.87	246.04	245.63
1886	246.40	246.47	246.61	247.23	247.45	247.21	246.84	246.39	246.04	245.63	245.31	245.24	246.40
1887	244.96	245.72	246.23	246.44	247.00	246.96	246.68	246.18	245.56	245.17	244.82	244.55	245.86
1888	244.25	244.10	244.34	244.97	245.11	245.08	245.14	245.04	244.65	244.29	244.21	244.21	244.62
1889	244.42	244.57	244.73	244.97	245.12	245.43	245.62	245.37	244.87	244.37	243.98	244.52	244.83

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 2030 : Oswego, New York on Lake Ontario

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1890	245.06	245.40	245.77	245.97	246.32	246.96	246.79	246.13	245.77	245.44	245.51	245.31	245.87
1891	244.99	245.25	245.79	246.27	246.04	245.63	245.35	244.91	244.48	243.84	243.24	243.23	244.92
1892	243.31	243.28	243.41	244.00	244.05	244.61	245.13	245.05	244.84	244.40	244.12	244.00	244.18
1893	243.63	243.53	244.01	244.75	245.89	246.13	245.86	245.33	245.07	244.54	244.13	243.99	244.74
1894	244.32	244.51	244.81	244.86	245.03	245.56	245.36	244.79	244.27	244.02	243.71	243.33	244.55
1895	243.26	243.20	243.09	243.63	243.76	243.65	243.35	243.11	242.76	242.43	242.17	242.19	243.05
1896	242.56	243.03	243.25	244.17	244.19	244.10	243.84	243.70	243.22	242.99	242.73	242.75	243.38
1897	242.63	242.59	243.06	243.72	244.17	244.38	244.37	244.36	243.86	243.23	243.17	243.23	243.56
1898	243.40	243.84	244.24	244.68	244.83	244.89	244.61	244.27	243.85	243.60	243.64	243.66	244.13
1899	243.74	243.64	243.90	244.45	244.70	244.83	244.68	244.22	243.72	243.29	243.19	243.12	243.96
1900	243.27	243.57	243.87	244.56	244.75	244.67	244.58	244.30	243.88	243.49	243.33	243.60	243.99
1901	243.44	243.38	243.16	244.39	244.68	244.78	244.57	244.23	243.91	243.47	243.08	243.13	243.85
1902	243.26	243.21	243.99	244.33	244.31	244.36	244.79	244.96	244.46	244.13	243.84	243.65	244.11
1903	243.59	243.74	244.56	245.45	245.35	245.23	245.32	245.10	244.79	244.43	244.26	243.84	244.64
1904	243.48	243.77	244.40	245.77	246.38	246.64	246.66	246.41	246.02	245.64	245.13	244.58	245.41
1905	244.56	244.26	244.06	244.90	245.02	245.36	245.75	245.67	245.52	245.22	244.84	244.65	244.98
1906	244.89	244.86	244.67	245.01	245.12	245.17	245.34	245.03	244.57	244.28	244.35	244.47	244.81
1907	245.10	245.23	245.23	245.63	245.85	245.88	245.88	245.66	245.26	245.16	245.09	245.09	245.42
1908	245.49	245.75	246.15	246.78	247.22	247.38	247.10	246.71	245.91	245.20	244.68	244.27	246.05
1909	243.93	244.04	244.46	244.94	245.92	246.06	245.92	245.58	245.04	244.60	244.11	243.97	244.88
1910	243.70	243.79	244.51	244.73	245.18	245.22	245.05	244.82	244.46	244.14	243.91	243.65	244.43
1911	243.53	243.62	243.72	244.20	244.36	244.42	244.30	243.95	243.64	243.38	243.26	243.39	243.81
1912	243.52	243.63	243.86	245.08	245.58	246.10	245.77	245.42	245.14	244.93	244.84	244.87	244.90
1913	245.27	245.51	245.47	246.62	246.73	246.78	246.59	246.07	245.50	245.05	244.82	244.67	245.76
1914	244.36	244.63	244.43	245.51	245.71	245.67	245.48	245.09	244.85	244.35	244.01	243.59	244.81
1915	243.46	243.75	244.03	243.80	243.91	243.88	243.89	244.19	244.22	243.93	243.70	243.54	243.86
1916	243.81	244.17	244.22	245.16	245.89	246.62	246.69	246.12	245.45	244.82	244.41	244.13	245.12
1917	244.02	243.84	243.93	245.00	245.27	245.74	246.22	246.11	245.69	245.44	245.45	245.41	245.18
1918	244.83	244.74	245.37	245.93	245.89	245.77	245.61	245.19	244.96	244.76	244.76	244.65	245.20
1919	244.91	244.73	244.83	245.25	246.09	246.77	246.57	246.15	245.68	245.17	244.93	244.56	245.47

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 2030 : Oswego, New York on Lake Ontario

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1920	244.13	243.83	243.87	244.37	244.42	244.38	244.52	244.44	244.29	244.11	244.05	244.22	244.22
1921	244.30	244.22	244.55	245.14	245.44	245.37	245.13	244.69	244.19	243.87	243.61	243.59	244.51
1922	243.49	243.46	243.84	244.82	245.31	245.51	245.68	245.32	244.79	244.37	243.91	243.40	244.49
1923	243.26	243.23	243.50	244.09	244.38	244.69	244.56	244.17	243.79	243.41	243.10	243.23	243.78
1924	243.53	243.61	243.64	244.12	244.86	245.03	244.97	244.80	244.41	244.21	243.71	243.34	244.19
1925	242.98	243.17	243.96	244.37	244.41	244.18	243.97	243.66	243.32	243.08	243.07	243.31	243.62
1926	243.04	242.86	242.90	243.68	244.13	244.07	243.96	243.75	243.62	243.69	244.00	244.18	243.66
1927	244.04	244.07	244.47	244.73	244.71	244.87	244.77	244.53	244.03	243.75	243.61	244.41	244.33
1928	244.80	244.75	244.73	245.18	245.37	245.36	245.50	245.41	244.94	244.53	244.44	244.57	244.96
1929	244.62	244.70	244.92	246.05	247.04	247.23	247.13	246.77	246.22	245.73	245.43	245.22	245.92
1930	245.42	245.82	246.43	246.76	246.84	246.88	246.86	246.23	245.62	245.01	244.42	244.07	245.86
1931	243.71	243.52	243.44	243.74	243.90	244.20	244.04	243.66	243.36	243.01	242.77	242.71	243.50
1932	243.12	243.82	244.03	244.59	244.91	244.82	244.67	244.36	243.81	243.34	243.15	243.07	243.97
1933	243.10	243.08	243.04	243.62	244.09	244.22	243.94	243.54	243.13	242.62	242.21	242.14	243.23
1934	242.36	242.45	242.45	243.04	243.23	242.99	242.75	242.26	241.94	241.72	241.45	241.48	242.34
1935	241.67	241.82	242.08	242.38	242.67	242.91	243.09	242.83	242.43	242.06	241.90	241.86	242.31
1936	241.80	241.59	242.24	243.78	244.02	243.84	243.55	243.00	242.75	242.59	242.53	242.26	242.83
1937	242.74	243.42	243.61	243.78	244.59	244.81	244.80	244.52	244.11	243.59	243.58	243.42	243.91
1938	243.23	243.51	244.03	244.57	244.72	244.63	244.46	244.44	244.01	243.80	243.45	243.19	244.00
1939	243.08	243.14	243.68	244.51	244.91	244.83	244.71	244.48	243.96	243.58	243.16	242.92	243.91
1940	242.72	242.55	242.60	243.52	244.28	244.65	244.75	244.41	244.06	243.68	243.47	243.54	243.69
1941	243.91	244.02	244.07	244.33	244.27	244.05	243.82	243.55	243.23	242.95	242.85	242.75	243.65
1942	242.78	242.79	243.31	244.20	244.56	244.89	244.75	244.57	244.27	243.98	243.96	243.99	244.00
1943	244.40	244.68	245.22	245.81	246.63	247.50	247.33	247.03	246.50	245.87	245.76	245.40	246.01
1944	244.88	244.62	244.59	245.11	245.77	245.98	245.97	245.59	245.17	244.71	244.22	244.11	245.06
1945	244.06	244.08	244.76	245.69	246.29	246.67	246.63	246.36	245.97	246.33	246.18	246.19	245.77
1946	246.10	245.86	246.18	246.13	245.93	246.02	245.91	245.53	245.06	244.77	244.68	244.50	245.56
1947	244.54	244.95	244.98	245.80	246.51	247.63	247.74	247.45	246.91	246.12	245.64	245.38	246.14
1948	245.13	245.03	245.57	246.58	246.95	247.07	246.83	246.36	245.70	245.17	244.87	244.68	245.83
1949	244.75	245.06	245.37	245.64	245.73	245.48	245.05	244.57	244.21	243.86	243.49	243.39	244.72

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 2030 : Oswego, New York on Lake Ontario

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1950	244.00	244.53	244.86	245.90	246.10	246.05	245.89	245.55	245.15	244.82	244.69	244.97	245.21
1951	245.20	245.52	246.12	247.10	247.60	247.49	247.46	246.87	246.36	245.78	245.55	245.61	246.39
1952	245.92	246.46	246.77	247.60	247.95	248.06	247.67	247.13	246.63	246.12	245.53	245.50	246.78
1953	245.36	245.43	245.57	246.12	246.53	246.68	246.36	245.97	245.56	244.99	244.55	244.50	245.64
1954	244.33	244.51	245.27	245.89	246.62	246.54	246.20	245.68	245.31	245.24	245.32	245.42	245.53
1955	245.68	245.51	246.21	247.00	247.19	246.96	246.45	245.97	245.50	245.37	245.59	245.27	246.06
1956	244.84	244.54	244.77	245.38	246.32	246.52	246.20	245.79	245.59	244.94	244.53	244.28	245.31
1957	244.11	244.13	244.31	244.59	244.85	245.04	245.20	244.86	244.45	243.95	243.59	243.52	244.38
1958	243.72	243.62	243.78	244.09	244.26	244.23	244.07	243.84	243.61	243.34	243.14	242.95	243.72
1959	242.93	243.31	243.83	244.85	245.09	244.94	244.57	243.97	243.37	243.13	243.05	243.34	243.86
1960	243.78	244.17	244.24	245.12	245.89	246.00	245.57	244.88	244.25	243.91	243.90	243.72	244.62
1961	243.39	243.02	243.65	244.44	245.34	245.58	245.44	244.98	244.59	243.99	243.62	243.57	244.30
1962	243.37	243.16	243.31	244.33	245.05	245.34	245.19	245.06	244.73	244.54	244.30	244.30	244.39
1963	243.94	243.43	243.30	244.46	245.33	245.78	245.69	245.51	244.88	244.18	243.70	243.46	244.47
1964	242.94	242.43	242.40	243.18	244.09	244.50	244.52	244.17	243.70	242.99	242.32	241.87	243.26
1965	241.78	241.99	242.49	243.13	243.94	244.38	244.65	244.47	244.22	244.11	244.05	244.23	243.62
1966	244.21	244.03	244.45	244.67	244.86	245.25	245.25	244.99	244.66	244.22	243.90	244.18	244.56
1967	244.23	244.28	243.99	244.78	245.44	245.79	246.05	245.90	245.45	245.25	245.18	244.81	245.10
1968	244.49	244.63	244.59	245.19	245.18	245.57	245.85	245.49	245.05	244.44	244.05	244.31	244.90
1969	244.37	244.60	244.36	244.94	245.62	246.03	245.80	245.34	244.50	243.90	243.74	243.73	244.74
1970	243.67	243.72	243.79	244.52	245.16	245.34	245.50	245.24	244.70	244.32	244.08	244.11	244.51
1971	244.20	244.14	244.60	245.08	245.59	245.48	245.34	244.97	244.68	244.15	243.69	243.67	244.63
1972	244.04	244.36	244.61	245.36	246.23	246.41	246.72	246.39	245.60	244.86	244.58	244.91	245.34
1973	245.77	246.25	246.61	247.69	247.92	247.82	247.28	246.44	245.62	244.84	244.41	244.35	246.25
1974	245.02	245.61	245.91	246.49	247.19	247.45	247.21	246.38	245.45	244.54	244.00	244.03	245.77
1975	244.13	244.61	245.05	245.61	245.84	245.83	245.50	244.99	244.65	244.55	244.24	244.10	244.92
1976	244.32	244.62	245.77	246.78	247.30	247.30	246.97	246.27	245.59	245.06	244.55	244.10	245.72
1977	244.03	243.77	244.31	245.09	245.21	244.98	245.09	245.12	244.92	245.03	244.72	245.08	244.78
1978	245.88	246.00	245.52	246.29	246.58	246.30	245.70	245.19	244.61	244.15	243.70	243.71	245.30
1979	244.23	244.40	244.78	245.70	246.06	245.94	245.59	245.29	245.06	244.75	244.26	244.21	245.02

Station 2030 : Oswego, New York on Lake Ontario

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1980	244.30	244.31	244.29	245.52	246.01	245.98	245.93	245.71	245.16	244.46	244.10	244.06	244.99
1981	243.98	243.94	244.75	244.70	245.03	245.38	245.56	245.48	245.30	244.90	244.81	244.43	244.86
1982	244.25	244.24	244.30	245.30	245.52	245.75	245.63	245.11	244.57	244.17	244.02	244.02	244.74
1983	244.39	244.76	244.79	245.11	246.01	246.11	245.60	245.27	244.87	244.34	243.99	244.34	244.96
1984	244.66	244.76	245.23	245.91	246.53	246.56	246.25	245.61	244.97	244.33	244.00	243.89	245.22
1985	244.47	244.33	245.10	245.83	246.10	246.12	245.90	245.28	244.85	244.35	244.43	244.88	245.14
1986													
1987													
1988													
1989													
1990													
1991													
1992													
1993													
1994													
1995													
1996													
1997													
1998													
1999													
2000													
2001													
2002													
2003													
2004													
2005													
2006													
2007													
2008													
2009													

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

SUMMARY OF AVERAGE AND EXTREME LEVELS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 2030 : Oswego, New York on Lake Ontario

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
MONTHLY AVERAGE FOR PERIOD 1860 THRU 1985													
	244.17	244.25	244.52	245.15	245.54	245.69	245.60	245.26	244.83	244.45	244.20	244.14	244.82
MONTHLY AVERAGE FOR PERIOD 1900 THRU 1985													
	244.05	244.13	244.40	245.08	245.48	245.61	245.51	245.17	244.73	244.34	244.09	244.02	244.72
MONTHLY AVERAGE FOR PERIOD 1976 THRU 1985													
	244.45	244.51	244.88	245.62	246.04	246.04	245.82	245.43	244.99	244.55	244.26	244.27	245.07
HIGHEST MONTHLY AVERAGE FOR PERIOD 1860 THRU 1985													
LEVEL	246.40	246.47	246.77	247.69	247.95	248.06	247.74	247.45	246.91	246.49	246.56	246.35	246.78
YEAR	1886	1886	1952	1973	1952	1952	1947	1947	1947	1861	1861	1861	1952
LOWEST MONTHLY AVERAGE FOR PERIOD 1860 THRU 1985													
LEVEL	241.67	241.59	242.08	242.38	242.67	242.91	242.75	242.26	241.94	241.72	241.45	241.48	242.31
YEAR	1935	1936	1935	1935	1935	1935	1934	1934	1934	1934	1934	1934	1935

HIGHEST MONTHLY AVERAGE FOR PERIOD 1860 THRU 1985 ....248.06 JUN 1952

LOWEST MONTHLY AVERAGE FOR PERIOD 1860 THRU 1985 .....241.45 NOV 1934

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 2058 : Rochester, New York on Lake Ontario

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1860	245.26	245.09	245.20	245.22	245.46	245.65	245.77	245.76	245.35	245.09	245.17	245.18	245.35
1861	244.96	244.97	245.41	245.95	246.72	246.96	246.97	246.68	246.22	246.37	246.28	246.08	246.13
1862	245.72	245.46	245.57	246.43	247.26	247.11	247.00	246.67	246.14	245.64	245.27	245.13	246.12
1863	245.20	245.39	245.56	246.15	246.65	246.65	246.41	246.10	245.55	245.12	244.93	244.94	245.72
1864	244.78	244.76	244.83	245.37	246.42	246.75	246.35	245.97	245.44	245.15	245.24	245.46	245.54
1865	245.19	244.85	245.26	245.89	246.15	246.12	245.92	245.43	245.07	244.72	244.40	244.32	245.28
1866	244.13	243.90	244.21	244.56	245.02	245.76	245.53	245.31	245.17	245.05	245.07	245.53	244.94
1867	245.47	245.45	245.58	245.99	246.78	247.08							246.06
1868		243.24	243.60	244.26	244.79	245.14	245.01	244.80	244.57	243.87	243.98	243.96	244.29
1869	243.82	243.95	244.14	244.88	245.47	245.64	245.91	245.86	245.71	245.41	245.00	245.15	245.08
1870	245.68	245.83	245.76	246.79	247.47	247.25	246.98	246.53	245.93	245.58	245.16	244.96	246.16
1871	244.74	244.52	244.81	245.47	245.76	245.69	245.52	245.08	244.74	244.17	243.57	243.30	244.78
1872	243.15	242.95	242.82	243.24	243.48	243.80	243.86	243.71	243.46	243.36	243.25	243.06	243.34
1873	242.99	242.90	243.07	244.75	245.43	245.48	245.42	245.18	244.74	244.38	244.22	244.35	244.41
1874	244.82	245.16	245.60	245.71	245.84	245.80	245.91	245.66	245.16	244.55	244.02	243.72	245.16
1875	243.37	243.04	243.20	243.89	244.24	244.47	244.59	244.38	244.13	243.87	243.68	243.56	243.87
1876	243.96	244.57	245.15	246.06	246.73	246.84	246.85	246.42	245.75	245.40	245.05	244.79	245.63
1877	244.38	244.14	244.25	244.85	245.25	245.06	245.09	244.82	244.41	244.01	243.86	244.01	244.51
1878	244.14	244.38	244.90	245.29	245.62	245.68	245.64	245.53	245.38	244.94	244.91	245.58	245.17
1879	245.35	245.00	245.02	245.27	245.43	245.46	245.26	244.89	244.48	244.04	243.65	243.66	244.79
1880	243.88	244.17	244.49	244.72	244.92	245.14	245.07	244.69	244.38	243.90	243.80	243.59	244.40
1881	243.29	243.38	243.95	244.31	244.61	244.81	244.86	244.53	244.08	243.76	243.76	243.74	244.09
1882	244.27	244.47	245.05	245.36	245.64	246.14	246.15	245.78	245.39	244.91	244.43	244.13	245.14
1883	243.90	243.97	244.19	244.75	245.37	246.16	246.61	246.46	246.02	245.60	245.35	245.25	245.30
1884	245.20	245.61	246.11	246.79	246.92	246.81	246.67	246.41	245.91	245.51	244.98	244.85	245.98
1885	244.82	244.54	244.30	245.04	245.83	246.16	246.31	246.12	245.93	245.73	245.76	245.94	245.54
1886	246.31	246.32	246.34	247.12	247.35	247.10	246.71	246.26	245.85	245.48	245.19	245.12	246.26
1887	244.91	245.60	246.03	246.32	246.84	246.83	246.55	246.06	245.46	244.98	244.49	244.34	245.70
1888	244.22	244.03	244.25	244.75	244.96	245.01	244.95	244.78	244.55	244.20	244.08	244.05	244.49
1889	244.16	244.46	244.53	244.70	244.95	245.39	245.53	245.29	244.74	244.43	244.10	244.32	244.72

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 2058 : Rochester, New York on Lake Ontario

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1890	244.93	245.24	245.55	245.76	246.15	246.73	246.66	246.09	245.62	245.39	245.34	245.11	245.71
1891	244.79	244.87	245.42	246.04	245.96	245.55	245.24	244.87	244.45	243.81	243.11	243.13	244.77
1892	243.33	243.27	243.26	243.66	243.91	244.49	245.01	244.93	244.66	244.24	243.92	243.83	244.04
1893	243.80	243.47	243.85	244.55	245.78	246.05	245.83	245.23	244.95	244.51	244.01	243.83	244.66
1894	244.14	244.36	244.73	244.80	244.97	245.44	245.23	244.66	244.15	243.86	243.58	243.25	244.43
1895	243.23	243.07	243.08	243.42	243.64	243.47	243.21	242.94	242.73	242.33	242.10	242.20	242.95
1896	242.42	242.71	242.93	243.80	244.09	244.00	243.78	243.54	243.16	242.94	242.68	242.63	243.22
1897	242.45	242.46	242.91	243.57	244.13	244.30	244.24	244.24	243.78	243.19	242.99	243.08	243.44
1898	243.29	243.68	244.07	244.49	244.71	244.75	244.47	244.06	243.70	243.42	243.37	243.33	243.94
1899	243.45	243.35	243.64	244.18	244.58	244.72	244.52	244.13	243.61	243.28	243.16	242.96	243.80
1900	243.09	243.20	243.64	244.23	244.58	244.56	244.42	244.17	243.73	243.40	243.19	243.43	243.80
1901	243.38	243.31	243.05	244.07	244.51	244.63	244.45	244.09	243.77	243.32	242.91	242.91	243.70
1902	243.09	243.03	243.59	244.12	244.21	244.23	244.65	244.78	244.37	244.10	243.74	243.52	243.95
1903	243.54	243.65	244.24	245.21	245.25	245.16	245.25	245.04	244.76	244.36	244.00	243.65	244.51
1904	243.42	243.60	244.20	245.50	246.18	246.53	246.60	246.34	245.92	245.50	245.02	244.51	245.28
1905	244.50	244.16	244.07	244.61	244.84	245.25	245.61	245.59	245.42	245.09	244.72	244.59	244.87
1906	244.86	244.86	244.64	244.85	245.00	245.10	245.25	244.95	244.53	244.34	244.30	244.42	244.76
1907	244.94	245.17	245.13	245.47	245.72	245.78	245.82	245.53	245.19	245.05	244.94	244.95	245.31
1908													
1909													
1910													
1911													
1912													
1913													
1914													
1915													
1916													
1917													
1918													
1919													



U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 205B : Rochester, New York on Lake Ontario

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1920													
1921													
1922													
1923													
1924													
1925													
1926													
1927													
1928													
1929													
1930													
1931													
1932													
1933													
1934													
1935					242.66	242.89	243.06	242.81	242.41				242.77
1936													
1937													
1938													
1939													
1940													
1941													
1942													
1943													
1944													
1945													
1946													
1947													
1948													
1949													

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 2058 : Rochester, New York on Lake Ontario

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1950													
1951													
1952													
1953	245.37		245.58	246.12	246.56	246.69	246.36	245.95	245.52	244.99	244.55	244.43	245.65
1954	244.33	244.52	245.23	245.89	246.64	246.55	246.16	245.66	245.33	245.26	245.32	245.40	245.52
1955	245.65	245.49	246.17	247.02	247.20	246.99	246.46	246.02	245.50	245.39	245.51	245.28	246.06
1956	244.87	244.56	244.80	245.41	246.33	246.55	246.21	245.77	245.55	244.97	244.52	244.22	245.31
1957	244.08	244.05	244.25	244.53	244.87	245.07	245.19	244.86	244.43	243.97	243.53	243.50	244.36
1958	243.69	243.60	243.78	244.10	244.29	244.25	244.11	243.84	243.59	243.35	243.10	242.89	243.72
1959	242.77	243.32	243.80		245.12	244.95	244.58	243.98	243.41	243.13	243.01	243.28	243.76
1960	243.69	244.05	244.16	245.17	245.94	246.07	245.63	244.95	244.31	243.95	243.90	243.67	244.62
1961	243.32	242.98	243.68	244.46	245.38	245.58	245.43	245.00	244.60	243.99	243.61	243.53	244.30
1962	243.35	243.17	243.32	244.32	245.05	245.35	245.18	245.07	244.72	244.56	244.33	244.26	244.39
1963	243.92	243.39	243.29	244.43	245.33	245.77	245.66	245.45	244.89	244.20	243.66	243.42	244.45
1964	242.89	242.39	242.38	243.16	244.07	244.49	244.52	244.15	243.71	242.95	242.28	241.83	243.24
1965	241.74	241.90	242.43	243.09	243.95	244.37	244.63	244.44	244.22	244.06	244.01	244.21	243.59
1966	244.14	244.02	244.42	244.71	244.89	245.26	245.26	244.98	244.65	244.22	243.89	244.16	244.55
1967	244.24	244.26	244.05	244.82	245.48	245.84	246.08	245.93	245.48	245.26	245.17	244.82	245.12
1968	244.52	244.62	244.61	245.25	245.25	245.65	245.89	245.54	245.11	244.47	244.07	244.30	244.94
1969	244.35	244.58	244.38	245.05	245.66	246.08	245.85	245.37	244.54	243.91	243.75	243.75	244.77
1970	243.68	243.74	243.79	244.53	245.19	245.37	245.53	245.25	244.69	244.34	244.12	244.14	244.53
1971	244.20	244.17	244.63	245.16	245.61	245.49	245.36	245.00	244.72	244.21	243.71	243.71	244.66
1972	244.06	244.35	244.66	245.38	246.22	246.40	246.71	246.39	245.63	244.86	244.60	244.93	245.35
1973	245.74	246.27	246.64	247.70	247.95	247.84	247.29	246.46	245.61	244.86	244.40	244.38	246.26
1974	245.03	245.63	245.93	246.52	247.23	247.50	247.22	246.40	245.45	244.54	244.01	244.05	245.79
1975	244.13	244.61	245.07	245.62	245.89	245.88	245.53	245.02	244.68	244.58	244.25	244.12	244.95
1976	244.32	244.63	245.80	246.81	247.35	247.34	246.99	246.30	245.59	245.04	244.50	244.07	245.73
1977	243.96	243.78	244.33	245.11	245.24	245.01	245.11	245.12	244.95	245.05	244.76	245.09	244.79
1978	245.87	246.00	245.54	246.32	246.64	246.34	245.73	245.22	244.67	244.20	243.73	243.71	245.33
1979	244.24	244.43	244.82	245.74	246.12	246.01	245.66	245.32	245.11	244.77	244.28	244.23	245.06

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 2058 : Rochester, New York on Lake Ontario

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1980	244.30	244.33	244.33	245.58	246.06	246.02	245.96	245.75	245.19	244.45	244.11	244.06	245.01
1981	243.98	243.95	244.75	244.73	245.06	245.42	245.60	245.53	245.36	244.91	244.82	244.44	244.88
1982	244.23	244.25	244.32	245.32	245.58	245.81	245.67	245.12	244.60	244.20	244.02	244.04	244.76
1983	244.41	244.80	244.82	245.15	246.06	246.15	245.63	245.31	244.88	244.36	244.02	244.30	244.99
1984	244.67	244.80	245.27	245.97	246.58	246.59	246.36	245.64	244.99	244.34	244.00	243.88	245.25
1985	244.44	244.33	245.12	245.86	246.12	246.15	245.92	245.32	244.89	244.35	244.45	244.85	245.15
1986													
1987													
1988													
1989													
1990													
1991													
1992													
1993													
1994													
1995													
1996													
1997													
1998													
1999													
2000													
2001													
2002													
2003													
2004													
2005													
2006													
2007													
2008													
2009													

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

SUMMARY OF AVERAGE AND EXTREME LEVELS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 2058 : Rochester, New York on Lake Ontario

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
MONTHLY AVERAGE FOR PERIOD 1860 THRU 1985													
	244.21	244.23	244.51	245.14	245.55	245.69	245.58	245.25	244.83	244.46	244.20	244.15	244.82
MONTHLY AVERAGE FOR PERIOD 1900 THRU 1985													
	244.12	244.15	244.46	245.18	245.57	245.69	245.58	245.22	244.78	244.41	244.12	244.07	244.78
MONTHLY AVERAGE FOR PERIOD 1976 THRU 1985													
	244.44	244.53	244.91	245.66	246.08	246.08	245.85	245.46	245.02	244.57	244.27	244.27	245.10
HIGHEST MONTHLY AVERAGE FOR PERIOD 1860 THRU 1985													
LEVEL	246.31	246.32	246.64	247.70	247.95	247.84	247.29	246.68	246.22	246.37	246.28	246.08	246.26
YEAR	1886	1886	1973	1973	1973	1973	1973	1861	1861	1861	1861	1861	1973
LOWEST MONTHLY AVERAGE FOR PERIOD 1860 THRU 1985													
LEVEL	241.74	241.90	242.38	243.09	242.66	242.89	243.06	242.81	242.41	242.33	242.10	241.83	242.77
YEAR	1965	1965	1964	1965	1935	1935	1935	1935	1935	1895	1895	1964	1935
HIGHEST MONTHLY AVERAGE FOR PERIOD 1860 THRU 1985 .....247.95      MAY      1973													
LOWEST MONTHLY AVERAGE FOR PERIOD 1860 THRU 1985 .....241.74      JAN      1965													

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 2076 : Olcott, New York on Lake Ontario

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1950													
1951													
1952													
1953													
1954													
1955													
1956													
1957													
1958													
1959													
1960													
1961													
1962													
1963													
1964													
1965													
1966													
1967	244.24	244.26	244.06	244.81	245.49	245.89	246.09	245.92	245.47	245.27	245.16	244.84	245.12
1968	244.54	244.58	244.72	245.29	245.26	245.66	245.88	245.51	245.12	244.46	244.07	244.27	244.95
1969	244.35	244.57	244.35	244.99	245.68	246.10	245.87	245.34	244.54	243.93	243.77	243.75	244.77
1970	243.68	243.73	243.81	244.57	245.23	245.41	245.57	245.26	244.75	244.39	244.16	244.18	244.56
1971	244.15	244.16	244.61	245.14	245.63	245.53	245.37	244.98	244.76	244.26	243.76	243.73	244.67
1972	244.04	244.34	244.68	245.40	246.27	246.44	246.73	246.41	245.63	244.87	244.63	244.98	245.37
1973	245.72	246.30	246.69	247.73	247.99	247.93	247.31	246.51	245.62	244.91	244.40	244.41	246.29
1974	245.06	245.65	245.94	246.55	247.26	247.55	247.24	246.44	245.47	244.55	244.04	244.07	245.82
1975	244.16	244.62	245.08	245.60	245.93	245.92	245.53	245.02	244.73	244.61	244.27	244.18	244.97
1976	244.35	244.64	245.83	246.82	247.37	247.38	246.99	246.32	245.58	245.04	244.49	244.09	245.74
1977	243.93	243.77	244.33	245.11	245.19	244.99	245.07	245.07	245.01	245.07	244.80	245.15	244.79
1978	245.88	246.01	245.56	246.35	246.68	246.37	245.77	245.25	244.74	244.21	243.74	243.69	245.35
1979	244.22	244.43	244.83	245.74	246.14	246.02	245.66	245.30	245.11	244.77	244.32	244.26	245.07

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 2076 : Olcott, New York on Lake Ontario

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1980	244.31	244.34	244.35	245.62	246.08	246.05	245.98	245.78	245.19	244.45	244.14	244.11	245.03
1981	243.99	243.98	244.75	244.76	245.11	245.46	245.62	245.57	245.39	244.92	244.84	244.48	244.91
1982	244.27	244.29	244.37	245.34	245.64	245.85	245.70	245.12	244.64	244.26	244.06	244.10	244.80
1983	244.46	244.86	244.88	245.21	246.12	246.19	245.63	245.36	244.89	244.41	244.06	244.37	245.04
1984	244.72	244.84	245.31	246.02	246.61	246.64	246.29	245.67	245.02	244.39	244.03	243.95	245.29
1985	244.45	244.37	245.17	245.91	246.18	246.16	245.93	245.37	244.96	244.42	244.47	244.89	245.19
1986													
1987													
1988													
1989													
1990													
1991													
1992													
1993													
1994													
1995													
1996													
1997													
1998													
1999													
2000													
2001													
2002													
2003													
2004													
2005													
2006													
2007													
2008													
2009													

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

SUMMARY OF AVERAGE AND EXTREME LEVELS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 2076 : Olcott, New York on Lake Ontario

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
MONTHLY AVERAGE FOR PERIOD 1967 THRU 1985													
	244.45	244.62	244.91	245.63	246.10	246.19	246.01	245.59	245.09	244.59	244.27	244.29	245.14
MONTHLY AVERAGE FOR PERIOD 1976 THRU 1985													
	244.46	244.55	244.94	245.69	246.11	246.11	245.86	245.48	245.05	244.59	244.30	244.31	245.12
HIGHEST MONTHLY AVERAGE FOR PERIOD 1967 THRU 1985													
LEVEL	245.88	246.30	246.69	247.73	247.99	247.93	247.31	246.51	245.63	245.27	245.16	245.15	246.29
YEAR	1978	1973	1973	1973	1973	1973	1973	1973	1972	1967	1967	1977	1973
LOWEST MONTHLY AVERAGE FOR PERIOD 1967 THRU 1985													
LEVEL	243.68	243.73	243.81	244.57	245.11	244.99	245.07	244.98	244.54	243.93	243.74	243.69	244.56
YEAR	1970	1970	1970	1970	1981	1977	1977	1971	1969	1969	1978	1978	1970
HIGHEST MONTHLY AVERAGE FOR PERIOD 1967 THRU 1985 .....247.99      MAY      1973													
LOWEST MONTHLY AVERAGE FOR PERIOD 1967 THRU 1985 .....243.68      JAN      1970													

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 3007 : Ashland Ave., Niagara Falls, New York on the Niagara River

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1950													
1951													
1952													
1953													
1954													
1955													
1956													
1957						333.16	333.62	332.28	331.86	330.39	331.19	331.17	331.95
1958	330.65	328.54	328.94	329.39	329.48	329.55	329.86	330.07	329.85	329.03	329.13	328.11	329.38
1959	327.01	327.75	329.61	330.73	331.59	331.57	330.24	329.32	328.61	329.23	329.98	329.89	329.63
1960	331.37	330.94	330.05	331.60	333.32	333.92	333.51	332.59	332.41	331.80	332.33	331.41	332.10
1961	329.09	328.20	328.73	329.94	331.43	330.00	327.68	326.73	325.64	323.89	319.32	319.17	326.65
1962	319.14	317.76	317.93	322.33	322.07	321.80	321.84	321.78	321.43	320.99	316.30	317.40	320.06
1963	317.90	316.49	316.88	321.70	321.72	321.66	321.65	321.65	321.22	320.90	316.20	316.30	319.52
1964	318.06	316.18	316.42	321.79	321.87	321.69	321.63	321.64	321.24	320.81	315.67	315.44	319.37
1965	315.68	315.98	315.60	321.62	321.75	321.56	321.50	321.48	321.03	320.65	315.83	315.43	319.01
1966	315.75	315.61	315.74	321.65	321.67	321.61	321.52	321.50	321.05	320.62	315.96	316.31	319.08
1967	316.00	316.77	315.74	321.64	321.63	321.50	321.52	321.47	321.04	320.78	316.72	316.73	319.30
1968	317.01	319.39	316.84	321.98	322.13	322.13	322.01	321.92	321.41	321.09	317.99	318.77	320.22
1969	318.20	318.35	318.10	322.55	324.36	324.80	322.82	322.55	321.68	321.47	318.94	319.01	321.07
1970	318.12	317.18	317.36	322.22	322.22	322.03	322.05	321.93	321.64	321.08	319.05	319.74	320.38
1971	320.00	318.85	319.72	322.19	322.35	322.94	322.11	322.17	321.61	321.26	318.38	319.02	320.88
1972	319.90	318.70	319.89	322.96	324.03	324.30	324.34	323.83	323.39	323.73	322.91	324.31	322.69
1973	325.09	323.05	323.56	326.88	326.69	326.89	326.65	325.85	324.46	323.58	322.10	321.59	324.70
1974	321.98	322.25	323.68	327.64	326.98	326.33	325.42	323.71	322.66	321.94	319.79	320.92	323.61
1975	321.97	322.48	322.00	324.74	324.82	325.28	324.01	323.52	324.35	323.04	321.12	320.60	323.16
1976	321.14	320.95	323.61	326.13	325.63	324.73	324.55	323.70	323.24	322.57	320.22	318.24	322.89
1977	318.97	317.36	317.73	322.30	323.42	322.72	322.09	321.99	322.53	321.86	318.66	320.40	320.84
1978	319.68	316.93	317.70	322.94	323.39	323.66	322.11	321.96	321.36	320.99	316.63	317.83	320.43
1979	318.44	317.45	317.80	323.04	323.36	323.60	322.56	322.90	322.63	322.51	319.49	320.16	321.16



U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 3007 : Ashland Ave., Niagara Falls, New York on the Niagara River

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1980	320.71	318.95	320.21	324.73	324.62	324.84	323.57	324.45	324.21	323.07	318.38	318.69	322.20
1981	316.92	317.79	318.03	322.07	322.35	323.23	322.33	323.98	322.86	322.54	319.71	319.64	320.95
1982	318.52	318.15	319.73	323.82	323.46	324.06	322.32	322.19	321.39	321.10	318.33	319.67	321.06
1983	319.64	318.18	318.65	322.63	324.28	323.08	323.77	324.53	322.97	321.87	320.07	322.28	321.83
1984	318.61	318.89	320.83	323.59	323.58	323.61	323.17	323.22	322.78	321.63	319.44	319.37	321.56
1985	321.22	317.96	321.68	326.81	325.97	325.60	323.90	323.60	322.89	322.05	321.90	325.00	323.22
1986													
1987													
1988													
1989													
1990													
1991													
1992													
1993													
1994													
1995													
1996													
1997													
1998													
1999													
2000													
2001													
2002													
2003													
2004													
2005													
2006													
2007													
2008													
2009													

Station 3007 : Ashland Ave., Niagara Falls, New York on the Niagara River

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
MONTHLY AVERAGE FOR PERIOD 1957 THRU 1985													
	320.60	319.90	320.46	324.34	324.65	324.89	324.29	324.09	323.57	322.98	320.40	320.78	322.58
MONTHLY AVERAGE FOR PERIOD 1976 THRU 1985													
	319.38	318.26	319.60	323.81	324.01	323.91	323.04	323.25	322.69	322.02	319.28	320.13	321.62
HIGHEST MONTHLY AVERAGE FOR PERIOD 1957 THRU 1985													
LEVEL	331.37	330.94	330.05	331.60	333.32	333.92	333.62	332.59	332.41	331.80	332.33	331.41	332.10
YEAR	1960	1960	1960	1960	1960	1960	1957	1960	1960	1960	1960	1960	1960
LOWEST MONTHLY AVERAGE FOR PERIOD 1957 THRU 1985													
LEVEL	315.68	315.61	315.60	321.62	321.63	321.50	321.50	321.47	321.03	320.62	315.67	315.43	319.01
YEAR	1965	1966	1965	1965	1967	1967	1965	1967	1965	1966	1964	1965	1965
HIGHEST MONTHLY AVERAGE FOR PERIOD 1957 THRU 1985 .....333.92 JUN 1960													
LOWEST MONTHLY AVERAGE FOR PERIOD 1957 THRU 1985 .....315.43 DEC 1965													

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

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1950													
1951													
1952													
1953													
1954													
1955													
1956													
1957													
1958													
1959													
1960													
1961													
1962													
1963													
1964													
1965													
1966													
1967													
1968													
1969													
1970													
1971													
1972													
1973													
1974													
1975													
1976						558.63	558.65	558.54	558.55	558.50	558.36	558.29	558.50
1977	557.83	558.34	558.59	558.60	558.73	558.71	558.81	558.74	558.85	558.73	558.74	558.85	558.63
1978	558.21	557.88	558.42	558.43	558.40	558.56	558.59	558.58	558.58	558.50	558.61	558.66	558.45
1979	558.46	558.09	558.58	558.19	558.53	558.62	558.68	558.64	558.65	558.74	558.85	558.81	558.57

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

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

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1980	558.84	558.67	558.63	558.51	558.53	558.59	558.72	558.59	558.69	558.70	558.70	558.65	558.65
1981	558.36	558.53	558.71	558.66	558.73	558.80	558.70	558.69	558.70	558.67	558.46	558.60	558.63
1982	558.32	558.39	558.59	558.50	558.59	558.61	558.50	558.66	558.70	558.72	558.65	558.72	558.58
1983	558.53	558.43	558.42	558.46	558.43	558.53	558.79	558.67	558.63	558.72	558.82	559.17	558.63
1984	558.46	558.44	558.75	558.74	558.82	559.04	558.88	558.64	558.58	558.47	558.81	558.81	558.70
1985	558.63	557.86	558.55	558.41	558.63	558.60	558.67	558.38	558.49	558.63	559.07	559.15	558.59
1986													
1987													
1988													
1989													
1990													
1991													
1992													
1993													
1994													
1995													
1996													
1997													
1998													
1999													
2000													
2001													
2002													
2003													
2004													
2005													
2006													
2007													
2008													
2009													

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

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
MONTHLY AVERAGE FOR PERIOD 1976 THRU 1985													
	558.40	558.29	558.58	558.50	558.60	558.67	558.70	558.61	558.64	558.64	558.71	558.77	558.59
MONTHLY AVERAGE FOR PERIOD 1976 THRU 1985													
	558.40	558.29	558.58	558.50	558.60	558.67	558.70	558.61	558.64	558.64	558.71	558.77	558.59
HIGHEST MONTHLY AVERAGE FOR PERIOD 1976 THRU 1985													
LEVEL	558.84	558.67	558.75	558.74	558.82	559.04	558.88	558.74	558.85	558.74	559.07	559.17	558.70
YEAR	1980	1980	1984	1984	1984	1984	1984	1977	1977	1979	1985	1983	1984
LOWEST MONTHLY AVERAGE FOR PERIOD 1976 THRU 1985													
LEVEL	557.83	557.86	558.42	558.19	558.40	558.53	558.50	558.38	558.49	558.47	558.36	558.29	558.45
YEAR	1977	1985	1983	1979	1978	1983	1982	1985	1985	1984	1976	1976	1978
HIGHEST MONTHLY AVERAGE FOR PERIOD 1976 THRU 1985 .....559.17    DEC    1983													
LOWEST MONTHLY AVERAGE FOR PERIOD 1976 THRU 1985 .....557.83    JAN    1977													

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 3010 : American Falls, Niagara Falls, New York on the Niagara River

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1950													
1951													
1952													
1953													
1954													
1955					556.76	556.79	556.83	556.75	556.64	556.73	556.53	556.25	556.66
1956	555.70	555.66	555.86	556.28	556.79	557.18	557.08	557.05	556.92	556.65	556.63	556.50	556.52
1957	556.47	556.20	556.23	556.65	556.70	556.98	557.15	556.58	556.38	556.13	556.47	556.08	556.50
1958	556.21	555.67	556.05	555.99	556.14	556.47	556.56	556.46	556.31	556.15	556.16	555.89	556.17
1959	555.91	555.91	556.08	556.10	556.42	556.59	556.41	556.26	556.04	556.10	556.03	556.03	556.16
1960	556.19	555.85	555.53	555.61	556.02	556.43	556.29	556.03	555.85	555.80	555.72	555.10	555.87
1961	554.83	555.34	555.47	555.77	556.17	556.40	556.31	556.32	556.19	556.05	555.82	555.86	555.88
1962	555.95	555.59	555.68	555.69	555.82	555.96	555.96	556.00	555.86	555.99	555.80	555.77	555.84
1963	555.31	555.21	555.33	555.45	555.67	555.64	556.10	555.98	555.83	555.62	555.40	555.62	555.60
1964	555.44	555.05	555.02	555.23	555.52	555.66	555.57	555.45	555.34	555.27	555.22	555.19	555.33
1965	555.08	554.94	555.34	555.11	555.30	555.53	555.55	555.43	555.31	555.37	555.44	555.50	555.32
1966	555.32	555.33	555.52	555.34	555.68	555.99	555.99	555.86	555.73	555.62	555.54	555.71	555.64
1967	555.62	555.36	555.33	555.52	555.67	555.81	555.96	555.96	555.96	555.79	555.64	555.61	555.69
1968	555.33	555.69	555.62	555.66	555.69	555.89	555.96	555.94	555.90	555.84	555.66	555.76	555.74
1969	555.46	555.56	555.59	555.51	555.97	555.68					554.66	554.97	555.42
1970	554.75	554.93	555.06	554.89	555.14	555.12	555.28	555.78	555.69	555.70	555.50	555.36	555.27
1971	555.22	555.21	555.27	555.07	555.30	555.48	555.87	555.80	555.75	555.74	555.65	555.59	555.50
1972	555.51	555.11	555.17	555.12	555.43	555.50	555.75	556.02	556.11	556.05	555.94	555.90	555.63
1973	555.55	555.26	555.23	555.24	555.25	555.46	555.70	555.86	555.64	555.56	555.58	555.48	555.48
1974	555.35	555.28	555.39	555.32	555.34	555.48	555.54	555.46	555.46	555.43	555.41	555.46	555.41
1975	555.46	555.22	555.13	555.19	555.23	555.34	555.41	555.41	555.47	555.51	555.58	555.36	555.36
1976	555.27	555.28	555.58	555.72	555.65	Station Relocated							555.50
1977													555.50
1978													
1979													

Station 3010 : American Falls, Niagara Falls, New York on the Niagara River

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
MONTHLY AVERAGE FOR PERIOD 1955 THRU 1976													
	555.52	555.41	555.50	555.55	555.80	555.97	556.06	556.02	555.92	555.86	555.73	555.67	555.75
MONTHLY AVERAGE FOR PERIOD 1967 THRU 1976													
	555.35	555.29	555.34	555.32	555.47	555.53	555.68	555.78	555.75	555.70	555.51	555.50	555.52
HIGHEST MONTHLY AVERAGE FOR PERIOD 1955 THRU 1976													
LEVEL	556.47	556.20	556.23	556.65	556.79	557.18	557.15	557.05	556.92	556.73	556.63	556.50	556.66
YEAR	1957	1957	1957	1957	1956	1956	1957	1956	1956	1955	1956	1956	1955
LOWEST MONTHLY AVERAGE FOR PERIOD 1955 THRU 1976													
LEVEL	554.75	554.93	555.02	554.89	555.14	555.12	555.28	555.41	555.31	555.27	554.66	554.97	555.27
YEAR	1970	1970	1964	1970	1970	1970	1970	1975	1965	1964	1969	1969	1970

HIGHEST MONTHLY AVERAGE FOR PERIOD 1955 THRU 1976 ....557.18 JUN 1956

LOWEST MONTHLY AVERAGE FOR PERIOD 1955 THRU 1976 .....554.66 NOV 1969

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

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

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1950													
1951													
1952													
1953													
1954													
1955													
1956													
1957													
1958													
1959													
1960													
1961													
1962													
1963	560.72	560.34	560.47	561.22	561.30	561.40	561.78	561.52	561.37	561.14	561.16	561.19	561.18
1964	560.87	560.42	560.25	560.62	561.01	561.09	560.93	560.63	560.46	560.28	560.08	560.01	560.55
1965	560.05	560.10	560.47	560.67	561.00	561.05	560.83	560.73	560.59	560.70	560.60	560.68	560.62
1966	560.62	560.67	560.78	561.15	561.32	561.63	561.53	561.35	561.11	560.97	560.71	561.03	561.07
1967	560.99	560.84	560.75	561.19	561.43	561.53	561.61	561.53	561.29	561.22	561.23	561.17	561.23
1968	561.00	561.40	561.18	561.53	561.53	561.78	561.76	561.75	561.53	561.47	561.16	561.38	561.46
1969	561.36	561.29	561.34	561.70	562.06	562.31	562.32	562.37	562.00	561.82	561.53	561.37	561.79
1970	561.30	561.06	561.07	561.47	561.63	561.70	561.92	561.83	561.62	561.52	561.40	561.45	561.50
1971	561.66	561.25	561.51	561.76	561.76	561.89	561.94	561.84	561.63	561.53	561.34	561.38	561.62
1972	561.65	561.33	561.53	561.83	562.15	562.21	562.39	562.29	562.25	562.19	562.16	562.45	562.04
1973	562.58	562.21	561.85	561.83	561.77	561.89	561.80	561.80	561.55	561.46	561.62	561.47	561.82
1974	561.68	561.84	561.94	561.95	561.78	561.68	561.62	561.48	561.51	561.35	561.26	561.44	561.63
1975	561.55	561.58	561.81	561.50	561.29	561.58	561.44	561.45	561.50	561.36	561.44	561.09	561.47
1976	561.78	561.63	562.14	561.84	561.66	561.49	561.54	561.43	561.38	561.28	560.95	561.14	561.52
1977	561.47	561.33	561.25	561.57	561.54	561.48	561.59	561.59	561.66	561.51	561.33	561.56	561.49
1978	561.48	561.31	561.15	561.44	561.49	561.37	561.38	561.41	561.33	561.20	561.14	561.24	561.33
1979	561.27	560.77	561.12	561.42	561.26	561.36	561.48	561.47	561.40	561.44	561.43	561.45	561.32



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

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1980	561.58	561.27	561.22	561.43	561.37	561.45	561.43	561.49	561.55	561.49	561.26	561.27	561.40
1981	561.13	561.18	561.32	561.55	561.53	561.63	561.54	561.60	561.56	561.50	561.11	561.33	561.42
1982	561.33	561.35	561.27	561.70	561.40	561.48	561.55	561.49	561.40	561.39	561.17	561.37	561.41
1983	561.23	561.08	561.09	561.44	561.59	561.65	561.68	561.64	561.48	561.50	561.48	561.95	561.48
1984	561.37	561.07	561.57	561.64	561.71	562.01	561.76	561.55	561.47	561.28	561.46	561.49	561.53
1985	561.56	560.25	561.78	561.75	561.57	561.62	561.48	561.29	561.32	561.40	561.87	562.24	561.51
1986													
1987													
1988													
1989													
1990													
1991													
1992													
1993													
1994													
1995													
1996													
1997													
1998													
1999													
2000													
2001													
2002													
2003													
2004													
2005													
2006													
2007													
2008													
2009													

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

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
MONTHLY AVERAGE FOR PERIOD 1962 THRU 1985													
	561.31	561.11	561.25	561.49	561.53	561.62	561.62	561.54	561.43	561.35	561.24	561.33	561.40
MONTHLY AVERAGE FOR PERIOD 1976 THRU 1985													
	561.42	561.12	561.39	561.58	561.51	561.55	561.54	561.50	561.46	561.40	561.32	561.50	561.44
HIGHEST MONTHLY AVERAGE FOR PERIOD 1962 THRU 1985													
LEVEL	562.58	562.21	562.14	561.95	562.15	562.31	562.39	562.37	562.25	562.19	562.16	562.45	562.04
YEAR	1973	1973	1976	1974	1972	1969	1972	1969	1972	1972	1972	1972	1972
LOWEST MONTHLY AVERAGE FOR PERIOD 1962 THRU 1985													
LEVEL	560.05	560.10	560.25	560.62	561.00	561.05	560.83	560.63	560.46	560.28	560.08	560.01	560.55
YEAR	1965	1965	1964	1964	1965	1965	1965	1964	1964	1964	1964	1964	1964
HIGHEST MONTHLY AVERAGE FOR PERIOD 1962 THRU 1985 .....562.58 JAN 1973													
LOWEST MONTHLY AVERAGE FOR PERIOD 1962 THRU 1985 .....560.01 DEC 1964													

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 3117 : Ontario Street, Buffalo, New York on the Niagara River

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1950													
1951													
1952													
1953													
1954													
1955													
1956													
1957													
1958													
1959													
1960													
1961													
1962													
1963													
1964													
1965													
1966													
1967													
1968													
1969							566.04	566.10	565.68	565.39	565.12	564.92	565.54
1970	564.92	564.56	564.51	564.92	565.20	565.27	565.43	565.36	565.17	564.96	565.00	564.99	565.02
1971	565.28	564.84	565.15	565.27	565.29	565.52	565.43	565.34	565.16	565.03	564.84	564.92	565.17
1972	565.24	565.06	565.20	565.44	565.81	565.91	566.08	566.03	565.86	565.81	565.84	566.18	565.70
1973	566.41	565.96	566.04	566.35	566.34	566.50	566.41	566.23	565.85	565.54	565.59	565.42	566.05
1974	565.62	565.78	566.12	566.36	566.36	566.17	566.18	565.98	565.76	565.40	565.36	565.44	565.88
1975	565.63	565.89	566.17	565.90	565.76	565.96	565.92	565.81	565.87	565.61	565.52	565.25	565.77
1976	565.84	565.55	566.26	566.25	566.20	565.97	566.05	565.85	565.65	565.40	565.15	565.01	565.76
1977	565.08	564.53	564.87	565.20	565.43	565.33	565.29	565.37	565.34	565.22	565.02	565.37	565.17
1978	565.97	565.24	565.00	565.54	565.68	565.59	565.38	565.34	565.03	564.88	564.66	564.85	565.26
1979	565.23	564.30	564.72	565.48	565.33	565.48	565.49	565.58	565.42	565.43	565.27	565.34	565.26

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 3117 : Ontario Street, Buffalo, New York on the Niagara River

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1980	565.56	565.25	565.22	565.67	565.67	565.75	565.69	565.85	565.77	565.51	565.10	565.05	565.51
1981	564.82	564.70	564.98	565.07	565.34	565.58	565.55	565.64	565.55	565.40	565.15	565.15	565.24
1982	565.62	565.15	565.25	565.85	565.57	565.57	Station Closed						565.50
1983													
1984													
1985													
1986													
1987													
1988													
1989													
1990													
1991													
1992													
1993													
1994													
1995													
1996													
1997													
1998													
1999													
2000													
2001													
2002													
2003													
2004													
2005													
2006													
2007													
2008													
2009													

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

SUMMARY OF AVERAGE AND EXTREME LEVELS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 3117 : Ontario Street, Buffalo, New York on the Niagara River

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
MONTHLY AVERAGE FOR PERIOD 1969 THRU 1982													
	565.48	565.14	565.35	565.64	565.69	565.74	565.76	565.73	565.55	565.35	565.20	565.22	565.49
MONTHLY AVERAGE FOR PERIOD 1973 THRU 1982													
	565.58	565.24	565.46	565.77	565.77	565.79	565.77	565.74	565.58	565.38	565.20	565.21	565.54
HIGHEST MONTHLY AVERAGE FOR PERIOD 1969 THRU 1982													
LEVEL	566.41	565.96	566.26	566.36	566.36	566.50	566.41	566.23	565.87	565.81	565.84	566.18	566.05
YEAR	1973	1973	1976	1974	1974	1973	1973	1973	1975	1972	1972	1972	1973
LOWEST MONTHLY AVERAGE FOR PERIOD 1969 THRU 1982													
LEVEL	564.82	564.30	564.51	564.92	565.20	565.27	565.29	565.34	565.03	564.88	564.66	564.85	565.02
YEAR	1981	1979	1970	1970	1970	1970	1977	1978	1978	1978	1978	1978	1970

HIGHEST MONTHLY AVERAGE FOR PERIOD 1969 THRU 1982 .....566.50 JUN 1973

LOWEST MONTHLY AVERAGE FOR PERIOD 1969 THRU 1982 .....564.30 FEB 1979

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 3017 : Black Rock Canal, Buffalo, New York on the Niagara River

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1920													
1921													
1922													
1923													
1924													
1925													
1926													
1927													
1928													
1929													
1930													
1931													
1932					564.98		564.96	564.74	564.43	564.18	563.96	564.07	564.47
1933	564.24	564.45	564.23	564.97	565.05	565.15	564.82	564.59	564.31	564.05	563.78	563.60	564.44
1934	563.64	563.31	562.90	563.43	563.58	563.60	563.53	563.59	563.48	563.40	563.07	563.15	563.39
1935	563.29	562.97	563.05	563.30	563.68	563.93	563.98	564.11	563.84	563.58	563.35	563.38	563.54
1936	563.51	564.40	563.97	564.02	564.08	564.22	564.16	563.92	563.74	563.86	563.87	563.43	563.93
1937	564.09	564.75	564.58	564.54	565.14	565.33	565.64	565.35	564.92	564.53	564.37	564.09	564.78
1938	564.16	564.09	564.51	565.00	565.10	565.21	565.22	565.42	564.97	564.67	564.62	564.55	564.79
1939	564.23	564.34	564.58	564.76	565.26	565.30	565.26	565.32	564.90	564.76	564.36	564.50	564.80
1940	564.63	563.83	563.91	564.46	564.79	565.24	565.13	564.90	564.98	564.64	564.72	564.63	564.66
1941	564.92	564.74	564.33	564.30	564.45	564.50	564.50	564.45	564.28	564.08	564.24	563.93	564.39
1942	564.04	563.83	563.96	564.67	565.05	565.38	565.41	565.39	565.29	565.12	565.22	565.25	564.88
1943	565.42	565.27	565.16	565.35	566.13	566.86	566.83	566.74	566.37	565.93	565.94	566.00	566.00
1944	565.38	565.02	565.09	565.62	566.09	566.30	566.13	565.87	565.70	565.41	565.13	565.21	565.58
1945	565.50	564.73	565.16	565.83	566.03	566.40	566.45	566.36	566.05	566.48	566.04	565.93	565.91
1946	566.00	565.52	565.44	565.69	565.68	566.22	566.19	566.03	565.61	565.39	565.42	565.23	565.70
1947	565.19	565.51	565.10	565.25	566.47	567.07	566.94	566.56	566.43	565.86	565.80	565.75	565.99
1948	565.80	565.33	565.57	566.21	566.59	566.59	566.48	566.26	565.83	565.47	565.44	565.22	565.90
1949	565.35	565.54	565.41	565.49	565.54	565.59	565.41	565.22	565.16	564.74	564.57	564.45	565.21

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 3017 : Black Rock Canal, Buffalo, New York on the Niagara River

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1950	565.11	565.43	565.66	566.05	566.09	566.14	565.83	565.58	565.45	565.32	565.42	565.70	565.65
1951	565.65	565.58	566.07	566.49	566.59	566.66	566.54	566.28	566.05	565.82	565.90	566.11	566.14
1952	566.40	566.83	566.86	567.20	567.37	567.32	567.08	566.97	566.71	566.36	565.97	566.01	566.76
1953	565.94	566.22	566.21	566.39	566.49	566.74	566.65	566.47	566.25	565.73	565.64	565.92	566.22
1954	565.32	565.19	565.93	566.26	566.62	566.62	566.29	566.27	566.10	566.39	566.44	566.28	566.14
1955	566.55	566.04	567.00	566.69	566.76	566.61	566.32	566.21	565.85	565.93	565.87	565.40	566.27
1956	564.79	564.50	564.95	565.53	566.21	566.48	566.31	566.38	566.17	565.52	565.53	565.25	565.64
1957	565.28	564.81	564.92	565.64	565.77	566.02	566.20	565.64	565.46	564.94	565.25	565.01	565.41
1958	565.06	564.65	564.44	564.51	564.71	564.91	565.05	565.13	564.90	564.62	564.61	564.31	564.74
1959	564.36	564.35	564.67	564.98	565.39	565.49	565.10	564.91	564.56	564.68	564.84	564.80	564.84
1960	565.30	565.36	565.00	565.38	565.76	566.19	566.05	565.83	565.66	565.38	565.37	565.11	565.53
1961	564.98	564.64	565.08	565.71	566.33	566.29	565.97	565.84	565.65	565.25	564.80	564.91	565.45
1962	565.51	565.16	564.69	565.02	565.07	565.00	565.04	564.89	564.70	564.75	564.37	564.66	564.90
1963	565.05	565.00	564.23	564.61	564.82	564.86	564.87	564.68	564.28	564.01	564.02	563.92	564.53
1964	565.46	564.01	563.77	564.07	564.52	564.46	564.24	564.09	563.86	563.63	563.37	563.23	564.06
1965	563.47	563.66	563.99	564.10	564.54	564.56	564.37	564.26	564.13	564.29	564.22	564.16	564.15
1966	564.38	564.32	564.54	564.68	565.12	565.24	565.21	565.06	564.76	564.50	564.32	564.79	564.74
1967	564.76	564.72	564.51	565.08	565.35	565.37	565.51	565.38	565.03	565.06	565.15	565.11	565.09
1968	565.17	565.61	565.34	565.56	565.55	565.78	565.88	565.82	565.58	565.38	565.06	565.44	565.51
1969	565.56	565.50	565.45	565.74	566.40	566.57	566.57	566.55	566.08	565.82	565.56	565.38	565.93
1970	565.33	564.98	564.98	565.39	565.69	565.76	565.94	565.82	565.65	565.41	565.45	565.44	565.49
1971	565.75	565.30	565.59	565.72	565.79	566.01	565.92	565.77	565.62	565.50	565.33	565.36	565.64
1972	565.72	565.42	565.55	565.86	566.26	566.39	566.57	566.47	566.29	566.19		566.64	566.12
1973	566.86	566.40	566.50	566.92	566.89	567.07	566.96	566.74	566.38	566.07	566.10	565.97	566.57
1974	566.12	566.29	566.55	566.88	566.93	566.85	566.76	566.49	566.30	565.91	565.81	565.82	566.39
1975	566.10	566.26	566.41	566.30	566.21	566.43	566.42	566.30	566.37	566.06	Station Closed		566.29
1976													
1977													
1978													
1979													

Station 3017 : Black Rock Canal, Buffalo, New York on the Niagara River

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
MONTHLY AVERAGE FOR PERIOD 1932 THRU 1975													
	565.10	564.97	565.02	565.34	565.61	565.78	565.70	565.56	565.32	565.11	564.96	564.96	565.29
MONTHLY AVERAGE FOR PERIOD 1966 THRU 1975													
	565.58	565.48	565.54	565.81	566.02	566.15	566.17	566.04	565.81	565.59	565.35	565.55	565.76
HIGHEST MONTHLY AVERAGE FOR PERIOD 1932 THRU 1975													
LEVEL	566.86	566.83	567.00	567.20	567.37	567.32	567.08	566.97	566.71	566.48	566.44	566.64	566.76
YEAR	1973	1952	1955	1952	1952	1952	1952	1952	1952	1945	1954	1972	1952
LOWEST MONTHLY AVERAGE FOR PERIOD 1932 THRU 1975													
LEVEL	563.29	562.97	562.90	563.30	563.58	563.60	563.53	563.59	563.48	563.40	563.07	563.15	563.39
YEAR	1935	1935	1934	1935	1934	1934	1934	1934	1934	1934	1934	1934	1934

HIGHEST MONTHLY AVERAGE FOR PERIOD 1932 THRU 1975 .....567.37      MAY      1952

LOWEST MONTHLY AVERAGE FOR PERIOD 1932 THRU 1975 .....562.90      MAR      1934



U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

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

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1860				572.20	572.60	572.56	572.49	572.39	572.02	571.66	572.19		572.26
1861					572.61	572.62	572.53	572.35	572.36	572.35	572.25	572.14	572.40
1862					572.77	572.73	572.88	572.57	572.34	572.01			572.55
1863					572.09	572.22	572.02	572.05	571.64	571.29	571.36	571.22	571.74
1864					572.08	572.04	571.75	571.63	571.39	571.18	571.20		571.61
1865					571.30	571.48	571.47	571.30	571.21	571.06	570.85		571.24
1866						571.54	571.60	571.45	571.24	571.28	571.22		571.39
1867						572.02	571.88	571.49	571.10	570.86	570.89		571.37
1868						571.76	571.69	571.40	571.13	570.77	570.66		571.24
1869					571.14	571.51	571.94	571.88	571.50	571.53			571.58
1870													
1871													
1872													
1873													
1874													
1875													
1876													
1877													
1878													
1879													
1880													
1881													
1882													
1883													
1884													
1885													
1886													
1887			571.97	571.99	572.14	572.28	572.12	571.73	571.41	571.47	570.97	570.97	571.70
1888	570.88	570.29	570.35	571.01	571.15	571.33	571.54	571.44	571.09	570.90	570.75	571.05	570.98
1889	570.86	570.67	570.25	570.64	570.80	571.27	571.31	571.22	570.85	570.33	570.33	570.62	570.76

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

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

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1890	571.23	571.05	571.27	571.54	571.90	572.23	571.94	571.47	571.12	571.10	571.33	571.04	571.44
1891	570.74	570.66	570.80	570.92	570.73	570.69	570.85	570.57	570.37	570.03	569.97	570.00	570.53
1892	569.90	569.22	569.42	569.93	570.69	571.50	571.71	571.34	571.08	570.72	570.43	570.33	570.52
1893	569.58	569.51	569.82	570.48	571.21	571.56	571.44	570.83	570.60	570.50	570.45	570.42	570.53
1894	570.43	570.08	570.15	570.35	570.77	571.29	571.11	570.62	570.46	570.46	570.30	570.07	570.51
1895	570.00	569.28	569.18	569.41	569.76	569.86	569.83	569.69	569.72	569.49	568.99	569.33	569.54
1896	569.40	569.24	568.98	569.49	569.94	569.97	570.13	570.36	569.94	569.67	569.72	569.50	569.70
1897	569.85	569.42	569.93	570.44	570.87	570.86	570.83	570.72	570.36	569.91	569.95	569.92	570.26
1898	569.98	569.94	570.32	570.92	571.05	571.11	570.87	570.81	570.45	570.35	570.35	570.40	570.55
1899	570.42	569.76	570.13	570.31	570.60	570.79	570.74	570.36	570.17	569.75	569.82	570.22	570.26
1900	570.03	569.91	570.09	570.43	570.60	570.68	570.70	570.58	570.35	569.95	570.12	570.06	570.29
1901	570.02	569.23	569.11	569.32	569.43	569.96	570.15	569.97	570.02	569.80	569.66	569.64	569.69
1902	569.68	569.06	569.22	569.82	570.03	570.31	571.01	570.91	570.57	570.67	570.41	570.30	570.17
1903	570.32	569.98	570.40	571.10	571.15	571.22	571.25	570.91	570.84	570.64	570.30	570.29	570.70
1904	569.33	569.57	570.13	571.16	571.50	571.76	571.68	571.39	571.11	570.88	570.58	570.40	570.79
1905	570.01	569.50	569.59	570.06	570.65	571.24	571.55	571.33	571.13	570.94	570.53	570.68	570.60
1906	570.63	570.19	569.96	570.36	570.57	570.79	570.86	570.81	570.57	570.55	570.62	570.75	570.56
1907	571.25	570.74	570.49	570.89	571.11	571.45	571.59	571.29	571.07	571.06	570.98	570.89	571.07
1908	571.13	570.58	570.81	571.44	571.69	571.72	571.52	571.32	570.92	570.44	570.46	570.23	571.02
1909	569.77	569.84	570.01	570.29	571.10	571.34	571.32	570.95	570.57	570.32	569.91	570.32	570.48
1910	569.61	569.30	569.81	570.18	570.82	570.80	570.64	570.42	570.08	570.20	569.95	569.77	570.13
1911	569.50	569.17	569.30	569.57	570.06	570.10	570.10	569.78	569.54	569.67	570.09	569.87	569.73
1912	569.80	569.20	569.21	570.32	570.72	570.76	570.67	570.71	570.69	570.46	570.60	570.46	570.30
1913	570.61	570.87	570.63	571.97	572.00	571.91	571.77	571.29	570.73	570.52	570.66	570.58	571.13
1914	570.34	570.06	569.59	570.34	570.97	571.13	570.94	570.68	570.47	570.18	570.19	569.73	570.38
1915	569.31	569.34	569.54	569.42	569.72	569.93	570.23	570.47	570.37	570.29	570.19	569.83	569.89
1916	570.34	570.34	569.97	570.61	571.08	571.40	571.34	571.00	570.67	570.38	570.15	570.11	570.62
1917	569.96	569.56	569.82	570.59	571.12	571.66	572.01	571.73	571.35	571.28	571.18	570.99	570.94
1918	570.24	569.83	570.35	570.19	570.34	570.63	570.77	570.65	570.74	570.50	570.69	570.36	570.44
1919	570.82	570.49	570.57	571.12	571.69	571.79	571.55	571.39	571.02	570.66	570.73	570.36	571.02

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

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

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1920	569.53	568.91	569.06	569.68	570.35	570.61	570.83	570.66	570.51	570.40	570.29	570.60	570.12
1921	570.31	570.04	570.21	570.81	571.08	571.02	570.99	570.62	570.44	570.09	569.80	570.37	570.48
1922	569.92	569.35	569.38	570.62	570.79	570.97	570.85	570.58	570.33	570.12	569.88	569.47	570.19
1923	569.35	569.04	569.23	569.61	569.92	570.22	570.04	569.87	569.57	569.37	569.21	569.62	569.59
1924	570.16	569.30	569.27	569.78	570.29	570.44	570.65	570.33	570.07	569.85	569.74	569.55	569.95
1925	568.72	568.63	569.06	569.25	569.42	569.37	569.29	569.14	569.02	568.97	569.06	569.15	569.09
1926	568.42	567.99	568.13	569.05	569.22	569.45	569.32	569.37	569.34	569.98	570.12	569.70	569.17
1927	569.32	569.01	569.18	569.64	570.04	570.30	570.29	570.09	569.81	569.53	569.45	570.26	569.74
1928	570.55	569.91	569.60	569.99	570.15	570.50	570.85	570.64	570.36	570.11	570.25	570.28	570.27
1929	570.58	570.09	570.67	571.62	572.41	572.35	572.28	571.90	571.43	571.12	571.44	571.13	571.42
1930	571.56	571.17	571.61	571.87	572.00	571.89	571.58	571.07	570.88	570.46	570.29	570.09	571.21
1931	569.83	569.21	568.86	569.30	569.58	569.72	569.88	569.61	569.44	569.23	569.14	569.09	569.41
1932	569.75	570.00	569.84	569.68	569.86	569.97	569.97	569.66	569.27	569.04	568.81	568.99	569.57
1933	569.14	569.22	569.02	569.66	570.10	570.19	569.87	569.47	569.15	568.88	568.65	568.43	569.32
1934	568.41	567.70	567.63	568.29	568.47	568.47	568.44	568.38	568.24	568.16	567.89	568.04	568.18
1935	567.95	567.60	567.80	568.19	568.56	568.87	568.99	568.97	568.65	568.40	568.26	568.28	568.38
1936	568.07	567.62	568.18	569.04	569.25	569.24	569.18	568.87	568.63	568.80	568.87	568.41	568.68
1937	569.12	569.72	569.47	569.62	570.27	570.48	570.86	570.42	569.96	569.54	569.45	569.09	569.83
1938	568.89	568.90	569.50	570.10	570.23	570.33	570.43	570.47	569.99	569.68	569.69	569.64	569.82
1939	569.17	569.15	569.46	570.01	570.42	570.49	570.43	570.34	569.89	569.78	569.43	569.56	569.84
1940	569.19	568.55	568.81	569.45	569.91	570.39	570.34	570.03	570.06	569.70	569.82	569.66	569.66
1941	569.85	569.57	569.23	569.32	569.54	569.67	569.71	569.52	569.31	569.07	569.31	569.00	569.42
1942	569.00	568.70	569.08	569.85	570.25	570.52	570.65	570.56	570.39	570.14	570.25	570.31	569.98
1943	570.25	570.16	570.19	570.54	571.40	572.15	572.12	571.95	571.51	570.98	571.06	571.02	571.11
1944	570.18	569.87	570.00	570.65	571.28	571.49	571.33	570.93	570.70	570.39	570.13	570.24	570.60
1945	569.92	569.50	570.05	570.90	571.18	571.57	571.74	571.52	571.15	571.57	571.17	571.03	570.94
1946	571.00	570.38	570.43	570.85	570.84	571.42	571.50	571.21	570.70	570.41	570.45	570.32	570.79
1947	570.08	570.07	569.87	570.67	571.81	572.37	572.21	571.79	571.63	571.01	571.02	570.91	571.12
1948	570.62	570.17	570.68	571.46	571.90	571.91	571.84	571.45	570.93	570.55	570.55	570.30	571.03
1949	570.41	570.61	570.49	570.65	570.67	570.69	570.57	570.27	570.16	569.70	569.58	569.46	570.27

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

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

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1950	570.18	570.51	570.62	571.20	571.33	571.30	571.01	570.74	570.53	570.35	570.46	570.80	570.75
1951	570.74	570.57	571.30	571.84	571.91	571.95	571.94	571.60	571.35	570.98	571.05	571.30	571.38
1952	571.61	572.06	572.15	572.62	572.66	572.63	572.52	572.17	571.99	571.57	571.12	571.19	572.02
1953	571.11	571.42	571.37	571.63	571.66	572.00	571.99	571.76	571.48	570.86	570.81	571.06	571.43
1954	570.37	570.20	570.99	571.45	571.83	571.80	571.62	571.40	571.16	571.41	571.51	571.42	571.26
1955	571.76	571.14	572.03	572.02	572.08	571.98	571.69	571.50	571.04	571.06	571.07	570.56	571.49
1956	569.88	569.51	569.99	570.61	571.36	571.57	571.51	571.52	571.22	570.56	570.55	570.22	570.71
1957	570.09	569.70	569.94	570.63	570.81	571.07	571.28	570.82	570.57	570.09	570.33	570.06	570.45
1958	570.04	569.46	569.31	569.53	569.72	569.94	570.12	570.16	569.94	569.61	569.59	569.25	569.72
1959	569.00	569.10	569.50	570.05	570.43	570.47	570.26	569.99	569.57	569.64	569.74	569.63	569.78
1960	570.17	570.17	569.93	570.54	570.90	571.25	571.33	571.15	570.90	570.60	570.60	570.24	570.65
1961	569.73	569.48	570.13	570.86	571.55	571.50	571.34	571.20	571.06	570.47	570.10	570.22	570.64
1962	570.01	569.47	569.73	570.23	570.27	570.30	570.37	570.13	569.94	569.96	569.60	569.99	570.00
1963	569.43	568.93	569.23	569.85	570.01	569.95	569.79	569.67	569.20	569.01	569.15	569.01	569.44
1964	568.72	568.59	568.85	569.32	569.74	569.65	569.53	569.33	569.08	568.73	568.66	568.43	569.05
1965	568.64	568.72	569.14	569.47	569.85	569.82	569.74	569.65	569.44	569.51	569.54	569.41	569.41
1966	569.80	569.45	569.83	569.98	570.46	570.55	570.51	570.38	570.01	569.68	569.58	570.20	570.04
1967	570.16	570.00	569.84	570.55	570.81	570.88	571.04	570.93	570.51	570.50	570.66	570.59	570.54
1968	570.57	571.05	570.78	571.18	571.09	571.34	571.47	571.34	571.04	570.78	570.52	570.95	571.01
1969	570.89	570.98	570.98	571.38	572.03	572.27	572.44	572.39	571.81	571.49	571.28	571.04	571.58
1970	570.76	570.46	570.57	571.08	571.39	571.52	571.67	571.45	571.19	570.96	571.13	571.09	571.11
1971	571.29	570.80	571.24	571.45	571.60	571.75	571.73	571.52	571.25	571.14	570.99	571.07	571.32
1972	571.40	570.98	571.28	571.62	572.08	572.20	572.41	572.25	572.06	572.05	572.15	572.56	571.92
1973	572.76	572.29	572.69	573.22	573.23	573.45	573.23	572.99	572.46	572.09	572.12	571.94	572.71
1974	572.12	572.27	572.80	573.21	573.26	573.20	573.05	572.71	572.32	571.86	571.88	571.92	572.55
1975	572.28	572.26	572.40	572.58	572.50	572.70	572.62	572.30	572.43	572.04	572.01	571.73	572.32
1976	571.87	571.76	572.72	572.74	572.88	572.73	572.85	572.52	572.22	571.88	571.67	571.21	572.25
1977	570.49	570.18	570.73	571.45	571.79	571.68	571.72	571.65	571.53	571.35	571.21	571.73	571.29
1978	571.60	571.07	571.16	572.08	572.22	572.26	571.92	571.65	571.18	571.11	570.86	571.10	571.52
1979	570.79	570.26	570.89	571.78	571.94	572.13	572.15	572.05	571.87	571.86	571.66	571.73	571.59

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

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

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1980	571.98	571.48	571.57	572.29	572.37	572.51	572.40	572.50	572.29	571.96	571.40	571.28	572.00
1981	570.70	570.69	571.20	571.33	571.72	572.12	572.15	571.98	571.92	571.73	571.64	571.49	571.56
1982	571.56	571.01	571.59	572.31	572.07	572.19	572.10	571.77	571.28	571.13	571.27	571.51	571.65
1983	571.62	571.29	571.35	571.83	572.41	572.36	572.56	572.42	572.07	571.59	571.68	572.29	571.96
1984	571.37	571.33	571.81	572.17	572.17	572.47	572.48	572.21	571.95	571.62	571.76	571.73	571.92
1985	572.24	571.71	572.64	573.41	573.16	573.10	572.93	572.56	572.33	571.99	572.35	573.36	572.65
1986													
1987													
1988													
1989													
1990													
1991													
1992													
1993													
1994													
1995													
1996													
1997													
1998													
1999													
2000													
2001													
2002													
2003													
2004													
2005													
2006													
2007													
2008													
2009													

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

SUMMARY OF AVERAGE AND EXTREME LEVELS  
 WATER LEVELS IN FEET, IGLD (1955)

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

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
MONTHLY AVERAGE FOR PERIOD 1860 THRU 1985													
	570.23	569.96	570.18	570.68	571.05	571.22	571.22	571.00	570.73	570.52	570.44	570.38	570.63
MONTHLY AVERAGE FOR PERIOD 1900 THRU 1985													
	570.23	569.97	570.17	570.68	570.99	571.14	571.14	570.93	570.66	570.44	570.38	570.36	570.59
MONTHLY AVERAGE FOR PERIOD 1976 THRU 1985													
	571.42	571.08	571.57	572.14	572.27	572.36	572.33	572.13	571.86	571.62	571.55	571.74	571.84
HIGHEST MONTHLY AVERAGE FOR PERIOD 1860 THRU 1985													
LEVEL	572.76	572.29	572.80	573.41	573.26	573.45	573.23	572.99	572.46	572.35	572.35	573.36	572.71
YEAR	1973	1973	1974	1985	1974	1973	1973	1973	1973	1861	1985	1985	1973
LOWEST MONTHLY AVERAGE FOR PERIOD 1860 THRU 1985													
LEVEL	567.95	567.60	567.63	568.19	568.47	568.47	568.44	568.38	568.24	568.16	567.89	568.04	568.18
YEAR	1935	1935	1934	1935	1934	1934	1934	1934	1934	1934	1934	1934	1934
HIGHEST MONTHLY AVERAGE FOR PERIOD 1860 THRU 1985 .....573.45 JUN 1973													
LOWEST MONTHLY AVERAGE FOR PERIOD 1860 THRU 1985 .....567.60 FEB 1935													

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 3028 : Sturgeon Point, New York on Lake Erie

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1950													
1951													
1952													
1953													
1954													
1955													
1956													
1957													
1958													
1959													
1960													
1961													
1962													
1963													
1964													
1965													
1966													
1967													
1968													
1969	570.90	570.98	570.98	571.39	572.02	572.27	572.44	572.39	571.81	571.49	571.28	571.04	571.58
1970	570.76	570.48	570.59	571.12	571.38	571.49	571.66	571.40	571.17	570.97	571.12	571.13	571.11
1971	571.26	570.86	571.35	571.55	571.66	571.74	571.68	571.48	571.27	571.13	570.99	571.02	571.33
1972	571.32	571.02	571.30	571.68	572.10	572.20		572.20	572.03	572.02	572.12	572.53	571.87
1973	572.73	572.27	572.69	573.22	573.21	573.42	573.28	572.93	572.41	572.06	572.04	571.88	572.68
1974	572.07	572.27	572.81	573.16	573.22	573.15	573.01	572.67	572.28	571.83	571.83	571.89	572.52
1975	572.20	572.23	572.40	572.55	572.48	572.61	572.55	572.25	572.39	572.01	571.93	571.70	572.28
1976	571.86	571.77	572.78	572.75	572.84	572.69	572.77	572.48	572.18	571.82	571.60	571.14	572.22
1977	570.52	570.16	570.74	571.49	571.77	571.65	571.67	571.59	571.49	571.34	571.18	571.54	571.26
1978	571.62	571.05	571.20	572.16	572.22	572.21	571.87	571.60	571.15	571.07	570.80	570.97	571.49
1979	570.79	570.20	570.89	571.77	571.93	572.07	572.10	572.00	571.85	571.82	571.59	571.68	571.56

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 3028 : Sturgeon Point, New York on Lake Erie

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1980	571.96	571.47	571.58	572.29	572.36	572.49	572.36	572.47	572.25	571.91	571.37	571.24	571.98
1981	570.71	570.68	571.21	571.39	571.72	572.09	572.13	571.95	571.90	571.72	571.63	571.46	571.55
1982	571.55	571.04	571.61	572.39	572.25	572.20	572.07	571.74	571.26	571.09	571.22	571.48	571.66
1983	571.59	571.29	571.36	571.83	572.40	572.35	572.51	572.37	571.99	571.47	571.62	572.23	571.92
1984	571.40	571.36	571.84	572.18	572.14	572.44	572.44	572.17	571.93	571.62	571.71	571.66	571.91
1985	572.17	571.75	572.72	573.49	573.16	573.10	572.91	572.53	572.32	571.98	572.38	573.29	572.65
1986													
1987													
1988													
1989													
1990													
1991													
1992													
1993													
1994													
1995													
1996													
1997													
1998													
1999													
2000													
2001													
2002													
2003													
2004													
2005													
2006													
2007													
2008													
2009													



U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

SUMMARY OF AVERAGE AND EXTREME LEVELS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 3028 : Sturgeon Point, New York on Lake Erie

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
MONTHLY AVERAGE FOR PERIOD 1969 THRU 1985													
	571.49	571.23	571.65	572.14	572.29	572.36	572.34	572.13	571.86	571.61	571.55	571.64	571.86
MONTHLY AVERAGE FOR PERIOD 1976 THRU 1985													
	571.42	571.08	571.59	572.17	572.28	572.33	572.28	572.09	571.83	571.58	571.51	571.67	571.82
HIGHEST MONTHLY AVERAGE FOR PERIOD 1969 THRU 1985													
LEVEL	572.73	572.27	572.81	573.49	573.22	573.42	573.28	572.93	572.41	572.06	572.38	573.29	572.68
YEAR	1973	1974	1974	1985	1974	1973	1973	1973	1973	1973	1985	1985	1973
LOWEST MONTHLY AVERAGE FOR PERIOD 1969 THRU 1985													
LEVEL	570.52	570.16	570.59	571.12	571.38	571.49	571.66	571.40	571.15	570.97	570.80	570.97	571.11
YEAR	1977	1977	1970	1970	1970	1970	1970	1970	1978	1970	1978	1978	1970
HIGHEST MONTHLY AVERAGE FOR PERIOD 1969 THRU 1985 .....573.49 APR 1985													
LOWEST MONTHLY AVERAGE FOR PERIOD 1969 THRU 1985 .....570.16 FEB 1977													

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 3032 : Barcelona, New York on Lake Erie

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1950													
1951													
1952													
1953													
1954													
1955													
1956													
1957													
1958													
1959													
1960													
1961	569.71	569.52	570.19	570.84	571.52	571.45	571.28	571.15	570.88	570.55	570.39	570.04	570.46
1962	569.86	569.46	569.73	570.18	570.23	570.26	570.29	570.12	570.96	570.42	570.07	570.05	570.60
1963	569.35	568.91	569.21	569.83	569.96	569.91	569.72	569.56	569.88	569.85	569.58	569.81	569.94
1964	568.57	568.55	568.85	569.29	569.65	569.56	569.42	569.23	569.16	568.95	568.98	568.84	569.36
1965	568.52	568.55	568.85	569.29	569.65	569.56	569.42	569.23	568.95	568.60	568.45	568.24	568.95
1966	568.52	568.64	569.11	569.43	569.79	569.74	569.64	569.51	569.34	569.33	569.33	569.25	569.30
1967	569.59	569.41	569.76	569.97	570.40	570.48	570.39	570.26	569.94	569.51	569.46	570.06	569.94
1968	570.00	569.93	569.85	570.49	570.78	570.82	570.97	570.81	570.45	570.45	570.50	570.47	570.46
1969	570.54	570.97	570.77	571.13	571.04	571.28	571.34	571.25	570.94	570.66	570.42	570.66	570.92
1970	570.76	570.97	570.95	571.28	571.95	572.20	572.38	572.29	571.74	571.34	571.12	570.91	571.49
1971	570.71	570.44	570.55	571.04	571.29	571.46	571.56	571.36	571.08	570.83	570.97	570.96	571.02
1972	570.94	570.71	571.21	571.42	571.61	571.71	571.63	571.43	571.23	571.07	570.91	570.67	571.21
1973	571.00	570.86	571.19	571.57	572.06	572.16	572.34	572.10	571.95	571.92	572.01	572.30	571.79
1974	572.47	572.25		573.07	573.11	573.35	573.25	572.95	572.43	572.07	571.94	571.75	572.60
1975	571.91	572.41	572.68	573.04	573.13	573.13	572.99	572.63	572.23	571.73	571.68	571.75	572.44
1976	571.89	571.98	572.26	572.42	572.47	572.62	572.56	572.23	572.47	571.92	571.71	571.58	572.18
1977	571.71	571.69	572.63	572.65	572.76	572.63	572.71	572.56	572.79		571.40	570.97	572.23
1978	570.44	570.13	570.66	571.38	571.72	571.59	571.60	571.55	571.42	571.23	571.00	570.96	571.14
1979	571.27	571.11	571.16	572.09	572.22	572.17	571.84	571.59	571.12	570.98	570.65	570.66	571.40
1979	570.61	570.56					572.04	571.96	571.85	571.73	571.45	571.49	571.46

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 3032 : Barcelona, New York on Lake Erie

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1980						572.41	572.31	572.44	572.18	571.76	571.24	571.10	571.92
1981	571.14							571.87	571.86	571.69	571.57	571.40	571.59
1982	571.43	571.02	571.58	572.34	572.08	572.17	572.06	571.71	571.25	571.07	571.15	571.42	571.61
1983	571.54	571.30	571.37	571.82	572.38	572.36	572.51	572.40	572.00	571.54	571.63	572.10	571.91
1984	571.47			572.49	572.13	572.44	572.42	572.17	571.91	571.62	571.65	571.57	571.99
1985	572.03	571.75	572.73	573.45	573.16	573.06	572.90	572.53	572.31	571.94	572.39	573.11	572.61
1986													
1987													
1988													
1989													
1990													
1991													
1992													
1993													
1994													
1995													
1996													
1997													
1998													
1999													
2000													
2001													
2002													
2003													
2004													
2005													
2006													
2007													
2008													
2009													

Station 3032 : Barcelona, New York on Lake Erie

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
MONTHLY AVERAGE FOR PERIOD 1960 THRU 1985													
	570.73	570.57	570.82	571.42	571.61	571.69	571.67	571.51	571.24	570.91	570.83	570.85	571.15
MONTHLY AVERAGE FOR PERIOD 1976 THRU 1985													
	571.29	571.08	571.69	572.32	572.35	572.35	572.27	572.08	571.87	571.51	571.41	571.48	571.81
HIGHEST MONTHLY AVERAGE FOR PERIOD 1960 THRU 1985													
LEVEL	572.47	572.41	572.73	573.45	573.16	573.35	573.25	572.95	572.79	572.07	572.39	573.11	572.61
YEAR	1973	1974	1985	1985	1985	1973	1973	1973	1976	1973	1985	1985	1985
LOWEST MONTHLY AVERAGE FOR PERIOD 1960 THRU 1985													
LEVEL	568.52	568.55	568.85	569.29	569.65	569.56	569.42	569.23	568.95	568.60	568.45	568.24	568.95
YEAR	1965	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964

HIGHEST MONTHLY AVERAGE FOR PERIOD 1960 THRU 1985 .....573.45 APR 1985

LOWEST MONTHLY AVERAGE FOR PERIOD 1960 THRU 1985 .....568.24 DEC 1964

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 3038 : Erie, Pennsylvania on Lake Erie

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1950													
1951													
1952													
1953													
1954													
1955													
1956													
1957													
1958				569.62	569.69	569.89	570.10	570.12	569.79	569.52	569.37	569.08	569.69
1959	568.95	569.17	569.59	570.09	570.51	570.50	570.26	570.02	569.61	569.62	569.59	569.63	569.80
1960	570.08	570.16	569.99	570.58	570.93	571.25	571.33	571.21	570.94	570.58	570.37	570.03	570.62
1961	569.72	569.58	570.23	570.87	571.56	571.49	571.34	571.22	570.97	570.43	570.08	570.01	570.62
1962	569.77	569.52	569.79	570.24	570.28	570.32	570.35	570.18	569.96	569.88	569.65	569.80	569.98
1963	569.37	568.91	569.26	569.85	570.01	569.99	569.73	569.62	569.23	569.00	568.99	568.80	569.40
1964	568.55	568.56	568.90	569.34	569.70	569.56	569.44	569.26	569.04	568.61	568.45	568.27	568.97
1965	568.53	568.59	569.09	569.50	569.85	569.82	569.71	569.56	569.40	569.35	569.34	569.31	569.34
1966	569.55	569.47	569.80	569.94	570.41	570.52	570.43	570.27	569.95	569.48	569.45	570.03	569.94
1967	569.95	569.90	569.84	570.48	570.81	570.86	571.01	570.85	570.48	570.34	570.48	570.52	570.46
1968	570.55	570.94	570.75	571.13	571.13	571.39	571.46	571.35	571.01	570.70	570.46	570.73	570.97
1969	570.72	570.97	570.92	571.46	572.01	572.27	572.44	572.34	571.74	571.25	571.09	571.03	571.52
1970	570.64	570.45	570.56	571.09	571.40	571.51	571.59	571.44	571.16	570.90	570.96	571.00	571.06
1971	571.04	570.74	571.35	571.49	571.67	571.79	571.71	571.50	571.31	571.11	570.94	570.90	571.30
1972	571.30		571.47	571.56	572.15	572.33	572.48	572.20	572.08	571.99	572.14	572.45	572.01
1973	572.54	572.40	572.76	573.24	573.22	573.46	573.34	572.99	572.46	572.06	571.90	571.80	572.68
1974	572.02	572.40	572.80	573.10	573.19	573.20	573.02	572.71	572.28	571.81	571.75	571.83	572.51
1975	572.09	572.15	572.41	572.56	572.52	572.70	572.58	572.29	572.39	572.05	571.83	571.69	572.27
1976	571.71	571.73	572.77	572.79	572.85	572.70	572.77	572.50	572.10	571.74	571.40	570.98	572.17
1977	570.53	570.22	570.79	571.54	571.85	571.67	571.68	571.59	571.58	571.36	571.13	571.38	571.28
1978	571.52	571.15	571.24	572.19	572.29	572.25	571.94	571.66	571.22	571.05	570.77	570.79	571.51
1979	570.67	570.30	570.91	571.81	572.01	572.16	572.14	572.04	571.92	571.80	571.60	571.61	571.58

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 3038 : Erie, Pennsylvania on Lake Erie

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1980	571.82	571.49	571.61	572.33	572.41	572.54	572.42	572.50	572.29	571.86	571.31	571.20	571.98
1981	570.64		571.20	571.40	571.76	572.32	572.18	571.94	571.93	571.74	571.61		571.67
1982			571.66	572.47	572.20	572.25	572.10	571.78	571.32	571.14	571.15	571.42	571.75
1983	571.57	571.37	571.45	571.89	572.43	572.40	572.57	572.49	572.04	571.62	571.66	572.02	571.96
1984	571.48	571.27	572.15	572.41			572.30	572.24	571.97	571.70	571.67	571.60	571.88
1985	572.12	571.96	572.83	573.52	573.26	573.17	572.99	572.64	572.40	572.00	572.48	573.09	572.70
1986													
1987													
1988													
1989													
1990													
1991													
1992													
1993													
1994													
1995													
1996													
1997													
1998													
1999													
2000													
2001													
2002													
2003													
2004													
2005													
2006													
2007													
2008													
2009													

Station 3038 : Erie, Pennsylvania on Lake Erie

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
MONTHLY AVERAGE FOR PERIOD 1958 THRU 1985													
	570.67	570.56	570.97	571.37	571.56	571.64	571.62	571.45	571.16	570.88	570.77	570.78	571.12
MONTHLY AVERAGE FOR PERIOD 1976 THRU 1985													
	571.34	571.19	571.66	572.24	572.34	572.38	572.31	572.14	571.88	571.60	571.48	571.57	571.84
HIGHEST MONTHLY AVERAGE FOR PERIOD 1958 THRU 1985													
LEVEL	572.54	572.40	572.83	573.52	573.26	573.46	573.34	572.99	572.46	572.06	572.48	573.09	572.70
YEAR	1973	1974	1985	1985	1985	1973	1973	1973	1973	1973	1985	1985	1985
LOWEST MONTHLY AVERAGE FOR PERIOD 1958 THRU 1985													
LEVEL	568.53	568.56	568.90	569.34	569.69	569.56	569.44	569.26	569.04	568.61	568.45	568.27	568.97
YEAR	1965	1964	1964	1964	1958	1964	1964	1964	1964	1964	1964	1964	1964
HIGHEST MONTHLY AVERAGE FOR PERIOD 1958 THRU 1985 .....573.52      APR      1985													
LOWEST MONTHLY AVERAGE FOR PERIOD 1958 THRU 1985 .....568.27      DEC      1964													

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 3053 : Fairport Harbor, Ohio on Lake Erie

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1950													
1951													
1952													
1953													
1954													
1955													
1956													
1957													
1958													
1959													
1960													
1961													
1962													
1963													
1964													
1965													
1966													
1967													
1968													
1969													
1970													
1971													
1972													
1973													
1974													
1975						572.79	572.63	572.42	572.51	572.14	571.77	571.74	572.29
1976	571.70	571.75	572.79	572.91	572.93	572.83	572.87	572.66	572.20	571.78	571.32		572.34
1977		570.32	570.88	571.59	571.95	571.74	571.74	571.64	571.57	571.40	571.09	571.23	571.38
1978		571.10	571.31	572.28	572.41	572.28	571.99	571.71	571.32	571.03	570.78	570.60	571.53
1979	570.55	570.44	570.93	571.83	572.12	572.22	572.20	572.08	572.00	571.68	571.40	571.51	571.58



Station 3053 : Fairport Harbor, Ohio on Lake Erie

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1980	571.77	571.55	571.71	572.42	572.46	572.55	572.45	572.57	572.30	571.89	571.22	571.13	572.00
1981	570.64	570.72	571.24	571.42	571.85	572.13	572.27	572.08	571.96	571.76	571.58	571.42	571.59
1982	571.29	571.18	571.70	572.45	572.32	572.34	572.19	571.81	571.40	571.12	571.07	571.37	571.69
1983	571.54	571.47	571.57	571.99	572.50	572.54	572.60	572.55	572.07	571.66	571.63	571.83	572.00
1984	571.51	571.56	572.07	572.33	572.26	572.56	572.50	572.28	572.01	571.78	571.58	571.43	571.99
1985	571.72	571.83	572.86	573.50	573.29	573.19	573.03	572.68	572.45	572.06	572.62	572.79	572.67
1986													
1987													
1988													
1989													
1990													
1991													
1992													
1993													
1994													
1995													
1996													
1997													
1998													
1999													
2000													
2001													
2002													
2003													
2004													
2005													
2006													
2007													
2008													
2009													

Station 3053 : Fairport Harbor, Ohio on Lake Erie

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
MONTHLY AVERAGE FOR PERIOD 1975 THRU 1985													
	571.34	571.19	571.71	572.27	572.41	572.47	572.41	572.23	571.98	571.66	571.46	571.50	571.89
MONTHLY AVERAGE FOR PERIOD 1976 THRU 1985													
	571.34	571.19	571.71	572.27	572.41	572.44	572.38	572.21	571.93	571.62	571.43	571.48	571.87
HIGHEST MONTHLY AVERAGE FOR PERIOD 1975 THRU 1985													
LEVEL	571.77	571.83	572.86	573.50	573.29	573.19	573.03	572.68	572.51	572.14	572.62	572.79	572.67
YEAR	1980	1985	1985	1985	1985	1985	1985	1985	1975	1975	1985	1985	1985
LOWEST MONTHLY AVERAGE FOR PERIOD 1975 THRU 1985													
LEVEL	570.55	570.32	570.88	571.42	571.85	571.74	571.74	571.64	571.32	571.03	570.78	570.60	571.38
YEAR	1979	1977	1977	1981	1981	1977	1977	1977	1978	1978	1978	1978	1977
HIGHEST MONTHLY AVERAGE FOR PERIOD 1975 THRU 1985 .....573.50 APR 1985													
LOWEST MONTHLY AVERAGE FOR PERIOD 1975 THRU 1985 .....570.32 FEB 1977													

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 3063 : Cleveland, Ohio on Lake Erie

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1860	571.38	571.02	571.42	572.12	572.33	572.30	572.04	571.88	571.54	571.24	571.15	570.99	571.62
1861	570.73	570.45	570.89	571.93	572.36	572.43	572.18	572.22	572.04	571.81	571.79	571.56	571.70
1862	571.55	571.26	571.40	572.30	572.54	572.54	572.51	572.13	571.82	571.44	571.10	571.13	571.81
1863	571.58	571.87	571.81	571.93	572.11	571.97	571.85	571.77	571.38	570.94	570.53	570.50	571.52
1864	570.21	570.36	570.57	571.07	571.77	571.72	571.46	571.19	570.97	570.66	570.49	570.56	570.92
1865	570.13	569.55	569.87	570.59	571.17	571.15	571.11	571.03	570.99	570.69	570.31	570.17	570.56
1866	569.90	569.74	570.13	570.71	570.93	571.19	571.30	571.05	570.99	570.98	570.74	570.75	570.70
1867	570.46	570.14	570.54	570.86	571.38	571.69	571.50	571.19	570.80	570.46	569.96	569.74	570.73
1868	569.55	569.16	569.75	570.58	571.03	571.42	571.39	570.87	570.60	570.15	569.99	569.78	570.36
1869	569.77	569.70	570.18	570.48	571.03	571.42	571.70	571.60	571.33	570.88	570.42	570.77	570.77
1870	571.01	571.24	571.01	571.66	571.87	571.84	571.88	571.83	571.58	571.20	570.90	570.78	571.40
1871	570.57	570.24	570.69	571.17	571.44	571.47	571.45	571.30	571.08	570.41	570.23	569.79	570.82
1872	569.71	569.47	569.38	569.58	570.02	570.39	570.38	570.35	570.12	569.95	569.62	569.39	569.86
1873	569.29	569.30	569.37	570.65	571.32	571.40	571.38	571.32	570.92	570.62	570.42	570.79	570.56
1874	571.15	571.20	571.24	571.40	571.49	571.56	571.59	571.43	570.97	570.53	570.11	569.90	571.05
1875	569.67	569.50	569.64	570.04	570.51	570.90	571.03	571.02	570.88	570.39	570.24	570.46	570.36
1876	570.41	570.97	571.62	572.14	572.46	572.57	572.46	572.16	571.99	571.46	571.54	571.20	571.75
1877	570.70	570.63	570.40	570.83	571.08	571.16	571.40	571.26	571.18	570.78	570.69	570.77	570.91
1878	570.85	570.99	571.12	571.53	571.79	571.80	571.80	571.56	571.43	571.08	570.87	570.95	571.31
1879	570.53	570.39	570.42	570.77	570.92	571.01	571.04	570.82	570.49	570.26	569.79	570.04	570.54
1880	570.54	570.58	570.72	570.88	571.14	571.26	571.35	571.11	570.88	570.52	570.44	570.10	570.79
1881	569.66	569.77	570.09	570.73	571.13	571.40	571.35	571.03	570.68	570.63	570.45	570.65	570.63
1882	571.12	571.12	571.57	571.79	571.98	572.13	572.13	571.99	571.72	571.27	570.95	570.44	571.52
1883	570.35	570.56	570.75	570.87	571.33	572.03	572.23	572.17	571.86	571.54	571.16	571.19	571.34
1884	570.86	571.12	571.31	571.86	572.13	572.21	571.99	571.83	571.40	571.07	570.59	570.52	571.41
1885	570.34	570.13	569.99	570.81	571.54	572.05	572.01	572.02	571.87	571.77	571.65	571.60	571.32
1886	571.62	570.89	570.70	571.58	571.88	571.98	571.96	571.76	571.51	571.28	570.99	570.91	571.42
1887	570.68	571.11	571.89	571.94	572.12	572.14	571.91	571.59	571.36	570.77	570.50	570.52	571.38
1888	570.34	570.07	570.17	570.80	571.05	571.18	571.33	571.23	570.79	570.42	570.48	570.36	570.68
1889	570.38	570.22	570.06	570.41	570.59	571.02	571.22	570.91	570.52	570.10	569.83	570.09	570.45

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 3063 : Cleveland, Ohio on Lake Erie

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1890	570.45	570.74	570.86	571.35	571.69	572.06	571.68	571.24	571.05	570.86	570.83	570.60	571.12
1891	570.38	570.36	570.82	570.69	570.51	570.65	570.55	570.28	570.10	569.72	569.28	569.35	570.22
1892	569.38	569.17	569.21	569.77	570.57	571.33	571.45	571.10	570.78	570.22	569.89	569.62	570.21
1893	569.24	569.32	569.54	570.27	571.11	571.30	571.02	570.68	570.30	569.95	569.55	569.63	570.16
1894	569.91	569.79	569.82	570.22	570.61	570.92	570.80	570.43	570.26	569.94	569.70	569.63	570.17
1895	569.30	569.07	569.08	569.33	569.55	569.64	569.53	569.45	569.35	568.87	568.77	568.93	569.24
1896	569.03	568.95	568.90	569.35	569.73	570.00	569.88	570.09	569.77	569.53	569.16	569.19	569.46
1897	569.16	569.36	569.73	570.28	570.61	570.71	570.70	570.54	570.26	569.77	569.64	569.61	570.03
1898	569.66	569.86	570.12	570.70	570.85	570.88	570.66	570.46	570.08	569.88	569.76	569.59	570.21
1899	569.74	569.53	569.90	570.20	570.51	570.63	570.53	570.28	569.92	569.68	569.69	569.41	570.00
1900	569.43	569.64	569.99	570.30	570.46	570.54	570.40	570.37	570.05	569.81	569.54	569.51	570.00
1901	569.41	569.06	568.94	569.35	569.37	569.78	569.97	569.84	569.77	569.39	569.22	569.25	569.45
1902	569.14	568.69	569.00	569.55	569.92	570.18	570.81	570.80	570.44	570.35	570.08	569.88	569.90
1903	569.68	569.76	570.34	571.11	571.15	571.11	571.04	570.82	570.65	570.31	569.83	569.49	570.44
1904	569.38	569.48	570.07	571.19	571.39	571.58	571.47	571.16	570.90	570.54	570.18	569.80	570.60
1905	569.58	569.27	569.24	569.89	570.52	571.04	571.12	570.93	570.69	570.37	569.99	569.97	570.22
1906	570.00	569.99	569.77	570.19	570.46	570.66	570.74	570.72	570.44	570.30	570.26	570.51	570.34
1907	570.85	570.55	570.33	570.81	570.97	571.36	571.40	571.12	570.86	570.78	570.50	570.34	570.82
1908	570.65	570.27	570.73	571.35	571.59	571.59	571.40	571.21	570.76	570.39	569.79	569.50	570.77
1909	569.52	569.53	569.85	570.15	570.94	571.29	571.09	570.90	570.45	569.85	569.70	569.48	570.23
1910	569.34	569.25	569.75	570.17	570.66	570.70	570.49	570.30	570.11	569.97	569.55	569.40	569.97
1911	569.10	569.15	569.14	569.67	569.94	570.00	569.81	569.67	569.58	569.59	569.19	569.48	569.53
1912	569.34	569.14	569.29	570.34	570.65	570.72	570.62	570.55	570.56	570.21	569.98	569.61	570.08
1913	570.29	570.47	570.51	572.09	572.03	571.91	571.62	571.29	570.80	570.48	570.33	570.20	571.00
1914	570.11	569.77	569.54	570.24	570.96	571.09	570.88	570.62	570.38	570.12	569.54	569.47	570.23
1915	569.17	569.42	569.47	569.51	569.73	569.90	570.09	570.35	570.25	570.01	569.53	569.46	569.74
1916	569.73	570.07	569.95	570.53	570.94	571.36	571.30	570.90	570.37	569.98	569.72	569.57	570.37
1917	569.65	569.40	569.63	570.65	571.06	571.58	571.90	571.62	571.32	570.89	571.03	570.61	570.78
1918	569.94	569.70	570.30	570.32	570.22	570.59	570.64	570.61	570.53	570.36	570.20	570.26	570.31
1919	570.25	570.28	570.56	571.12	571.75	571.84	571.51	571.21	570.82	570.54	570.29	569.94	570.84

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 3063 : Cleveland, Ohio on Lake Erie

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1920	569.36	568.84	568.92	569.69	570.36	570.55	570.69	570.68	570.45	570.15	570.00	569.99	569.97
1921	570.00	569.94	570.17	570.85	571.14	571.06	570.91	570.53	570.22	569.80	569.85	569.79	570.36
1922	569.56	569.22	569.44	570.37	570.78	570.91	570.78	570.54	570.36	569.94	569.48	569.17	570.05
1923	569.22	568.89	569.06	569.55	569.88	570.06	570.05	569.75	569.57	569.29	569.02	569.31	569.47
1924	569.33	569.37	569.28	569.83	570.21	570.35	570.49	570.20	570.00	569.75	569.11	568.83	569.73
1925	568.67	568.55	568.98	569.37	569.36	569.23	569.17	569.13	568.98	568.65	568.50	568.44	568.92
1926	568.10	567.96	568.08	568.86	569.22	569.29	569.25	569.35	569.48	569.76	569.52	569.51	569.03
1927	569.16	569.04	569.17	569.80	570.00	570.24	570.21	570.05	569.68	569.38	569.15	569.67	569.63
1928	569.72	569.79	569.51	569.85	570.13	570.45	570.73	570.64	570.20	569.91	569.79	569.86	570.05
1929	569.89	570.12	570.58	571.67	572.33	572.33	572.21	571.84	571.45	571.00	570.83	570.82	571.26
1930	571.42	571.27	571.63	572.02	572.00	571.79	571.54	571.08	570.69	570.30	569.85	569.71	571.11
1931	569.46	569.16	568.85	569.20	569.52	569.69	569.75	569.59	569.30	569.01	568.77	568.76	569.26
1932	569.28	569.55	569.51	569.65	569.90	569.92	569.80	569.55	569.26	568.70	568.60	568.44	569.35
1933	568.73	568.66	568.98	569.73	570.17	570.10	569.83	569.54	569.09	568.65	568.23	568.18	569.16
1934	568.01	567.68	567.65	568.20	568.43	568.46	568.46	568.36	568.23	567.95	567.60	567.53	568.05
1935	567.62	567.56	567.88	568.31	568.65	568.81	568.93	568.95	568.58	568.17	568.09	568.07	568.30
1936	567.67	567.49	568.20	568.95	569.24	569.25	569.17	568.90	568.71	568.57	568.33	568.15	568.55
1937	568.79	569.33	569.33	569.68	570.26	570.44	570.67	570.44	569.87	569.30	568.88	568.60	569.63
1938	568.62	569.06	569.50	570.16	570.23	570.35	570.35	570.34	569.97	569.67	569.23	569.06	569.71
1939	569.09	569.02	569.45	570.02	570.41	570.45	570.39	570.24	569.91	569.52	569.29	569.10	569.74
1940	568.71	568.67	568.84	569.54	569.96	570.29	570.34	570.14	570.01	569.71	569.30	569.42	569.58
1941	569.75	569.33	569.15	569.38	569.53	569.69	569.65	569.45	569.12	568.84	568.56	568.62	569.26
1942	568.47	568.76	568.95	569.93	570.24	570.61	570.59	570.52	570.27	570.02	569.89	569.78	569.84
1943	570.18	569.89	570.10	570.63	571.49	572.13	572.13	571.88	571.43	571.08	570.77	570.41	571.01
1944	569.99	569.85	569.98	570.82	571.35	571.50	571.29	570.94	570.64	570.35	570.11	569.88	570.56
1945	569.71	569.45	570.13	570.82	571.22	571.66	571.79	571.55	571.21	571.32	570.94	570.69	570.87
1946	570.65	570.28	570.60	570.81	570.94	571.44	571.53	571.16	570.73	570.35	570.04	569.74	570.69
1947	569.66	569.67	569.64	570.87	571.82	572.39	572.14	571.90	571.64	571.11	570.72	570.50	571.00
1948	570.45	570.21	570.73	571.50	571.92	571.95	571.84	571.50	571.08	570.50	570.16	570.00	570.99
1949	570.06	570.32	570.51	570.65	570.77	570.75	570.66	570.36	569.90	569.64	569.19	569.06	570.16

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 3063 : Cleveland, Ohio on Lake Erie

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1950	569.84	570.47	570.46	571.26	571.38	571.24	571.04	570.74	570.61	570.34	570.16	570.53	570.67
1951	570.54	570.58	571.26	571.80	572.05	572.03	571.92	571.62	571.22	570.90	570.77	570.86	571.30
1952	571.39	572.06	572.28	572.67	572.76	572.73	572.51	572.22	571.95	571.32	570.87	570.87	571.97
1953	571.05	571.04	571.27	571.52	571.82	572.11	571.99	571.85	571.40	571.01	570.65	570.37	571.34
1954	570.34	570.19	570.69	571.54	571.83	571.74	571.61	571.41	571.08	571.24	571.29	571.23	571.18
1955	571.44	571.23	571.77	572.10	572.11	571.99	571.76	571.61	571.18	570.84	570.42	570.29	571.40
1956	570.01	569.45	570.04	570.56	571.35	571.56	571.54	571.45	571.13	570.58	570.09	569.97	570.64
1957	569.80	569.78	570.00	570.63	571.02	571.07	571.30	570.92	570.54	570.12	569.64	569.77	570.38
1958	569.86	569.34	569.42	569.62	569.74	569.85	570.11	570.11	569.90	569.48	569.08	568.86	569.61
1959	568.70	569.14	569.58	570.14	570.57	570.53	570.25	570.02	569.67	569.54	569.29	569.53	569.75
1960	569.85	569.98	570.00	570.55	570.95	571.23	571.34	571.29	571.03	570.54	570.02	569.72	570.54
1961	569.58	569.60	570.29	570.84	571.57	571.50	571.31	571.22	570.92	570.37	569.97	569.71	570.57
1962	569.42	569.56	569.87	570.22	570.31	570.43	570.36	570.23	569.98	569.80	569.72	569.48	569.95
1963	569.15	568.92	569.22	569.85	570.05	570.01	569.76	569.61	569.35	569.03	568.76	568.51	569.35
1964	568.43	568.54	568.87	569.42	569.72	569.65	569.51	569.29	569.03	568.53	568.26	568.24	568.96
1965	568.47	568.63	569.19	569.58	569.88	569.87	569.72	569.58	569.46	569.19	569.07	569.14	569.32
1966	569.44	569.50	569.80	570.15	570.49	570.57	570.50	570.29	570.00	569.36	569.38	569.87	569.95
1967	569.80	569.86	569.99	570.55	570.93	570.94	571.03	570.88	570.53	570.27	570.19	570.41	570.45
1968	570.56	570.85	570.84	571.13	571.19	571.40	571.46	571.32	570.97	570.56	570.36	570.46	570.92
1969	570.49	571.05	570.92	571.56	572.07	572.30	572.53	572.34	571.82	571.29	571.00	571.09	571.54
1970	570.53	570.51	570.65	571.19	571.47	571.62	571.63	571.48	571.22	571.00	570.88	570.96	571.10
1971	570.75	570.71	571.30	571.53	571.70	571.84	571.70	571.51	571.40	571.16	570.79	570.81	571.27
1972	570.86	570.92	571.35	571.81	572.26	572.30	572.40	572.22	572.11	571.95	572.17	572.35	571.89
1973	572.39	572.53	572.88	573.30	573.25	573.51	573.34	573.03	572.51	572.14	571.77	571.83	572.71
1974	571.99	572.38	572.79	573.20	573.18	573.24	573.07	572.72	572.31	571.80	571.67	571.87	572.52
1975	571.88	572.04	572.51	572.58	572.59	572.73	572.58	572.38	572.45	572.08	571.68	571.69	572.27
1976	571.61	571.67	572.79	572.88	572.90	572.79	572.77	572.57	572.11	571.68	571.06	570.70	572.13
1977	570.40	570.22	570.85	571.55	571.94	571.70	571.70	571.53	571.52	571.36	571.03	571.11	571.24
1978	571.26	571.18	571.33	572.26	572.38	572.25	571.98	571.67	571.31	570.98	570.74	570.47	571.48
1979	570.46	570.43	570.90	571.82	572.12	572.20	572.17	572.06	572.01	571.68	571.33	571.45	571.55

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 3063 : Cleveland, Ohio on Lake Erie

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1980	571.70	571.51	571.71	572.40	572.45	572.56	572.42	572.54	572.28	571.67	571.21	571.15	571.97
1981	570.79	570.72	571.27	571.50	571.94	572.19	572.25	572.03	571.92	571.73	571.54	571.33	571.60
1982	571.10	571.20	571.67	572.40	572.32	572.38	572.22	571.80	571.39	571.07	571.03	571.33	571.66
1983	571.51	571.48	571.62	572.02	572.52	572.57	572.57	572.54	572.01	571.61	571.57	571.66	571.97
1984	571.46	571.55	572.08	572.32	572.22	572.52	572.44	572.27	571.97	571.76	571.50	571.34	571.95
1985	571.58	571.77	572.85	573.46	573.28	573.18	573.00	572.66	572.42	572.01	572.55	572.58	572.61
1986													
1987													
1988													
1989													
1990													
1991													
1992													
1993													
1994													
1995													
1996													
1997													
1998													
1999													
2000													
2001													
2002													
2003													
2004													
2005													
2006													
2007													
2008													
2009													

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

SUMMARY OF AVERAGE AND EXTREME LEVELS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 3063 : Cleveland, Ohio on Lake Erie

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
MONTHLY AVERAGE FOR PERIOD 1860 THRU 1985													
	570.03	569.99	570.24	570.77	571.08	571.23	571.18	570.99	570.71	570.38	570.13	570.07	570.57
MONTHLY AVERAGE FOR PERIOD 1900 THRU 1985													
	569.91	569.89	570.16	570.71	571.01	571.13	571.09	570.90	570.61	570.29	570.02	569.96	570.47
MONTHLY AVERAGE FOR PERIOD 1976 THRU 1985													
	571.19	571.17	571.71	572.26	572.41	572.43	572.35	572.17	571.89	571.56	571.36	571.31	571.82
HIGHEST MONTHLY AVERAGE FOR PERIOD 1860 THRU 1985													
LEVEL	572.39	572.53	572.88	573.46	573.28	573.51	573.34	573.03	572.51	572.14	572.55	572.58	572.71
YEAR	1973	1973	1973	1985	1985	1973	1973	1973	1973	1973	1985	1985	1973
LOWEST MONTHLY AVERAGE FOR PERIOD 1860 THRU 1985													
LEVEL	567.62	567.49	567.65	568.20	568.43	568.46	568.46	568.36	568.23	567.95	567.60	567.53	568.05
YEAR	1935	1936	1934	1934	1934	1934	1934	1934	1934	1934	1934	1934	1934
HIGHEST MONTHLY AVERAGE FOR PERIOD 1860 THRU 1985 .....573.51 JUN 1973													
LOWEST MONTHLY AVERAGE FOR PERIOD 1860 THRU 1985 .....567.49 FEB 1936													



U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 3079 : Marblehead, Ohio on Lake Erie

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1950													
1951													
1952													
1953													
1954													
1955													
1956													
1957													
1958													
1959						570.53	570.23	569.98	569.69	569.50	569.12	569.51	569.79
1960	569.83	569.87	569.98	570.54	570.96	571.25	571.34	571.48	571.02	570.49	569.83	569.60	570.52
1961	569.53	569.65	570.37	570.83	571.59	571.44	571.31	571.21	570.91	570.32	569.90	569.58	570.55
1962	569.38	569.59	569.89	570.22	570.37	570.48	570.39	570.24	569.96	569.71	569.72	569.30	569.94
1963	569.07	568.97	569.23	569.83	570.05	570.00	569.76	569.59	569.43	569.04	568.60	568.28	569.32
1964	568.33	568.47	568.63	569.48	569.75	569.68	569.54	569.29	569.03	568.47	568.12	568.19	568.92
1965	568.40	568.50	569.15	569.63	569.91	570.01	569.79	569.55	569.50	569.01	568.85	569.01	569.28
1966	569.33	569.48	569.71	570.22	570.53	570.57	570.51	570.27	569.96	569.26	569.31	569.41	569.88
1967	569.71	569.95	570.14	570.54	571.06	571.01	571.04	570.89	570.56	570.23	570.01	570.37	570.46
1968	570.53	570.69	570.87	571.12	571.27	571.43	571.46	571.32	570.85	570.46	570.29	570.22	570.88
1969	570.54	571.04	570.86	571.57	572.07	572.31	572.58	572.36	571.84	571.23	570.87	571.03	571.52
1970	570.47	570.43	570.70	571.22	571.53	571.69	571.62	571.50	571.23	571.03	570.78	570.84	571.09
1971	570.53	570.63	571.21	571.51	571.70	571.89	571.72	571.56	571.45	571.16	570.64	570.71	571.23
1972	570.68	570.84	571.32	571.92	572.35	572.29	572.44	572.26	572.13	571.90	572.16	572.24	571.88
1973	572.26	572.57	572.92	573.33	573.25	573.52	573.38	573.06	572.56	572.13	571.60	571.79	572.70
1974	571.96	572.43	572.97	573.24	573.32	573.28	573.12	572.77	572.26	571.75	571.53	571.80	572.54
1975	571.72	571.94	572.52	572.55	572.63	572.80	572.57	572.43	572.48	572.12	571.57	571.66	572.25
1976	571.47	571.59	572.72	572.95	572.93	572.85	572.79	572.66	572.11	571.62	570.87	570.45	572.08
1977	570.94	570.20	570.85	571.57	572.01	571.72	571.71	571.56	571.52	571.29	570.92	570.91	571.27
1978	571.05	571.20	571.37	572.30	572.42	572.25	572.00	571.66	571.32	570.89	570.68	570.24	571.45
1979	570.27	570.42	570.86	570.74	572.19	572.20	572.18	572.05	572.02	571.55	571.19	571.33	571.42

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 3079 : Marblehead, Ohio on Lake Erie

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1980	571.67	571.47	571.55	572.41	572.48	572.55	572.43	572.52	572.25	571.52	571.11	571.01	571.91
1981	570.52	570.54	571.17	571.38	571.93	572.13	572.31	572.05	571.87	571.63	571.43	571.18	571.51
1982	570.88	571.18	571.65	572.33	572.34	572.36	572.21	571.78	571.37	571.03	570.89	571.22	571.60
1983	571.40	571.50	571.64	572.04	572.50	572.61	572.59	572.58	571.98	571.63	571.44	571.22	571.99
1984			572.03	572.28	572.26	572.58	572.47	572.30	571.99	571.81	571.38	571.24	572.03
1985	571.36	571.71	572.90	573.42	573.35	573.21	573.03	572.71	572.42	572.03	572.73	572.33	572.60
1986													
1987													
1988													
1989													
1990													
1991													
1992													
1993													
1994													
1995													
1996													
1997													
1998													
1999													
2000													
2001													
2002													
2003													
2004													
2005													
2006													
2007													
2008													
2009													

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

SUMMARY OF AVERAGE AND EXTREME LEVELS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 3079 : Marblehead, Ohio on Lake Erie

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
MONTHLY AVERAGE FOR PERIOD 1959 THRU 1985													
	570.47	570.59	571.05	571.51	571.80	571.80	571.72	571.54	571.25	570.84	570.58	570.52	571.14
MONTHLY AVERAGE FOR PERIOD 1976 THRU 1985													
	571.06	571.09	571.67	572.14	572.44	572.45	572.37	572.19	571.88	571.50	571.26	571.10	571.76
HIGHEST MONTHLY AVERAGE FOR PERIOD 1959 THRU 1985													
LEVEL	572.26	572.57	572.97	573.42	573.35	573.52	573.38	573.06	572.56	572.13	572.73	572.33	572.70
YEAR	1973	1973	1974	1985	1985	1973	1973	1973	1973	1973	1985	1985	1973
LOWEST MONTHLY AVERAGE FOR PERIOD 1959 THRU 1985													
LEVEL	568.33	568.47	568.63	569.48	569.75	569.68	569.54	569.29	569.03	568.47	568.12	568.19	568.92
YEAR	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964
HIGHEST MONTHLY AVERAGE FOR PERIOD 1959 THRU 1985 .....573.52 JUN 1973													
LOWEST MONTHLY AVERAGE FOR PERIOD 1959 THRU 1985 .....568.12 NOV 1964													

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 3085 : Toledo, Ohio on Lake Erie

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1860													
1861													
1862													
1863													
1864													
1865													
1866													
1867													
1868													
1869													
1870													
1871													
1872													
1873													
1874													
1875													
1876													
1877													
1878													
1879									571.49				571.49
1880													
1881													
1882													
1883													
1884													
1885													
1886													
1887													
1888													
1889													

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 3085 : Toledo, Ohio on Lake Erie

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1890													
1891													
1892													
1893													
1894													
1895													
1896													
1897													
1898													
1899													
1900													
1901													
1902													
1903													
1904								571.28	570.97	570.52			570.92
1905							571.19	570.99	570.70	570.22	569.81	569.86	570.46
1906	569.70	569.95	569.78	570.27	570.52	570.76	570.83	570.85	570.58	570.23	570.18	570.37	570.34
1907	570.77	570.60	570.38	570.76	571.02	571.45	571.39	571.14	570.80	570.71	570.39	570.25	570.80
1908	570.54	570.15		571.38	571.73								570.95
1909													
1910													
1911										569.54	568.58	569.43	569.18
1912	569.24	569.22	569.87	570.47	570.65	570.84	570.71	570.55	570.52	570.07	569.62	568.96	570.06
1913	570.77	570.22	571.38	572.16	572.11	571.88	571.56	571.32	571.11	570.27	569.99	569.99	571.06
1914	569.99	569.64	569.65	570.30	571.25	571.17	570.91	570.61	570.35	570.08	569.38	569.31	570.22
1915	568.97	569.69	569.26	569.44	569.74	570.01	570.07	570.29	570.26	569.96	568.73	569.24	569.64
1916	570.42	570.23	570.39	570.66	571.05	571.45	571.52	570.97	570.46	569.82	569.54	569.36	570.49
1917	569.68	569.45	569.48	570.92	571.02	571.62	571.94	571.70	571.45	570.69	571.05	570.70	570.81
1918	569.91	571.98	570.48	570.67	570.28	570.67	570.66					570.46	570.64
1919	570.03	570.27	570.89	571.15	571.92	571.97	571.57	571.12	570.77	570.52	570.20	569.64	570.84

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 3085 : Toledo, Ohio on Lake Erie

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1920	569.36	568.85	568.80	569.54	570.51	570.62	570.67	570.83	570.43	569.98	569.75	569.67	569.92
1921	569.94	569.80	570.28	570.78	571.25	571.10	570.89				569.86	569.57	570.39
1922	569.31	569.04	569.64	570.43	570.90	570.94	570.79	570.53	570.42	569.75	569.08	568.88	569.98
1923	569.17	568.78	568.77	569.62	570.04	570.03			569.67	569.24	568.97	569.43	569.37
1924	569.32	569.49	569.71	570.17	570.30	570.50	570.52	570.32	569.95	569.73	568.73	568.73	569.79
1925	568.76	568.59	569.25	569.65	569.33	569.26	569.17	569.31	569.13	568.34	568.33	568.32	568.95
1926	568.14	568.16	568.19	569.02	569.38	569.24	569.38	569.56	569.89	569.66	569.35	569.40	569.11
1927	569.23	569.53	569.43	569.38	570.04	570.37	570.35	570.18	569.66	569.24	569.04	569.64	569.67
1928	569.35	569.92	569.35	569.83	570.25	570.62	570.79	570.74	570.21	569.79	569.40	569.59	569.99
1929	570.52	570.43	570.60	571.43	572.32	572.19	572.30	571.81	571.34	571.00	570.43	570.96	571.28
1930	572.06	571.30	571.49	572.06	571.93	571.72	571.59	571.19	570.67	570.22	569.67	569.52	571.12
1931	569.31	569.17	568.93	569.20	569.49	569.86	569.81	569.71	569.23	568.95	568.36	568.65	569.22
1932	569.08	569.41	569.15	569.66	569.95	569.91	569.62	569.51	569.20	568.47	568.55	568.37	569.24
1933	568.67	568.27	568.95	569.79	570.59	569.96	569.92	569.56	568.61	568.44	568.14	568.26	569.10
1934	568.07	568.03	568.13	568.19	568.44	568.51	568.51	568.49	568.17	567.85	567.34	567.24	568.08
1935	567.47	567.54	568.07	568.44	569.01	568.71	568.94	568.97	568.52	567.96	568.00	567.82	568.29
1936	567.63	568.45	568.63	568.76	569.26	569.29	569.18	569.00	568.88	568.42	567.97		568.68
1937			569.12	569.83			570.51	570.49				568.29	569.65
1938	568.46	569.17	569.57		570.23	570.21	570.36	570.36	570.15	569.83	568.83	568.22	569.58
1939		569.01	569.46	569.87	570.40	570.48	570.49	570.25	569.90	569.40	569.29		569.86
1940					569.98	570.24	570.36	570.33	570.03	569.85	568.97	569.24	569.88
1941	569.64	569.14	569.02	569.51	569.56	569.81	569.67	569.44	569.09	568.66	568.18	568.39	569.18
1942	568.33	568.76	568.81	570.03	570.23	570.69	570.62	570.51	570.12	569.94	569.63	569.46	569.76
1943	570.07	569.60	570.01	570.64	571.59	572.11	572.19	571.85	571.41	571.11	570.56	570.11	570.94
1944	569.92	569.86	570.00	571.00	571.47	571.47	571.29	570.98	570.62	570.30	569.92	569.61	570.54
1945	569.58	569.45	570.15	570.70	571.21	571.82	571.77	571.58	571.34	571.12	570.76	570.37	570.82
1946	570.46	570.02	570.77	570.79	571.05	571.53	571.67	571.16	570.78	570.31	569.77	569.33	570.64
1947	569.48	569.34	569.27	570.94	571.78	572.44	572.14	572.02	571.64	571.28	570.52	570.32	570.93
1948	570.45	570.23	570.79	571.60	571.90	571.99	571.85	571.51	571.16	570.39	569.96	569.74	570.96
1949	569.96	570.03	570.41	570.63	570.81	570.81	570.78	570.49	569.77	569.66	568.81	568.90	570.09

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 3085 : Toledo, Ohio on Lake Erie

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1950	569.78	570.56	570.42	571.27	571.57	571.26	571.22	570.76	570.69	570.38	569.83	570.43	570.68
1951	570.47	570.62	571.22	571.74	572.18	572.13	571.93	571.67	571.11	570.87	570.53	570.57	571.25
1952	571.29	572.05	572.29	572.74	572.80	572.70	572.45	572.30	571.88	571.12	570.58	570.64	571.90
1953	570.92	570.72	571.27	571.40	571.90	572.13	572.03	571.90	571.35	571.03	570.46	569.85	571.25
1954	570.26	570.18	570.53	571.62	571.86	571.77	571.68	571.41	571.01	571.14	571.08	571.15	571.14
1955	571.24	571.23	571.48	572.18	572.17	572.06	571.91	571.63	571.28	570.61	569.87	570.00	571.30
1956	569.94	569.43	570.05	570.48	571.40	571.53	571.52	571.38	571.16	570.73	569.76	569.69	570.59
1957	569.60	569.75	569.95	570.66	571.14	570.99	571.27	570.91	570.47	570.12	569.20	569.56	570.30
1958	569.64	569.13	569.51	569.77	569.85	569.89	570.15	570.03	569.77	569.32	568.66	568.61	569.53
1959	568.63	569.28	569.55	570.16	570.65	570.59	570.23	570.01	569.74	569.50	568.97	569.55	569.74
1960	569.62	569.82	569.95	570.53	570.97	571.28	571.35	571.37	571.07	570.48	569.63	569.53	570.47
1961	569.51	569.60	570.41	570.85	571.59	571.47	571.28	571.19	570.86	570.17	569.81	569.45	570.52
1962	569.35	569.62	569.94	570.20	570.44	570.58	570.42	570.28	569.96	569.62	569.71	569.10	569.94
1963	569.07	568.95	569.20	569.78	570.07	570.02	569.78	569.55	569.52	569.04	568.38	568.11	569.29
1964	568.28	568.41	568.75	569.58	569.70	569.66	569.53	569.26	569.02	568.43	567.96	568.17	568.90
1965	568.38	568.51	569.19	569.74	569.91	570.08	569.78	569.48	569.49	568.90	568.63	568.93	569.25
1966	569.21	569.53	569.65	570.34	570.57	570.59	570.51	570.22	569.95	569.11	569.20	569.61	569.87
1967	569.60	569.69	570.08	570.42	571.10	571.02	570.99	570.85	570.56	570.15	569.81	570.35	570.38
1968	570.58	570.70	570.85	571.06	571.36	571.41	571.44	571.29	570.98	570.07	570.18	569.83	570.81
1969	570.16	570.95	570.90	571.59	572.11	572.32	572.65	572.27	571.85	571.17	570.74	570.96	571.47
1970	570.53	570.47	570.74	571.32	571.51	571.69	571.58	571.48	571.18	571.04	570.66	570.72	571.08
1971	570.41	570.61	571.11	571.50	571.65	571.90	571.68	571.52	571.49	571.18	570.51	570.63	571.18
1972	570.59	570.84	571.32	572.05	572.43	572.26	572.44	572.25	572.19	571.87	572.13	572.15	571.88
1973	572.16	572.55	572.91	573.36	573.24	573.51	573.25	573.03	572.59	572.10	571.48	571.70	572.66
1974	571.91	572.30	572.99	573.03	573.35	573.25	573.11	572.80	572.26	571.73	571.46	571.83	572.50
1975	571.63	571.89	572.58	572.55	572.70	572.74	572.56	572.47	572.48	572.18	571.46	571.62	572.24
1976	571.46	571.66	572.66	572.99	572.91	572.86	572.76	572.67	572.06	571.53	570.64	570.42	572.05
1977	570.30	570.25	570.88	571.56	572.06	571.68	571.66	571.53	571.48	571.29	570.83	570.82	571.20
1978	571.04	571.24	571.49	572.39	572.50	572.24	572.02	571.64	571.37	570.87	570.67	570.08	571.46
1979	570.29	570.47	570.88	571.63	572.23	572.21	572.20	572.05	572.06	571.47	571.10	571.22	571.48

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 3085 : Toledo, Ohio on Lake Erie

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1980	571.47	571.48	571.71	572.47	572.48	572.51	572.45	572.53	572.25	571.44	571.08	570.95	571.90
1981	570.58	570.63	571.11	571.42	572.02	572.10	572.28	572.06	571.87	571.62	571.41	571.11	571.52
1982	570.80	571.27	571.77	572.25	572.44	572.37	572.18	571.76	571.37	571.01	570.83	571.15	571.60
1983	571.39	571.55	571.73	572.12	572.54	572.69	572.56	572.57	571.94	571.70	571.36	571.48	571.97
1984	571.51	571.69	572.16	572.46	572.26	572.60	572.45	572.29	571.98	571.87	571.31	571.16	571.98
1985	571.31	571.87	572.96	573.41	573.36	573.23	573.03	572.72	572.44	572.09	572.74	572.19	572.61
1986													
1987													
1988													
1989													
1990													
1991													
1992													
1993													
1994													
1995													
1996													
1997													
1998													
1999													
2000													
2001													
2002													
2003													
2004													
2005													
2006													
2007													
2008													
2009													



Station 3085 : Toledo, Ohio on Lake Erie

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
MONTHLY AVERAGE FOR PERIOD 1877 THRU 1985													
	569.93	570.00	570.27	570.83	571.15	571.22	571.17	571.00	570.68	570.24	569.82	569.83	570.51
MONTHLY AVERAGE FOR PERIOD 1900 THRU 1985													
	569.93	570.00	570.27	570.83	571.15	571.22	571.17	571.00	570.68	570.24	569.82	569.83	570.51
MONTHLY AVERAGE FOR PERIOD 1976 THRU 1985													
	571.02	571.21	571.74	572.27	572.48	572.45	572.36	572.18	571.88	571.49	571.20	571.06	571.78
HIGHEST MONTHLY AVERAGE FOR PERIOD 1877 THRU 1985													
LEVEL	572.16	572.55	572.99	573.41	573.36	573.51	573.25	573.03	572.59	572.18	572.74	572.19	572.66
YEAR	1973	1973	1974	1985	1985	1973	1973	1973	1973	1975	1985	1985	1973
LOWEST MONTHLY AVERAGE FOR PERIOD 1877 THRU 1985													
LEVEL	567.47	567.54	568.07	568.19	568.44	568.51	568.51	568.49	568.17	567.85	567.34	567.24	568.08
YEAR	1935	1935	1935	1934	1934	1934	1934	1934	1934	1934	1934	1934	1934
HIGHEST MONTHLY AVERAGE FOR PERIOD 1877 THRU 1985 .....573.51 JUN 1973													
LOWEST MONTHLY AVERAGE FOR PERIOD 1877 THRU 1985 .....567.24 DEC 1934													

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 3087 : Monroe, Michigan on Lake Erie

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1950													
1951													
1952													
1953													
1954													
1955													
1956													
1957													
1958													
1959													
1960													
1961													
1962													
1963													
1964													
1965													
1966													
1967													
1968													
1969													
1970													
1971													
1972													
1973													
1974													
1975									572.49	572.12	571.51	571.60	571.93
1976	571.44	571.67	572.71	572.93	572.91	572.86	572.75	572.64	572.05	571.52	570.71	570.20	572.03
1977	570.28	570.24	570.85	571.55	572.03	571.64	571.68	571.57	571.49	571.25	570.83	570.22	571.14
1978		571.16	571.40	572.35	572.49	572.27	572.04	571.69	571.37	571.24	570.67	570.18	571.53
1979	570.31	570.46	570.90	571.78	572.21	572.24	572.20	572.06	572.03	571.50	571.13	571.26	571.51

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 3087 : Monroe, Michigan on Lake Erie

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1980	571.54	571.50	571.62	572.45	572.50	572.53	572.48	572.59	572.28	571.47	571.09	570.92	571.91
1981	570.54	570.62	571.16	571.48	571.97	572.14	572.31	572.09	571.87	571.62	571.41	571.12	571.53
1982	570.82	571.22	571.71	572.27	572.44	572.38	572.24	571.80	571.30	571.02	570.83	571.15	571.60
1983	571.36	571.47	571.62	572.02	572.56	572.69	572.60	572.59	571.99	571.68	571.35	571.67	571.97
1984	571.47	571.64	572.13	572.44	572.30	572.64	572.49	572.15	572.01	571.86	571.34	571.21	571.97
1985	571.61	571.83	572.95	573.40	573.39	573.25	573.07	572.74	572.47	572.09	572.66	572.32	572.65
1986													
1987													
1988													
1989													
1990													
1991													
1992													
1993													
1994													
1995													
1996													
1997													
1998													
1999													
2000													
2001													
2002													
2003													
2004													
2005													
2006													
2007													
2008													
2009													

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

SUMMARY OF AVERAGE AND EXTREME LEVELS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 3087 : Monroe, Michigan on Lake Erie

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
MONTHLY AVERAGE FOR PERIOD 1975 THRU 1985													
	571.04	571.18	571.70	572.27	572.48	572.46	572.39	572.19	571.94	571.58	571.23	571.08	571.80
MONTHLY AVERAGE FOR PERIOD 1976 THRU 1985													
	571.04	571.18	571.70	572.27	572.48	572.46	572.39	572.19	571.89	571.52	571.20	571.02	571.78
HIGHEST MONTHLY AVERAGE FOR PERIOD 1975 THRU 1985													
LEVEL	571.61	571.83	572.95	573.40	573.39	573.25	573.07	572.74	572.49	572.12	572.66	572.32	572.65
YEAR	1985	1985	1985	1985	1985	1985	1985	1985	1975	1975	1985	1985	1985
LOWEST MONTHLY AVERAGE FOR PERIOD 1975 THRU 1985													
LEVEL	570.28	570.24	570.85	571.48	571.97	571.64	571.68	571.57	571.30	571.02	570.67	570.18	571.14
YEAR	1977	1977	1977	1981	1981	1977	1977	1977	1982	1982	1978	1978	1977
HIGHEST MONTHLY AVERAGE FOR PERIOD 1975 THRU 1985 .....573.40 APR 1985													
LOWEST MONTHLY AVERAGE FOR PERIOD 1975 THRU 1985 .....570.18 DEC 1978													

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

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

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1950													
1951													
1952													
1953													
1954													
1955													
1956													
1957													
1958													
1959													
1960													
1961													
1962													
1963													
1964	568.29	568.40	568.71	569.46	569.69	569.65	569.47	569.23	568.96	568.38	568.02	568.11	568.86
1965	568.30	568.43	569.10	569.60	569.87	569.96	569.74	569.48	569.47	568.92	568.70	568.94	569.21
1966	569.16	569.47	569.66	570.23	570.49	570.55	570.42	570.20	569.88	569.18	569.19	569.62	569.84
1967	569.64	569.65	569.96	570.52	570.99	570.98	570.98	570.83	570.49	570.18	569.87	570.31	570.37
1968	570.52	570.40	570.80	571.09	571.30	571.39	571.41	571.25	570.94	570.38	570.15	570.00	570.80
1969	570.31	570.97	570.77	571.57	572.08	572.31	572.58	572.30	571.80	571.15	570.79	570.91	571.46
1970	570.47	570.42	570.69	571.23	571.48	571.65	571.57	571.46	571.19	571.04	570.71	570.74	571.05
1971	570.45	570.61	571.10	571.48	571.68	571.87	571.66	571.51	571.43	571.16	570.54	570.67	571.18
1972	570.62	570.80	571.28	571.90	572.33	572.19	572.42	572.21	572.09	571.84	572.05	572.16	571.82
1973	572.25	572.52	572.87	573.30	573.23	573.52	573.33	573.00	572.52	572.08	571.53	571.71	572.66
1974	571.96	572.38	572.93	573.22	573.30	573.24	573.08	572.76	572.25	571.73	571.49	571.74	572.51
1975	571.68	571.87	572.47	572.47	572.62	572.73	572.52	572.41	572.41	572.09	571.52	571.57	572.20
1976	571.46	571.62	572.68	572.89	572.88	572.82	572.73	572.61	572.03	571.51	570.72	570.48	572.04
1977	570.27	570.23	570.89	571.54	571.99	571.63	571.64	571.51	571.45	571.25	570.83	570.87	571.18
1978	571.15	571.20	571.35	572.30	572.43	572.22	571.98	571.62	571.33	570.88	570.66	570.18	571.44
1979	570.28	570.42	570.86	571.78	572.16	572.20	572.14	572.00	571.98	571.50	571.14	571.26	571.48

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

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

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1980	571.49	571.43	571.62	572.41	572.44	572.48	572.43	572.51	572.24	571.46	571.07	570.92	571.88
1981	570.53	570.58	571.08	571.41	571.89	572.07	572.23	572.03	571.82	571.58	571.37	571.10	571.47
1982	570.81	571.19	571.64	572.24	572.37	572.32	572.15	571.74	571.34	571.01	570.86	571.17	571.57
1983	571.37	571.48	571.60	572.01	572.50	572.61	572.53	572.51	571.93	571.63	571.33	571.46	571.91
1984	571.45	571.58	572.08	572.41	572.23	572.56	572.44	572.25	571.96	571.82	571.33	571.20	571.94
1985	571.28	571.74	572.88	573.38	573.32	573.19	573.00	572.67	572.42	572.05	572.62	572.26	572.57
1986													
1987													
1988													
1989													
1990													
1991													
1992													
1993													
1994													
1995													
1996													
1997													
1998													
1999													
2000													
2001													
2002													
2003													
2004													
2005													
2006													
2007													
2008													
2009													

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

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---------------

MONTHLY AVERAGE FOR PERIOD 1963 THRU 1985

570.62	570.79	571.23	571.75	571.97	572.01	571.93	571.73	571.36	570.95	570.65	570.68	571.31
--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------

MONTHLY AVERAGE FOR PERIOD 1976 THRU 1985

571.01	571.15	571.67	572.24	572.42	572.41	572.33	572.14	571.85	571.47	571.19	571.09	571.75
--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------

HIGHEST MONTHLY AVERAGE FOR PERIOD 1963 THRU 1985

LEVEL	1973	1973	1974	1985	1985	1973	1973	1973	1975	1985	1985	1973	
YEAR	572.25	572.52	572.93	573.38	573.32	573.52	573.33	573.00	572.52	572.09	572.62	572.26	572.66

LOWEST MONTHLY AVERAGE FOR PERIOD 1963 THRU 1985

LEVEL	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1963
YEAR	568.29	568.40	568.71	569.46	569.69	569.65	569.47	569.23	568.96	568.38	568.02	568.11	568.82

HIGHEST MONTHLY AVERAGE FOR PERIOD 1963 THRU 1985 ....573.52 JUN 1973

LOWEST MONTHLY AVERAGE FOR PERIOD 1963 THRU 1985 .....568.02 NOV 1964

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 4020 : Gibraltar, Michigan on the Detroit River

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1890													
1891													
1892													
1893													
1894													
1895													
1896													
1897													
1898													
1899						570.99				570.11			570.11 570.99
1900													
1901													
1902													
1903													
1904													
1905													
1906													
1907													
1908													
1909					571.12	571.60	571.41						571.38
1910													
1911													
1912													
1913													
1914													
1915													
1916													
1917													
1918													
1919													



U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 4020 : Gibraltar, Michigan on the Detroit River

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1920													
1921													
1922													
1923													
1924													
1925													
1926													
1927													
1928													
1929													
1930					572.17	571.97	571.79	571.39	570.94	570.53			571.46
1931													
1932						570.20	570.00	569.86	569.58	569.01			569.73
1933						570.35	570.25	569.96	569.50	569.00			569.81
1934													
1935													
1936													570.42
1937					570.47	570.71	570.88	570.75	570.16	569.57			570.16
1938						570.63	570.68	570.62	570.37	570.05	569.53	569.27	569.99
1939	569.42	569.19	569.57	570.19	570.64	570.74	570.72	570.57	570.30	569.80	569.56	569.21	569.99
1940					570.18	570.47	570.66	570.62	570.30	570.13	569.41	569.57	570.17
1941	569.85	569.33	569.20	569.64	569.79	570.06	569.98	569.82	569.55	569.18	568.77	568.82	569.50
1942	568.79	568.82	569.07	570.13	570.49	570.87	570.88	570.83	570.41	570.35	570.02	569.85	570.04
1943	570.32	569.87	570.26	570.73	571.71	572.30	572.40	572.14	571.73	571.43	570.90	570.49	571.19
1944	570.10	569.99	570.16	571.03	571.59	571.69	571.56	571.32	570.98	570.64	570.27	569.96	570.77
1945	569.99	569.70	570.33	570.97	571.40	571.95	572.01	571.83	571.61	571.49	571.13	570.94	571.11
1946	570.81	570.31	570.85	570.99	571.21	571.75	571.86	571.46	571.09	570.69	570.23	569.76	570.92
1947	569.73	569.70	569.60	571.10	571.93	572.54	572.27	572.16	571.92	571.49	570.89	570.61	571.16
1948	570.70	570.50	570.89	571.68	572.00	572.11	572.03	571.67	571.34	570.69	570.34	570.05	571.17
1949	570.11	570.37	570.53	570.74	570.93	571.01	570.95	570.67	570.13	569.96	569.31	569.30	570.33

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 4020 : Gibraltar, Michigan on the Detroit River

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1950	569.93	570.53	570.57	571.37	571.60	571.37	571.27	570.95	570.87	570.60	570.13	570.69	570.82
1951	570.66	570.76	571.38	571.89	572.19	572.25	572.13	571.87	571.47	571.20	570.91	571.04	571.48
1952	571.53	572.14	572.38	572.79	572.88	572.95	572.74	572.55	572.19	571.48	570.94	570.99	572.13
1953	571.18	571.06	571.39	571.61	572.05	572.33	572.26	572.12	571.64	571.33	570.86	569.80	571.47
1954	570.43	570.36	570.69	571.73	571.98	571.96	571.89	571.66	571.36	571.51	571.43	571.34	571.36
1955	571.53	571.43	571.70	572.27	572.30	572.22	572.07	571.83	571.50	571.03	570.43	570.35	571.56
1956	570.04	569.54	570.19	570.66	571.55	571.77	571.78	571.66	571.44	571.00	570.15	570.10	570.82
1957	569.85	569.89	570.13	570.77	571.22	571.24	571.49	571.16	570.67	570.37	569.70	569.94	570.54
1958	569.85	569.33	569.57	569.81	569.99	570.14	570.40	570.33	570.11	569.65	569.16	569.10	569.79
1959	568.84	569.28	569.66	570.30	570.78	570.73	570.48	570.28	570.00	569.82	569.37	569.68	569.94
1960	569.88	569.91	570.10	570.70	571.14	571.46	571.52	571.56	571.27	570.74	570.09	569.85	570.68
1961	569.82	569.82	570.52	570.94	571.69	571.63	571.48	571.37	571.10	570.44	570.06	569.71	570.72
1962	569.70	569.71	570.07	570.33	570.51	570.67	570.57	570.47	570.12	569.90	569.86	569.45	570.11
1963	569.38	569.20	569.42	569.95	570.19	570.14	569.92	569.77	569.62	569.24	568.74	568.55	569.51
1964	568.58	568.59	568.92	569.62	569.83	569.84	569.71	569.50	569.24	568.68	568.34	568.41	569.10
1965	568.57	568.68	569.30	569.77	570.06	570.18	569.98	569.75	569.74	569.24	568.96	569.20	569.45
1966	569.42	569.66	569.84	570.40	570.67	570.78	570.68	570.45	570.14	569.47	569.47	569.88	570.07
1967	569.91	569.95	570.16	570.71	571.16	571.20	571.21	571.06	570.73	570.45	570.15	570.54	570.60
1968	570.75	570.90	570.94	571.26	571.48	571.58	571.65	571.45	571.20	570.67	570.41	570.31	571.05
1969	570.67	571.12	570.95	571.71	572.22	572.48	572.76	572.50	572.01	571.40	571.04	571.08	571.66
1970	570.66	570.61	570.84	571.40	571.66	571.84	571.77	571.67	571.42	571.26	570.95	570.94	571.25
1971	570.76	570.84	571.26	571.61	571.83	572.06	571.89	571.75	571.66	571.39	570.79	570.89	571.39
1972	570.91	571.04	571.45	572.02	572.46	572.36	572.61	572.44	572.32	572.06	572.22	572.32	572.02
1973	572.40	572.68	572.98	573.42	573.38	573.68	573.50	573.18	572.71	572.30	571.72	571.89	572.82
1974	572.17	572.51	573.03	573.33	573.43	573.38	573.25	572.95	572.44	571.92	571.68	571.94	572.67
1975	571.91	572.05	572.59	572.60	572.76	572.91	572.73	572.62	572.61	572.26	571.75	571.73	572.38
1976	571.66	571.81	572.86	573.01	573.02	572.99	572.89	572.78	572.22	571.71	570.96	570.76	572.22
1977	570.64	570.57	571.02	571.68	572.11	571.82	571.85	571.73	571.65	571.43	571.03	571.20	571.39
1978	571.37	571.53	571.55	572.40	572.56	572.40	572.19	571.85	571.57	571.15	570.90	570.46	571.66
1979	570.66	570.73	571.04	571.91	572.29	572.37	572.35	572.24	572.20	571.75	571.41	571.49	571.70

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 4020 : Gibraltar, Michigan on the Detroit River

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1980	571.74	571.66	571.77	572.56	572.59	572.65	572.61	572.72	572.44	571.67	571.29	571.12	572.07
1981	570.73	570.88	571.26	571.61	572.03	572.27	572.44	572.25	572.03	571.83	571.57	571.31	571.68
1982	571.22	571.47	571.83	572.37	572.51	572.48	572.37	571.96	571.58	571.26	571.12	571.42	571.80
1983	571.57	571.64	571.75	572.17	572.67	572.79	572.76	572.74	572.19	571.87	571.57	571.82	572.13
1984	571.76	571.78	572.23	572.50	572.39	572.76	572.66	572.50	572.24	572.07	571.61	571.45	572.16
1985	571.64	572.10	573.05	573.55	573.47	573.36	573.23	572.94	572.71	572.32	572.81	572.62	572.82
1986													
1987													
1988													
1989													
1990													
1991													
1992													
1993													
1994													
1995													
1996													
1997													
1998													
1999													
2000													
2001													
2002													
2003													
2004													
2005													
2006													
2007													
2008													
2009													

Station 4020 : Gibraltar, Michigan on the Detroit River

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
MONTHLY AVERAGE FOR PERIOD 1899 THRU 1985													
	570.48	570.51	570.84	571.39	571.65	571.68	571.65	571.47	571.16	570.77	570.50	570.44	571.04
MONTHLY AVERAGE FOR PERIOD 1900 THRU 1985													
	570.48	570.51	570.84	571.39	571.65	571.70	571.65	571.47	571.16	570.78	570.50	570.44	571.05
MONTHLY AVERAGE FOR PERIOD 1976 THRU 1985													
	571.30	571.42	571.84	572.38	572.56	572.59	572.54	572.37	572.08	571.71	571.43	571.36	571.96
HIGHEST MONTHLY AVERAGE FOR PERIOD 1899 THRU 1985													
LEVEL	572.40	572.68	573.05	573.55	573.47	573.68	573.50	573.18	572.71	572.32	572.81	572.62	572.82
YEAR	1973	1973	1985	1985	1985	1973	1973	1973	1985	1985	1985	1985	1973
LOWEST MONTHLY AVERAGE FOR PERIOD 1899 THRU 1985													
LEVEL	568.57	568.59	568.92	569.62	569.79	569.84	569.71	569.50	569.24	568.68	568.34	568.41	569.10
YEAR	1965	1964	1964	1964	1941	1964	1964	1964	1964	1964	1964	1964	1964

HIGHEST MONTHLY AVERAGE FOR PERIOD 1899 THRU 1985 .....573.68 JUN 1973

LOWEST MONTHLY AVERAGE FOR PERIOD 1899 THRU 1985 .....568.34 NOV 1964

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 4030 : Wyandotte, Michigan on the Detroit River

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1920													
1921													
1922													
1923													
1924													
1925													
1926													
1927													
1928													
1929													
1930					573.04	573.00	572.97	572.69	572.30	571.97			572.66
1931													
1932													
1933					571.63	571.64	571.59	571.36	570.96	570.58			571.29
1934					570.46	570.55	570.70	570.35	570.12	569.85			570.34
1935					570.48	570.61	570.86	570.88	570.54	570.33			570.62
1936					570.88	570.93	570.78	570.58	570.60		570.12		570.65
1937					571.56	571.70	571.86	571.76	571.28	570.77	570.33		571.32
1938					571.64	571.82	571.97	572.01	571.80	571.53	571.13		571.70
1939					571.84	572.01	572.18	572.06	571.84	571.48	571.25		571.81
1940													
1941						571.40	571.32	571.24	571.04				571.25
1942													
1943													
1944					572.80	572.89	572.82	572.61	572.34	572.11			572.60
1945													
1946					572.54	573.02	573.13	572.75	572.42	572.05			572.65
1947					573.01	573.56	573.44	573.36	573.16	572.78	572.26		573.08
1948					573.27	573.29	573.23	572.91	572.60	572.00			572.88
1949					572.12	572.16	572.22	571.98	571.49	571.32			571.88

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 4030 : Wyandotte, Michigan on the Detroit River

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1950					572.56	572.44	572.46	572.20	572.19	571.96			572.30
1951						573.46	573.44	573.25	572.95	572.77			573.17
1952												572.50	572.50
1953	572.65	572.45	572.71	572.90	573.31	573.68	573.67	573.52	573.17	572.84	572.72	572.06	572.97
1954	571.58	571.43	572.25	572.98	573.17	573.21	573.25	573.05	572.79	573.05	572.98	572.77	572.71
1955	572.92	572.67	572.99	573.33	573.42	573.39	573.30	573.09	572.70	572.38	572.03	571.46	572.81
1956					572.75	572.92	572.93	572.84	572.63	572.25	571.53		572.55
1957					572.35	572.44	572.71	572.42	572.10	571.72	571.19	571.33	572.03
1958	570.79		571.00	571.00	571.31	571.45	571.69	571.60	571.42	571.03	570.76	570.78	571.17
1959		570.30		571.49	571.84	571.89	571.68	571.51	571.27	571.15	570.93	571.08	571.31
1960	570.93	570.86	571.47	572.11	572.38	572.74	572.83	572.88	572.65	572.21	571.65	571.56	572.02
1961													
1962				571.66	571.75	571.88	571.82	571.72	571.43	571.19	571.15	570.68	571.48
1963	570.38	569.82	570.14	571.16	571.38	571.35	571.17	571.04	570.91	570.55	570.13	570.15	570.68
1964	569.68	569.59	570.08	570.66	570.90	570.89	570.78	570.65	570.42	569.97	569.68	569.71	570.25
1965	569.59	569.75	570.32	570.68	571.16	571.28	571.15	571.04	571.01	570.70	570.45	570.73	570.66
1966	570.84	570.89	571.12	571.61	571.85	571.92	571.86	571.63	571.39	570.77	570.82	571.24	571.33
1967	571.28	571.04	571.15	571.90	572.18	572.32	572.38	572.24	571.96	571.71	571.49	571.81	571.79
1968	571.94	572.26	572.05	572.35	572.56	572.73	572.82	572.71	572.49	572.07	571.87	571.82	572.31
1969	572.28	572.33	572.23	572.91	573.35	573.58	573.89	573.69	573.29	572.77	572.49	572.47	572.94
1970	571.72	571.91	572.21	572.66	572.88	573.09	573.07	573.00	572.80	572.63	572.39	572.41	572.56
1971	572.46	572.29	572.64	572.94	573.12	573.35	573.25	573.17	573.08	572.80	572.33	572.40	572.82
1972	572.55	572.68	572.77	573.21	573.62	573.61	573.83	573.75	573.71	573.49	573.54	573.64	573.37
1973	573.75	573.83	574.22	574.50	574.50	574.79	574.69	574.45	574.03	573.68	573.24	573.32	574.08
1974	573.76	573.80	574.22	574.36	574.57	574.54	574.50	574.25	573.82	573.33	573.12	573.25	573.96
1975	573.27	573.34	573.69	573.83	573.95	574.14	574.01	573.93	573.94	573.56	573.10	573.09	573.65
1976	573.25	573.01	574.01	574.15	574.22	574.19	574.17	574.04	573.55	573.07	572.39	572.24	573.52
1977	572.10	572.27	572.37			572.97	572.98	572.91	572.88	572.72	572.37	572.76	572.63
1978	572.95	573.10	572.95	573.45	573.56	573.47	573.32	573.08	572.89	572.57	572.31	571.95	572.97
1979	572.51	572.29	572.48	573.25	573.53	573.62	573.67	573.59	573.54	573.11	572.84	572.92	573.11

Station 4030 : Wyandotte, Michigan on the Detroit River

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1980	573.07	573.11	573.04	573.73	573.74	573.84	573.83	573.92	573.70	573.07	572.69	572.59	573.36
1981	571.90	572.46	572.65	572.90	573.30	573.47	573.66	573.51	573.39	573.21	572.92	572.68	573.00
1982	572.64	572.84	573.16	573.47	573.52	573.58	573.51	573.21	572.89	572.59	572.52	572.79	573.06
1983	572.86	572.86	573.02	573.41	573.88	574.01	574.03	574.01	573.54	573.25	573.02	573.32	573.43
1984	573.24	573.22	573.61	573.00	573.61	573.98	573.96	573.86	573.64	573.46	573.12	572.96	573.47
1985	573.28	573.70	574.30	574.68	574.64	574.59	574.50	574.29	574.12	573.78	574.23	574.28	574.20
1986													
1987													
1988													
1989													
1990													
1991													
1992													
1993													
1994													
1995													
1996													
1997													
1998													
1999													
2000													
2001													
2002													
2003													
2004													
2005													
2006													
2007													
2008													
2009													

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

SUMMARY OF AVERAGE AND EXTREME LEVELS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 4030 : Wyandotte, Michigan on the Detroit River

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
MONTHLY AVERAGE FOR PERIOD 1930 THRU 1985													
	572.15	572.15	572.46	572.77	572.67	572.78	572.79	572.64	572.39	572.13	571.98	572.15	572.42
MONTHLY AVERAGE FOR PERIOD 1976 THRU 1985													
	572.78	572.89	573.16	573.56	573.78	573.77	573.76	573.64	573.41	573.08	572.84	572.85	573.29
HIGHEST MONTHLY AVERAGE FOR PERIOD 1930 THRU 1985													
LEVEL	573.76	573.83	574.30	574.68	574.64	574.79	574.69	574.45	574.12	573.78	574.23	574.28	574.20
YEAR	1974	1973	1985	1985	1985	1973	1973	1973	1985	1985	1985	1985	1985
LOWEST MONTHLY AVERAGE FOR PERIOD 1930 THRU 1985													
LEVEL	569.59	569.59	570.08	570.66	570.46	570.55	570.70	570.35	570.12	569.85	569.68	569.71	570.25
YEAR	1965	1964	1964	1964	1934	1934	1934	1934	1934	1934	1964	1964	1964
HIGHEST MONTHLY AVERAGE FOR PERIOD 1930 THRU 1985 ....574.79 JUN 1973													
LOWEST MONTHLY AVERAGE FOR PERIOD 1930 THRU 1985 .....569.59 FEB 1964													



U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 4035 : Fort Wayne, Detroit, Michigan on the Detroit River

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1890													
1891													
1892													
1893													
1894													
1895													
1896													
1897													
1898													
1899													
1900													
1901							572.35	572.39	572.24	571.89	571.53		572.08
1902							572.93	572.84	572.56	572.31			572.66
1903													
1904													
1905										572.45	572.15	572.07	572.22
1906	572.18	571.68	571.47	572.23	572.53	572.77	572.93	572.89	572.69	572.45	572.30	572.31	572.37
1907	572.48	572.31	572.09	572.58	572.78	573.18	573.28	573.16	572.91	572.78	572.43	572.30	572.69
1908	572.20	571.66	572.54	573.01	573.36	573.52	573.53	573.45	573.04	572.71	572.09	571.83	572.74
1909	571.78	571.21	571.25	572.29	573.06	573.29	573.23	573.13	572.81	572.19	572.05	572.49	572.40
1910	571.87	571.38	572.11	572.33	572.68	572.80	572.75	572.54	572.41	572.20	571.80	571.56	572.20
1911	570.66	570.55	571.13	571.90	572.04	572.23	572.12	572.08	571.93	571.87	571.44	571.67	571.64
1912	571.90	571.77	572.22	572.44	572.58	572.71	572.57	572.53	572.58	572.25	572.01	571.73	572.27
1913	572.31	571.94	572.13	573.51	573.54	573.49	573.38	573.19	572.76	572.43	572.22	572.02	572.74
1914	571.46	571.53	571.30	571.98	572.65	572.79	572.78	572.59	572.41	572.13	571.56	572.20	572.12
1915	570.94	571.48	570.93	571.41	571.68	571.90	572.11	572.32	572.23	571.94	571.44	571.41	571.65
1916	571.96	571.84	571.43	572.19	572.67	573.17	573.20	572.94	572.50	572.18	572.03	572.41	572.38
1917	572.47	571.92	571.97	572.61	572.84	573.39	573.81	573.62	573.35	572.85	572.85	572.91	572.88
1918	571.37	571.85	571.78	571.29	572.43	572.85	572.97	572.95	572.74	572.56	572.28	572.39	572.29
1919	572.93	572.10	572.45	572.95	573.48	573.61	573.40	573.08	572.74	572.52	572.12	571.81	572.77

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 4035 : Fort Wayne, Detroit, Michigan on the Detroit River

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1920	570.46	570.74	571.11	571.79	572.31	572.52	572.69	572.78	572.52	572.22	571.95	571.88	571.91
1921	572.02	571.03	571.85	572.56	572.80	572.88	572.77	572.47	572.20	571.83	571.71	571.66	572.15
1922	571.36	570.79	571.28	572.23	572.53	572.74	572.75	572.57	572.41	571.95	571.41	571.25	571.94
1923	571.16	570.69	570.92	571.39	571.80	571.98	572.13	571.86	571.72	571.40	571.08	571.15	571.44
1924	571.38	570.76	570.80	571.51	571.87	572.10	572.27	572.15	571.94	571.70	570.98	570.78	571.52
1925	570.44	570.20	570.72	571.11	571.05	571.09	571.14	571.10	570.96	570.47	570.34	570.12	570.73
1926	569.41	569.33	569.76	570.38	570.83	571.09	571.24	571.34	571.37	571.39	571.18	571.34	570.72
1927	570.49	570.04	570.59	571.47	571.69	572.03	572.17	572.03	571.68	571.43	571.11	571.41	571.34
1928	571.38	571.06	570.66	571.66	572.01	572.38	572.75	572.72	572.32	572.14	572.02	572.08	571.93
1929	572.56	572.94	572.68	573.44	573.99	574.03	574.11	573.87	573.53	573.10	572.69	572.74	573.31
1930	572.94	572.72	573.20	573.48	573.49	573.41	573.40	573.10	572.70	572.29	571.78	571.59	572.84
1931	571.31		569.99	571.07	571.40	571.61	571.68	571.55	571.25	570.98	570.67	570.65	571.11
1932	571.03	571.27	570.68	571.23	571.58	571.62	571.51	571.35	571.24	570.91	570.85	571.29	571.21
1933	570.85	570.34	570.75	571.57	571.97	571.98	571.95	571.73	571.31	570.93	570.56	570.63	571.21
1934	569.66	569.75	569.67	570.56	570.80	570.91	571.06	570.73	570.49	570.24	569.97	570.06	570.32
1935	570.18	569.44	570.08	570.57	570.86	571.01	571.25	571.24	570.93	570.63	570.51	570.40	570.59
1936	569.28	569.79	570.53	570.93	571.19	571.26	571.13	570.90	570.91	570.69	570.36	570.34	570.61
1937	570.77	570.67	570.90	571.43	571.85	572.01	572.17	572.08	571.64	571.11	570.65	571.20	571.37
1938	570.35	570.90	570.77	571.84	572.00	572.20	572.30	572.28	572.05	571.82	571.37	571.20	571.59
1939	571.36	570.16	570.72	571.90	572.19	572.38	572.45	572.32	572.15	571.76	571.50	571.22	571.68
1940	570.72	570.43	570.48	571.51	571.75	572.04	572.25	572.21	572.02	571.88	571.33	571.44	571.50
1941	571.22	570.59	570.74	571.28	571.54	571.79	571.69	571.52	571.31	571.15	570.90	570.92	571.22
1942	570.73	569.89	570.72	572.01	572.19	572.67	572.68	572.61	572.33	572.18	571.94	571.83	571.82
1943	571.73	571.35	572.01	572.53	573.39	573.81	573.99	573.85	573.55	573.22	572.84	572.61	572.91
1944	571.33	571.57	571.74	572.82	573.21	573.29	573.25	573.06	572.82	572.60	572.24	572.09	572.50
1945	571.95	571.53	572.27	572.63	573.17	573.53	573.68	573.48	573.29	573.29	572.85	573.17	572.90
1946	572.46	571.53	572.64	572.83	572.98	573.49	573.56	573.23	572.87	572.51	572.11	571.76	572.66
1947	571.43	571.44	571.66	572.96	573.48	574.00	573.94	573.83	573.64	573.28	572.78	572.57	572.92
1948	572.39	572.37	572.68	573.30	573.71	573.68	573.63	573.35	573.03	572.44	572.06	571.90	572.88
1949	572.06	572.17	571.78	572.39	572.50	572.57	572.60	572.37	571.87	571.71	571.13	571.13	572.02

Station 4035 : Fort Wayne, Detroit, Michigan on the Detroit River

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1950	571.66	571.76	571.82	572.81	572.90	572.81	572.86	572.64	572.60	572.40	572.03	572.48	572.40
1951	572.20	572.38	572.96	573.42	573.73	573.84	573.87	573.72	573.44	573.29	573.09	573.59	573.29
1952	573.92	573.79	574.07	574.49	574.53	574.66	574.58	574.50	574.22	573.64	573.13	573.07	574.05
1953	573.19	573.00	573.29	573.49	573.84	574.13	574.16	574.04	573.68	573.38	572.90	572.52	573.47
1954	571.99	571.77	572.79	573.45	573.65	573.75	573.78	573.59	573.36	573.63	573.46	573.29	573.21
1955	573.42	573.10	573.54	573.83	573.92	573.95	573.79	573.59	573.25	572.82	572.32	572.24	573.31
1956	570.86	570.46	571.76	572.44	573.30	573.31	573.39	573.32	573.09	572.67	572.01	571.92	572.38
1957	571.25	571.26	571.84	572.36	572.69	572.70	573.06	572.76	572.48	572.15	571.68	571.79	572.17
1958	571.02	570.51	571.35	571.24	571.67	571.83	572.03	571.90	571.77	571.37	570.92	571.14	571.40
1959	570.13	570.48	571.17	571.82	572.17	572.22	572.00	571.86	571.64	571.53	571.28	571.52	571.48
1960	571.54	571.20	571.65	572.40	572.77	573.16	573.25	573.32	573.10	572.70	572.13	572.16	572.45
1961	571.82	571.72	572.26	572.60	573.13	573.10	573.03	572.96	572.72	572.24	571.91	571.68	572.43
1962	571.75	570.84	571.85	572.05	572.24	572.39	572.29	572.17	571.90	571.67	571.58	571.34	571.84
1963	571.06	570.73	571.10	571.54	571.75	571.76	571.59	571.46	571.33	570.97	570.57	570.59	571.20
1964	570.01	569.92	570.44	570.99	571.26	571.26	571.18	571.05	570.86	570.40	570.12	570.16	570.64
1965	570.03	570.12	570.80	571.32	571.59	571.75	571.60	571.48	571.47	571.22	571.02	571.21	571.13
1966	571.34	571.35	571.65	572.09	572.32	572.40	572.34	572.15	571.87	571.29	571.25	571.67	571.81
1967	571.73	571.46	571.76	572.36	572.66	572.83	572.90	572.75	572.48	572.22	572.07	572.33	572.30
1968	572.41	572.68	572.51	572.73	572.94	573.12	573.27	573.14	572.95	572.55	572.35	572.33	572.75
1969	572.73	572.75	572.68	573.33	573.78	573.99	574.33	574.15	573.73	573.26	572.97	572.91	573.38
1970	572.07	572.26	572.61	573.07	573.30	Station Relocated						572.66	
1971						Station Relocated							
1972						Station Relocated							
1973						Station Relocated							
1974						Station Relocated							
1975						Station Relocated							
1976						Station Relocated							
1977						Station Relocated							
1978						Station Relocated							
1979						Station Relocated							

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

SUMMARY OF AVERAGE AND EXTREME LEVELS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 4035 : Fort Wayne, Detroit, Michigan on the Detroit River

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
MONTHLY AVERAGE FOR PERIOD 1901 THRU 1970													
	571.49	571.29	571.59	572.20	572.53	572.70	572.74	572.60	572.36	572.07	571.73	571.75	572.09
MONTHLY AVERAGE FOR PERIOD 1961 THRU 1970													
	571.50	571.38	571.77	572.21	572.50	572.51	572.50	572.37	572.15	571.76	571.54	571.58	571.98
HIGHEST MONTHLY AVERAGE FOR PERIOD 1901 THRU 1970													
LEVEL	573.92	573.79	574.07	574.49	574.53	574.66	574.58	574.50	574.22	573.64	573.46	573.59	574.05
YEAR	1952	1952	1952	1952	1952	1952	1952	1952	1952	1952	1954	1951	1952
LOWEST MONTHLY AVERAGE FOR PERIOD 1901 THRU 1970													
LEVEL	569.28	569.33	569.67	570.38	570.80	570.91	571.06	570.73	570.49	570.24	569.97	570.06	570.32
YEAR	1936	1926	1934	1926	1934	1934	1934	1934	1934	1934	1934	1934	1934
HIGHEST MONTHLY AVERAGE FOR PERIOD 1901 THRU 1970 ....574.66 JUN 1952													
LOWEST MONTHLY AVERAGE FOR PERIOD 1901 THRU 1970 .....569.28 JAN 1936													

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

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1950													
1951													
1952													
1953													
1954													
1955													
1956													
1957													
1958													
1959													
1960													
1961													
1962													
1963													
1964													
1965													
1966													
1967													
1968													
1969													
1970	572.13	572.30	572.65	573.07	573.30	573.53	573.53	573.46	573.28	573.12	572.93	572.90	573.02
1971	572.97	572.79	573.12	573.40	573.58	573.82	573.74	573.68	573.59	573.31	572.84	572.88	573.31
1972	573.05	573.14	573.21	573.61	574.02	574.05	574.26	574.21	574.17	573.97	574.08	574.11	573.82
1973	574.23	574.27	574.67	574.91	574.92	575.22	575.15	574.93	574.57	574.20	573.77	573.85	574.56
1974	574.25	574.28	574.72	574.89	575.02	574.98	574.98	574.73	574.33	573.87	573.62	573.72	574.45
1975	573.76	573.83	574.10	574.25	574.38	574.58	574.47	574.40	574.41	574.01	573.58	573.56	574.11
1976	573.84	573.55	574.43	574.57	574.68	574.65	574.65	574.50	574.03	573.57	572.90	572.73	574.01
1977	573.00	573.07	572.86	573.32	573.55	573.36	573.38	573.30	573.28	573.13	572.80	573.21	573.19
1978	573.77	573.70	573.37	573.82	573.90	573.84	573.71	573.48	573.32	573.03	572.77	572.41	573.43
1979	573.23	573.26	572.96	573.72	573.96	574.06	574.13	574.05	574.00	573.61	573.34	573.42	573.64

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

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

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1980	573.58	573.55	573.47	574.11	574.10	574.26	574.26	574.33	574.15	573.62	573.17	573.06	573.80
1981	572.45	573.13	573.10	573.33	573.71	573.87	574.06	573.94	573.85	573.69	573.37	573.13	573.47
1982	573.41	573.34	573.57	573.85	573.87	573.94	573.89	573.63	573.34	573.05	572.99	573.26	573.51
1983	573.31	573.30	573.46	573.91	574.27	574.42	574.42	574.42	574.02	573.73	573.50	573.93	573.89
1984	574.03	573.73	574.12	573.18	574.02	574.41	574.42	574.33	574.14	573.97	573.66	573.47	573.96
1985	573.93	574.28	574.76	575.11	575.08	575.05	574.97	574.78	574.64	574.32	574.73	574.85	574.71
1986													
1987													
1988													
1989													
1990													
1991													
1992													
1993													
1994													
1995													
1996													
1997													
1998													
1999													
2000													
2001													
2002													
2003													
2004													
2005													
2006													
2007													
2008													
2009													

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

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
MONTHLY AVERAGE FOR PERIOD 1970 THRU 1985													
	573.43	573.47	573.66	573.94	574.15	574.25	574.25	574.14	573.94	573.64	573.38	573.41	573.80
MONTHLY AVERAGE FOR PERIOD 1976 THRU 1985													
	573.46	573.49	573.61	573.89	574.11	574.19	574.19	574.08	573.88	573.57	573.32	573.35	573.76
HIGHEST MONTHLY AVERAGE FOR PERIOD 1970 THRU 1985													
LEVEL	574.25	574.28	574.76	575.11	575.08	575.22	575.15	574.93	574.64	574.32	574.73	574.85	574.71
YEAR	1974	1985	1985	1985	1985	1973	1973	1973	1985	1985	1985	1985	1985
LOWEST MONTHLY AVERAGE FOR PERIOD 1970 THRU 1985													
LEVEL	572.13	572.30	572.65	573.07	573.30	573.36	573.38	573.30	573.28	573.03	572.77	572.41	573.02
YEAR	1970	1970	1970	1970	1970	1977	1977	1977	1977	1978	1978	1978	1970
HIGHEST MONTHLY AVERAGE FOR PERIOD 1970 THRU 1985 .....575.22 JUN 1973													
LOWEST MONTHLY AVERAGE FOR PERIOD 1970 THRU 1985 .....572.13 JAN 1970													

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

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

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1890													
1891													
1892													
1893													
1894													
1895													
1896													
1897													
1898	572.38	571.79	572.94	573.19	573.29	573.44	573.48	573.28	573.08	572.82	572.83	572.69	572.93
1899	572.66	572.30	571.84	572.50	573.05	573.38	573.45	573.36	573.05	572.76	572.58	572.18	572.76
1900	572.10	572.30	572.72	572.84	572.98	573.16	573.19	573.23	573.06	572.92	572.69	572.59	572.82
1901	572.18	571.23	571.50	570.86	572.16	572.98	573.21	573.22	573.06	572.74	572.48	572.65	572.36
1902	571.48	571.13	572.12	572.39	572.72	573.04	573.67	573.58	573.25	573.08	572.79	572.81	572.67
1903	572.86	572.57	572.92	573.48	573.44	573.55	573.60	573.52	573.46	573.21	572.71	573.11	573.20
1904	571.86	572.04	573.04	573.80	573.79	574.10	574.15	574.00	573.78	573.49	573.12	573.07	573.35
1905	571.95	571.68	572.05	572.93	573.31	573.86	574.00	573.94	573.72	573.38	573.04	572.93	573.07
1906	573.03	572.16	572.17	573.05	573.37	573.59	573.75	573.71	573.47	573.25	573.16	573.05	573.15
1907	573.10	572.82	572.76	573.40	573.63	573.97	574.09	573.95	573.71	573.60	573.24	573.13	573.45
1908	572.88	572.17	573.22	573.74	574.07	574.25	574.29	574.23	573.88	573.51	572.87	572.61	573.48
1909	572.48	571.65	571.78	573.01	573.85	574.01	573.99	573.86	573.51	572.98	572.85	573.45	573.12
1910	572.53	571.76	572.89	573.06	573.40	573.52	573.49	573.25	573.15	572.92	572.59	572.19	572.90
1911	571.12	570.99	571.81	572.49	572.65	572.88	572.78	572.69	572.51	572.48	572.18	572.29	572.24
1912	572.51	572.50	572.89	573.15	573.25	573.38	573.32	573.26	573.34	573.06	572.89	572.60	573.01
1913	573.08	572.39	572.72	574.26	574.23	574.21	574.16	573.98	573.49	573.14	573.03	572.87	573.46
1914	572.21	572.14	571.87	572.70	573.39	573.53	573.54	573.35	573.17	572.87	572.28	573.01	572.84
1915	571.36	572.05	571.55	572.15	572.43	572.59	572.83	573.05	572.92	572.64	572.18	572.14	572.32
1916	572.72	572.39	571.81	572.86	573.37	573.92	573.79	573.72	573.53	573.00	572.79	573.16	573.09
1917	573.34	572.79	572.77	573.49	573.65	574.22	574.63	574.50	574.16	573.68	573.67	573.45	573.70
1918	571.97	572.48	572.46	572.80	573.31	573.80	573.89	573.84	573.67	573.42	573.24	573.29	573.18
1919	573.80	572.93	573.31	573.80	574.30	574.37	574.16	573.84	573.53	573.31	573.02	572.54	573.58



U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

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

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1920	571.02	571.33	571.92	572.72	573.16	573.34	573.55	573.58	573.36	573.06	572.79	572.69	572.71
1921	572.90	571.44	572.66	573.33	573.55	573.61	573.54	573.21	572.91	572.57	572.47	572.50	572.89
1922	572.00	571.31	572.01	573.07	573.24	573.45	573.49	573.32	573.18	572.68	572.20	572.11	572.67
1923	571.69	571.06	571.61	572.13	572.54	572.70	572.86	572.60	572.48	572.18	571.89	571.96	572.14
1924	572.02	571.14	571.49	572.15	572.54	572.71	572.92	572.81	572.63	572.36	571.72	571.47	572.16
1925	571.04	570.70	571.40	571.75	571.73	571.72	571.80	571.76	571.58	571.19	571.05	570.82	571.38
1926	569.83	569.65	570.27	571.09	571.60	571.78	571.93	572.00	572.00	572.09	571.91	572.04	571.35
1927	570.87	570.40	571.18	572.17	572.42	572.75	572.91	572.76	572.38	572.14	571.80	572.13	571.99
1928	572.03	571.54	571.17	572.44	572.81	573.13	573.51	573.48	573.13	572.99	572.95	572.97	572.68
1929	573.34	573.75	573.62	574.37	574.93	574.95	575.03	574.79	574.43	574.00	573.66	573.49	574.20
1930	573.55	573.26	574.03	574.28	574.28	574.19	574.23	573.95	573.57	573.22	572.66	572.46	573.64
1931	571.90	570.51	570.45	571.86	572.18	572.33	572.39	572.23	571.92	571.70	571.43	571.42	571.69
1932	571.86	572.00	571.18	571.92	572.26	572.29	572.19	572.00	571.91	571.55	571.51	571.96	571.89
1933	571.51	570.86	571.37	572.20	572.57	572.64	572.60	572.34	571.93	571.54	571.19	571.24	571.83
1934	570.01	570.19	570.10	571.19	571.45	571.53	571.69	571.38	571.15	570.92	570.63	570.77	570.92
1935	570.71	569.83	570.67	571.25	571.54	571.65	571.89	571.85	571.53	571.22	571.13	570.96	571.19
1936	569.70	570.51	571.21	571.65	571.90	571.96	571.83	571.61	571.63	571.47	571.12	571.10	571.31
1937	571.55	571.12	571.54	572.15	572.54	572.63	572.76	572.64	572.23	571.76	571.34	571.79	572.00
1938	570.77	571.56	571.34	572.53	572.71	572.89	573.00	572.99	572.81	572.60	572.17	571.97	572.28
1939	572.03	570.44	571.24	572.73	572.94	573.12	573.21	573.07	572.93	572.55	572.28	571.97	572.38
1940	571.23	570.87	571.06	572.27	572.43	572.81	572.95	572.88	572.76	572.56	572.56	572.23	572.22
1941	571.85	571.03	571.37	572.00	572.33	572.52	572.43	572.26	572.02	571.94	571.72	571.75	571.94
1942	571.40	570.27	571.40	572.79	573.01	573.47	573.48	573.39	573.12	572.98	572.76	572.68	572.56
1943	572.31	571.91	572.77	573.32	574.18	574.56	574.77	574.66	574.39	574.12	573.74	573.53	573.69
1944	571.83	572.27	572.45	573.68	573.99	574.13	574.09	573.87	573.63	573.47	573.12	572.98	573.29
1945	572.52	572.14	573.00	573.41	573.94	574.32	574.47	574.26	574.08	574.13	573.67	573.93	573.66
1946	573.16	572.01	573.45	573.70	573.81	574.29	574.33	574.00	573.65	573.29	572.95	572.62	573.44
1947	572.08	572.01	572.49	573.79	574.21	574.70	574.69	574.60	574.42	574.08	573.64	573.42	573.68
1948	573.16	573.04	573.50	574.06	574.50	574.41	574.40	574.12	573.79	573.19	572.81	572.69	573.64
1949	572.89	572.90	572.38	573.15	573.19	573.24	573.30	573.10	572.62	572.47	571.91	571.90	572.75

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

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

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1950	572.38	572.32	572.35	573.47	573.52	573.47	573.56	573.38	573.39	573.22	572.87	573.24	573.10
1951	572.77	572.98	573.78	574.20	574.50	574.64	574.70	574.60	574.35	574.24	574.15	574.56	574.12
1952	574.85	574.63	574.96	575.38	575.44	575.53	575.49	575.42	575.17	574.61	574.07	574.03	574.96
1953	574.13	573.98	574.27	574.42	574.74	575.01	575.06	574.96	574.60	574.30	573.84	573.51	574.40
1954	572.74	572.48	573.77	574.33	574.49	574.60	574.68	574.48	574.27	574.60	574.41	574.27	574.09
1955	574.29	573.81	574.49	574.66	574.71	574.74	574.64	574.46	574.07	573.66	573.18	573.14	574.15
1956	571.35	570.86	572.56	573.29	574.17	574.08	574.14	574.11	573.91	573.49	572.89	572.78	573.14
1957	571.88	571.92	572.65	573.08	573.41	573.44	573.82	573.49	573.24	572.91	572.42	572.67	572.91
1958	571.60	571.09	572.17	571.97	572.50	572.58	572.76	572.66	572.51	572.15	571.70	571.86	572.13
1959	570.72	571.05	571.98	572.59	572.87	572.94	572.73	572.61	572.44	572.35	572.14	572.37	572.23
1960	572.36	571.80	572.38	573.25	573.58	574.00	574.09	574.16	573.98	573.60	573.08	573.07	573.28
1961	572.57	572.54	573.11	573.41	573.89	573.83	573.77	573.71	573.47	573.07	572.76	572.52	573.22
1962	572.36	571.38	572.63	572.88	573.00	573.16	573.06	572.93	572.73	572.49	572.34	572.13	572.59
1963	571.65	571.27	571.83	572.30	572.48	572.48	572.32	572.22	572.04	571.70	571.36	571.25	571.91
1964	570.48	570.45	571.05	571.55	571.85	571.84	571.78	571.69	571.51	571.10	570.82	570.83	571.25
1965	570.57	570.68	571.44	571.99	572.17	572.36	572.27	572.15	572.14	571.99	571.81	572.03	571.80
1966	572.11	572.01	572.40	572.80	573.01	573.08	573.02	572.83	572.58	572.03	571.99	572.46	572.53
1967	572.49	572.10	572.51	573.15	573.39	573.53	573.67	573.49	573.25	573.02	572.96	573.17	573.06
1968	573.04	573.43	573.27	573.45	573.65	573.86	573.99	573.89	573.71	573.39	573.22	573.23	573.51
1969	573.34	573.50	573.49	574.09	574.52	574.72	575.06	574.90	574.54	574.07	573.84	573.73	574.15
1970	572.57	572.88	573.47	573.86	574.07	574.31	574.34	574.27	574.10	573.94	573.75	573.78	573.78
1971	573.73	573.47	574.00	574.26	574.41	574.64	574.57	574.55	574.45	574.17	573.77	573.79	574.15
1972	573.94	573.90	574.07	574.40	574.81	574.88	575.08	575.06	575.04	574.89	574.98	574.99	574.67
1973	575.09	575.02	575.57	575.74	575.76	576.04	576.01	575.82	575.50	575.13	574.75	574.80	575.44
1974	575.10	575.12	575.50	575.66	575.86	575.82	575.85	575.61	575.23	574.79	574.55	574.61	575.31
1975	574.67	574.72	574.90	575.13	575.24	575.44	575.36	575.29	575.32	574.89	574.44	574.49	574.99
1976	574.51	574.32	575.27	575.41	575.56	575.50	575.55	575.37	574.91	574.38	573.78	573.59	574.85
1977	573.66	573.81	573.72	574.12	574.28	574.09	574.10	574.01	574.01	573.92	573.62	574.00	573.94
1978	574.41	574.34	574.16	574.59	574.61	574.58	574.49	574.28	574.14	573.92	573.65	573.32	574.21
1979	573.85	573.84	573.82	574.59	574.79	574.89	574.99	574.93	574.87	574.48	574.25	574.35	574.47

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

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1980	574.46	574.35	574.32	574.95	574.94	575.07	575.08	575.16	574.97	574.45	574.05	573.93	574.64
1981	573.04	573.96	574.00	574.18	574.56	574.66	574.88	574.75	574.70	574.57	574.23	574.00	574.29
1982	574.19	573.97	574.34	574.63	574.57	574.68	574.65	574.43	574.16	573.88	573.85	574.14	574.29
1983	574.15	574.12	574.30	574.68	575.13	575.27	575.31	575.29	574.87	574.60	574.41	574.76	574.74
1984	574.65	574.55	574.91	573.54	574.85	575.24	575.29	575.20	575.04	574.87	574.63	574.44	574.77
1985	574.83	575.11	575.68	575.97	575.94	575.93	575.85	575.69	575.58	575.28	575.72	575.77	575.61
1986													
1987													
1988													
1989													
1990													
1991													
1992													
1993													
1994													
1995													
1996													
1997													
1998													
1999													
2000													
2001													
2002													
2003													
2004													
2005													
2006													
2007													
2008													
2009													

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

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
MONTHLY AVERAGE FOR PERIOD 1897 THRU 1985													
	572.51	572.26	572.69	573.26	573.56	573.73	573.79	573.66	573.44	573.16	572.88	572.87	573.15
MONTHLY AVERAGE FOR PERIOD 1900 THRU 1985													
	572.51	572.27	572.70	573.27	573.57	573.74	573.80	573.68	573.46	573.17	572.88	572.88	573.16
MONTHLY AVERAGE FOR PERIOD 1976 THRU 1985													
	574.18	574.24	574.45	574.67	574.92	574.99	575.02	574.91	574.72	574.44	574.22	574.23	574.58
HIGHEST MONTHLY AVERAGE FOR PERIOD 1897 THRU 1985													
LEVEL	575.10	575.12	575.68	575.97	575.94	576.04	576.01	575.82	575.58	575.28	575.72	575.77	575.61
YEAR	1974	1974	1985	1985	1985	1973	1973	1973	1985	1985	1985	1985	1985
LOWEST MONTHLY AVERAGE FOR PERIOD 1897 THRU 1985													
LEVEL	569.70	569.65	570.10	570.86	571.45	571.53	571.69	571.38	571.15	570.92	570.63	570.77	570.92
YEAR	1936	1926	1934	1901	1934	1934	1934	1934	1934	1934	1934	1934	1934

HIGHEST MONTHLY AVERAGE FOR PERIOD 1897 THRU 1985 .....576.04 JUN 1973

LOWEST MONTHLY AVERAGE FOR PERIOD 1897 THRU 1985 .....569.65 FEB 1926

Station 4051 : Grosse Pointe Yacht Club, Grosse Pointe Shores, Michigan on Lake St. Clair

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1890													
1891													
1892													
1893													
1894													
1895													
1896													
1897													
1898	572.59	572.01	573.15	573.40	573.50	573.64	573.68	573.49	573.29	573.03	573.04	572.90	573.14
1899	572.87	572.51	572.06	572.71	573.26	573.59	573.65	573.57	573.26	572.98	572.79	572.40	572.97
1900	572.31	572.51	572.92	573.05	573.19	573.37	573.40	573.44	573.27	573.13	572.90	572.80	573.02
1901	572.40	571.45	571.72	571.09	572.38	573.19	573.42	573.43	573.27	572.95	572.69	572.86	572.57
1902	571.70	571.35	572.34	572.60	572.93	573.25	573.87	573.78	573.46	573.29	573.00	573.02	572.88
1903	573.07	572.78	573.13	573.68	573.64	573.75	573.80	573.72	573.66	573.42	572.92	573.32	573.41
1904	572.08	572.26	573.25	574.00	573.99	574.30	574.35	574.20	573.98	573.69	573.33	573.28	573.56
1905	572.18	571.90	572.27	573.14	573.52	574.06	574.20	574.14	573.92	573.58	573.25	573.14	573.28
1906	573.24	572.38	572.39	573.26	573.58	573.79	573.95	573.91	573.67	573.46	573.37	573.26	573.36
1907	573.31	573.03	572.97	573.61	573.83	574.17	574.29	574.15	573.91	573.80	573.45	573.34	573.66
1908	573.09	572.39	573.43	573.94	574.27	574.45	574.49	574.43	574.08	573.71	573.08	572.82	573.68
1909	572.69	571.87	572.00	573.22	574.05	574.21	574.19	574.06	573.71	573.19	573.06	573.65	573.32
1910	572.74	571.98	573.10	573.27	573.61	573.72	573.69	573.46	573.36	573.13	572.80	572.40	573.10
1911	571.34	571.21	572.03	572.70	572.86	573.09	572.99	572.90	572.72	572.69	572.40	572.50	572.45
1912	572.72	572.71	573.10	573.36	573.46	573.59	573.53	573.47	573.55	573.27	573.10	572.81	573.22
1913	573.29	572.60	572.93	574.46	574.43	574.41	574.36	574.18	573.69	573.35	573.24	573.08	573.67
1914	572.42	572.36	572.09	572.91	573.60	573.73	573.74	573.56	573.38	573.08	572.49	573.12	573.04
1915	571.58	572.20	571.77	572.37	572.64	572.80	573.04	573.26	573.13	572.85	572.40	572.36	572.53
1916	572.93	572.60	572.03	573.07	573.58	574.12	573.99	573.92	573.73	573.21	573.00	573.37	573.30
1917	573.55	573.00	572.98	573.69	573.85	574.42	574.83	574.70	574.36	573.88	573.87	573.65	573.90
1918	572.19	572.69	572.67	573.01	573.52	574.00	574.09	574.04	573.87	573.62	573.45	573.50	573.39
1919	574.00	573.14	573.52	574.00	574.50	574.57	574.36	574.04	573.73	573.52	573.23	572.75	573.78

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 4051 : Grosse Pointe Yacht Club, Grosse Pointe Shores, Michigan on Lake St. Clair

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1920	571.24	571.55	572.14	572.93	573.37	573.55	573.75	573.78	573.57	573.27	573.00	572.90	572.92
1921	573.11	571.66	572.87	573.54	573.75	573.81	573.74	573.42	573.12	572.78	572.68	572.73	573.10
1922	572.17	571.52	572.29	573.28	573.49	573.53	573.76	573.60	573.43	572.96	572.50	572.38	572.91
1923	571.99	571.56	571.95	572.33	572.75	572.93	573.05	572.83	572.70	572.43	572.08	572.10	572.39
1924	572.17	571.21	571.60	572.32	572.73	572.91	573.14	573.03	572.85	572.59	571.94	571.64	572.34
1925	571.15	570.85	571.53	571.97	571.92	571.97	572.04	572.01	571.82	571.44	571.25	571.05	571.58
1926	570.06	569.88	570.50	571.31	571.82	572.00	572.15	572.22	572.22	572.30	572.13	572.26	571.57
1927	571.10	570.63	571.40	572.38	572.63	572.96	573.12	572.97	572.59	572.36	572.02	572.34	572.21
1928	572.25	571.76	571.39	572.65	573.02	573.34	573.71	573.68	573.34	573.20	573.16	573.18	572.89
1929	573.55	573.95	573.82	574.57	575.12	575.14	575.22	574.98	574.63	574.20	573.86	573.69	574.39
1930	573.75	573.47	574.23	574.48	574.48	574.39	574.43	574.15	573.77	573.43	572.87	572.67	573.84
1931	572.12	570.74	570.68	572.08	572.40	572.54	572.60	572.44	572.14	571.92	571.65	571.64	571.91
1932	572.08	572.22	571.40	572.14	572.47	572.50	572.40	572.22	572.13	571.77	571.73	572.18	572.10
1933	571.73	571.09	571.59	572.41	572.76	572.79	572.77	572.54	572.14	571.76	571.44	571.49	572.04
1934	570.27	570.38	570.41	571.43	571.64	571.74	571.88	571.60	571.36	571.13	570.83	571.10	571.15
1935	570.94	570.03	570.96	571.46	571.70	571.88	572.13	572.11	571.83	571.51	571.42	571.22	571.43
1936	569.86	570.69	571.43	571.85	572.08	572.19	572.05	571.82	571.85	571.73	571.42	571.48	571.54
1937	571.82	571.50	571.79	572.24	572.66	572.78	572.96	572.82	572.43	572.02	571.62	572.10	572.23
1938	571.18	571.91	571.60	572.69	572.85	573.04	573.20	573.20	573.02	572.81	572.44	572.22	572.51
1939	572.35	570.67	571.48	572.89	573.10	573.32	573.42	573.31	573.18	572.81	572.54	572.28	572.61
1940	571.44	571.00	571.24	572.52	572.62	572.99	573.12	573.08	572.95	572.75	572.30	572.42	572.37
1941	572.07	571.18	571.62	572.17	572.52	572.71	572.64	572.49	572.29	572.20	572.02	572.00	572.16
1942	571.64	570.49	571.61	572.96	573.20	573.64	573.67	573.61	573.34	573.19	572.95	572.95	572.77
1943	572.54	572.11	573.01	573.50	574.36	574.71	574.97	574.88	574.63	574.30	573.99	573.77	573.90
1944	571.98	572.47	572.68	573.83	574.13	574.28	574.25	574.05	573.82	573.65	573.29	573.18	573.47
1945	572.64	572.30	573.17	573.62	574.13	574.46	574.61	574.44	574.24	574.30	573.87	574.10	573.82
1946	573.39	572.21	573.67	573.92	574.01	574.47	574.53	574.23	573.87	573.53	573.17	572.89	573.66
1947	572.26	572.22	572.72	574.01	574.39	574.87	574.85	574.78	574.63	574.27	573.82	573.65	573.87
1948	573.47	573.20	573.77	574.26	574.69	574.59	574.58	574.30	573.97	573.41	573.07	572.93	573.85
1949	573.16	573.12	572.55	573.34	573.39	573.46	573.52	573.30	572.89	572.70	572.14	572.13	572.98

Station 4051 : Grosse Pointe Yacht Club, Grosse Pointe Shores, Michigan on Lake St. Clair

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1950	572.61	572.53	572.58	573.66	573.69	573.67	573.75	573.60	573.57	573.38	573.07	573.49	573.30
1951	573.06	573.18	573.93	574.36	574.66	574.78	574.89	574.78	574.56	574.47	574.37	574.83	574.32
1952	575.13	574.87	575.19	575.46	575.49	575.60	575.70	575.65	575.41	574.87	574.33	574.28	575.16
1953	574.34	574.23	574.48	574.59	574.88	575.15	575.22	575.15	574.82	574.49	574.04	573.72	574.59
1954	572.92	572.69	573.96	574.48	574.70	574.80	574.89	574.76	574.53	574.81	574.60	574.47	574.30
1955	574.51	574.01	574.70	574.79	574.87	574.95	574.84	574.67	574.25	573.83	573.45	573.36	574.35
1956	571.50	571.02	572.81	573.47	574.33	574.26	574.33	574.34	574.14	573.67	573.11	573.00	573.33
1957	572.12	572.16	572.88	573.32	573.58	573.64	574.00	573.72	573.45	573.14	572.73	572.88	573.14
1958	571.79	571.25	572.37	572.09	572.65	572.76	572.95	572.87	572.73	572.35	571.92	572.06	572.32
1959	570.84	571.15	572.18	572.72	572.98	573.07	572.90	572.83	572.64	572.56	572.39	572.57	572.40
1960	572.61	572.01	572.58	573.42	573.77	574.21	574.30	574.36	574.20	573.84	573.33	573.32	573.50
1961	572.78	572.74	573.31	573.59	574.03	574.00	573.97	573.92	573.70	573.28	572.96	572.76	573.42
1962	572.55	571.53	572.84	573.03	573.18	573.33	573.23	573.13	572.93	572.68	572.54	572.35	572.78
1963	571.81	571.45	572.00	572.44	572.61	572.61	572.51	572.40	572.23	571.91	571.56	571.49	572.08
1964	570.73	570.70	571.28	571.75	572.02	572.03	571.94	571.88	571.69	571.31	571.06	571.06	571.45
1965	570.75	570.87	571.69	572.14	572.32	572.43	572.42	572.40	572.35	572.19	572.03	572.20	571.98
1966	572.32	572.14	572.55	572.89	573.23	573.32	573.26	573.08	572.82	572.28	572.21	572.70	572.73
1967	572.75	572.35	572.78	573.34	573.59	573.78	573.89	573.77	573.49	573.27	573.17	573.43	573.30
1968	573.21	573.61	573.50	573.68	573.83	574.06	574.20	574.17	573.98	573.66	573.45	573.56	573.74
1969	573.57	573.72	573.74	574.31	574.72	574.94	575.27	575.16	574.80	574.33	574.11	573.99	574.39
1970	Station Closed												
1971	Station Closed												
1972	Station Closed												
1973	Station Closed												
1974	Station Closed												
1975	Station Closed												
1976	Station Closed												
1977	Station Closed												
1978	Station Closed												
1979	Station Closed												

Station 4051 : Grosse Pointe Yacht Club, Grosse Pointe Shores, Michigan on Lake St. Clair

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
MONTHLY AVERAGE FOR PERIOD 1898 THRU 1969													
	572.36	572.04	572.50	573.13	573.44	573.63	573.70	573.59	573.36	573.08	572.78	572.78	573.03
MONTHLY AVERAGE FOR PERIOD 1900 THRU 1969													
	572.35	572.03	572.50	573.13	573.44	573.63	573.70	573.59	573.36	573.08	572.78	572.79	573.03
MONTHLY AVERAGE FOR PERIOD 1960 THRU 1969													
	572.31	572.11	572.63	573.06	573.33	573.47	573.50	573.43	573.22	572.88	572.64	572.69	572.94
HIGHEST MONTHLY AVERAGE FOR PERIOD 1898 THRU 1969													
LEVEL	575.13	574.87	575.19	575.46	575.49	575.60	575.70	575.65	575.41	574.87	574.60	574.83	575.16
YEAR	1952	1952	1952	1952	1952	1952	1952	1952	1952	1952	1954	1951	1952
LOWEST MONTHLY AVERAGE FOR PERIOD 1898 THRU 1969													
LEVEL	569.86	569.88	570.41	571.09	571.64	571.74	571.88	571.60	571.36	571.13	570.83	571.05	571.15
YEAR	1936	1926	1934	1901	1934	1934	1934	1934	1934	1934	1934	1925	1934

HIGHEST MONTHLY AVERAGE FOR PERIOD 1898 THRU 1969 .....575.70 JUL 1952

LOWEST MONTHLY AVERAGE FOR PERIOD 1898 THRU 1969 .....569.86 JAN 1936



U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

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

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1950													
1951													
1952													
1953													
1954													
1955													
1956													
1957													
1958													
1959													
1960													
1961													
1962													
1963													
1964													
1965													
1966													
1967													
1968			573.72	573.66	573.82	574.03	574.18	574.11	573.96	573.65	573.44	573.52	573.81
1969	573.57	573.73	573.73	574.28	574.71	574.92	575.26	575.13	574.78	574.33	574.10	573.98	574.38
1970	572.76	573.10	573.74	574.09	574.30	574.53	574.57	574.51	574.35	574.20	574.00	574.03	574.02
1971	573.99	573.71	574.27	574.47	574.62	574.86	574.84	574.81	574.71	574.42	574.03	574.06	574.40
1972	574.23	574.17	574.34	574.58	575.01	575.07	575.29	575.30	575.27	575.13	575.18	575.21	574.90
1973	575.36	575.29	575.75	575.91	575.96	576.23	576.20	576.03	575.70	575.35	574.99	575.07	575.65
1974	575.37	575.39	575.71	575.86	576.06	576.03	576.06	575.82	575.45	575.01	574.79	574.83	575.53
1975	574.96	575.00	575.10	575.33	575.43	575.65	575.57	575.50	575.53	575.10	574.70	574.74	575.22
1976	574.74	574.56	575.53	575.60	575.77	575.70	575.74	575.56	575.12	574.66	574.05	573.87	575.08
1977	573.85	574.04	573.97	574.33	574.45	574.29	574.31	574.22	574.21	574.10	573.83	574.24	574.15
1978	574.59	574.53	574.39	574.75	574.76	574.75	574.65	574.47	574.34	574.14	573.89	573.61	574.41
1979	574.03	574.03	574.09	574.81	574.98	575.10	575.19	575.14	575.08	574.72	574.51	574.58	574.69

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

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

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1980	574.71	574.57	574.54	575.13	575.12	575.24	575.25	575.35	575.16	574.67	574.27	574.15	574.85
1981	573.22	574.19	574.20	574.38	574.72	574.84	575.04	574.93	574.88	574.78	574.44	574.23	574.49
1982	574.43	574.17	574.56	574.80	574.73	574.84	574.83	574.61	574.36	574.10	574.11	574.38	574.49
1983	574.37	574.34	574.47	574.86	575.33	575.45	575.50	575.48	575.09	574.82	574.63	574.98	574.94
1984	574.82	574.76	575.19	573.64	575.06	575.45	575.51	575.41	575.24	575.06	574.85	574.68	574.97
1985	575.07	575.34	575.90	576.16	576.12	576.11	576.04	575.88	575.79	575.50	575.92	576.02	575.82
1986													
1987													
1988													
1989													
1990													
1991													
1992													
1993													
1994													
1995													
1996													
1997													
1998													
1999													
2000													
2001													
2002													
2003													
2004													
2005													
2006													
2007													
2008													
2009													

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

SUMMARY OF AVERAGE AND EXTREME LEVELS  
 WATER LEVELS IN FEET, IGLD (1955)

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

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
MONTHLY AVERAGE FOR PERIOD 1968 THRU 1985													
	574.36	574.41	574.62	574.81	575.05	575.17	575.22	575.13	574.95	574.65	574.43	574.45	574.77
MONTHLY AVERAGE FOR PERIOD 1976 THRU 1985													
	574.38	574.45	574.68	574.85	575.10	575.18	575.21	575.10	574.93	574.66	574.45	574.47	574.79
HIGHEST MONTHLY AVERAGE FOR PERIOD 1968 THRU 1985													
LEVEL	575.37	575.39	575.90	576.16	576.12	576.23	576.20	576.03	575.79	575.50	575.92	576.02	575.82
YEAR	1974	1974	1985	1985	1985	1973	1973	1973	1985	1985	1985	1985	1985
LOWEST MONTHLY AVERAGE FOR PERIOD 1968 THRU 1985													
LEVEL	572.76	573.10	573.72	573.64	573.82	574.03	574.18	574.11	573.96	573.65	573.44	573.52	573.81
YEAR	1970	1970	1968	1984	1968	1968	1968	1968	1968	1968	1968	1968	1968

HIGHEST MONTHLY AVERAGE FOR PERIOD 1968 THRU 1985 ....576.23 JUN 1973

LOWEST MONTHLY AVERAGE FOR PERIOD 1968 THRU 1985 .....572.76 JAN 1970

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 4070 : Algonac, Michigan on the St. Clair River

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1890													
1891													
1892													
1893													
1894													
1895													
1896													
1897													
1898													
1899						574.61							574.61
1900													
1901					574.23								574.23
1902													
1903													
1904													
1905													
1906													
1907													
1908													
1909													
1910													
1911													
1912													
1913													
1914													
1915													
1916													
1917													
1918													
1919													

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 4070 : Algonac, Michigan on the St. Clair River

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1920													
1921													
1922													
1923													
1924													
1925													
1926							573.12	573.24	573.25	573.29	573.19	573.44	573.26
1927				573.23	573.54	573.83	574.04	573.98	573.72	573.58	573.27	573.52	573.63
1928	573.55	572.95	572.70	573.69	573.89	574.23	574.63	574.65	574.48	574.34	574.41	574.33	573.99
1929		575.12	574.92	575.29	575.86	575.90	576.07	575.93	575.61	575.23			575.55
1930													
1931													
1932													
1933													
1934													
1935													
1936													
1937													
1938													
1939													
1940													
1941													
1942													
1943													
1944													
1945													
1946													
1947													
1948										574.85	574.59		574.72
1949													

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 4070 : Algonac, Michigan on the St. Clair River

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1950													
1951													
1952								576.40	576.20	575.70	575.24	575.13	575.73
1953	575.13	575.21	575.21	575.34	575.54	575.83	575.97	575.93	575.66	575.29	574.93	574.74	575.40
1954	574.51	574.34	574.93	575.13	575.26	575.41	575.55	575.48	575.31	575.58	575.43	575.27	575.18
1955	575.58	575.27	575.43	575.42	575.52		575.50	575.35	574.95	574.70	574.42	574.22	575.12
1956	572.75	572.67	573.81	574.13	574.86	574.83	574.97	575.02	574.83	574.37	574.03	573.83	574.18
1957	573.57	573.61	573.77	573.91	574.14	574.27	574.62	574.43	574.23	573.89	573.64	573.64	573.98
1958	573.16	572.71	573.32	573.31	573.33	573.47	573.67	573.66	573.54	573.22	572.94	573.06	573.28
1959	572.53	572.90	573.11	573.33	573.58	573.70	573.68	573.62	573.49	573.40	573.28	573.36	573.33
1960	573.81	573.22	573.66	574.02	574.38	574.84	575.03	575.11	574.93	574.62	574.20	574.11	574.33
1961	574.06	573.73	573.79	574.07	574.48	574.51	574.51	574.50	574.29	573.95	573.66	573.47	574.08
1962	573.18	572.40	573.32	573.60	573.70	573.84	573.84	573.76	573.60	573.38	573.14	573.06	573.40
1963	572.99	572.86	572.88	573.00	573.14	573.19	573.16	573.14	572.92	572.65	572.41	572.37	572.89
1964	572.22	572.21	572.04	572.28	572.58	572.58	572.60	572.60	572.47	572.19	572.01	571.93	572.31
1965	571.97	572.45	572.57	572.69	572.91	573.06	573.12	573.11	573.11	573.08	572.94	573.04	572.84
1966	573.39	573.47	573.29	573.51	573.74	573.81	573.82	573.72	573.48	573.11	572.94	573.35	573.47
1967	573.44	573.44	573.44	573.84	574.06	574.26	574.44	574.32	574.08	573.90	573.91	573.99	573.93
1968	574.01	574.48	574.10	574.20	574.28	574.52	574.73	574.66	574.58	574.36	574.11	574.28	574.36
1969	574.65	574.68	574.31	574.74	575.15	575.44	575.79	575.73	575.36	574.99	574.80	574.66	575.02
1970	573.90	574.02	574.43	574.67	574.80	574.98	575.14	575.10	574.96	574.79	574.67	574.67	574.68
1971	574.87	574.60	575.08	575.00	575.12	575.38	575.44	575.41	575.29	575.04	574.76	574.72	575.06
1972	575.03	575.20	575.03	575.29	575.46	575.55	575.78	575.85	575.86	575.73	575.73	575.81	575.53
1973	576.01	576.23	576.22	576.37	576.44	576.70	576.68	576.59	576.27	575.93	575.66	575.69	576.23
1974	576.00	576.17	576.15	576.33	576.53	576.54	576.60	576.39	576.08	575.65	575.46	575.42	576.11
1975	575.56	575.70	575.94	575.88	575.89	576.14	576.12	576.04	576.07	575.65	575.34	575.29	575.80
1976	575.51	575.23	576.03	576.04	576.25	576.22	576.27	576.08	575.71	575.24	574.78	574.73	575.67
1977	574.76	574.87	574.48	574.81	574.88	574.79	574.84	574.76	574.74	574.63	574.44	574.86	574.74
1978	575.49	575.29	574.93	575.12	575.17	575.22	575.15	575.05	574.91	574.79	574.52	574.36	575.00
1979	574.95	574.95	574.66	575.31	575.45	575.61	575.72	575.74	575.64	575.37	575.16	575.15	575.31

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 4070 : Algonac, Michigan on the St. Clair River

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1980	575.36	575.38	575.30	575.57	575.60	575.73	575.74	575.85	575.68	575.32	574.95	574.98	575.46
1981	574.29	574.92	574.78	574.94	575.17	575.40	575.54	575.47	575.43	575.32	575.01	574.80	575.09
1982	575.03	574.89	575.08	575.30	575.14	575.25	575.30	575.16	574.92	574.74	574.74	574.99	575.04
1983	575.17	575.09	574.96	575.30	575.80	575.89	575.99	575.97	575.67	575.40	575.23	575.54	575.50
1984	575.45	575.41	575.78	574.61	575.54	575.89	576.00	575.93	575.82	575.61	575.47	575.35	575.57
1985	575.91	576.11	576.36	576.66	576.59	576.61	576.56	576.41	576.35	576.08	576.41	576.70	576.40
1986													
1987													
1988													
1989													
1990													
1991													
1992													
1993													
1994													
1995													
1996													
1997													
1998													
1999													
2000													
2001													
2002													
2003													
2004													
2005													
2006													
2007													
2008													
2009													

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

SUMMARY OF AVERAGE AND EXTREME LEVELS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 4070 : Algonac, Michigan on the St. Clair River

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
MONTHLY AVERAGE FOR PERIOD 1899 THRU 1985													
	574.35	574.34	574.45	574.61	574.81	574.95	575.02	575.00	574.83	574.59	574.36	574.37	574.64
MONTHLY AVERAGE FOR PERIOD 1900 THRU 1985													
	574.35	574.34	574.45	574.61	574.81	574.95	575.02	575.00	574.83	574.59	574.36	574.37	574.64
MONTHLY AVERAGE FOR PERIOD 1976 THRU 1985													
	575.19	575.21	575.24	575.37	575.56	575.66	575.71	575.64	575.49	575.25	575.07	575.15	575.38
HIGHEST MONTHLY AVERAGE FOR PERIOD 1899 THRU 1985													
LEVEL	576.01	576.23	576.36	576.66	576.59	576.70	576.68	576.59	576.35	576.08	576.41	576.70	576.40
YEAR	1973	1973	1985	1985	1985	1973	1973	1973	1985	1985	1985	1985	1985
LOWEST MONTHLY AVERAGE FOR PERIOD 1899 THRU 1985													
LEVEL	571.97	572.21	572.04	572.28	572.58	572.58	572.60	572.60	572.47	572.19	572.01	571.93	572.31
YEAR	1965	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964
HIGHEST MONTHLY AVERAGE FOR PERIOD 1899 THRU 1985 .....576.70 DEC 1985													
LOWEST MONTHLY AVERAGE FOR PERIOD 1899 THRU 1985 .....571.93 DEC 1964													



U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 4080 : St. Clair State Police, St. Clair, Michigan on the St. Clair River

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1950													
1951													
1952													
1953													
1954													
1955													
1956													
1957													
1958													
1959													
1960													
1961													
1962													
1963													
1964													
1965													
1966													
1967													
1968													
1969													
1970													
1971	576.68	576.60	576.46	576.49	576.68	576.91	577.01	577.03	576.88	576.63	576.36	576.31	576.67
1972	576.51	576.69	576.44	576.65	576.93	577.07	577.26	577.36	577.42	577.32	577.27	577.24	577.01
1973	577.42	577.76	577.57	577.78	577.90	578.16	578.20	578.14	577.88	577.55	577.28	577.21	577.74
1974	577.37	577.50	577.52	577.73	577.97	578.04	578.16	577.98	577.66	577.26	577.04	576.93	577.60
1975	576.98	577.11	577.37	577.34	577.41	577.66	577.68	577.58	577.58	577.16	576.82	576.78	577.29
1976	577.56	577.30	577.30	577.50	577.74	577.72	577.81	577.62	577.25	576.80	576.27	576.21	577.26
1977	576.79	576.14	575.80	576.17	576.22	576.15	576.20	576.14	576.10	576.03	575.87	576.08	576.14
1978	576.85	576.41	576.08	576.31	576.42	576.53	576.53	576.47	576.39	576.33	576.03	575.85	576.35
1979	576.80	576.52	576.01	576.66	576.93	577.12	577.27	577.31	577.20	576.89	576.71	576.74	576.85

Station 4080 : St. Clair State Police, St. Clair, Michigan on the St. Clair River

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1980	576.74	576.77	576.64	576.89	576.98	577.14	577.20	577.28	577.16	576.82	576.43	576.64	576.89
1981	576.37	576.34	576.23	576.37	576.65	576.80	576.98	576.91	576.92	576.74	576.43	576.21	576.58
1982	576.70	576.44	576.18	576.46	576.39	576.56	576.62	576.56	576.37	576.17	576.19	576.39	576.42
1983	576.55	576.52	576.39	576.73	577.21	577.41	577.50	577.45	577.18	576.92	576.72	576.95	576.96
1984	577.53	576.89	577.05	577.50	577.06	577.38	577.54	577.47	577.35	577.15	577.05	576.88	577.24
1985	577.58	577.47	577.64	578.00	578.08	578.05	578.08	577.94	577.92	577.69	577.94	578.19	577.88
1986													
1987													
1988													
1989													
1990													
1991													
1992													
1993													
1994													
1995													
1996													
1997													
1998													
1999													
2000													
2001													
2002													
2003													
2004													
2005													
2006													
2007													
2008													
2009													

Station 4080 : St. Clair State Police, St. Clair, Michigan on the St. Clair River

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
MONTHLY AVERAGE FOR PERIOD 1971 THRU 1985													
	576.96	576.83	576.71	576.97	577.10	577.25	577.34	577.28	577.15	576.90	576.69	576.71	576.99
MONTHLY AVERAGE FOR PERIOD 1976 THRU 1985													
	576.95	576.68	576.53	576.86	576.97	577.09	577.17	577.12	576.98	576.75	576.56	576.61	576.86
HIGHEST MONTHLY AVERAGE FOR PERIOD 1971 THRU 1985													
LEVEL	577.58	577.76	577.64	578.00	578.08	578.16	578.20	578.14	577.92	577.69	577.94	578.19	577.88
YEAR	1985	1973	1985	1985	1985	1973	1973	1973	1985	1985	1985	1985	1985
LOWEST MONTHLY AVERAGE FOR PERIOD 1971 THRU 1985													
LEVEL	576.37	576.14	575.80	576.17	576.22	576.15	576.20	576.14	576.10	576.03	575.87	575.85	576.14
YEAR	1981	1977	1977	1977	1977	1977	1977	1977	1977	1977	1977	1978	1977
HIGHEST MONTHLY AVERAGE FOR PERIOD 1971 THRU 1985 ....578.20 JUL 1973													
LOWEST MONTHLY AVERAGE FOR PERIOD 1971 THRU 1985 .....575.80 MAR 1977													

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 4081 : St. Clair, Michigan on the St. Clair River

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1890													
1891													
1892													
1893													
1894													
1895													
1896													
1897													
1898													
1899													
1900													
1901													
1902													
1903													
1904													
1905													
1906													
1907													
1908													
1909													
1910					575.85	575.94	575.94	575.86	575.75	575.61	575.35		575.76
1911													
1912													
1913													
1914													
1915													
1916													
1917													
1918													
1919													

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 4081 : St. Clair, Michigan on the St. Clair River

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1920													
1921													
1922													
1923											574.58	574.49	574.54
1924													574.29
1925	574.37	574.49	574.37	574.13	574.15	574.25							
1926													575.06
1927					574.82	575.13	575.32	575.26	574.97	574.87			575.92
1928						575.65	576.02	576.08	575.97	575.89			577.44
1929					577.55	577.62	577.76	577.64	577.24	576.82			
1930													
1931													
1932													
1933													
1934													
1935													
1936													
1937													
1938													
1939													
1940													
1941													
1942													
1943													
1944						576.39				576.09			576.24
1945													
1946													
1947						576.68	576.87	576.85	576.70	576.46			576.71
1948					576.70	576.58	576.62	576.46	576.12	575.57			576.34
1949					575.33	575.41	575.58	575.44	575.13	574.85			575.29

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 4081 : St. Clair, Michigan on the St. Clair River

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1950					575.37	575.53	575.75	575.81	575.78	575.62	575.45	575.67	575.62
1951	576.22	576.05	575.73	576.11	576.46	576.74	577.04	577.08	576.94	576.91	576.91	577.17	576.61
1952	577.52	577.52	577.35	577.66	577.81	577.96	578.09	578.11	577.90	577.42	576.90	576.84	577.59
1953	576.75	576.71	576.75	576.93	577.18	577.45	577.63	577.61	577.31	576.97	576.57	576.34	577.02
1954	576.93	576.96	576.37	576.52	576.78	577.00	577.16	577.12	576.93	577.27	577.07	576.96	576.92
1955	577.18	577.32	576.91	576.83	576.99	577.08	577.04	576.85	576.40	575.98	575.72	575.46	576.65
1956	575.18	575.29	575.76	575.50	576.09	576.15	576.35	576.39	576.19	575.75	575.41	575.20	575.77
1957	575.42	575.41	574.96	575.08	575.37	575.51	575.90	575.71	575.50	575.23	574.95	574.92	575.33
1958	575.42	575.29	574.55	574.70	574.68	574.78	574.91	574.90	574.76	574.47	574.15	574.19	574.73
1959	574.43	574.35	574.12	574.43	574.74	574.91	574.93	574.91	574.79	574.72	574.69	574.68	574.64
1960	575.31	575.81	575.19	575.22	575.76	576.23	576.49	576.59	576.42	576.13	575.77	575.85	575.90
1961	575.90	575.34	575.21	575.42	575.76	575.80	575.82	575.80	575.66	575.40	575.13	574.91	575.51
1962	574.72	574.24	575.00	575.02	575.17	575.30	575.31	575.22	575.09	574.80	574.52	574.36	574.90
1963	574.53	574.34	574.04	574.25	574.45	574.52	574.54	574.52	574.27	573.98	573.73	573.61	574.23
1964	573.97	574.01	573.19	573.31	573.68	573.76	573.85	573.81	573.74	573.50	573.32	573.13	573.61
1965	573.59	573.87	573.63	573.84	574.18	574.38	574.44	574.46	574.49	574.55	574.40	574.47	574.19
1966	574.89	575.08	574.64	574.92	575.16	575.23	575.27	575.14	574.92	574.51	574.33	574.62	574.89
1967	574.63	575.30	574.68	575.17	575.42	575.65	575.88	575.85	575.62	575.34	575.39	575.36	575.36
1968	575.92	576.13	575.38	575.53	575.63	575.88	576.11	576.19	576.09	575.94	575.72	575.77	575.86
1969	576.49	576.13	575.76	576.14	576.61	576.87	577.26	577.27	576.97	576.61	576.43	576.51	576.59
1970	577.24	576.95	575.98	576.13	576.33	576.61	576.73	576.74	576.62	576.42	576.30	576.25	576.52
1971	Station Relocated												
1972													
1973													
1974													
1975													
1976													
1977													
1978													
1979													

Station 4081 : St. Clair, Michigan on the St. Clair River

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
MONTHLY AVERAGE FOR PERIOD 1910 THRU 1970													
	575.55	575.55	575.22	575.37	575.70	575.90	576.09	576.06	575.87	575.64	575.34	575.31	575.63
MONTHLY AVERAGE FOR PERIOD 1961 THRU 1970													
	575.19	575.14	574.75	574.97	575.24	575.40	575.52	575.50	575.35	575.10	574.93	574.90	575.17
HIGHEST MONTHLY AVERAGE FOR PERIOD 1910 THRU 1970													
LEVEL	577.52	577.52	577.35	577.66	577.81	577.96	578.09	578.11	577.90	577.42	577.07	577.17	577.59
YEAR	1952	1952	1952	1952	1952	1952	1952	1952	1952	1952	1954	1951	1952
LOWEST MONTHLY AVERAGE FOR PERIOD 1910 THRU 1970													
LEVEL	573.59	573.87	573.19	573.31	573.68	573.76	573.85	573.81	573.74	573.50	573.32	573.13	573.61
YEAR	1965	1965	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964

HIGHEST MONTHLY AVERAGE FOR PERIOD 1910 THRU 1970 .....578.11      AUG      1952

LOWEST MONTHLY AVERAGE FOR PERIOD 1910 THRU 1970 .....573.13      DEC      1964

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 4084 : Marysville, Michigan on the St. Clair River

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1920													
1921													
1922													
1923													
1924											575.43	575.32	575.38
1925	575.00	575.28	575.20	575.04	575.06	575.05							575.10
1926													
1927													
1928													
1929							576.53	576.86	576.95	576.85	576.80		576.80
							578.41	578.57	578.46	578.12	577.67		578.25
1930													
1931													
1932													
1933													
1934													
1935													
1936													
1937													
1938													
1939													
1940													
1941													
1942													
1943													
1944													
1945													
1946													
1947													
1948								577.47	577.68	577.66	577.53	577.23	577.51
1949													



U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 4084 : Marysville, Michigan on the St. Clair River

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1950													
1951													
1952												577.70	577.70
1953	577.60	577.56	577.59	577.74	577.99	578.27	578.44	578.48	578.15	577.85	577.38	577.25	577.86
1954	577.41	577.45	577.04	577.32	577.63	577.82	578.06	578.04	577.79	578.13	577.93	577.81	577.70
1955	577.91	577.86	577.59	577.62	577.80	577.88	577.86	577.66	577.24	576.83	576.62	576.33	577.43
1956	576.63	576.38	576.43	576.32	576.84	576.94	577.10	577.15	576.97	576.54	576.20	576.01	576.63
1957	576.43	576.19	575.74	575.84	576.11	576.26	576.65	576.52	576.31	576.01	575.80	575.67	576.13
1958	576.24	576.44	575.31	575.41	575.56	575.62	575.70	575.70	575.57	575.29	574.95	574.87	575.56
1959	575.23	575.06	574.77	575.16	575.48	575.70	575.70	575.68	575.58	575.49	575.49	575.43	575.40
1960	575.92	576.30	575.83	575.94	576.56	577.00	577.30	577.43	577.31	576.99	576.66	576.60	576.65
1961	576.63	576.17	576.06	576.22	576.48	576.52	576.60	576.58	576.46	576.25	576.03	575.79	576.32
1962	575.92	575.20	575.83	575.87	576.07	576.21	576.21	576.12	575.95	575.67	575.32	575.15	575.79
1963	575.19	575.16	574.79	575.07	575.25	575.32	575.35	575.33	575.10	574.81	574.54	574.34	575.02
1964	574.52	574.35	573.86	574.01	574.42	574.46	574.56	574.55	574.46	574.24	574.04	573.89	574.28
1965	574.34	574.46	574.26	574.53	574.93	575.14	575.23	575.25	575.27	575.37	575.20	575.27	574.94
1966	575.62	575.62	575.36	575.66	575.92	575.98	576.04	575.89	575.70	575.31	575.12	575.40	575.64
1967	575.37	575.87	575.39	575.87	576.16	576.40	576.65	576.62	576.40	576.11	576.18	576.09	576.09
1968	576.48	576.67	576.05	576.21	576.34	576.57	576.84	576.93	576.87	576.74	576.54	576.52	576.56
1969	577.01	576.80	576.51	576.84	577.30	577.58	577.97	578.00	577.84	577.39	577.21	577.25	577.31
1970	577.75	577.43	576.71	576.84	577.07	577.35	577.48	577.50	577.38	577.18	577.08	577.03	577.23
1971	577.38	577.28	577.25	577.34	577.53	577.80	577.90	577.90	577.74	577.49	577.25	577.17	577.50
1972	577.29	577.35	577.17	577.36	577.73	577.91	578.05	578.18	578.25	578.20	578.09	578.01	577.80
1973	578.15	578.36	578.30	578.54	578.70	578.96	578.98	579.00	578.73	578.42	578.14	578.02	578.52
1974	578.05	578.20	578.23	578.42	578.72	578.85	579.01	578.84	578.51	578.11	577.90	577.74	578.38
1975	577.72	577.80	578.02	578.08	578.23	578.47	578.53	578.44	578.39	577.98	577.61	577.57	578.07
1976	578.03	577.87	577.95	578.25	578.53	578.53	578.64	578.45	578.09	577.60	577.07	576.88	577.99
1977	577.19	576.70	576.50	576.87	576.94	576.89	576.91	576.87	576.82	576.76	576.63	576.73	576.82
1978	577.29	576.92	576.68	576.93	577.09	577.23	577.27	577.23	577.16	577.12	576.83	576.64	577.03
1979	577.25	577.03	576.73	577.37	577.72	577.91	578.08	578.13	578.01	577.69	577.50	577.53	577.58

Station 4084 : Marysville, Michigan on the St. Clair River

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1980	577.49	577.46	577.32	577.59	577.71	577.85	577.96	578.03	577.93	577.62	577.24	577.32	577.63
1981	577.21	576.97	576.99	577.12	577.42	577.55	577.74	577.66	577.69	577.48	577.19	576.93	577.33
1982	577.26	576.96	576.76	577.09	577.08	577.27	577.33	577.33	577.14	576.94	576.93	577.13	577.10
1983	577.25	577.21	577.20	577.47	578.04	578.19	578.28	578.20	577.97	577.72	577.48	577.61	577.72
1984	578.18	577.58	577.66	578.48	577.88	578.06	578.37	578.33	578.22	577.99	577.89	577.70	578.03
1985	578.34	578.07	578.35	578.56	578.87	578.94	578.90	578.75	578.73	578.52	578.73	578.92	578.64
1986													
1987													
1988													
1989													
1990													
1991													
1992													
1993													
1994													
1995													
1996													
1997													
1998													
1999													
2000													
2001													
2002													
2003													
2004													
2005													
2006													
2007													
2008													
2009													

Station 4084 : Marysville, Michigan on the St. Clair River

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
MONTHLY AVERAGE FOR PERIOD 1924 THRU 1985													
	576.80	576.71	576.51	576.73	576.98	577.16	577.36	577.33	577.17	576.93	576.65	576.62	576.91
MONTHLY AVERAGE FOR PERIOD 1976 THRU 1985													
	577.55	577.28	577.21	577.57	577.73	577.84	577.95	577.90	577.78	577.54	577.35	577.34	577.59
HIGHEST MONTHLY AVERAGE FOR PERIOD 1924 THRU 1985													
LEVEL	578.34	578.36	578.35	578.56	578.87	578.96	579.01	579.00	578.73	578.52	578.73	578.92	578.64
YEAR	1985	1973	1985	1985	1985	1973	1974	1973	1985	1985	1985	1985	1985
LOWEST MONTHLY AVERAGE FOR PERIOD 1924 THRU 1985													
LEVEL	574.34	574.35	573.86	574.01	574.42	574.46	574.56	574.55	574.46	574.24	574.04	573.89	574.28
YEAR	1965	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964
HIGHEST MONTHLY AVERAGE FOR PERIOD 1924 THRU 1985 .....579.01 JUL 1974													
LOWEST MONTHLY AVERAGE FOR PERIOD 1924 THRU 1985 .....573.86 MAR 1964													

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

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

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1890													
1891													
1892													
1893													
1894													
1895													
1896													
1897													
1898													
1899			577.32	576.81	577.01	577.36	577.67	577.64	577.44	577.00	576.87	576.72	577.18
1900	577.15	577.28	577.36	576.72	576.83	577.01	577.22	577.29	577.28	577.16	577.12	576.92	577.11
1901	577.22	577.58	577.19	577.97	577.44	577.30	577.51	577.58	577.38	577.15	576.92	576.73	577.33
1902	577.39	577.06	576.35	576.49	576.70	577.02	577.40	577.42	577.16	576.94	576.78	576.66	576.95
1903	576.56	577.29	576.79	576.99	577.02	577.22	577.37	577.37	577.38	577.36	576.94	577.07	577.11
1904	576.77	577.18	577.34	577.39	577.58	577.97	578.02	578.02	577.90	577.76	577.47	577.32	577.56
1905	578.04	577.65	577.48	577.19	577.46	577.89	578.12	578.10	577.95	577.70	577.41	577.20	577.68
1906	577.23	577.65	577.87	577.51	577.63	577.76	577.91	577.85	577.63	577.44	577.24	577.56	577.61
1907	577.90	577.92	577.56	577.47	577.58	577.86	578.03	578.00	577.88	577.69	577.35	577.19	577.70
1908	577.66	577.90	577.74	577.49	577.83	578.08	578.27	578.22	577.82	577.42	577.02	576.78	577.69
1909	576.87	577.63	577.31	576.84	577.45	577.65	577.75	577.66	577.43	577.04	576.74		577.31
1910					577.08	577.21	577.19	577.06	576.97	576.85	576.66		577.00
1911													
1912													
1913													
1914													
1915													
1916													
1917													
1918													
1919					577.97	578.03	577.95	577.80	577.49	577.30	577.12		577.67

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

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

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1920							577.64	577.60	577.45	577.17	576.90		577.35
1921							577.19	577.01	576.88	576.76	576.53		576.87
1922						577.29	577.46	577.36	577.16	576.76	576.38		577.07
1923						576.60	576.62	576.47	576.41	576.20	575.87		576.36
1924					576.17	576.27	576.49	576.56	576.51	576.13	575.78		576.27
1925				575.28	575.36	575.40	575.58	575.46	575.27	575.06	574.78		575.27
1926					575.13	575.40	575.55	575.55	575.50	575.47	575.31		575.42
1927		575.72	575.60	575.67	576.03	576.34	576.55	576.48	576.15	576.08	575.83	575.90	576.03
1928	576.16	576.40	576.36	576.35	576.72	576.93	577.25	577.35	577.26	577.22	577.35	577.32	576.89
1929	577.90	577.84	577.59	578.15	578.74	578.88	579.02	578.90	578.57	578.13	577.92	577.89	578.29
1930	578.03	577.71	577.63	577.69	577.74	577.81	578.04	577.94	577.56	577.20	576.67	576.38	577.53
1931	576.59	576.75	576.46	575.91	575.94	575.98	576.12	575.94	575.64	575.55	575.29	575.26	575.95
1932	575.24	575.35	575.72	575.34	575.47	575.59	575.72	575.58	575.47	575.15	575.02	574.91	575.38
1933	574.77	575.14	574.82	575.06	575.45	575.72	575.76	575.64	575.27	575.02	574.83	574.82	575.19
1934	575.00	574.89	574.84	574.67	574.85	574.96	575.11	575.06	574.93	574.82	574.56	574.76	574.87
1935	575.15	574.59	574.85	574.98	575.18	575.32	575.64	575.64	575.42	575.22	575.14	575.30	575.20
1936	575.41	575.38	575.24	575.28	575.50	575.71	575.70	575.52	575.56	575.49	575.26	574.86	575.41
1937	574.97	575.38	575.10	575.16	575.56	575.73	575.86	575.81	575.68	575.37	575.12	575.03	575.40
1938	575.16	575.35	575.72	575.81	576.03	576.37	576.59	576.71	576.56	576.32	576.04	575.82	576.04
1939	575.94	575.85	576.25	576.04	576.36	576.67	576.91	576.94	576.84	576.54	576.26	575.99	576.38
1940	576.36	576.14	575.88	575.68	575.81	576.15	576.35	576.38	576.38	576.11	575.88	575.76	576.07
1941	576.23	576.43	575.95	575.81	575.95	576.04	576.05	575.94	575.80	575.89	575.87	575.82	575.98
1942	575.82	576.82	576.25	576.35	576.59	577.01	577.12	577.07	576.89	576.69	576.49	576.38	576.62
1943	576.94	576.94	576.79	576.85	577.31	577.89	578.28	578.36	578.22	577.92	577.72	577.64	577.57
1944	577.87	577.54	577.41	577.21	577.41	577.61	577.73	577.62	577.51	577.35	577.01	576.90	577.43
1945	577.27	576.84	576.54	576.88	577.28	577.71	577.98	577.86	577.68	577.66	577.36	577.38	577.37
1946	577.64	577.85	577.53	577.57	577.54	577.77	577.89	577.68	577.33	576.99	576.75	576.52	577.42
1947	576.74	577.00	576.42	576.84	577.38	577.81	578.08	578.05	577.90	577.68	577.39	577.16	577.37
1948	577.27	577.19	577.00	577.36	577.83	577.77	577.81	577.66	577.30	576.75	576.41	576.32	577.22
1949	576.19	576.36	576.52	576.37	576.55	576.65	576.74	576.60	576.25	575.95	575.56	575.32	576.26

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

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

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1950	575.54	576.11	576.05	576.24	576.43	576.61	576.87	576.98	576.96	576.80	576.61	576.71	576.49
1951	576.98	577.11	576.89	577.36	577.82	578.04	578.33	578.38	578.25	578.26	578.27	578.41	577.84
1952	578.56	578.60	578.46	578.88	579.07	579.21	579.34	579.44	579.21	578.73	578.22	578.14	578.82
1953	578.05	577.96	578.00	578.17	578.47	578.70	578.91	578.91	578.64	578.27	577.85	577.58	578.29
1954	577.72	577.80	577.53	577.65	577.99	578.24	578.50	578.44	578.21	578.49	578.33	578.20	578.09
1955	578.23	578.18	577.95	578.00	578.22	578.32	578.27	578.05	577.55	577.20	576.89	576.71	577.80
1956	577.12	576.90	576.73	576.70	577.16	577.32	577.51	577.52	577.33	576.93	576.62	576.39	577.02
1957	576.78	576.49	576.10	576.22	576.50	576.67	577.02	576.91	576.67	576.38	576.10	576.04	576.49
1958	576.63	576.80	575.68	575.75	575.94	576.00	576.08	576.04	575.86	575.59	575.24	575.15	575.90
1959	575.53	575.38	575.04	575.37	575.71	576.02	576.02	576.01	575.92	575.85	575.87	575.85	575.71
1960	576.22	576.54	576.18	576.33	576.97	577.44	577.75	577.87	577.72	577.46	577.11	577.09	577.06
1961	576.99	576.58	576.54	576.70	576.93	576.96	577.03	577.03	576.91	576.74	576.49	576.29	576.77
1962	576.56	576.43	576.26	576.36	576.54	576.68	576.68	576.55	576.41	576.10	575.75	575.59	576.33
1963	575.59	575.59	575.19	575.46	575.66	575.72	575.74	575.75	575.51	575.23	574.98	574.74	575.43
1964	574.80	574.70	574.33	574.37	574.76	574.84	574.94	574.91	574.87	574.64	574.43	574.30	574.66
1965	574.67	574.78	574.58	574.90	575.31	575.55	575.64	575.68	575.68	575.81	575.64	575.71	575.33
1966	576.00	576.01	575.84	576.09	576.34	576.43	576.46	576.30	576.11	575.70	575.49	575.78	576.05
1967	575.74	576.14	575.75	576.26	576.56	576.80	577.09	577.03	576.82	576.51	576.59	576.47	576.48
1968	576.72	576.88	576.44	576.60	576.77	576.97	577.22	577.34	577.28	577.16	576.97	576.93	576.94
1969	577.30	577.18	576.93	577.26	577.70	578.02	578.44	578.50	578.20	577.83	577.71	577.70	577.73
1970	578.04	577.77	577.22	577.28	577.52	577.81	577.93	577.95	577.83	577.63	577.54	577.50	577.67
1971	577.75	577.60	577.67	577.81	578.04	578.30	578.41	578.42	578.23	577.97	577.75	577.65	577.97
1972	577.73	577.75	577.61	577.79	578.18	578.35	578.50	578.66	578.75	578.66	578.55	578.46	578.25
1973	578.58	578.72	578.72	578.97	579.16	579.42	579.51	579.49	579.24	578.92	578.69	578.55	579.00
1974	578.51	578.64	578.71	578.91	579.21	579.37	579.53	579.36	579.04	578.63	578.41	578.26	578.88
1975	578.19	578.25	578.44	578.55	578.72	578.95	579.02	578.91	578.87	578.45	578.07	578.05	578.54
1976	578.34	578.21	578.36	578.72	578.98	579.00	579.11	578.91	578.56	578.06	577.51	577.28	578.42
1977	577.42	577.01	576.92	577.30	577.36	577.31	577.35	577.30	577.24	577.21	577.07	577.12	577.22
1978	577.59	577.27	577.05	577.32	577.49	577.64	577.70	577.71	577.66	577.64	577.34	577.15	577.46
1979	577.59	577.40	577.21	577.83	578.21	578.41	578.55	578.63	578.52	578.18	577.99	578.02	578.04

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

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1980	577.97	577.91	577.78	577.94	578.19	578.38	578.45	578.51	578.40	578.12	577.71	577.78	578.10
1981	578.01	577.39	577.48	577.59	577.89	578.00	578.20	578.11	578.15	577.93	577.66	577.40	577.82
1982	577.58	577.29	577.22	577.52	577.53	577.65	577.76	577.74	577.56	577.36	577.35	577.57	577.51
1983	577.66	577.63	577.71	577.85	578.38	578.67	578.73	578.67	578.42	578.17	577.96	577.99	578.15
1984	578.28	577.93	578.02	578.77	578.33	578.62	578.82	578.77	578.63	578.44	578.35	578.17	578.43
1985	578.43	578.36	578.71	579.10	579.32	579.39	579.33	579.20	579.20	579.01	579.17	579.35	579.05
1986													
1987													
1988													
1989													
1990													
1991													
1992													
1993													
1994													
1995													
1996													
1997													
1998													
1999													
2000													
2001													
2002													
2003													
2004													
2005													
2006													
2007													
2008													
2009													

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

SUMMARY OF AVERAGE AND EXTREME LEVELS  
 WATER LEVELS IN FEET, IGLD (1955)

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

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
MONTHLY AVERAGE FOR PERIOD 1899 THRU 1985													
	576.92	576.93	576.77	576.86	577.08	577.27	577.42	577.38	577.21	576.98	576.75	576.75	577.03
MONTHLY AVERAGE FOR PERIOD 1900 THRU 1985													
	576.92	576.93	576.76	576.86	577.08	577.27	577.41	577.37	577.21	576.98	576.75	576.75	577.02
MONTHLY AVERAGE FOR PERIOD 1976 THRU 1985													
	577.89	577.64	577.65	577.99	578.17	578.31	578.40	578.36	578.23	578.01	577.81	577.78	578.02
HIGHEST MONTHLY AVERAGE FOR PERIOD 1899 THRU 1985													
LEVEL	578.58	578.72	578.72	579.10	579.32	579.42	579.53	579.49	579.24	579.01	579.17	579.35	579.05
YEAR	1973	1973	1973	1985	1985	1973	1974	1973	1973	1985	1985	1985	1985
LOWEST MONTHLY AVERAGE FOR PERIOD 1899 THRU 1985													
LEVEL	574.67	574.59	574.33	574.37	574.76	574.84	574.94	574.91	574.87	574.64	574.43	574.30	574.66
YEAR	1965	1935	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964
HIGHEST MONTHLY AVERAGE FOR PERIOD 1899 THRU 1985 .....579.53 JUL 1974													
LOWEST MONTHLY AVERAGE FOR PERIOD 1899 THRU 1985 .....574.30 DEC 1964													



U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

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

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1890													
1891													
1892													
1893													
1894													
1895													
1896													
1897													
1898													
1899													
1900													
1901	577.58	578.00	577.69	578.18	577.86	577.78	577.99	578.06	577.85	577.61	577.40	577.25	577.77
1902	577.69	577.47	576.79	576.96	577.18	577.47	577.77	577.85	577.58	577.52	577.32	577.08	577.39
1903	577.21	577.61	577.24	577.43	577.47	577.65	577.81	577.79	577.83	577.83	577.42	577.42	577.56
1904			577.69	577.84	578.03	578.38	578.50	578.51	578.34	578.20	577.89	577.67	578.10
1905	578.40	578.20	577.84	577.64	577.94	578.37	578.54	578.57	578.38	578.16	577.88	577.66	578.13
1906													
1907													
1908											577.50		577.50
1909										577.43	577.12		577.28
1910							577.54	577.38	577.35	577.22			577.37
1911													
1912													
1913													
1914													
1915													
1916													
1917													
1918													
1919													

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

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

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1920													
1921													
1922													
1923													
1924													
1925													
1926													
1927													
1928					576.41	576.72	576.91	576.83	576.51	576.49			576.64
1929						577.31	577.65						577.48
							579.40	579.30					579.35
1930													
1931								578.30					578.30
1932													
1933													
1934													
1935													
1936													
1937													
1938													
1939													
1940													
1941													
1942													
1943													
1944													
1945													
1946													
1947													
1948													
1949													

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

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

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1950													
1951													
1952													
1953	578.49	578.36	578.75	578.68	578.94	579.19	579.41	579.44	579.02	578.71	578.68	578.59	578.64
1954			577.95	578.09	578.44	578.68	578.88	578.90	578.65	578.91	578.25	578.02	578.77
												578.65	578.57
1955	578.64	578.49	578.34	578.39	578.56	578.71	578.68	578.48	577.99	577.64	577.28	577.13	578.19
1956	577.37	577.12	577.10	577.05	577.57	577.73	577.86	577.90	577.73	577.31	576.98	576.80	577.38
1957	577.01	576.74	576.47	576.57	576.86	577.02	577.39	577.22	577.04	576.76	576.49	576.39	576.83
1958	576.90	577.03	576.06	576.16	576.33	576.35	576.50	576.46	576.20	575.95	575.63	575.48	576.25
1959	575.71	575.57	575.35	575.79	576.09	576.32	576.33	576.35	576.29	576.14	576.22	576.21	576.03
1960	576.54	576.79	576.50	576.71	577.36	577.86	578.14	578.25	578.11	577.84	577.46	577.42	577.42
1961	577.25	576.85	576.90	577.03	577.28	577.29	577.38	577.37	577.26	577.10	576.88	576.63	577.10
1962	576.79	576.84	576.51	576.71	576.91	577.06	577.05	576.91	576.78	576.45	576.03	575.77	576.65
1963	575.85	575.75	575.45	575.78	575.98	576.09	576.11	576.10	575.84	575.58	575.30	575.07	575.74
1964	574.90	574.75	574.63	574.67	575.08	575.16	575.29	575.24	575.20	574.96	574.78	574.61	574.94
1965	574.88	575.01	574.87	575.22	575.64	575.90	576.04	576.07	576.08	576.23	576.04	576.06	575.67
1966	576.30	576.25	576.22	576.48	576.72	576.81	576.87	576.70	576.52	576.09	575.88	576.16	576.42
1967	576.08	576.30	576.07	576.62	576.94	577.23	577.48	577.42	577.19	576.85	576.97	576.85	576.83
1968	577.03	577.23	576.75	576.94	577.10	577.36	577.66	577.75	577.67	577.57	577.37	577.29	577.31
1969	577.44	577.34	577.25	577.62	578.06	578.40	578.75	578.74	578.45	578.17	578.03	577.80	578.00
1970	578.21	578.10	577.53	577.61	577.90	578.18	578.32	578.32	578.20	577.99	577.89	577.85	578.01
1971	577.99	577.87	577.98	578.19	578.37	578.66	578.84	578.82	578.61	578.35	578.10	578.02	578.32
1972	578.09	578.05	577.85	578.12	578.56	578.80	578.89	579.05	579.13	579.06	578.93	578.81	578.61
1973				579.34	579.53	579.80	579.87	579.90	579.69	579.32	579.10	578.94	579.50
1974	578.80	578.90	579.06	579.25	579.59	579.83	580.09	579.79	579.44	579.05	578.82	578.62	579.27
1975	578.50	578.49	578.68	578.90	579.10	579.34	579.43	579.33	579.28	578.77	578.39	578.38	578.88
1976	578.57	578.48	578.69	579.11	579.41	579.41	579.50	579.36	578.97	578.46	577.92	577.65	578.79
1977	577.78	577.41	577.31	577.68	577.74	577.70	577.72	577.69	577.63	577.53	577.40	577.45	577.59
1978	577.92	577.61	577.47	577.68	577.90	578.00	578.11	578.07	578.04	577.99	577.75	577.47	577.83
1979	577.78	577.62	577.55	578.20	578.59	578.85	578.96	579.04	578.91	578.55	578.34	578.37	578.40

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

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

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1980	578.30	578.18	578.09	578.42	578.55	578.74	578.81	578.86	578.75	578.47	578.09	578.10	578.45
1981	578.19	577.67	577.84	577.94	578.26	578.39	578.55	578.48	578.54	578.28	578.04	577.76	578.16
1982	577.71	577.43	577.44	577.84	577.86	578.32	578.06	578.14	577.95	577.74	577.71	577.91	577.84
1983	578.03	577.98	578.07	578.28	578.75	579.05	579.12	579.07	578.80	578.57	578.36	578.31	578.53
1984	578.53	578.25	578.31	579.01	578.71	579.03	579.24	579.19	579.05	578.85	578.76	578.56	578.79
1985	578.88	578.68	579.11	579.50	579.75	579.81	579.75	579.60	579.58	579.41	579.58	579.72	579.45
1986													
1987													
1988													
1989													
1990													
1991													
1992													
1993													
1994													
1995													
1996													
1997													
1998													
1999													
2000													
2001													
2002													
2003													
2004													
2005													
2006													
2007													
2008													
2009													

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

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
MONTHLY AVERAGE FOR PERIOD 1901 THRU 1985													
	577.47	577.38	577.28	577.57	577.78	577.97	578.12	578.11	577.91	577.69	577.50	577.43	577.68
MONTHLY AVERAGE FOR PERIOD 1976 THRU 1985													
	578.17	577.93	577.99	578.37	578.55	578.73	578.78	578.75	578.62	578.38	578.20	578.13	578.38
HIGHEST MONTHLY AVERAGE FOR PERIOD 1901 THRU 1985													
LEVEL	578.88	578.90	579.11	579.50	579.75	579.83	580.09	579.90	579.69	579.41	579.58	579.72	579.50
YEAR	1985	1974	1985	1985	1985	1974	1974	1973	1973	1985	1985	1985	1973
LOWEST MONTHLY AVERAGE FOR PERIOD 1901 THRU 1985													
LEVEL	574.88	574.75	574.63	574.67	575.08	575.16	575.29	575.24	575.20	574.96	574.78	574.61	574.94
YEAR	1965	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964
HIGHEST MONTHLY AVERAGE FOR PERIOD 1901 THRU 1985							....580.09	JUL	1974				
LOWEST MONTHLY AVERAGE FOR PERIOD 1901 THRU 1985							.....574.61	DEC	1964				

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

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

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1950													
1951													
1952													
1953													
1954													
1955		578.80	578.75	578.85	579.04	579.16	579.11	578.90	578.43	577.97	577.71	577.45	578.56
1956	577.51	577.27	577.36	577.48	577.91	578.11	578.23	578.27	578.09	577.68	577.37	577.18	577.70
1957	577.22	577.01	576.79	576.92	577.17	577.33	577.76	577.63	577.41	577.17	576.85	576.75	577.17
1958	577.08	577.12	576.45	576.52	576.81	576.79	576.88	576.82	576.66	576.37	576.05	575.81	576.61
1959	575.87	575.75	575.72	576.16	576.52	576.76	576.73	576.76	576.70	576.60	576.63	576.66	576.40
1960	576.88	577.04	576.82	577.06	577.80	578.29	578.60	578.70	578.58	578.30	577.94	577.85	577.82
1961	577.61	577.31	577.36	577.50	577.70	577.73	577.81	577.80	577.66	577.52	577.32	577.07	577.53
1962	577.04	577.06	576.94	577.14	577.36	577.46	577.47	577.32	577.21	576.89	576.48	576.19	577.05
1963	575.95	575.84	575.62	575.97	576.18	576.32	576.36	576.34	576.08	575.99	575.74	575.46	575.99
1964	575.22	575.20	575.04	575.06	575.46	575.52	575.67	575.66	575.61	575.40	575.18	575.08	575.34
1965	575.22	575.27	575.26	575.64	576.12	576.35	576.43	576.47	576.45	576.58	576.43	576.54	576.06
1966	576.70	576.64	576.62	576.89	577.19	577.18	577.24	577.10	576.92	576.49	576.28	576.53	576.82
1967	576.48	576.73	576.43	576.99	577.42	577.65	577.92	577.85	577.64	577.30	577.42	577.28	577.26
1968	577.33	577.51	577.18	577.35	577.55	577.79	578.07	578.20	578.14	578.05	577.91	577.79	577.74
1969	577.89	577.96	577.78	578.11	578.56	578.89	579.27	579.35	579.09	578.71	578.58	578.47	578.56
1970	578.43	578.30	578.01	578.07	578.37	578.69	578.80	578.87	578.74	578.51	578.45	578.38	578.47
1971	578.43	578.22	578.50	578.71	578.95	579.22	579.32	579.31	579.16	578.87	578.66	578.57	578.83
1972	578.55	578.48	578.37	578.54	579.07	579.33	579.44	579.59	579.68	579.58	579.45	579.33	579.12
1973	579.44	579.40	579.49	579.83	580.03	580.29	580.37	580.39	580.15	579.89	579.37	579.46	579.84
1974	579.21	579.38	579.49	579.70	580.03	580.25	580.44	580.28	580.06	579.61	579.33	579.11	579.74
1975	579.02	579.00	579.13	579.36	579.58	579.82	579.93	579.84	579.76	579.31	578.94	578.90	579.38
1976	578.93	578.85	579.07	579.77	579.90			579.67	579.39	578.88	578.29	577.96	579.07
1977	577.92	577.64	577.68	578.06	578.15	578.10	578.18	578.07	578.00	577.94	577.87	577.84	577.95
1978	578.11	577.86	577.72	578.03	578.27	578.43	578.53	578.50	578.48	578.46	578.27	577.87	578.21
1979	578.11	577.97	577.95	578.60	579.05	579.34	579.43	579.49	579.34		578.84	578.81	578.81

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

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1980	578.77	578.62	578.50	578.81	578.98	579.19	579.27	579.29	579.21	578.97	578.58	578.54	578.89
1981	578.46	578.07	578.31	578.42	578.75	578.84	579.01	578.90	578.97	578.71	578.49	578.20	578.59
1982	578.12	577.85	577.78	578.21	578.28	578.46	578.54	578.57	578.39	578.19	578.16	578.33	578.24
1983	578.42	578.38	578.49	578.71	579.17	579.49	579.58	579.47	579.24	579.01	578.77	578.68	578.95
1984	578.71	578.62	578.63	579.19	579.18	579.41	579.67	579.63	579.46	579.27	579.18	579.01	579.16
1985	579.21	579.08	579.47	579.92	580.20	580.26	580.17	580.05	580.04	579.85	580.01	580.10	579.86
1986													
1987													
1988													
1989													
1990													
1991													
1992													
1993													
1994													
1995													
1996													
1997													
1998													
1999													
2000													
2001													
2002													
2003													
2004													
2005													
2006													
2007													
2008													
2009													

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

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
MONTHLY AVERAGE FOR PERIOD 1955 THRU 1985													
	577.73	577.68	577.64	577.92	578.22	578.35	578.47	578.49	578.35	578.07	577.86	577.78	578.05
MONTHLY AVERAGE FOR PERIOD 1976 THRU 1985													
	578.48	578.29	578.36	578.77	578.99	579.06	579.15	579.16	579.05	578.81	578.62	578.54	578.77
HIGHEST MONTHLY AVERAGE FOR PERIOD 1955 THRU 1985													
LEVEL	579.44	579.40	579.49	579.92	580.20	580.29	580.44	580.39	580.15	579.89	580.01	580.10	579.86
YEAR	1973	1973	1974	1985	1985	1973	1974	1973	1973	1973	1985	1985	1985
LOWEST MONTHLY AVERAGE FOR PERIOD 1955 THRU 1985													
LEVEL	575.22	575.20	575.04	575.06	575.46	575.52	575.67	575.66	575.61	575.40	575.18	575.08	575.34
YEAR	1965	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964
HIGHEST MONTHLY AVERAGE FOR PERIOD 1955 THRU 1985							.....580.44	JUL		1974			
LOWEST MONTHLY AVERAGE FOR PERIOD 1955 THRU 1985							.....575.04	MAR		1964			



U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

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

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1950													
1951													
1952													
1953													
1954													
1955													
1956													
1957													
1958													
1959													
1960													
1961													
1962													
1963													
1964													
1965													
1966													
1967													
1968													
1969													
1970	578.59	578.55	578.49	578.56	578.84	579.15	579.25	579.25	579.20	578.93	578.83	578.81	578.87
1971	578.76	578.53	578.89	579.15	579.44	579.68	579.79	579.82	579.71	579.37	579.14	579.02	579.28
1972	578.96	578.86	578.86	579.04	579.52	579.80	579.91	580.05	580.23	580.11	580.12	579.84	579.61
1973						580.85	580.83	580.84	580.61	580.29	580.08	579.86	580.48
1974	579.67	579.80	579.92	580.14	580.49	580.74	580.92	580.72	580.41	580.01	579.78	579.57	580.18
1975	579.40	579.40	579.52	579.78	580.06	580.28	580.37	580.26	580.17	579.75	579.36	579.35	579.81
1976	579.17	579.12	579.47	580.03	580.44	580.49	580.51	580.25	579.86	579.37	578.78	578.37	579.66
1977	578.14	577.93	578.06	578.48	578.54	578.51	578.49	578.53	578.39	578.35	578.37	578.74	578.38
1978		578.09	578.05	578.45	578.80	578.84	579.00	578.96	578.89	578.93	578.62	578.32	578.63
1979	578.38	578.29	578.42	579.02	579.53	579.81							578.91

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

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

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1980													
1981													
1982	578.33	578.08	578.04	578.84	579.06	579.15	579.35	579.24	579.30	579.02	578.80	578.50	579.03
1983	578.80	578.72	578.91	579.11	579.55	579.93	579.98	579.89	579.65	579.43	579.18	579.01	579.35
1984	578.93	578.98	578.96	579.34	579.63	579.90	580.13	580.08	579.94	579.76	579.66	579.45	579.56
1985	579.55	579.36	579.83	580.30	580.61	580.66	580.62	580.49	580.48	580.32	580.45	580.53	580.27
1986													
1987													
1988													
1989													
1990													
1991													
1992													
1993													
1994													
1995													
1996													
1997													
1998													
1999													
2000													
2001													
2002													
2003													
2004													
2005													
2006													
2007													
2008													
2009													

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

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
MONTHLY AVERAGE FOR PERIOD 1970 THRU 1985													
	578.89	578.75	578.88	579.19	579.50	579.77	579.85	579.81	579.69	579.44	579.26	579.15	579.35
MONTHLY AVERAGE FOR PERIOD 1976 THRU 1985													
	578.76	578.57	578.72	579.11	579.41	579.56	579.61	579.55	579.41	579.22	579.05	578.95	579.16
HIGHEST MONTHLY AVERAGE FOR PERIOD 1970 THRU 1985													
LEVEL	579.67	579.80	579.92	580.30	580.61	580.85	580.92	580.84	580.61	580.32	580.45	580.53	580.48
YEAR	1974	1974	1974	1985	1985	1973	1974	1973	1973	1985	1985	1985	1973
LOWEST MONTHLY AVERAGE FOR PERIOD 1970 THRU 1985													
LEVEL	578.14	577.93	578.04	578.45	578.54	578.51	578.49	578.53	578.39	578.35	578.37	578.32	578.38
YEAR	1977	1977	1982	1978	1977	1977	1977	1977	1977	1977	1977	1978	1977
HIGHEST MONTHLY AVERAGE FOR PERIOD 1970 THRU 1985							....580.92	JUL		1974			
LOWEST MONTHLY AVERAGE FOR PERIOD 1970 THRU 1985							.....577.93	FEB		1977			

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 4099 : Fort Gratiot, Port Huron, Michigan on the St. Clair River

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1890													
1891													
1892													
1893													
1894													
1895													
1896													
1897													
1898													
1899											578.30	578.10	578.20
1900	577.92	577.93	577.92	578.01	578.25	578.36	578.62	578.71					578.22
1901													
1902													
1903													
1904													
1905													
1906													
1907													
1908													
1909										578.39	578.05	578.17	578.17
1910					578.36	578.57	578.45	578.31	578.22	578.08	577.84		578.26
1911						578.05	578.01	577.92	577.67	577.65			577.86
1912													
1913													
1914													
1915													
1916													
1917													
1918													
1919													

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 4099 : Fort Gratiot, Port Huron, Michigan on the St. Clair River

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1920													
1921													
1922													
1923													
1924													
1925													
1926													
1927													
1928									578.43				578.43
1929													
1930													
1931													
1932													
1933													
1934													
1935													
1936													
1937						576.68	576.70	576.73	576.60	576.26	576.05	575.81	576.40
1938	575.69	576.09	576.26	576.73	577.00	577.36	577.59	577.70	577.58	577.33	577.04	576.80	576.93
1939	576.74	576.83	576.87	576.99	577.36	577.70	577.97	577.97	577.90	577.58	577.33	577.01	577.35
1940	576.89	576.82	576.62	576.64	576.79	577.12	577.33	577.34	577.35	577.09	576.80	576.71	576.96
1941	576.81	576.90	576.71	576.72	576.99	577.06	577.04	576.90	576.75	576.88	576.90	576.85	576.88
1942	576.92	577.17	577.06	577.39	577.64	578.07	578.15	578.05	577.89	577.65	577.52	577.30	577.57
1943	577.44	577.54	577.54	577.93	578.30	578.93	579.35	579.45	579.32	579.02	578.81	578.67	578.52
1944	578.42	578.25	578.17	578.31	578.47	578.68	578.78	578.67	578.51	578.46	578.10	577.89	578.39
1945	577.88	577.59	577.51	577.88	578.28	578.75	579.03	578.88	578.77	578.63	578.44	578.32	578.33
1946	578.31	578.50	578.52	578.68	578.66	578.85	578.94	578.70	578.41	578.03	577.76	577.52	578.41
1947	577.30	577.58	577.37	577.74	578.32	578.79	579.13	579.10	578.93	578.73	578.49	578.24	578.31
1948	578.08	577.91	577.87	578.26	578.86	578.83	578.85	578.71	578.33	577.75	577.39	577.29	578.18
1949	577.17	577.14	577.21	577.35	577.50	577.55	577.73	577.59	577.25	576.88	576.51	576.21	577.17

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 4099 : Fort Gratiot, Port Huron, Michigan on the St. Clair River

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1950	576.32	576.66	576.66	577.06	577.36	577.58	577.88	578.02	578.04	577.86	577.68	577.67	577.40
1951	577.69	577.71	577.86	578.36	578.94	579.11	579.45	579.52	579.32	579.42	579.40	579.44	578.85
1952	579.48	579.58	579.44	579.97	580.23	580.43	580.49	580.59	580.39	579.94	579.41	579.35	579.94
1953	579.28	579.06	579.12	579.39	579.64	579.89	580.08	580.17	579.77	579.45	579.02	578.72	579.47
1954	578.47	578.39	578.62	578.74	579.13	579.39	579.63	579.55	579.34	579.67	579.47	579.35	579.15
1955	579.16	579.05	579.02	579.11	579.30	579.41	579.34	579.12	578.61	578.20	577.93	577.70	578.83
1956	577.67	577.45	577.54	577.69	578.12	578.33	578.50	578.52	578.31	577.89	577.58	577.39	577.92
1957	577.35	577.20	577.05	577.13	577.40	577.57	577.94	577.81	577.62	577.34	577.06	577.02	577.37
1958	577.20	577.29	576.64	576.72	576.96	576.90	576.97	576.94	576.79	576.52	576.18	575.91	576.75
1959	575.94	575.83	575.88	576.32	576.68	576.92	576.93	576.93	576.87	576.80	576.81	576.86	576.56
1960	577.09	577.19	577.01	577.26	578.02	578.52	578.86	579.00	578.84	578.56	578.14	578.05	578.04
1961	577.85	577.56	577.63	577.72	577.90	577.93	578.02	578.01	577.90	577.74	577.55	577.29	577.76
1962	577.19	577.19	577.15	577.35	577.54	577.69	577.70	577.52	577.42	577.08	576.77	576.49	577.26
1963	576.20	576.10	575.97	576.35	576.52	576.66	576.69	576.69	576.43	576.21	575.91	575.58	576.28
1964	575.35	575.26	575.12	575.16	575.61	575.71	575.81	575.81	575.75	575.54	575.36	575.19	575.47
1965	575.27	575.32	575.35	575.75	576.23	576.50	576.62	576.68	576.69	576.84	576.67	576.72	576.22
1966	576.86	576.78	576.82	577.11	577.37	577.46	577.52	577.34	577.16	576.72	576.50	576.76	577.03
1967	576.68	576.85	576.69	577.27	577.67	577.94	578.18	578.11	577.90	577.58	577.68	577.51	577.50
1968	577.50	577.73	577.41	577.60	577.79	578.01	578.29	578.44	578.39	578.31	578.14	578.03	577.97
1969	578.03	578.16	578.02	578.31	578.78	579.09	579.54	579.60	579.36	579.01	578.82	578.71	578.79
1970	578.57	578.50	578.29	578.29	578.65	578.91	579.09	579.10	579.01	578.80	578.67	578.81	578.72
1971		578.36	578.80	579.04	579.30	579.58	579.70	Station Relocated				578.81	579.13
1972													
1973													
1974													
1975													
1976													
1977													
1978													
1979													

Station 4099 : Fort Gratiot, Port Huron, Michigan on the St. Clair River

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
MONTHLY AVERAGE FOR PERIOD 1899 THRU 1971													
	577.37	577.41	577.36	577.61	577.94	578.13	578.29	578.22	578.05	577.83	577.62	577.48	577.78
MONTHLY AVERAGE FOR PERIOD 1900 THRU 1971													
	577.37	577.41	577.36	577.61	577.94	578.13	578.29	578.22	578.05	577.83	577.60	577.47	577.77
MONTHLY AVERAGE FOR PERIOD 1962 THRU 1971													
	576.85	577.02	576.96	577.22	577.55	577.76	577.91	577.70	577.57	577.34	577.17	577.09	577.34
HIGHEST MONTHLY AVERAGE FOR PERIOD 1899 THRU 1971													
LEVEL	579.48	579.58	579.44	579.97	580.23	580.43	580.49	580.59	580.39	579.94	579.47	579.44	579.94
YEAR	1952	1952	1952	1952	1952	1952	1952	1952	1952	1952	1954	1951	1952
LOWEST MONTHLY AVERAGE FOR PERIOD 1899 THRU 1971													
LEVEL	575.27	575.26	575.12	575.16	575.61	575.71	575.81	575.81	575.75	575.54	575.36	575.19	575.47
YEAR	1965	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964
HIGHEST MONTHLY AVERAGE FOR PERIOD 1899 THRU 1971 .....580.59      AUG      1952													
LOWEST MONTHLY AVERAGE FOR PERIOD 1899 THRU 1971 .....575.12      MAR      1964													

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 5002 : Lakeport, Michigan on Lake Huron

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1950													
1951													
1952													
1953													
1954													
1955									578.89	578.49	578.20	578.00	578.40
1956	577.92	577.77	577.78	577.96	578.36	578.58	578.76	578.77	578.57	578.18	577.87	577.67	578.18
1957	577.47	577.36	577.33	577.37	577.65	577.82	578.17	578.04	577.84	577.58	577.33	577.22	577.60
1958	577.29	577.36	577.23	577.20	577.19	577.17	577.25	577.15	576.99	576.70	576.38	576.10	577.00
1959	576.02	575.95	576.05	576.53	576.92	577.17	577.15	577.13	577.09	577.03	577.07	577.08	576.77
1960	577.19	577.37	577.23	577.47	578.29	578.75	579.13	579.26	579.12	578.85	578.50	578.30	578.29
1961	577.99	577.76	577.86	577.93	578.11	578.18	578.26	578.25	578.11	578.00	577.82	577.53	577.98
1962	577.30	577.31	577.36	577.61	577.84	577.96	577.96	577.79	577.68	577.34	576.96	576.74	577.49
1963	576.33	576.26	576.26	576.56	576.79	576.91	576.93	576.92	576.69	576.43	576.16	575.81	576.50
1964	575.48	575.46	575.38	575.40	575.84	575.93	576.03	576.03	575.99	575.78	575.58	575.42	575.69
1965	575.43	575.53	575.64	575.98	576.50	576.78	576.88	576.92	576.99	577.11	576.98	577.03	576.48
1966	577.16	577.03	577.12	577.39	577.63	577.69	577.71	577.57	577.39	576.97	576.74	576.97	577.28
1967	576.89	577.02	576.91	577.46	577.86	578.11	578.39	578.33	578.12	577.79	577.90	577.68	577.70
1968	577.65	577.86	577.64	577.81	578.03	578.22	578.50	578.66	578.63	578.55	578.38	578.25	578.18
1969	578.21	578.38	578.26	578.52	578.98	579.33	579.75	579.82	579.58	579.23	579.09	578.90	579.00
1970	578.64	578.61	578.54	578.58	578.89	579.21	579.32	579.34	579.25	579.05	578.96	578.90	578.94
1971	578.81	578.68	579.01	579.22	579.52	579.75	579.88	579.89	579.69	579.42	579.22	579.13	579.35
1972	579.05	578.94	578.93	579.12	579.61	579.87	579.97	580.16	580.28	580.16	580.02	579.85	579.66
1973	579.89	579.89	580.03	580.35	580.61	580.88	580.96	580.98	580.77	580.46	580.22	579.99	580.42
1974	579.79	579.94	580.02	580.24	580.60	580.85	581.04	580.84	580.53	580.14	579.91	579.69	580.30
1975	579.53	579.54	579.60	579.85	580.17	580.39	580.48	580.36	580.27	579.86	579.47	579.44	579.91
1976	579.21	579.18	579.58	580.11	580.42	580.44	580.55	580.34	579.96	579.45	578.89	578.44	579.71
1977	578.17	577.99	578.16	578.56	578.61	578.58	578.59	578.55	578.47	578.43	578.37	578.27	578.40
1978	578.45	578.26	578.17	578.43	578.71	578.90	579.00	579.00	578.99	579.01	578.71	578.51	578.68
1979	578.46	578.35	578.49	579.09	579.61	579.82	579.99	580.06	579.91	579.57	579.39	579.41	579.35



U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 5002 : Lakeport, Michigan on Lake Huron

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1980	579.27	579.18	579.04	579.29	579.51	579.72	579.79	579.79	579.72	579.49	579.12	578.99	579.41
1981	578.74	578.52	578.82	578.92	579.26	579.35	579.52	579.43	579.49	579.19	578.99	578.67	579.08
1982	578.42	578.26	578.19	578.61	578.73	578.93	579.00	579.07	578.90	578.71	578.68	578.85	578.70
1983	578.95	578.89	579.04	579.26	579.69	580.05	580.10	580.00	579.79	579.57	579.30	579.13	579.48
1984	579.02	579.07	579.18	579.40	579.75	580.01	580.25	580.20	580.04	579.88	579.79	579.61	579.68
1985	579.73	579.59	579.94	580.43	580.80	580.87	580.78	580.64	580.64	580.49	580.61	580.69	580.43
1986													
1987													
1988													
1989													
1990													
1991													
1992													
1993													
1994													
1995													
1996													
1997													
1998													
1999													
2000													
2001													
2002													
2003													
2004													
2005													
2006													
2007													
2008													
2009													

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

SUMMARY OF AVERAGE AND EXTREME LEVELS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 5002 : Lakeport, Michigan on Lake Huron

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
MONTHLY AVERAGE FOR PERIOD 1955 THRU 1985													
	578.08	578.04	578.09	578.36	578.68	578.87	579.00	578.98	578.85	578.61	578.41	578.27	578.52
MONTHLY AVERAGE FOR PERIOD 1976 THRU 1985													
	578.84	578.73	578.86	579.21	579.51	579.67	579.76	579.71	579.59	579.38	579.18	579.06	579.29
HIGHEST MONTHLY AVERAGE FOR PERIOD 1955 THRU 1985													
LEVEL	579.89	579.94	580.03	580.43	580.80	580.88	581.04	580.98	580.77	580.49	580.61	580.69	580.43
YEAR	1973	1974	1973	1985	1985	1973	1974	1973	1973	1985	1985	1985	1985
LOWEST MONTHLY AVERAGE FOR PERIOD 1955 THRU 1985													
LEVEL	575.43	575.46	575.38	575.40	575.84	575.93	576.03	576.03	575.99	575.78	575.58	575.42	575.69
YEAR	1965	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964

HIGHEST MONTHLY AVERAGE FOR PERIOD 1955 THRU 1985 ....581.04 JUL 1974

LOWEST MONTHLY AVERAGE FOR PERIOD 1955 THRU 1985 .....575.38 MAR 1964

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 5014 : Harbor Beach, Michigan on Lake Huron

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1860	580.94	581.12	581.15	581.28	581.40	581.52	581.56	581.37	581.17	580.86	580.53	580.37	581.11
1861	580.26	580.35	580.74	580.84	581.26	581.42	581.55	581.79	581.48	581.36	581.13	580.96	581.10
1862	580.75	580.60	580.90	581.06	581.31	581.44	581.34	581.33	581.26	581.15	580.76	580.62	581.04
1863	580.55	580.60	580.59	580.59	580.80	580.89	580.84	580.71	580.53	580.44	580.27	580.34	580.60
1864	580.11	579.97	580.22	580.37	580.44	580.43	580.33	580.15	579.88	579.49	579.32	579.19	579.99
1865	578.97	579.06	579.23	579.72	579.88	579.92	580.35	580.37	580.25	580.01	579.45	579.14	579.70
1866	578.88	578.64	578.69	579.14	579.32	579.61	579.87	579.93	579.78	579.67	579.58	579.32	579.37
1867	579.29	579.34	579.52	579.81	580.03	580.34	580.49	580.42	580.15	579.82	579.36	579.01	579.80
1868	578.85	578.81	579.49	579.39	579.67	579.88	579.91	579.57	579.33	579.10	579.03	578.75	579.32
1869	578.65	578.72	578.46	578.83	579.16	579.69	580.07	580.33	580.22	579.86	579.74	579.46	579.43
1870	579.51	579.60	579.90	580.32	580.66	580.80	580.91	580.82	580.96	580.56	580.16	579.81	580.33
1871	579.96	579.88	580.48	580.68	581.03	581.07	581.10	580.87	580.20	579.51	579.46	578.87	580.26
1872	578.74	578.74	578.52	578.77	579.02	579.39	579.72	579.70	579.63	579.51	579.22	578.56	579.13
1873	578.55	578.59	578.90	579.47	580.03	580.36	580.32	580.42	580.23	580.17	579.94	579.90	579.74
1874	579.86	580.15	580.30	580.20	580.18	580.55	580.48	580.49	580.31	580.04	579.50	579.65	580.14
1875	579.36	579.30	579.34	579.53	579.88	580.19	580.38	580.35	580.39	580.20	580.09	579.82	579.90
1876	579.94	579.92	580.05	580.33	580.93	581.42	581.86	581.80	581.69	581.29	581.14	580.95	580.94
1877	580.66	580.65	580.58	580.66	580.83	580.79	580.97	580.87	580.60	580.46	580.41	580.36	580.65
1878	580.26	580.09	580.26	580.19	580.59	580.76	580.80	580.70	580.41	580.42	580.23	580.03	580.40
1879	579.73	579.49	579.45	579.48	579.61	579.75	579.79	579.66	579.58	579.34	579.22	579.20	579.52
1880	579.25	579.19	579.18	579.19	579.59	580.08	580.39	580.28	580.17	579.81	579.69	579.49	579.69
1881	579.36	579.75	579.76	579.78	580.10	580.27	580.42	580.25	580.09	580.34	580.47	580.30	580.07
1882	580.15	579.92	580.06	580.28	580.45	580.68	580.82	580.88	580.76	580.53	580.34	580.13	580.42
1883	579.94	579.88	579.92	579.93	580.50	580.92	581.40	581.60	581.28	580.95	581.06	580.95	580.69
1884	580.76	580.61	580.65	580.96	581.18	581.24	581.32	581.20	580.85	581.01	580.66	580.40	580.90
1885	580.67	580.58	580.58	580.69	581.09	581.38	581.44	581.59	581.49	581.26	581.07	580.87	581.06
1886	580.87	580.94	581.13	581.42	581.75	581.94	581.68	581.53	581.35	581.22	580.95	580.63	581.28
1887	580.46	580.65	580.86	580.77	580.97	581.09	581.17	580.96	580.61	580.39	579.94	579.65	580.63
1888	579.54	579.45	579.62	579.76	580.20	580.50	580.53	580.57	580.27	579.98	579.80	579.59	579.98
1889	579.45	579.37	579.35	579.28	579.42	579.75	580.01	579.95	579.78	579.41	579.07	578.91	579.48

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 5014 : Harbor Beach, Michigan on Lake Huron

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1890	578.98	578.86	578.84	578.98	579.29	579.72	579.91	579.91	579.64	579.43	579.23	578.94	579.31
1891	578.73	578.62	578.59	578.92	579.16	579.11	579.14	579.04	578.85	578.48	578.17	578.11	578.74
1892	578.13	578.07	578.13	578.22	578.34	578.87	579.16	579.24	579.07	578.86	578.53	578.29	578.58
1893	578.04	577.99	578.07	578.45	579.05	579.41	579.55	579.41	579.11	578.92	578.67	578.46	578.76
1894	578.43	578.44	578.59	578.82	579.22	579.52	579.67	579.40	579.21	578.97	578.78	578.48	578.96
1895	578.24	578.11	578.12	578.21	578.39	578.46	578.44	578.34	578.20	577.92	577.53	577.29	578.10
1896	577.36	577.48	577.38	577.41	577.81	578.18	578.24	578.28	578.09	577.90	577.76	577.64	577.79
1897	577.72	577.63	577.74	578.10	578.68	578.92	579.10	579.11	578.85	578.50	578.34	578.07	578.40
1898	577.93	577.99	578.22	578.71	578.83	578.99	579.09	578.98	578.79	578.48	578.40	578.21	578.55
1899	577.95	577.81	577.96	578.13	578.68	579.06	579.35	579.26	579.06	578.65	578.51	578.32	578.56
1900	578.09	578.10	578.14	578.25	578.40	578.57	578.82	578.91	578.99	578.93	578.93	578.73	578.57
1901	578.49	578.35	578.34	578.80	579.07	579.16	579.32	579.36	579.13	578.91	578.68	578.36	578.83
1902	578.25	578.06	577.98	578.16	578.41	578.74	579.01	579.09	578.77	578.52	578.43	578.18	578.47
1903	577.99	578.04	578.17	578.52	578.65	578.82	579.00	578.99	579.05	579.08	578.66	578.37	578.61
1904	578.16	578.16	578.33	578.88	579.21	579.67	579.80	579.78	579.61	579.52	579.20	578.75	579.09
1905	578.63	578.55	578.54	578.91	579.20	579.65	579.83	579.82	579.72	579.49	579.20	578.94	579.21
1906	578.79	578.95	579.02	579.20	579.47	579.60	579.72	579.62	579.39	579.14	578.95	578.92	579.23
1907	578.90	578.93	578.93	579.15	579.33	579.64	579.89	579.74	579.67	579.46	579.08	578.87	579.30
1908	578.77	578.68	578.83	579.10	579.51	579.85	580.01	579.92	579.52	579.11	578.71	578.48	579.21
1909	578.15	578.17	578.28	578.39	579.00	579.31	579.37	579.26	579.04	578.64	578.36	578.32	578.69
1910	578.24	578.23	578.24	578.34	578.64	578.78	578.69	578.60	578.48	578.35	578.10	577.80	578.37
1911	577.63	577.60	577.60	577.63	577.92	578.24	578.19	578.11	577.84	577.82	577.70	577.64	577.83
1912	577.59	577.48	577.47	577.70	578.15	578.71	578.67	578.79	578.92	578.79	578.68	578.53	578.29
1913	578.38	578.31	578.33	578.98	579.24	579.39	579.55	579.43	579.13	578.96	578.76	578.64	578.92
1914	578.32	578.36	578.23	578.27	578.54	578.83	578.92	578.84	578.72	578.48	578.21	577.92	578.47
1915	577.68	577.69	577.84	577.72	577.79	577.96	578.09	578.25	578.15	578.02	577.78	577.66	577.89
1916	577.53	577.74	577.68	578.09	578.66	579.12	579.37	579.33	579.12	578.85	578.89	578.83	578.60
1917	578.73	578.66	578.65	578.95	579.32	579.70	580.13	580.13	579.84	579.54	579.38	579.09	579.34
1918	578.97	579.05	579.28	579.57	579.83	580.17	580.14	579.90	579.75	579.38	579.35	579.17	579.55
1919	579.06	578.83	578.87	579.14	579.52	579.58	579.51	579.36	579.04	578.81	578.68	578.49	579.07

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 5014 : Harbor Beach, Michigan on Lake Huron

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1920	578.31	578.16	578.22	578.72	578.87	579.03	579.24	579.17	579.06	578.79	578.48	578.29	578.70
1921	578.17	578.03	578.11	578.44	578.72	578.72	578.66	578.45	578.30	578.10	577.80	577.76	578.27
1922	577.57	577.42	577.57	578.12	578.53	578.76	578.86	578.77	578.54	578.16	577.81	577.44	578.13
1923	577.16	577.07	577.12	577.38	577.77	578.04	578.05	577.95	577.83	577.60	577.28	577.05	577.52
1924	576.87	576.87	576.88	577.04	577.45	577.60	577.79	577.89	577.82	577.42	576.97	576.66	577.27
1925	576.39	576.35	576.51	576.51	576.61	576.66	576.75	576.61	576.38	576.15	575.92	575.86	576.39
1926	575.66	575.61	575.73	576.04	576.34	576.64	576.75	576.74	576.66	576.59	576.46	576.51	576.31
1927	576.44	576.50	576.67	576.96	577.34	577.66	577.82	577.74	577.41	577.38	577.12	577.11	577.18
1928	577.08	577.07	577.24	577.70	578.14	578.31	578.64	578.72	578.70	578.70	578.86	578.86	578.17
1929	578.85	578.72	578.86	579.56	580.23	580.43	580.58	580.43	580.09	579.63	579.45	578.94	579.65
1930	578.83	578.79	578.96	578.99	579.13	579.26	579.48	579.36	578.98	578.58	578.05	577.74	578.85
1931	577.40	577.26	577.21	577.25	577.29	577.30	577.38	577.11	576.82	576.75	576.58	576.51	577.07
1932	576.43	576.50	576.43	576.54	576.71	576.82	576.90	576.76	576.60	576.30	576.17	575.93	576.51
1933	575.79	575.80	575.78	576.10	576.62	576.92	576.94	576.79	576.40	576.15	575.95	575.79	576.25
1934	575.71	575.69	575.65	575.84	576.05	576.13	576.24	576.17	576.07	575.98	575.73	575.96	575.94
1935	575.85	575.89	575.93	576.20	576.36	576.56	576.84	576.81	576.59	576.42	576.34	576.23	576.34
1936	576.16	576.10	576.22	576.46	576.72	576.93	576.85	576.66	576.74	576.71	576.48	576.03	576.50
1937	576.08	576.10	576.22	576.21	576.68	576.85	576.90	576.84	576.75	576.46	576.29	576.06	576.45
1938	575.84	576.21	576.41	576.94	577.19	577.58	577.79	577.92	577.76	577.58	577.36	577.11	577.14
1939	576.94	576.92	577.02	577.20	577.63	577.95	578.18	578.21	578.12	577.87	577.60	577.31	577.58
1940	577.02	576.95	576.80	576.83	577.02	577.34	577.51	577.51	577.56	577.31	577.08	576.95	577.16
1941	576.95	576.99	576.91	576.95	577.22	577.27	577.23	577.07	576.98	577.12	577.25	577.19	577.09
1942	577.12	577.20	577.24	577.65	577.91	578.32	578.42	578.32	578.14	577.96	577.83	577.57	577.81
1943	577.54	577.63	577.77	578.13	578.52	579.20	579.61	579.75	579.62	579.33	579.18	578.97	578.77
1944	578.58	578.52	578.40	578.55	578.77	578.94	579.05	578.94	578.82	578.71	578.38	578.24	578.66
1945	577.94	577.79	577.85	578.16	578.50	579.00	579.26	579.15	578.97	578.91	578.72	578.58	578.57
1946	578.57	578.61	578.81	578.99	578.95	579.13	579.22	578.97	578.65	578.32	578.13	577.85	578.68
1947	577.68	577.70	577.64	577.95	578.58	579.03	579.38	579.35	579.25	579.10	578.84	578.59	578.59
1948	578.29	578.10	578.22	578.68	579.07	579.07	579.10	578.95	578.56	578.01	577.71	577.58	578.44
1949	577.35	577.34	577.38	577.58	577.71	577.79	577.95	577.82	577.49	577.15	576.77	576.51	577.40

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 5014 : Harbor Beach, Michigan on Lake Huron

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1950	576.60	576.65	576.75	577.24	577.57	577.82	578.12	578.23	578.20	578.08	577.91	577.85	577.58
1951	577.83	577.85	578.05	578.62	579.20	579.41	579.75	579.81	579.74	579.76	579.80	579.84	579.14
1952	579.81	579.91	579.87	580.32	580.58	580.73	580.85	580.96	580.76	580.28	579.77	579.71	580.30
1953	579.53	579.40	579.42	579.70	579.95	580.17	580.41	580.41	580.14	579.77	579.41	579.16	579.79
1954	578.80	578.67	578.95	579.06	579.44	579.71	579.96	579.89	579.69	579.91	579.85	579.67	579.47
1955	579.45	579.25	579.29	579.40	579.62	579.70	579.61	579.39	578.84	578.48	578.25	577.97	579.10
1956	577.79	577.75	577.78	577.95	578.34	578.59	578.76	578.76	578.57	578.18	577.93	577.73	578.18
1957	577.49	577.34	577.30	577.40	577.65	577.87	578.18	578.02	577.85	577.54	577.35	577.26	577.60
1958	577.28	577.34	577.23	577.21	577.19	577.17	577.21	577.18	576.99	576.71	576.44	576.14	577.01
1959	576.00	575.94	576.05	576.49	576.90	577.14	577.13	577.11	577.07	577.04	577.13	577.08	576.76
1960	577.21	577.32	577.21	577.46	578.29	578.76	579.10	579.22	579.10	578.84	578.54	578.34	578.28
1961	577.98	577.73	577.82	577.90	578.10	578.18	578.25	578.23	578.13	577.98	577.78	577.56	577.97
1962	577.34	577.29	577.34	577.57	577.82	577.93	577.91	577.76	577.65	577.30	576.92	576.60	577.45
1963	576.35	576.26	576.21	576.53	576.77	576.86	576.89	576.88	576.64	576.39	576.14	575.81	576.48
1964	575.50	575.44	575.35	575.36	575.79	575.90	575.96	575.97	575.94	575.77	575.57	575.40	575.66
1965	575.39	575.49	575.60	575.92	576.45	576.70	576.80	576.86	576.89	577.09	576.95	577.03	576.43
1966	577.10	577.00	577.12	577.33	577.58	577.66	577.68	577.52	577.33	576.98	576.72	576.94	577.25
1967	576.89	576.97	576.88	577.44	577.84	578.10	578.38	578.31	578.07	577.80	577.90	577.74	577.69
1968	577.64	577.83	577.57	577.81	577.99	578.22	578.52	578.66	578.64	578.58	578.39	578.28	578.18
1969	578.26	578.37	578.25	578.50	578.97	579.34	579.74	579.84	579.57	579.25	579.13	578.89	579.01
1970	578.63	578.58	578.50	578.56	578.88	579.20	579.31	579.32	579.24	579.04	578.96	578.91	578.93
1971	578.82	578.69	579.00	579.23	579.53	579.75	579.89	579.89	579.68	579.44	579.25	579.17	579.36
1972	579.14	578.93	578.91	579.10	579.60	579.80	579.96	580.14	580.27	580.16	580.02	579.87	579.66
1973	579.92	579.85	579.98	580.32	580.60	580.89	580.98	580.99	580.75	580.45	580.20	579.97	580.41
1974	579.80	579.90	579.97	580.19	580.58	580.85	581.04	580.83	580.52	580.12	579.89	579.68	580.28
1975	579.55	579.53	579.55	579.77	580.14	580.38	580.49	580.34	580.25	579.85	579.49	579.42	579.90
1976	579.22	579.18	579.53	580.06	580.38	580.43	580.52	580.30	579.92	579.41	578.90	578.46	579.69
1977	578.19	578.00	578.12	578.54	578.57	578.55	578.57	578.52	578.42	578.38	578.36	578.30	578.38
1978	578.38	578.22	578.12	578.36	578.65	578.86	578.96	578.96	578.96	579.01	578.72	578.52	578.64
1979	578.43	578.31	578.43	579.04	579.57	579.79	579.94	580.02	579.88	579.56	579.40	579.40	579.31

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 5014 : Harbor Beach, Michigan on Lake Huron

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1980	579.28	579.14	578.99	579.24	579.46	579.68	579.77	579.76	579.69	579.46	579.08	578.92	579.37
1981	578.68	578.51	578.74	578.88	579.17	579.30	579.44	579.35	579.41	579.13	578.93	578.65	579.02
1982	578.43	578.22	578.16	578.57	578.68	578.88	578.97	579.02	578.84	578.68	578.67	578.85	578.66
1983	578.91	578.83	578.94	579.19	579.65	580.00	580.08	579.96	579.79	579.56	579.25	579.16	579.44
1984	579.02	579.02	579.11	579.35	579.72	580.00	580.23	580.17	580.03	579.84	579.78	579.62	579.66
1985	579.69	579.57	579.90	580.41	580.76	580.84	580.75	580.60	580.61	580.48	580.57	580.72	580.41
1986													
1987													
1988													
1989													
1990													
1991													
1992													
1993													
1994													
1995													
1996													
1997													
1998													
1999													
2000													
2001													
2002													
2003													
2004													
2005													
2006													
2007													
2008													
2009													

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

SUMMARY OF AVERAGE AND EXTREME LEVELS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 5014 : Harbor Beach, Michigan on Lake Huron

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
MONTHLY AVERAGE FOR PERIOD 1860 THRU 1985													
	578.34	578.31	578.38	578.62	578.93	579.16	579.29	579.24	579.07	578.85	578.64	578.46	578.77
MONTHLY AVERAGE FOR PERIOD 1900 THRU 1985													
	577.85	577.82	577.87	578.13	578.45	578.67	578.81	578.76	578.60	578.39	578.18	578.02	578.30
MONTHLY AVERAGE FOR PERIOD 1976 THRU 1985													
	578.82	578.70	578.80	579.16	579.46	579.63	579.72	579.67	579.56	579.35	579.17	579.06	579.26
HIGHEST MONTHLY AVERAGE FOR PERIOD 1860 THRU 1985													
LEVEL	580.94	581.12	581.15	581.42	581.75	581.94	581.86	581.80	581.69	581.36	581.14	580.96	581.28
YEAR	1860	1860	1860	1886	1886	1886	1876	1876	1876	1861	1876	1861	1886
LOWEST MONTHLY AVERAGE FOR PERIOD 1860 THRU 1985													
LEVEL	575.39	575.44	575.35	575.36	575.79	575.90	575.96	575.97	575.94	575.77	575.57	575.40	575.66
YEAR	1965	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964

HIGHEST MONTHLY AVERAGE FOR PERIOD 1860 THRU 1985 .....581.94 JUN 1886

LOWEST MONTHLY AVERAGE FOR PERIOD 1860 THRU 1985 .....575.35 MAR 1964



U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 5034 : Essexville, Michigan on Lake Huron (Saginaw Bay)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1950													
1951													
1952													
1953	579.47	579.33	579.47	579.70	580.01	580.19	580.36	580.38	579.98	579.82	579.29	578.87	579.74
1954	578.69	578.62	578.83	579.03	579.37	579.71	579.91	579.87	579.60	579.87	579.75	579.62	579.41
1955	579.40	579.21	579.20	579.43	579.57	579.72	579.64	579.37	578.84	578.39	577.98	577.86	579.05
1956	577.78	577.69	577.81	577.96	578.41	578.57	578.85	578.77	578.53	578.13	577.66	577.60	578.15
1957	577.39	577.30	577.33	577.46	577.80	577.81	578.22	578.04	577.73	577.59	577.11	577.20	577.58
1958	577.26	577.27	577.28	577.31	577.23	577.16	577.23	577.10	576.92	576.61	576.22	576.12	576.98
1959	575.95	575.84	576.02	576.36	576.85	577.12	577.10	577.09	577.03	577.06	576.92	577.06	576.70
1960	577.06	577.23	577.12	577.56	578.24	578.77	579.11	579.23	579.11	578.72	578.25	578.14	578.21
1961	577.90	577.71	577.74	577.98	578.15	578.17	578.23	578.21	578.05	577.93	577.70	577.37	577.93
1962	577.28	577.22	577.25	577.37	577.80	577.96	577.82	577.64	577.43	577.26	576.87	576.51	577.37
1963	576.04	575.85	575.80	576.06	576.80	576.89	576.91	576.88	576.70	576.33	575.99	575.64	576.32
1964	575.32	575.09	575.25	575.39	575.81	575.89	576.01	575.91	575.83	575.61	575.39	575.37	575.57
1965	575.34	575.40	575.39	575.67	576.43	576.77	576.83	576.84	576.87	576.95	576.72	576.96	576.35
1966	576.99	576.94	577.01	577.41	577.60	577.66	577.70	577.49	577.31	576.74	576.72	576.81	577.20
1967	576.84	576.87	576.70	577.52	577.88	578.17	578.37	578.35	578.11	577.65	577.70	577.62	577.65
1968	577.62	577.77	577.60	577.64	578.04	578.23	578.46	578.61	578.51	578.41	578.37	578.12	578.12
1969	578.20	578.33	578.21	578.61	578.97	579.33	579.73	579.76	579.56	579.10	578.96	578.79	578.96
1970	578.58	578.51	578.50	578.55	578.89	579.24	579.29	579.28	579.12	578.99	578.90	578.85	578.89
1971	578.84	578.92	578.79	579.15	579.48	579.81	579.86	579.88	579.66	579.39	579.06	579.00	579.32
1972	578.89				579.58	579.76	579.94	580.14	580.22	580.04	580.00	579.79	579.82
1973	579.83	579.83	580.09	580.47	580.64	580.86	580.96	580.96	580.73	580.45	580.06	579.97	580.40
1974	579.76	579.95	579.95	580.23	580.61	580.85	581.10	580.79	580.45	580.02	579.77	579.61	580.26
1975	579.35	579.43	579.55	579.79	580.16	580.38	580.43	580.38	580.24	579.80	579.38	579.33	579.85
1976	579.13	579.18	579.45	580.16	580.42	580.46	580.51	580.30	579.86	579.37	578.65		579.77
1977			578.22	578.56	578.65	578.59	578.54	578.47	578.41	578.35	578.27	578.21	578.43
1978	578.32		578.16	578.45	578.73	578.88	578.98	578.92	579.03	578.91	578.63	578.64	578.70
1979	Station Relocated												

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

SUMMARY OF AVERAGE AND EXTREME LEVELS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 5034 : Essexville, Michigan on Lake Huron (Saginaw Bay)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
MONTHLY AVERAGE FOR PERIOD 1953 THRU 1978													
	577.89	577.80	577.87	578.15	578.54	578.73	578.85	578.79	578.61	578.36	578.09	577.96	578.30
MONTHLY AVERAGE FOR PERIOD 1969 THRU 1978													
	578.99	579.16	578.99	579.33	579.61	579.82	579.93	579.89	579.73	579.44	579.17	579.13	579.43
HIGHEST MONTHLY AVERAGE FOR PERIOD 1953 THRU 1978													
LEVEL	579.83	579.95	580.09	580.47	580.64	580.86	581.10	580.96	580.73	580.45	580.06	579.97	580.40
YEAR	1973	1974	1973	1973	1973	1973	1974	1973	1973	1973	1973	1973	1973
LOWEST MONTHLY AVERAGE FOR PERIOD 1953 THRU 1978													
LEVEL	575.32	575.09	575.25	575.39	575.81	575.89	576.01	575.91	575.83	575.61	575.39	575.37	575.57
YEAR	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964
HIGHEST MONTHLY AVERAGE FOR PERIOD 1953 THRU 1978 .....581.10 JUL 1974													
LOWEST MONTHLY AVERAGE FOR PERIOD 1953 THRU 1978 .....575.09 FEB 1964													

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

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

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1950													
1951													
1952													
1953													
1954													
1955													
1956													
1957													
1958													
1959													
1960													
1961													
1962													
1963													
1964													
1965													
1966													
1967													
1968													
1969													
1970													
1971													
1972													
1973													
1974													
1975													
1976													
1977								578.43	578.41	578.36	578.29	578.21	578.34
1978	578.39	578.21	578.14	578.46	578.74	578.90	578.99	578.91	579.06	578.93	578.62	578.31	578.64
1979	578.36	578.32	578.48	579.09	579.70	579.84	579.98	580.03	579.86	579.51	579.20	579.30	579.31

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

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

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1980	579.15	579.09	578.99	579.34	579.51	579.73	579.78	579.76	579.63	579.37	579.02	578.89	579.36
1981	578.64	578.50	578.75	578.88	579.35	579.28	579.54	579.40	579.47	579.11	578.96	578.57	579.04
1982	578.34	578.20	578.19	578.53	578.83	578.97	578.95	579.01	578.88	578.59	578.53	578.69	578.64
1983	578.88	578.87	579.15	579.28	579.72	580.07	580.05	580.00	579.66	579.57	579.26	579.01	579.46
1984	578.97	579.06	579.17	579.45	579.75	579.98	580.18	580.17	579.99	579.85	579.70	579.45	579.64
1985	579.64	579.53	580.11	580.40	580.83	580.85	580.76	580.63	580.61	580.44	580.61	580.51	580.41
1986													
1987													
1988													
1989													
1990													
1991													
1992													
1993													
1994													
1995													
1996													
1997													
1998													
1999													
2000													
2001													
2002													
2003													
2004													
2005													
2006													
2007													
2008													
2009													

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

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---------------

MONTHLY AVERAGE FOR PERIOD 1977 THRU 1985

578.80	578.72	578.87	579.18	579.55	579.70	579.78	579.59	579.51	579.30	579.13	578.99	579.26
--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------

HIGHEST MONTHLY AVERAGE FOR PERIOD 1977 THRU 1985

LEVEL	579.64	579.53	580.11	580.40	580.83	580.85	580.76	580.63	580.61	580.44	580.61	580.51	580.41
YEAR	1985	1985	1985	1985	1985	1985	1985	1985	1985	1985	1985	1985	1985

LOWEST MONTHLY AVERAGE FOR PERIOD 1977 THRU 1985

LEVEL	578.34	578.20	578.14	578.46	578.74	578.90	578.95	578.43	578.41	578.36	578.29	578.21	578.34
YEAR	1982	1982	1978	1978	1978	1978	1982	1977	1977	1977	1977	1977	1977

HIGHEST MONTHLY AVERAGE FOR PERIOD 1977 THRU 1985 .....580.85 JUN 1985

LOWEST MONTHLY AVERAGE FOR PERIOD 1977 THRU 1985 .....578.14 MAR 1978

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 5059 : Harrisville, Michigan on Lake Huron

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1950													
1951													
1952													
1953													
1954													
1955													
1956													
1957													
1958													
1959													
1960													
1961										577.96	577.74		577.85
1962						577.88	577.87	577.71	577.57	577.26	576.88		577.53
1963	576.32	576.17	576.16	576.44	576.72	576.84	576.85	576.79	576.55	576.35	576.02	575.73	576.41
1964	575.44	575.33	575.27	575.31	575.77	575.86	575.90	575.92	575.89	575.68	575.52	575.39	575.61
1965	575.33	575.39	575.52	575.82	576.40	576.63	576.76	576.77	576.82	576.98	576.90	576.97	576.36
1966	576.99	576.91	577.05	577.28	577.50	577.59	577.56	577.43	577.23	576.93	576.69	576.86	577.17
1967	576.85	576.90	576.84	577.36	577.72	578.06	578.37	578.26	578.01	577.76	577.79	577.67	577.63
1968	577.56	577.71	577.58	577.81	577.86	578.16	578.48	578.58	578.58	578.54	578.33	578.26	578.12
1969	578.28	578.27	578.14	578.38	578.88	579.28	579.73	579.79	579.48	579.20	579.03	578.74	578.93
1970	578.59	578.58	578.53	578.51	578.87	579.07	579.29	579.29	579.21	579.01	578.95	578.91	578.90
1971	578.75	578.66	578.93	579.10	579.45	579.72	579.84	579.79	579.63	579.39	579.17	578.99	579.28
1972	579.09	578.85	578.81	578.98	579.53	579.64	579.88	580.05	580.20	580.05	579.93	579.72	579.56
1973	579.80	579.72	579.77				580.81	580.87	580.62	580.35	580.09	579.87	580.21
1974	579.74	579.79	579.87	580.13	580.50	580.79	580.95	580.76	580.41	580.03	579.82	579.61	580.20
1975	579.50	579.45	579.44	579.66	580.05	580.32	580.42	580.22	580.17	579.86	579.46	579.33	579.82
1976	579.12	579.09	579.46	579.98	580.31	580.40	580.43	580.20	579.84	579.30	578.80	578.41	579.61
1977	578.08	577.92	578.02	578.46	578.47	578.44	578.44	578.44	578.30	578.28	578.23		578.28
1978	578.22	578.16	578.03	578.25	578.57	578.81	578.88	578.89	578.90	578.94	578.64	578.43	578.56
1979	578.31	578.18	578.34	578.92	579.49	579.70	579.85	579.93	579.79	579.47	579.33	579.31	579.22

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 5059 : Harrisville, Michigan on Lake Huron

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1980	579.20	579.01	578.86	578.99	579.38	579.60	579.67	579.65	579.60	579.35	578.98	578.79	579.26
1981	578.59	578.46	578.65	578.81	579.08	579.24	579.35	579.26	579.27	579.01	578.80	578.54	578.92
1982	578.33	578.13	578.07	578.47	578.56	578.79	578.87	578.92	578.76	578.62	578.56	578.79	578.57
1983	578.83	578.75	578.82	579.10	579.56	579.94	579.99	579.87	579.69	579.46	579.12	579.07	579.35
1984	578.92	578.92	578.99	579.24	579.62	579.88		580.05	579.95	579.76	579.70	579.54	579.51
1985	579.55	579.46	579.81	580.33	580.68	580.76	580.67	580.52	580.52	580.42	580.49	580.61	580.32
1986													
1987													
1988													
1989													
1990													
1991													
1992													
1993													
1994													
1995													
1996													
1997													
1998													
1999													
2000													
2001													
2002													
2003													
2004													
2005													
2006													
2007													
2008													
2009													

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

SUMMARY OF AVERAGE AND EXTREME LEVELS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 5059 : Harrisville, Michigan on Lake Huron

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
--	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---------------

MONTHLY AVERAGE FOR PERIOD 1962 THRU 1985

	578.23	578.17	578.22	578.42	578.77	578.93	579.08	579.08	578.96	578.72	578.52	578.52	578.64
--	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------

MONTHLY AVERAGE FOR PERIOD 1976 THRU 1985

	578.72	578.61	578.70	579.06	579.37	579.56	579.57	579.57	579.46	579.26	579.06	579.05	579.17
--	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------

HIGHEST MONTHLY AVERAGE FOR PERIOD 1962 THRU 1985

LEVEL	579.80	579.79	579.87	580.33	580.68	580.79	580.95	580.87	580.62	580.42	580.49	580.61	580.32
YEAR	1973	1974	1974	1985	1985	1974	1974	1973	1973	1985	1985	1985	1985

LOWEST MONTHLY AVERAGE FOR PERIOD 1962 THRU 1985

LEVEL	575.33	575.33	575.27	575.31	575.77	575.86	575.90	575.92	575.89	575.68	575.52	575.39	575.61
YEAR	1965	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964

HIGHEST MONTHLY AVERAGE FOR PERIOD 1962 THRU 1985 .....580.95 JUL 1974

LOWEST MONTHLY AVERAGE FOR PERIOD 1962 THRU 1985 .....575.27 MAR 1964



U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 5080 : Mackinaw City, Michigan on Straits of Mackinac

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1890													
1891													
1892													
1893													
1894													
1895													
1896													
1897													
1898													
1899					578.93	579.30	579.57	579.43	579.19	578.85	578.78	578.52	579.07
1900	578.30	578.19	578.31	578.41	578.66	578.82	579.07	579.24	579.26	579.19	579.01	578.84	578.78
1901	578.55	578.41	578.47	578.85	579.22	579.41	579.51	579.52	579.33	579.10	578.74	578.49	578.97
1902	578.32	578.15	578.19	578.33	578.57	578.88	579.19	579.16	578.97	578.72	578.63	578.25	578.61
1903	578.15	578.24	578.45	578.62	578.88	578.96	579.10	579.10	579.25	579.18	578.79	578.48	578.77
1904	578.29	578.25	578.51	578.93	579.41	579.90	580.02	579.93	579.80	579.67	579.33	578.91	579.25
1905	578.71	578.69	578.75	579.04	579.41	579.75	579.99	579.97	579.90	579.62	579.31	579.12	579.36
1906	579.06	579.10	579.22	579.40	579.63	579.80	579.88	579.76	579.46	579.23	579.10	579.00	579.39
1907	579.05	579.02	579.05	579.23	579.45	579.81	579.92	579.89	579.80	579.50	579.22	579.01	579.41
1908	578.83	578.77	579.03	579.23	579.67	580.04	580.19	580.01	579.71	579.31	578.84	578.58	579.35
1909	578.25	578.24	578.33	578.54	579.16	579.41	579.44	579.36	579.10	578.80	578.51	578.41	578.80
1910	578.36	578.34	578.35	578.47	578.73	578.87	578.75	578.69	578.63	578.45	578.10	577.90	578.47
1911	577.76	577.77	577.72	577.81	578.15	578.41	578.41	578.28	578.01	577.97	577.84	577.81	578.00
1912	577.68	577.61	577.59	577.80	578.29	578.87	578.92	578.96	579.11	578.96	578.81	578.75	578.45
1913	578.54	578.52			579.40	579.62	579.69	579.59	579.32	579.07	578.85	578.71	579.13
1914	578.42	578.39	578.28	578.39	578.70	578.90	579.08	579.01	578.97	578.81	578.41	577.93	578.61
1915	577.85	577.78	577.75	577.79	577.84	578.15	578.28	578.36	578.30	578.23	577.92	577.77	578.00
1916	577.68	577.76		578.24	578.84	579.30	579.48	579.43	579.24	579.09	578.97	579.02	578.82
1917	578.76		578.78	578.99	579.31	579.97	580.34	580.31	580.03	579.70	579.45	579.23	579.53
1918	579.15	579.26	579.38	579.62	580.04	580.28	580.27	580.10	579.82	579.50	579.48	579.32	579.68
1919	579.20	578.96	578.93	579.22	579.63	579.80	579.63	579.45	579.09	578.93	578.78	578.46	579.17

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 5080 : Mackinaw City, Michigan on Straits of Mackinac

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1920	578.28	578.20	578.41	578.76	579.00	579.20	579.37	579.27	579.16	578.90	578.74	578.46	578.81
1921	578.24	578.27	578.24	578.55	578.85	578.90	578.75	578.57	578.48	578.20	577.88	577.79	578.39
1922	577.69	577.55	577.65	578.18	578.68	578.88	579.02	578.84	578.59	578.28	577.97	577.65	578.25
1923	577.31	577.19	577.23	577.46	577.85	578.16	578.21	578.04	577.93	577.68	577.42	577.13	577.63
1924	576.95	576.86	576.84	577.12	577.54	577.72	577.86	578.04	577.84	577.60	577.28	576.97	577.38
1925	576.58	576.45	576.51	576.56	576.70	576.79	576.87	576.74	576.50	576.19	576.01	575.81	576.48
1926	575.63	575.50	575.48			576.78	576.94	576.94	576.89	576.74	576.59	576.66	576.42
1927	576.55	576.65	576.77	577.05	577.43	577.80	577.87	577.75	577.52	577.49	577.28	577.19	577.28
1928	577.14	577.13	577.24	577.80	578.23	578.45	578.77	578.84	578.80	578.85	578.91	578.96	578.26
1929	578.89	578.78	578.82	579.49	580.21	580.67	580.74	580.53	580.24	579.62	579.51	578.95	579.70
1930	578.95	578.95	578.84	579.04	579.27	579.42	579.57	579.41	579.13	578.70	578.24	577.86	578.95
1931	577.52	577.23	577.08	577.25	577.42	577.44	577.49	577.20	577.01	576.89	576.73	576.57	577.15
1932	576.62	576.55	576.41	576.51	576.79	576.88	576.91	576.80	576.59	576.32	576.30	576.12	576.57
1933	576.01	575.93	575.79	576.17	576.69	576.98	577.01	576.79	576.46	576.25	575.98	575.81	576.32
1934	575.80	575.63	575.65	575.92	576.14	576.20	576.29	576.16	576.17	576.00	575.88	576.01	575.99
1935	575.93	575.86	576.03	576.21	576.42	576.68	576.95	576.93	576.63	576.48	576.40	576.21	576.39
1936	576.18	576.12	576.22	576.42	576.80	576.95	576.90	576.74	576.83	576.69	576.43	576.17	576.54
1937	576.20	576.16	576.10	576.25	576.67	576.85	576.92	576.87	576.73	576.48	576.32	576.08	576.47
1938	575.95	576.20	576.48	576.96	577.27	577.68	577.84	577.94	577.82	577.69	577.50	577.22	577.21
1939	576.99	577.02	577.06	577.23	577.68	578.05	578.20	578.27	578.16	577.93	577.61	577.32	577.63
1940	577.05	576.88	576.75	576.81	577.11	577.40	577.56	577.61	577.54	577.36	577.16	577.00	577.19
1941	576.97	576.94	576.85	577.02	577.29	577.34	577.26	577.06	577.08	577.15	577.34	577.24	577.13
1942	577.19	577.07	577.26	577.67	577.97	578.36	578.47	578.38	578.23	578.06	577.86	577.55	577.84
1943	577.56	577.63	577.83	578.09	578.64	579.27	579.63	579.73	579.65	579.30	579.19	578.94	578.79
1944	578.65	578.48	578.51	578.53	578.82	578.99	579.10	578.98	578.85	578.69	578.43	578.22	578.69
1945	577.89	577.81	577.94	578.23	578.52	579.07	579.29	579.13	579.01	578.89	578.84	578.62	578.60
1946	578.62	578.60	578.84	578.99	578.99	579.19	579.24	578.97	578.70	578.39	578.14	577.80	578.71
1947	577.67	577.61	577.47	578.01	578.58	579.11	579.35	579.41	579.30	579.10	578.90	578.55	578.59
1948	578.29	578.08	578.23	578.72	579.01	579.10	579.11	578.91	578.57	578.04	577.86	577.65	578.46
1949	577.39	577.38	577.31	577.54	577.74	577.86	577.99	577.81	577.52	577.24	576.83	576.61	577.44

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 5080 : Mackinaw City, Michigan on Straits of Mackinac

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1950	576.64	576.64	576.72	577.27	577.63	577.89	578.13	578.17	578.13	578.07	577.90	577.93	577.59
1951	577.87	577.88	578.09	578.65	579.24	579.43	579.77	579.78	579.80	579.80	579.89	579.88	579.17
1952	579.87	579.88	579.86	580.27	580.57	580.74	580.92	580.97	580.80	580.24	579.86	579.77	580.31
1953	579.52	579.46	579.47	579.73	580.01	580.28	580.42	580.38	580.10	579.77	579.42	579.22	579.82
1954	578.80	578.70	578.78	579.07	579.46	579.75	579.89	579.78	579.72	579.92	579.89	579.62	579.45
1955	579.48	579.26	579.21	579.38	579.61	579.70	579.62	579.35	578.89	578.55	578.32	578.00	579.11
1956	577.71	577.71	577.76	577.95	578.40	578.61	578.77	578.76	578.59	578.27	577.99	577.68	578.18
1957	577.44	577.33	577.25	577.39	577.64	577.86	578.15	577.96	577.79	577.46	577.45	577.27	577.58
1958	577.21	577.08	577.10	577.15	577.14	577.17	577.26	577.09	576.98	576.71	576.49	576.13	576.96
1959	575.85	575.89	576.03	576.49	576.97	577.13	577.15	577.14	577.12	577.07	577.18	577.15	576.76
1960	577.24	577.24	577.18	577.55	578.43	578.93	579.19	579.34	579.25	578.89	578.72	578.36	578.36
1961	577.98	577.76	577.81	577.90	578.12	578.22	578.26	578.19	578.21	578.02	577.78	577.58	577.99
1962	577.36	577.27	577.34	577.55	577.86	577.89	577.89	577.77	577.56	577.29	576.94	576.66	577.45
1963	576.35	576.19	576.22	576.48	576.78	576.89	576.87	576.84	576.67	576.43	576.08	575.78	576.46
1964	575.55	575.40	575.30	575.45	575.87	575.91	575.99	576.00	575.97	575.76	575.63	575.48	575.69
1965	575.38	575.47	575.61	575.94	576.53	576.74	576.85	576.86	576.94	577.05	576.96	577.05	576.45
1966	577.00	576.95	577.13	577.37	577.56	577.72	577.69	577.49	577.23	577.04	576.76	576.99	577.24
1967	576.98	576.93	576.92	577.45	577.86	578.25	578.40	578.30	578.00	577.84	577.84	577.82	577.72
1968	577.68	577.67	577.62	577.89	578.02	578.24	578.53	578.62	578.75	578.63	578.35	578.27	578.19
1969	578.25	578.18	578.10	578.44	578.98	579.37	579.73	579.80	579.40	579.22	579.02	578.72	578.93
1970	578.60	578.51	578.40	578.56	578.92	579.18	579.32	579.27	579.25	579.13	578.99	578.90	578.92
1971	578.72		578.89	579.23	579.51	579.74	579.87	579.81	579.66	579.48	579.23	579.16	579.39
1972	579.12	578.80	578.78	578.97	579.52	579.72	579.94	580.12	580.21	580.07	579.97	579.81	579.59
1973	579.87	579.69	579.88	580.26	580.59	580.93	580.94	580.93	580.65	580.25	580.07	579.93	580.33
1974	579.78	579.76	579.88	580.17	580.53	580.86	580.98	580.83	580.43	580.08	579.88	579.68	580.24
1975	579.61	579.47	579.48	579.61	580.12	580.42	580.45	580.24	580.08	579.71	579.53	579.36	579.84
1976	579.17	579.11	579.53	579.96	580.29	580.43	580.41	580.20	579.74	579.26	578.78	578.32	579.60
1977	578.02	577.90	578.08	578.47	578.54	578.48	578.53	578.48	578.43	578.35	578.34	578.36	578.33
1978	578.14	578.11	578.06	578.31	578.66	578.90	578.98	578.97	579.03	578.99	578.76	578.48	578.62
1979	578.27	578.19	578.40	578.94	579.54	579.77	579.88	579.94	579.82	579.51	579.40	579.31	579.25

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 5080 : Mackinaw City, Michigan on Straits of Mackinac

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1980	579.22	578.98	578.82	579.15	579.40	579.59	579.70	579.73	579.65	579.36	579.02	578.79	579.28
1981	578.56	578.52	578.58	578.87	579.09	579.30	579.35	579.30	579.22	579.05	578.82	578.60	578.94
1982	578.31	578.13	578.10	578.43	578.68	578.81	578.96	578.94	578.82	578.75	578.70	578.90	578.63
1983	578.84	578.79	578.81	579.13	579.56	579.99	580.03	579.90	579.73	579.52	579.20	579.12	579.38
1984	578.96	578.92	578.94	579.25	579.64	579.98	580.16	580.09	580.03	579.83	579.72	579.55	579.59
1985	579.50	579.44	579.82	580.38	580.72	580.77	580.68	580.58	580.60	580.46	580.52	580.60	580.34
1986													
1987													
1988													
1989													
1990													
1991													
1992													
1993													
1994													
1995													
1996													
1997													
1998													
1999													
2000													
2001													
2002													
2003													
2004													
2005													
2006													
2007													
2008													
2009													

Station 5080 : Mackinaw City, Michigan on Straits of Mackinac

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
MONTHLY AVERAGE FOR PERIOD 1899 THRU 1985													
	577.89	577.80	577.87	578.17	578.54	578.76	578.87	578.81	578.66	578.45	578.25	578.07	578.34
MONTHLY AVERAGE FOR PERIOD 1900 THRU 1985													
	577.89	577.80	577.87	578.17	578.53	578.75	578.86	578.80	578.65	578.44	578.24	578.06	578.34
MONTHLY AVERAGE FOR PERIOD 1976 THRU 1985													
	578.70	578.61	578.71	579.09	579.41	579.60	579.67	579.61	579.51	579.31	579.13	579.00	579.20
HIGHEST MONTHLY AVERAGE FOR PERIOD 1899 THRU 1985													
LEVEL	579.87	579.88	579.88	580.38	580.72	580.93	580.98	580.97	580.80	580.46	580.52	580.60	580.34
YEAR	1973	1952	1974	1985	1985	1973	1974	1952	1952	1985	1985	1985	1985
LOWEST MONTHLY AVERAGE FOR PERIOD 1899 THRU 1985													
LEVEL	575.38	575.40	575.30	575.45	575.87	575.91	575.99	576.00	575.97	575.76	575.63	575.48	575.69
YEAR	1965	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964
HIGHEST MONTHLY AVERAGE FOR PERIOD 1899 THRU 1985 .....580.98 JUL 1974													
LOWEST MONTHLY AVERAGE FOR PERIOD 1899 THRU 1985 .....575.30 MAR 1964													

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 5098 : DeTour, Michigan on Lake Huron

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1890													
1891													
1892													
1893													
1894													
1895													
1896									578.35				578.35
1897													
1898													
1899						579.40							579.40
1900													
1901							579.63	579.61	579.40	579.24			579.47
1902	578.43	578.20	578.21	578.40	578.68	578.97	579.31	579.29		578.84	578.78	578.43	578.69
1903			578.45	578.82									578.64
1904													
1905													
1906													
1907													
1908													
1909													
1910													
1911													
1912													
1913													
1914													
1915													
1916													
1917													
1918													
1919													

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 5098 : DeTour, Michigan on Lake Huron

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1920													
1921													
1922													
1923													
1924													
1925													
1926													
1927													
1928													
1929													
1930													
1931													
1932													
1933													
1934						576.24	576.31	576.21	576.22	576.06			576.21
1935					576.47	576.74	576.98	576.96	576.70	576.55			576.73
1936					576.85	577.00	576.94	576.76	576.89	576.75			576.86
1937													
1938													
1939													
1940													
1941													
1942													
1943													
1944							579.14	579.00	578.86	578.73	578.47		578.84
1945				578.24	578.56	579.11	579.32	579.16	579.04	578.95	578.89		578.91
1946					579.00		579.26	579.04	578.75	578.40	578.23		578.78
1947					578.61	579.13	579.40	579.43	579.29	579.20	578.94		579.14
1948					579.07	579.11	579.18	578.92	578.54	577.99	577.96		578.68
1949					577.81	577.88	578.02	577.83					577.88

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 5098 : DeTour, Michigan on Lake Huron

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1950					577.67					578.09	577.87	577.96	577.90
1951	577.88	577.88	578.10	578.63	579.20	579.45	579.75	579.79	579.82	579.80	579.91	579.92	579.18
1952	579.91	579.90	579.83	580.26	580.59	580.79	580.96	580.99	580.82	580.28	579.87	579.80	580.33
1953	579.53	579.50	579.48	579.71	580.01	580.29	580.42	580.36	580.11	579.77	579.41	579.23	579.82
1954	578.78	578.73	578.80	579.08	579.45	579.72	579.90	579.80	579.66	579.95	579.90	579.64	579.45
1955	579.49	579.26	579.21	579.37	579.64	579.72	579.63	579.34	578.84	578.53	578.30	578.01	579.11
1956	577.70	577.77	577.79	577.93	578.39	578.60	578.75	578.73	578.57	578.24	577.95	577.73	578.18
1957	577.51	577.38	577.26	577.36	577.61	577.85	578.14	577.95	577.78	577.43	577.41	577.24	577.58
1958	577.23	577.10	577.13	577.13	577.16	577.15	577.27	577.09	576.98	576.70	576.47	576.18	576.97
1959	575.92	575.96	576.08	576.51	576.95	577.14	577.13	577.12	577.09	577.02	577.09	577.05	576.76
1960	577.20	577.16	577.12	577.47	578.25	578.76	579.07	579.23	579.03	578.78	578.60	578.31	578.25
1961	577.93	577.71	577.74	577.84	578.06	578.15	578.22	578.15	578.13	577.97	577.76	577.56	577.94
1962	577.38	577.24	577.31	577.52	577.81	577.90	577.85	577.72	577.53	577.26	576.91	576.68	577.43
1963	576.38	576.21	576.21	576.47	576.75	576.87	576.84	576.78	576.60	576.40	576.04	575.75	576.44
1964	575.55	575.42	575.21	575.34	575.81	575.90	575.95	575.95	575.92	575.76	575.58	575.41	575.65
1965	575.32	575.39	575.49	575.80	576.46	576.70	576.77	576.78	576.89	576.98	576.93	577.01	576.38
1966	577.00	576.97	577.11	577.32	577.51	577.67	577.59	577.44	577.19	576.98	576.67	577.01	577.20
1967					577.78	578.09	578.33	578.20	577.95	577.77	577.76	577.70	577.95
1968	577.56	577.59	577.53	577.82	577.94	578.19	578.49	578.57	578.67	578.60	578.27	578.16	578.12
1969	578.19	578.12	578.06	578.39	578.94	579.35	579.71	579.80	579.47	579.23	579.06	578.72	578.92
1970	578.59	578.50			578.85	579.16	579.32	579.28	579.22	579.06	578.91	578.80	578.97
1971	578.69		578.81	579.09	579.46	579.73	579.85	579.82	579.65	579.46	579.21	579.13	579.35
1972	579.14	578.69	578.77	578.98	579.51	579.71	579.92	580.10	580.20	580.03	579.90	579.68	579.55
1973				580.21	580.56	580.89	580.90	580.89	580.60	580.36	580.05	579.86	580.48
1974	579.74	579.70		580.14	580.52	580.84	580.97	580.78	580.39	580.05	579.81	579.62	580.23
1975	579.60	579.46	579.41	579.80	580.09	580.37	580.44	580.25	580.16	579.80	579.47	579.34	579.85
1976	579.16	579.09	579.46	579.95	580.31	580.43	580.40	580.15	579.71	579.24	578.70	578.20	579.57
1977	577.98	577.92	578.00	578.46	578.47	578.44	578.52	578.46	578.61	578.31	578.29	578.26	578.31
1978	578.16			578.27	578.73	578.81	578.87	578.88	578.92	578.93	578.67	578.48	578.67
1979				579.06	579.48	579.68	Station Closed						579.41



Station 5098 : DeTour, Michigan on Lake Huron

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
MONTHLY AVERAGE FOR PERIOD 1896 THRU 1979	578.00	577.87	577.86	578.31	578.50	578.68	578.81	578.73	578.59	578.40	578.34	578.16	578.35
MONTHLY AVERAGE FOR PERIOD 1900 THRU 1979	578.00	577.87	577.86	578.31	578.50	578.66	578.81	578.73	578.60	578.40	578.34	578.16	578.35
MONTHLY AVERAGE FOR PERIOD 1970 THRU 1979	578.88	578.89	578.89	579.33	579.60	579.81	579.91	579.85	579.72	579.47	579.22	579.04	579.38
HIGHEST MONTHLY AVERAGE FOR PERIOD 1896 THRU 1979	579.91	579.90	579.83	580.26	580.59	580.89	580.97	580.99	580.82	580.36	580.05	579.92	580.48
LEVEL	1952	1952	1952	1952	1952	1973	1974	1952	1952	1973	1973	1951	1973
YEAR													
LOWEST MONTHLY AVERAGE FOR PERIOD 1896 THRU 1979	575.32	575.39	575.21	575.34	575.81	575.90	575.95	575.95	575.92	575.76	575.58	575.41	575.65
LEVEL	1965	1965	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964
YEAR													

HIGHEST MONTHLY AVERAGE FOR PERIOD 1896 THRU 1979 ....580.99    AUG    1952

LOWEST MONTHLY AVERAGE FOR PERIOD 1896 THRU 1979 .....575.21    MAR    1964

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLO (1955)

Station 5099 : DeTour Village, Michigan on Lake Huron

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1950													
1951													
1952													
1953													
1954													
1955													
1956													
1957													
1958													
1959													
1960													
1961													
1962													
1963													
1964													
1965													
1966													
1967													
1968													
1969													
1970													
1971													
1972													
1973													
1974													
1975													
1976													
1977													
1978	578.13	578.10	578.05	578.22	578.58	578.80	578.87	578.87	578.90	578.92	578.66	578.44	578.54
1979	578.25	578.15	578.35	578.89	579.48	579.72	579.84	579.89	579.77	579.46	579.35	579.28	579.20

Station 5099 : DeTour Village, Michigan on Lake Huron

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1980	579.20	578.95	578.79	579.10	579.36	579.55	579.65	579.67	579.58	579.30	578.97	578.73	579.24
1981	578.52	578.48	578.56	578.78	579.03	579.25	579.29	579.24	579.15	578.96	578.73	578.52	578.88
1982	578.27	578.09	578.04	578.39	578.58	578.73	578.89	578.85	578.72	578.65	578.61	578.83	578.55
1983	578.78	578.72	578.71	579.05	579.51	579.93	579.98	579.84	579.67	579.46	579.05	579.06	579.31
1984	578.91	578.85	578.87	579.16	579.58	579.91	580.09	580.04	579.97	579.77	579.66	579.53	579.53
1985	579.46	579.41	579.76	580.31	580.67	580.72	580.63	580.52	580.55	580.42	580.46	580.59	580.29
1986													
1987													
1988													
1989													
1990													
1991													
1992													
1993													
1994													
1995													
1996													
1997													
1998													
1999													
2000													
2001													
2002													
2003													
2004													
2005													
2006													
2007													
2008													
2009													

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

SUMMARY OF AVERAGE AND EXTREME LEVELS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 5099 : DeTour Village, Michigan on Lake Huron

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---------------

MONTHLY AVERAGE FOR PERIOD 1977 THRU 1985

578.69	578.59	578.64	578.99	579.35	579.58	579.66	579.62	579.54	579.37	579.09	579.03	579.18
--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------

HIGHEST MONTHLY AVERAGE FOR PERIOD 1977 THRU 1985

LEVEL	579.46	579.41	579.76	580.31	580.67	580.72	580.63	580.52	580.55	580.42	580.46	580.59	580.29
YEAR	1985	1985	1985	1985	1985	1985	1985	1985	1985	1985	1985	1985	1985

LOWEST MONTHLY AVERAGE FOR PERIOD 1977 THRU 1985

LEVEL	578.13	578.09	578.04	578.22	578.58	578.73	578.87	578.85	578.72	578.65	578.33	578.28	578.30
YEAR	1978	1982	1982	1978	1982	1982	1978	1982	1982	1982	1977	1977	1977

HIGHEST MONTHLY AVERAGE FOR PERIOD 1977 THRU 1985 .....580.72 JUN 1985

LOWEST MONTHLY AVERAGE FOR PERIOD 1977 THRU 1985 .....578.04 MAR 1982

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

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1950													
1951													
1952													
1953													
1954													
1955													
1956													
1957													
1958													
1959													
1960													
1961													
1962													
1963													
1964													
1965													
1966													
1967													
1968													
1969	579.81	579.79	579.79	579.81	580.20	580.56	580.90	581.05	580.58	579.88	579.70	579.42	580.12
1970	579.61	579.99	579.49	579.26	579.42	579.77	579.88	580.26	579.92	579.68	579.71	579.90	579.74
1971	580.29	580.32	580.35	580.49	580.54	580.82	580.95	580.82	580.78	580.73	580.49	580.21	580.57
1972	580.45	580.10	580.18	580.26	580.57	580.74	580.92	581.12	581.28	581.04	581.02	580.58	580.69
1973	580.83	580.36	580.31	580.48	580.83	581.17	581.37	581.71	581.71	581.08	580.57	580.55	580.91
1974	580.66	580.69	580.78	580.79	580.86	581.38	581.39	581.29	580.87	580.54	580.49	580.41	580.85
1975	580.64	580.91	580.98	581.01	580.85	580.98	580.91	580.78	580.62	580.23	579.95	579.88	580.64
1976	580.02	580.16	580.59	580.49	580.71	580.82	580.84	580.63	580.13	579.66	579.08	579.42	580.21
1977	579.50	579.35	579.16	579.02	578.93	578.81	578.86	578.88	578.91	579.36	579.66	579.29	579.14
1978	580.05	580.01	579.79	579.38	579.32	579.54	579.68	579.76	579.94	579.95	579.69	579.18	579.69
1979	579.65	579.60	579.64	579.60	580.08	580.45	580.82	580.99	580.89	580.35	580.16	579.91	580.18

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS; N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

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

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1980	580.16	579.90	579.72	579.62	579.99	580.07	580.15	580.21	580.11	579.92	579.59	579.74	579.93
1981	579.88	579.66	579.41	579.36	579.69	580.07	580.25	580.22	579.80	579.26	578.95	578.83	579.62
1982	578.83	578.64	578.64	578.88	579.01	579.29	579.53	579.63	579.62	579.63	579.69	579.80	579.27
1983	Station Closed												
1984													
1985													
1986													
1987													
1988													
1989													
1990													
1991													
1992													
1993													
1994													
1995													
1996													
1997													
1998													
1999													
2000													
2001													
2002													
2003													
2004													
2005													
2006													
2007													
2008													
2009													

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

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
MONTHLY AVERAGE FOR PERIOD 1969 THRU 1982													
	580.03	579.96	579.92	579.89	580.07	580.32	580.46	580.52	580.37	580.09	579.91	579.79	580.11
MONTHLY AVERAGE FOR PERIOD 1973 THRU 1982													
	580.02	579.93	579.90	579.86	580.03	580.26	580.38	580.41	580.26	580.00	579.78	579.70	580.04
HIGHEST MONTHLY AVERAGE FOR PERIOD 1969 THRU 1982													
LEVEL	580.83	580.91	580.98	581.01	580.86	581.38	581.39	581.71	581.71	581.08	581.02	580.58	580.91
YEAR	1973	1975	1975	1975	1974	1974	1974	1973	1973	1973	1972	1972	1973
LOWEST MONTHLY AVERAGE FOR PERIOD 1969 THRU 1982													
LEVEL	578.83	578.64	578.64	578.88	578.93	578.81	578.86	578.88	578.91	579.26	578.95	578.83	579.14
YEAR	1982	1982	1982	1982	1977	1977	1977	1977	1977	1981	1981	1981	1977
HIGHEST MONTHLY AVERAGE FOR PERIOD 1969 THRU 1982 .....581.71      SEP    1973													
LOWEST MONTHLY AVERAGE FOR PERIOD 1969 THRU 1982 .....578.64      MAR    1982													

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

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

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1890													
1891													
1892													
1893													
1894													
1895													
1896													
1897													
1898													
1899													
1900													
1901													
1902													
1903				580.13	580.52	580.74	581.00	581.15	581.27	581.23	580.94	581.53	580.95
1904	581.71	581.77	581.78	581.26	581.08	581.63	581.81	581.91	581.92	581.96	581.63	581.49	581.66
1905	582.23	582.42	582.10	581.10	581.20	581.51	581.87	581.93	581.94	581.91	581.60	581.36	581.76
1906	582.03	582.24	581.99	581.36	581.45	581.70	581.90	581.85	581.68	581.53	581.33	581.38	581.70
1907	582.22	582.39	581.85	581.09	581.03	581.44	581.70	581.90	582.01	581.64	581.15	580.75	581.60
1908	580.97	581.07	581.06	580.73	580.74	581.18	581.53	581.53	581.28	580.91	580.50	580.23	580.98
1909	580.40	580.14	580.09	579.79	580.14	580.47	580.70	580.91	580.68	580.51	580.08	580.17	580.34
1910	580.77	580.55	580.25	579.62	579.74	580.09	580.17	580.26	580.17	580.02	579.55	579.41	580.05
1911	579.65	579.57	579.55	579.02	579.16	579.50	579.57	579.01	579.41	579.40	579.28	579.25	579.36
1912	579.90	579.62	579.59	579.16	579.45	580.00	580.09	580.29	580.54	580.39	580.21	580.17	579.95
1913	580.18	580.52	580.56	580.57	580.53	580.70	580.90	580.89	580.81	580.64	580.42	580.15	580.57
1914	580.38	580.62	580.39	579.87	580.00	580.23	580.54	580.62	580.65	580.59	580.32	580.06	580.36
1915	580.08	580.16	579.95	579.32	579.36	579.60	579.81	579.95	579.95	579.98	579.94	579.64	579.81
1916	580.42	580.51	580.60	580.41	580.60	581.29	581.44	581.72	581.87	581.90	581.64	581.55	581.16
1917	582.45	582.09	582.23	581.34	581.15	581.61	581.82	581.58	581.42	581.28	580.87	581.07	581.58
1918	581.35	581.19	581.44	580.78	581.09	581.36	581.10	581.12	581.08	580.91	580.70	580.31	581.04
1919	580.38	580.20	580.17	580.15	580.46	580.59	580.55	580.44	580.21	580.10	579.92	580.19	580.28



U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

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

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1920	580.13	580.25	580.42	579.90	580.55	580.81	581.06	581.58	580.98	580.20	579.74	579.59	580.43
1921	579.64	579.73	579.74	579.61	579.64	579.62	579.86	579.84	579.82	579.57	579.00	578.87	579.58
1922	579.21	579.22	579.49	579.34	579.54	579.56	579.79	579.71	579.47	579.14	578.97	579.24	579.39
1923	579.03	579.19	579.66	579.95	579.16	579.20	579.28	579.14	579.13	578.82	578.59	578.36	579.13
1924	579.00	579.12	579.02	578.72	578.69	578.75	578.81	579.09	578.92	578.76	578.50	578.60	578.83
1925	578.78	578.88	578.91	578.06	578.00	578.10	578.12	578.44	578.67	578.62	578.33	578.33	578.44
1926	578.36	578.35	578.65	578.36	577.93	578.09	578.21	577.94	577.75	577.71	577.81	579.24	578.20
1927	579.73	580.11	579.69	578.95	579.22	579.55	579.63	579.65	579.50	579.34	579.40	579.78	579.55
1928	580.23	580.12	580.39	580.06	579.85	579.81	579.96	580.57	581.26	581.58	581.66	581.27	580.56
1929	581.98	580.90	580.76	581.62	581.91	581.56	582.07	581.59	581.35	580.58	580.41	580.36	581.26
1930	580.24	580.37	580.43	579.97	580.05	580.26	580.76	581.09	580.62	579.69	579.21	578.81	580.12
1931	578.63	578.78	578.55	578.25	578.18	578.29	578.51	578.33	578.40	578.33	578.29	578.04	578.38
1932	578.06	579.15	578.82	578.22	578.18	578.17	578.39	578.50	579.02	578.55	578.45	577.98	578.46
1933	577.79	577.96	578.08	577.66	577.89	578.10	578.65	578.24	578.01	577.98	578.12	577.81	578.02
1934	578.27	578.32	578.55	578.12	577.54	578.10	579.01	579.41	579.09	578.25	578.55	579.26	578.54
1935	578.87	578.61	579.34	579.26	579.27	579.00	579.38	579.60	579.63	580.01	579.65	577.99	579.22
1936	578.32	578.86	578.82	578.14	578.80	578.97	579.01	579.08	579.05	578.63	578.44	578.12	578.69
1937	579.17	578.95	578.70	578.10	578.02	578.58	578.62	578.68	578.58	578.36	578.16	578.10	578.50
1938	578.34	578.86	578.86	578.32	579.11	580.56	581.00	581.08	580.89	580.54	579.81	578.46	579.65
1939	578.81	578.89	579.09	579.37	579.86	580.26	580.75	581.22	581.13	580.56	579.04	578.52	579.79
1940	578.79	578.79	578.24	577.92	578.07	578.28	578.59	578.74	578.61	578.46	578.30	578.15	578.41
1941	578.36	578.65	578.79	578.20	578.22	578.30	578.25	578.17	578.26	578.79	579.93	579.05	578.58
1942	580.04	579.01	578.93	579.56	579.03	579.66	580.12	579.74	579.63	579.27	578.84	578.76	579.38
1943	579.12	579.36	580.07	579.85	580.11	581.14	581.76	582.10	582.04	581.40	580.87	580.41	580.69
1944	580.18	579.77	580.04	579.82	579.66	579.82	580.35	580.86	581.17	581.11	580.46	579.97	580.27
1945	580.23	580.07	579.67	579.78	580.55	580.93	580.36	580.25	580.18	580.31	580.55	579.83	580.23
1946	580.15	580.28	580.28	579.92	580.18	580.23	580.31	580.16	579.99	579.74	579.52	579.44	580.02
1947	579.79	579.75	579.70	579.47	579.66	580.15	581.37	581.59	581.20	581.30	580.42	579.84	580.35
1948	580.02	580.02	579.95	579.81	579.93	579.97	579.98	579.81	579.41	578.95	578.85	578.61	579.61
1949	578.56	578.88	578.78	578.53	578.71	578.82	578.94	578.98	578.92	578.65	578.34	578.06	578.68

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

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

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1950	578.62	578.95	579.00	579.25	578.81	580.00	580.80	581.00	580.96	580.88	580.63	580.69	579.97
1951	580.15	580.23	580.20	580.64	581.34	581.58	581.93	582.02	582.14	582.06	582.04	582.26	581.38
1952	581.65	581.72	581.63	581.61	582.01	581.62	581.68	582.86	582.72	582.14	581.69	580.74	581.84
1953	580.61	581.06	580.77	580.71	581.28	581.59	581.96	582.42	582.20	581.80	581.12	580.46	581.33
1954	580.25	580.38	580.37	580.33	580.41	580.70	581.42	581.84	581.69	581.45	580.92	580.40	580.85
1955	580.39	580.40	580.48	580.23	580.44	580.64	580.57	580.29	579.43	579.24	579.78	579.47	580.11
1956	579.37	579.51	579.77	579.42	579.41	579.43	579.63	579.79	579.71	579.49	579.22	578.91	579.47
1957	579.26	579.23	578.82	578.45	578.43	578.67	578.93	579.00	578.92	578.65	578.71	578.57	578.80
1958	579.07	579.23	578.98	578.28	578.22	578.16	578.25	578.12	578.06	578.09	577.99	578.00	578.37
1959	578.21	578.40	578.37	577.97	578.17	578.18	578.25	578.29	578.50	579.71	580.41	579.27	578.64
1960	579.94	579.73	579.57	579.36	579.48	581.13	581.42	581.30	581.11	580.46	579.87	579.60	580.25
1961	579.60	579.56	579.64	579.16	579.13	579.06	579.11	578.92	578.94	578.77	578.70	578.55	579.10
1962	578.94	578.96	578.90	578.54	578.68	578.74	578.77	578.66	578.42	578.33	578.16	577.93	578.59
1963	578.12	578.35	578.21	577.53	577.76	577.78	577.82	577.84	577.98	577.61	577.37	576.96	577.78
1964	577.26	577.76	577.64	577.42	577.21	577.34	577.72	578.53	578.81	578.94	578.91	578.04	577.96
1965	578.67	578.91	578.70	578.20	578.52	578.82	579.46	579.57	579.54	579.35	579.31	578.71	578.98
1966	578.92	579.12	578.80	578.80	578.75	578.92	579.40	579.34	579.47	578.90	578.25	578.38	578.92
1967	578.84	578.82	578.89	578.68	579.13	579.55	579.73	579.77	579.48	579.05	578.98	578.97	579.16
1968	579.42	579.55	579.24	578.99	579.04	579.23	580.20	581.02	581.18	581.12	580.75	580.25	580.00
1969	580.60	580.53	580.39	580.40	580.89	581.23	581.54	581.70	581.14	580.16	579.94	579.67	580.68
1970	579.92	580.53	579.84	579.53	579.67	579.90	580.08	580.74	580.38	580.03	580.21	580.50	580.11
1971	581.12	581.38	581.15	580.96	581.11	581.37	581.52	581.37	581.35	581.34	581.12	580.70	581.21
1972	581.16	581.01	580.92	580.64	581.19	581.39	581.57	581.79	581.90	581.66	581.67	580.98	581.32
1973	581.39	580.77	580.52	580.65	580.98	581.37	581.68	582.16	582.42	581.51	581.01	580.92	581.28
1974	581.36	581.56	581.26	581.08	581.12	581.67	581.64	581.52	581.16	580.85	580.86	580.92	581.25
1975	581.08	581.70	581.56	581.38	581.28	581.30	581.26	581.12	580.93	580.49	580.23	580.17	581.04
1976	580.55	580.88	581.08	580.69	580.99	581.15	581.09	580.85	580.38	579.89	579.31	579.70	580.55
1977	580.05	579.85	579.43	579.22	579.11	579.07	579.08	579.13	579.21	579.94	580.40	579.80	579.52
1978	580.66	580.89	580.28	579.64	579.64	579.86	579.99	580.29	580.49	580.53	580.25	579.53	580.17
1979	580.31	580.47	580.11	579.84	580.37	580.90	581.41	581.64	581.54	580.88	580.62	580.28	580.70

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

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

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1980	580.51	580.25	580.04	579.94	580.33	580.39	580.42	580.49	580.41	580.30	579.98	580.05	580.26
1981	580.40	580.02	579.63	579.66	580.07	580.52	580.79	580.72	580.14	579.42	579.08	578.98	579.95
1982	579.08	578.92	578.88	579.07	579.23	579.57	579.90	580.06	580.04	580.11	580.28	580.32	579.62
1983	580.05	580.27	579.96	580.10	580.76	581.17	581.23	581.26	580.70	580.09	580.15	580.41	580.51
1984	580.82	580.29	580.22	580.11	580.73	581.09	581.39	581.51	581.31	580.59	580.17	580.40	580.72
1985	580.64	580.68	580.83	581.02	581.22	581.18	581.15	581.39	581.79	582.13	582.37	582.04	581.37
1986													
1987													
1988													
1989													
1990													
1991													
1992													
1993													
1994													
1995													
1996													
1997													
1998													
1999													
2000													
2001													
2002													
2003													
2004													
2005													
2006													
2007													
2008													
2009													

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

SUMMARY OF AVERAGE AND EXTREME LEVELS  
 WATER LEVELS IN FEET, IGLD (1955)

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

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
MONTHLY AVERAGE FOR PERIOD 1903 THRU 1985													
	579.88	579.93	579.85	579.59	579.74	580.01	580.24	580.34	580.27	580.05	579.84	579.63	579.95
MONTHLY AVERAGE FOR PERIOD 1976 THRU 1985													
	580.31	580.25	580.05	579.93	580.24	580.49	580.64	580.73	580.60	580.39	580.26	580.15	580.34
HIGHEST MONTHLY AVERAGE FOR PERIOD 1903 THRU 1985													
LEVEL	582.45	582.42	582.23	581.62	582.01	581.70	582.07	582.86	582.72	582.14	582.37	582.26	581.84
YEAR	1917	1905	1917	1929	1952	1906	1929	1952	1952	1952	1985	1951	1952
LOWEST MONTHLY AVERAGE FOR PERIOD 1903 THRU 1985													
LEVEL	577.26	577.76	577.64	577.42	577.21	577.34	577.72	577.84	577.75	577.61	577.37	576.96	577.78
YEAR	1964	1964	1964	1964	1964	1964	1964	1963	1926	1963	1963	1963	1963
HIGHEST MONTHLY AVERAGE FOR PERIOD 1903 THRU 1985 ....582.86      AUG      1952													
LOWEST MONTHLY AVERAGE FOR PERIOD 1903 THRU 1985 .....576.96      DEC      1963													

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

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

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1860					600.44	600.64	600.71	600.70	600.65	600.67			600.64
1861					600.54	600.76	600.95	600.84	600.85	600.77	600.62		600.76
1862													
1863													
1864													
1865													
1866													
1867							600.35	600.48	600.42	600.19	599.98		600.28
1868					599.70	599.84	600.09	600.14	600.21	599.95			599.99
1869						599.89	600.39	600.84	601.23	601.20	600.84		600.73
1870											600.64	600.41	600.52
1871	599.99	599.82	599.56	599.69	600.27	600.68	600.85	600.77	600.83	600.63	600.40	599.99	600.29
1872	599.77	599.68	599.40	599.40	600.29	600.47	600.86	601.19	601.25	601.10	600.96	600.50	600.41
1873	600.11	599.93	599.96	599.97	600.53	600.67	601.11	601.36	601.42	601.30	601.08	600.85	600.69
1874	600.29	600.13	600.03	599.90	600.32	600.75	601.13	601.18	601.17	601.30	601.08	600.97	600.69
1875	600.52	600.27	600.23	600.48	600.78	601.11	601.19	601.20	601.48	601.35	601.05	600.49	600.85
1876	600.46	600.41	600.16	600.19	600.93	601.52	601.98	602.01	602.05	601.73	601.43	600.95	601.15
1877	600.65	600.68	600.57	600.44	600.46	600.67	601.02	601.11	600.87	600.91	600.67	600.51	600.71
1878	600.29	600.03	599.93	599.92	600.19	600.45	600.56	600.52	600.26	600.35	600.26	600.04	600.23
1879	599.65	599.25	599.00	599.13	599.51	599.64	599.94	599.97	599.89	599.92	599.74	599.34	599.58
1880	599.15	599.11	599.02	599.04	599.78	600.53	600.78	600.65	600.81	600.59	600.61	600.34	600.03
1881	600.02	599.93	599.95	599.83	600.26	600.49	600.69	600.61	600.79	601.26	601.15	600.83	600.48
1882	600.31	600.09	599.97	599.97	600.33	600.43	600.77	600.88	600.81	600.71	600.68	600.39	600.44
1883	599.97	599.87	599.88	599.94	599.94	600.31	600.48	600.91	600.57	600.43	600.31	600.05	600.22
1884	599.95	599.76	599.67	599.50	599.87	599.97	600.19	600.24	600.31	600.39	600.42	600.23	600.04
1885	600.07	599.95	599.82	599.64	600.23	600.53	600.71	600.94	600.70	600.51	600.44	600.17	600.31
1886	599.83	599.67	599.67	599.65	600.06	600.23	600.39	600.54	600.40	600.42	600.26	599.99	600.09
1887	599.77	599.63	599.60	599.46	599.82	600.17	600.55	600.43	600.29	600.46	600.23	599.92	600.03
1888	599.76	599.42	599.47	599.46	600.06	600.91	601.09	601.08	601.00	600.98	600.78	600.43	600.37
1889	600.16	599.87	599.89	599.88	600.43	600.61	600.88	600.89	600.88	600.73	600.43	600.06	600.39

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

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

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1890	600.11	599.55	599.55	599.48	599.90	600.49	600.85	600.76	600.65	600.58	600.44	600.18	600.21
1891	599.49	599.60	599.45	599.63	599.99	599.94	600.05	600.07	600.00	600.06	599.95	599.75	599.83
1892	599.63	599.28	599.10	599.25	599.68	600.04	600.18	600.19	600.25	600.14	599.87	599.59	599.77
1893	599.41	599.21	599.22	599.47	599.94	600.48	600.67	600.76	600.63	600.57	600.51	600.05	600.08
1894	599.86	599.77	599.66	600.01	600.90	601.14	601.28	601.29	601.16	601.20	601.10	600.87	600.69
1895	600.62	600.48	600.28	600.26	600.52	600.91	601.15	601.17	601.34	601.46	600.94	600.82	600.83
1896	600.31	600.31	600.11	600.19	600.84	601.25	601.38	601.39	601.26	600.84	600.87	600.78	600.79
1897	600.54	600.24	600.25	600.39	600.74	601.10	601.33	601.48	601.32	601.10	601.00	600.50	600.83
1898	600.00	599.78	599.62	599.75	600.04	600.46	600.79	600.91	601.04	600.89	600.72	600.63	600.39
1899	600.15	600.00	599.89	599.88	600.77	601.22	601.42	601.57	601.75	601.42	601.31	601.26	600.89
1900	600.65	600.57	600.27	600.30	600.49	600.56	600.79	601.01	601.52	601.55	601.66	601.25	600.88
1901	600.79	600.49	600.27	600.38	600.65	600.77	601.18	601.36	601.22	601.34	601.28	600.90	600.89
1902	600.52	600.23	600.15	600.31	600.50	600.87	601.10	601.11	601.20	601.01	601.09	600.92	600.75
1903	600.46	600.22	600.14	600.38	600.78	601.19	601.32	601.42	601.44	601.60	601.48	601.03	600.96
1904	600.48	600.07	600.03	600.39	600.72	600.97	601.11	601.18	601.28	601.45	601.34	600.93	600.83
1905	600.63	600.22	599.99	600.40	600.69	600.87	601.22	601.35	601.59	601.58	601.35	601.14	600.92
1906	600.81	600.48	600.26	600.32	600.63	600.99	601.14	601.18	601.09	600.98	600.82	600.58	600.77
1907	600.26	600.07	599.98	600.13	600.32	600.72	600.92	601.07	601.28	601.32	601.06	600.74	600.66
1908	600.24	599.88	599.78	599.76	600.21	600.71	600.99	601.11	600.89	600.73	600.45	600.24	600.42
1909	599.87	599.64	599.54	599.50	599.85	600.15	600.39	600.54	600.51	600.44	600.36	600.44	600.10
1910	600.02	599.78	599.61	599.80	600.05	600.15	600.10	600.15	600.07	600.03	599.88	599.49	599.93
1911	599.16	598.95	598.77	598.79	599.06	599.48	599.86	600.34	600.36	600.39	600.20	600.08	599.62
1912	599.93	599.70	599.54	599.67	600.16	600.53	600.55	600.69	600.76	600.82	600.59	600.38	600.28
1913	599.93	599.69	599.46	599.71	600.22	600.47	600.75	600.88	600.89	601.13	601.02	600.95	600.42
1914	600.41	600.25	599.94	599.93	600.38	600.61	600.81	600.85	600.91	600.79	600.62	600.18	600.47
1915	599.82	599.64	599.58	599.42	599.76	600.01	600.40	600.47	600.44	600.83	600.98	600.77	600.18
1916	600.59	600.43	600.14	600.42	601.08	601.50	601.76	601.83	601.88	601.63	601.45	601.12	601.15
1917	600.45	600.22	600.08	600.24	600.33	600.54	600.67	600.83	600.83	600.76	600.51	600.17	600.47
1918	599.79	599.62	599.51	599.54	599.78	600.24	600.51	600.49	600.67	600.51	600.70	600.52	600.16
1919	600.37	600.14	599.93	600.14	600.44	600.59	600.75	600.78	600.74	600.55	600.68	600.50	600.47

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

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

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1920	600.15	599.91	599.86	600.36	600.44	600.68	600.96	600.87	600.76	600.73	600.59	600.32	600.47
1921	600.10	599.76	599.59	599.75	600.25	600.54	600.72	600.78	600.81	600.59	600.29	600.11	600.27
1922	599.68	599.48	599.23	599.52	600.06	600.31	600.61	600.80	600.83	600.67	600.44	600.22	600.15
1923	599.82	599.64	599.40	599.34	599.65	599.80	599.97	600.15	600.18	600.22	600.08	599.99	599.85
1924	599.64	599.26	599.09	599.01	599.33	599.39	599.55	599.71	599.97	599.91	599.92	599.63	599.53
1925	599.09	598.86	598.80	598.84	599.02	599.36	599.58	599.55	599.48	599.45	599.17	598.99	599.18
1926	598.55	598.20	598.11	598.12	598.30	598.65	599.01	599.20	599.52	599.88	599.83	599.71	598.92
1927	599.41	599.17	599.19	599.47	599.94	600.34	600.78	600.88	600.74	600.76	600.60	600.40	600.14
1928	600.09	599.73	599.52	599.71	600.25	600.52	600.98	601.09	601.27	601.36	601.22	600.88	600.55
1929	600.51	600.43	600.42	600.43	600.51	600.73	600.85	600.99	600.91	600.96	601.04	600.56	600.70
1930	600.38	600.07	600.09	600.03	600.41	600.70	601.00	600.96	600.89	600.93	600.66	600.51	600.55
1931	600.16	599.88	599.70	599.65	599.86	600.06	600.41	600.45	600.37	600.51	600.61	600.53	600.18
1932	600.37	600.18	600.06	600.04	600.32	600.59	600.86	601.04	601.03	600.74	600.54	600.43	600.52
1933	600.12	600.04	599.89	600.04	600.51	600.78	600.91	601.01	600.96	601.01	600.90	600.71	600.57
1934	600.44	600.25	600.11	600.20	600.66	600.84	600.88	600.77	600.85	601.11	600.92	600.80	600.65
1935	600.52	600.39	600.15	600.15	600.50	600.70	601.00	601.11	601.04	600.77	600.64	600.51	600.62
1936	600.55	600.35	600.07	600.24	600.72	600.98	601.00	600.83	600.83	600.78	600.57	600.13	600.59
1937	599.90	599.88	599.91	599.89	600.49	600.72	600.86	600.98	601.08	601.05	601.06	600.72	600.54
1938	600.45	600.23	600.11	600.50	601.01	601.23	601.24	601.21	601.07	600.74	600.82	600.75	600.78
1939	600.54	600.33	600.26	600.32	600.60	601.00	601.34	601.28	601.14	600.94	600.77	600.58	600.76
1940	600.21	599.76	599.67	599.63	600.05	600.61	600.86	600.85	600.87	600.63	600.64	600.44	600.35
1941	600.10	599.92	599.64	599.74	600.19	600.55	600.76	600.85	601.11	601.43	601.16	600.90	600.53
1942	600.47	600.32	600.25	600.17	600.72	600.95	601.00	601.07	601.23	601.22	601.29	601.19	600.82
1943	600.79	600.63	600.34	600.46	600.81	601.30	601.51	601.50	601.33	601.08	600.94	600.56	600.94
1944	600.08	599.96	599.65	599.73	600.25	600.79	601.23	601.43	601.43	601.20	600.84	600.78	600.61
1945	600.37	600.20	600.19	600.68	600.65	600.74	601.11	601.22	601.29	601.23	600.86	600.76	600.78
1946	600.49	600.21	600.10	600.47	600.48	600.71	601.01	601.06	601.06	601.03	601.23	601.02	600.74
1947	600.47	600.28	600.02	600.10	600.65	601.18	601.41	601.25	601.28	600.95	600.92	600.66	600.76
1948	600.18	599.80	599.61	599.90	600.46	600.48	600.58	600.79	600.80	600.59	600.56	600.47	600.35
1949	600.18	599.98	599.78	599.89	600.29	600.49	600.95	601.15	601.09	601.04	600.93	600.65	600.54

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

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

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1950	600.42	600.17	600.03	600.16	600.90	601.35	601.56	601.69	601.56	601.54	601.46	601.12	601.00
1951	600.82	600.54	600.68	600.91	601.17	601.29	601.48	601.43	601.54	601.62	601.45	601.14	601.17
1952	600.96	600.69	600.42	600.73	600.84	601.04	601.57	601.70	601.57	601.23	600.60	600.58	600.99
1953	600.24	599.99	599.83	600.07	600.26	600.76	601.29	601.18	601.08	600.68	600.44	600.39	600.52
1954	599.93	599.68	599.61	599.59	600.48	600.87	600.99	600.83	600.58	600.56	600.38	600.18	600.31
1955	599.86	599.53	599.53	599.67	600.05	600.27	600.32	600.62	600.61	600.78	600.66	600.38	600.19
1956	599.97	599.83	599.39	599.46	599.75	600.11	600.53	600.61	600.65	600.33	600.30	600.03	600.08
1957	599.75	599.33	599.37	599.49	599.97	600.20	600.67	600.71	600.69	600.52	600.57	600.29	600.13
1958	599.83	599.67	599.50	599.51	599.66	599.86	600.21	600.48	600.70	600.55	600.52	600.28	600.06
1959	599.95	599.61	599.56	599.61	599.91	600.35	600.55	600.73	601.10	601.01	600.77	600.39	600.30
1960	600.18	599.88	599.60	599.76	600.63	600.73	600.74	600.72	600.64	600.51	600.46	600.23	600.34
1961	599.78	599.51	599.53	599.71	600.08	600.28	600.39	600.42	600.48	600.52	600.43	600.30	600.12
1962	599.86	599.54	599.41	599.59	599.85	600.25	600.40	600.44	600.71	600.58	600.18	600.09	600.08
1963	599.76	599.44	599.32	599.71	599.90	600.20	600.47	600.56	600.48	600.43	600.36	600.13	600.06
1964	599.74	599.59	599.30	599.18	600.02	600.37	600.63	600.67	600.77	600.64	600.63	600.19	600.14
1965	599.89	599.56	599.37	599.52	599.94	600.22	600.29	600.34	600.32	600.52	600.34	600.31	600.05
1966	600.14	599.87	599.81	599.91	600.31	600.54	600.63	600.83	600.77	600.67	600.51	600.25	600.35
1967	600.03	599.86	599.57	600.01	600.39	600.53	600.75	600.86	600.73	600.55	600.61	600.23	600.34
1968	599.82	599.75	599.43	599.81	600.16	600.71	601.11	601.34	601.50	601.47	601.29	601.05	600.62
1969	600.76	600.67	600.40	600.44	600.75	600.82	600.88	600.95	600.83	600.82	600.70	600.33	600.70
1970	600.06	599.70	599.66	599.58	600.24	600.74	601.04	601.07	601.09	601.00	601.19	600.42	600.48
1971	600.58	600.29	600.25	600.40	600.69	601.04	601.23	601.25	601.09	600.96	600.92	600.83	600.79
1972	600.51	600.25	600.19	600.28	600.70	600.80	600.84	601.11	601.23	601.20	600.86	600.67	600.72
1973	600.36	600.18	600.32	600.53	601.05	601.25	601.44	601.60	601.50	601.43	601.29	600.82	600.98
1974	600.49	600.25	600.15	600.25	600.72	601.03	601.37	601.56	601.70	601.56	601.50	601.19	600.98
1975	600.91	600.61	600.26	600.22	600.70	600.96	601.29	601.27	601.23	601.00	600.98	600.93	600.86
1976	600.56	600.27	600.13	600.65	600.93	600.91	601.18	601.11	600.97	600.64	600.39	599.76	600.62
1977	599.48	599.25	599.33	599.67	599.86	600.07	600.36	600.50	600.91	601.05	600.86	600.71	600.17
1978	600.34	599.91	599.66	599.80	600.10	600.37	600.67	600.77	600.77	600.71	600.32	600.13	600.30
1979	599.71	599.50	599.65	599.99	600.59	601.05	601.15	601.13	601.07	600.95	601.00	600.80	600.55



U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

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

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1980	600.43	600.29	600.11	600.12	600.26	600.39	600.56	600.61	600.81	600.83	600.56	600.10	600.42
1981	599.76	599.64	599.77	600.02	600.25	600.41	600.59	600.50	600.41	600.33	600.30	600.05	600.17
1982	599.88	599.56	599.42	599.66	600.11	600.35	600.63	600.89	600.85	601.02	601.13	600.96	600.37
1983	600.79	600.48	600.44	600.53	600.61	600.81	601.02	601.01	601.07	601.18	600.95	600.90	600.82
1984	600.41	600.33	600.25	600.28	600.57	600.82	601.07	601.07	600.99	600.93	601.04	600.88	600.72
1985	600.62	600.30	600.25	600.42	600.89	601.24	601.50	601.63	601.72	601.82	601.76	601.64	601.15
1986													
1987													
1988													
1989													
1990													
1991													
1992													
1993													
1994													
1995													
1996													
1997													
1998													
1999													
2000													
2001													
2002													
2003													
2004													
2005													
2006													
2007													
2008													
2009													

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

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
MONTHLY AVERAGE FOR PERIOD 1860 THRU 1985													
	600.14	599.92	599.79	599.90	600.30	600.58	600.81	600.89	600.90	600.84	600.72	600.48	600.44
MONTHLY AVERAGE FOR PERIOD 1900 THRU 1985													
	600.18	599.94	599.81	599.94	600.31	600.59	600.82	600.90	600.92	600.87	600.76	600.52	600.46
MONTHLY AVERAGE FOR PERIOD 1976 THRU 1985													
	600.20	599.95	599.90	600.11	600.42	600.64	600.87	600.92	600.96	600.95	600.83	600.59	600.53
HIGHEST MONTHLY AVERAGE FOR PERIOD 1860 THRU 1985													
LEVEL	600.96	600.69	600.68	600.91	601.17	601.52	601.98	602.01	602.05	601.82	601.76	601.64	601.17
YEAR	1952	1952	1951	1951	1951	1876	1876	1876	1876	1985	1985	1985	1951
LOWEST MONTHLY AVERAGE FOR PERIOD 1860 THRU 1985													
LEVEL	598.55	598.20	598.11	598.12	598.30	598.65	599.01	599.20	599.48	599.45	599.17	598.99	598.92
YEAR	1926	1926	1926	1926	1926	1926	1926	1926	1925	1925	1925	1925	1926
HIGHEST MONTHLY AVERAGE FOR PERIOD 1860 THRU 1985									....602.05	SEP	1876		
LOWEST MONTHLY AVERAGE FOR PERIOD 1860 THRU 1985									.....598.11	MAR	1926		

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 7023 : Ludington, Michigan on Lake Michigan

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1890													
1891													
1892													
1893													
1894													
1895											577.39		577.39
1896								578.09					578.09
1897					578.56	578.83	578.99	578.97	578.77				578.82
1898													
1899													
1900						578.63	578.83	578.92	578.95	578.97			578.86
1901													
1902											578.43		578.43
1903					578.73	578.77	578.89	578.97	579.04	578.97	578.63		578.86
1904					579.28	579.72	579.75	579.64					579.60
1905													
1906											579.02		579.02
1907													
1908					579.65	579.80	579.95	579.78	579.49	579.11	578.54	578.39	579.34
1909													
1910													
1911													
1912													
1913													
1914													
1915													
1916													
1917													
1918													
1919													

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 7023 : Ludington, Michigan on Lake Michigan

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1920													
1921													
1922													
1923													
1924													
1925													
1926													
1927													
1928													
1929													
1930													
1931													
1932													
1933													
1934													
1935					576.31	576.59	576.77	576.75	576.45				576.57
1936								576.65	576.70	576.54	576.32		576.55
1937						576.64	576.74	576.80					576.73
1938													
1939								578.12	578.18				578.15
1940													
1941													
1942													
1943													
1944					578.86	579.01	579.02	578.91	578.83				578.93
1945					578.51	579.09	579.15						578.92
1946						579.18	579.11	578.85	578.56				578.92
1947					578.59	579.12	579.25	579.35	579.26				579.11
1948													
1949													

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 7023 : Ludington, Michigan on Lake Michigan

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1950								578.19	578.16	578.02	577.79	577.86	578.00
1951	577.85	577.89	578.12	578.66	579.25	579.47	579.72	579.78	579.73	579.78	579.79	579.82	579.16
1952	579.86	579.89	579.92	580.30	580.57	580.76	580.87	580.91	580.69	580.08	579.78	579.73	580.28
1953	579.53	579.41	579.47	579.77	580.08	580.28	580.37	580.36	580.03	579.78	579.39	579.10	579.80
1954	578.84	578.72	578.79	579.10	579.49	579.83	579.90	579.80	579.72	579.95	579.87	579.65	579.47
1955	579.50	579.36	579.21	579.47	579.67	579.77	579.66	579.37	578.85	578.51	578.26	578.00	579.14
1956	577.81	577.72	577.89	578.03	578.45	578.65	578.82	578.79	578.57	578.28	577.96	577.68	578.22
1957	577.42	577.36	577.33	577.45	577.74	577.93	578.20	577.97	577.79	577.49	577.39	577.24	577.61
1958	577.17	577.11	577.14	577.29	577.21	577.16	577.31	577.07	576.92	576.67	576.38	576.02	576.95
1959	575.87	575.90	576.08	576.53	577.04	577.15	577.18	577.21	577.08	577.09	577.09	577.14	576.78
1960	577.13	577.25	577.21	577.57	578.44	578.87	579.12	579.32	579.15	578.80	578.60	578.20	578.30
1961	577.95	577.81	577.88	577.98	578.17	578.24	578.31	578.23	578.18	578.00	577.78	577.57	578.01
1962	577.35	577.40	577.47	577.64	578.00	578.07	577.95	577.85	577.58	577.38	577.01	576.64	577.53
1963	576.44	576.32	576.36	576.57	576.89	577.00	576.93	576.89	576.77	576.48	576.09	575.83	576.55
1964	575.55	575.44	575.42	575.60	575.94	576.01	576.09	576.03	575.95	575.75	575.64	575.54	575.75
1965	575.46	575.57	575.78	576.10	576.64	576.86	576.88	576.91	577.05	577.08	577.00	577.11	576.54
1966	577.09	577.08	577.28	577.52	577.65	577.82	577.71	577.56	577.32	576.97	576.85	577.05	577.32
1967	577.04	577.07	577.04	577.57	577.98	578.34	578.46	578.35	578.11	577.90	577.84	577.81	577.79
1968	577.82	577.77	577.74	578.03	578.22	578.44	578.64	578.69	578.83	578.64	578.46	578.45	578.31
1969	578.39	578.38	578.31	578.66	579.18	579.57	579.99	579.93	579.64	579.32	579.15	578.91	579.12
1970	578.76	578.60	578.58	578.82	579.17	579.40	579.50	579.41	579.37	579.26	579.13	579.06	579.09
1971	578.88	579.00	579.06	579.35	579.69	579.98	580.02	579.94	579.85	579.65	579.31	579.23	579.50
1972	579.03	578.94	579.00	579.26	579.85	579.96	580.16	580.34	580.38	580.16	580.15	580.03	579.77
1973	580.03	580.06	580.20	580.56	580.86	581.21	581.15	581.09	580.76	580.59	580.22	580.22	580.58
1974	579.97	580.06	580.17	580.49	580.81	581.14	581.21	580.99	580.56	580.22	580.07	579.85	580.46
1975	579.72	579.67	579.76	579.91	580.42	580.71	580.60	580.48	580.37	579.95	579.75	579.56	580.08
1976	579.35	579.31	579.79	580.21	580.55	580.74	580.63	580.36	579.88	579.44	578.96	578.61	579.82
1977	578.23	578.14	578.37	578.76	578.81	578.70	578.72	578.64	578.64	578.53	578.57	578.64	578.56
1978	578.43	578.40	578.31	578.66	578.94	579.10	579.16	579.13	579.28	579.15	578.94	578.63	578.84
1979	578.55	578.53	578.75	579.29	579.86	580.04	580.11	580.15	579.99	579.82	579.61	579.51	579.52

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 7023 : Ludington, Michigan on Lake Michigan

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1980	579.43	579.29	579.13	579.49	579.70	579.89	579.95	579.96	579.85	579.56	579.24	578.97	579.54
1981	578.85	578.81	578.84	579.16	579.39	579.56	579.60	579.61	579.48	579.35	579.04	578.82	579.21
1982	578.57	578.45	578.43	578.73	579.02	579.08	579.21	579.16	579.06	578.96	578.88	579.11	578.89
1983	579.11	579.14	579.26	579.49	579.92	580.30	580.26	580.13	579.91	579.75	579.53	579.33	579.68
1984	579.23	579.27	579.30	579.68	579.91	580.27	580.37	580.32	580.26	580.08	579.96	579.76	579.87
1985	579.83	579.76	580.21	580.76	581.05	581.05	580.95	580.82	580.89	580.68	580.90	580.84	580.64
1986													
1987													
1988													
1989													
1990													
1991													
1992													
1993													
1994													
1995													
1996													
1997													
1998													
1999													
2000													
2001													
2002													
2003													
2004													
2005													
2006													
2007													
2008													
2009													

Station 7023 : Ludington, Michigan on Lake Michigan

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
MONTHLY AVERAGE FOR PERIOD 1895 THRU 1985													
	578.29	578.25	578.33	578.64	578.91	579.06	579.13	578.97	578.89	578.77	578.54	578.48	578.69
MONTHLY AVERAGE FOR PERIOD 1900 THRU 1985													
	578.29	578.25	578.33	578.64	578.92	579.06	579.14	578.99	578.89	578.77	578.57	578.48	578.69
MONTHLY AVERAGE FOR PERIOD 1976 THRU 1985													
	578.96	578.91	579.04	579.42	579.72	579.87	579.90	579.83	579.72	579.53	579.36	579.22	579.46
HIGHEST MONTHLY AVERAGE FOR PERIOD 1895 THRU 1985													
LEVEL	580.03	580.06	580.21	580.76	581.05	581.21	581.21	581.09	580.89	580.68	580.90	580.84	580.64
YEAR	1973	1974	1985	1985	1985	1973	1974	1973	1985	1985	1985	1985	1985
LOWEST MONTHLY AVERAGE FOR PERIOD 1895 THRU 1985													
LEVEL	575.46	575.44	575.42	575.60	575.94	576.01	576.09	576.03	575.95	575.75	575.64	575.54	575.75
YEAR	1965	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964
HIGHEST MONTHLY AVERAGE FOR PERIOD 1895 THRU 1985 .....581.21 JUL 1974													
LOWEST MONTHLY AVERAGE FOR PERIOD 1895 THRU 1985 .....575.42 MAR 1964													

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 7031 : Holland, Michigan on Lake Michigan

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1890													
1891													
1892													
1893													
1894						579.37							579.37
1895						578.34				577.60	577.33	577.25	577.63
1896			577.22	577.39							577.57		577.39
1897					578.46			578.90					578.68
1898													
1899							579.21	579.11	578.86	578.56	578.35		578.82
1900				578.24	578.37								578.30
1901													
1902													
1903					578.62		578.72	578.78	578.90	578.85	578.47		578.72
1904													
1905				578.77		578.60							578.68
1906					579.42	579.58	579.60	579.56	579.24	579.10	578.93		579.35
1907				579.14	579.27	579.61	579.64	579.57	579.58	579.26	579.00		579.38
1908				579.12	579.57	579.72	579.91	579.73	579.38	579.00	578.50		579.37
1909													
1910													
1911													
1912													
1913													
1914													
1915													
1916													
1917													
1918													
1919													



U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 7031 : Holland, Michigan on Lake Michigan

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1920													
1921													
1922													
1923													
1924													
1925													
1926													
1927													
1928													
1929													
1930													
1931													
1932													
1933													
1934													
1935					576.38	576.57	576.75	576.75	576.46				576.58
1936													
1937													
1938													
1939													
1940													
1941									576.95	577.03	577.20		577.06
1942								578.28	578.10	577.88	577.70		577.99
1943													
1944													
1945													
1946													
1947													
1948													
1949													

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 7031 : Holland, Michigan on Lake Michigan

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1950													
1951													
1952													
1953													
1954													
1955													
1956					578.41	578.62	578.79	578.72	578.66				578.64
1957													
1958													
1959					577.00	577.08	577.10	577.14	576.99	577.08	577.07	577.18	577.08
1960	577.17	577.33	577.27	577.54	578.42	578.77	579.01	579.20	579.10	578.75	578.49	578.18	578.27
1961	577.99	577.80	577.91	578.00	578.12	578.18	578.26	578.17	578.12	577.99	577.74	577.52	577.98
1962	577.33	577.41	577.47	577.63	577.92	578.02	577.90	577.80	577.51	577.37	576.94	576.63	577.49
1963	576.38	576.28	576.34	576.52	576.83	576.93	576.87	576.83	576.74	576.39	576.04	575.85	576.50
1964	575.48	575.38	575.45	575.55	575.85	575.93	576.05	575.99	575.84	575.66	575.53	575.46	575.68
1965	575.38	575.50	575.74	576.05	576.55	576.78	576.81	576.84	576.92	577.03	576.91	577.03	576.46
1966	577.05	577.03	577.21	577.50	577.59	577.71	577.60	577.47	577.30	576.85	576.85	576.99	577.26
1967	576.93	576.99	576.97	577.48	577.92	578.23	578.38	578.30	578.09	577.85	577.73	577.73	577.72
1968	577.66	577.74	577.59	577.86	578.13	578.31	578.50	578.59	578.69	578.54	578.42	578.37	578.20
1969	578.32	578.35	578.24	578.59	579.08	579.53	579.87	579.78	579.53	579.23	579.09	578.88	579.04
1970	578.76	578.58	578.52	578.66	579.04	579.27	579.39	579.29	579.23	579.14	579.08	578.97	578.99
1971	578.75	578.76	578.95	579.21	579.61	579.89	579.87	579.84	579.75	579.54	579.24	579.19	579.38
1972	578.89	578.89	579.02	579.22	579.74	579.86	580.00	580.23	580.24	580.01	580.07	579.93	579.68
1973	579.90	579.94	580.09	580.47	580.73	581.04	580.96	580.94	580.66	580.51	580.15	580.11	580.46
1974	579.85	579.97	580.05	580.38	580.71	580.99	581.05	580.81	580.46	580.09	579.92	579.74	580.34
1975	579.61	579.62	579.71	579.85	580.29	580.56	580.50	580.38	580.23	579.83	579.68	579.47	579.98
1976	579.32	579.31	579.69	580.14	580.46	580.56	580.56	580.30	579.84	579.42	578.83	578.36	579.73
1977	578.16	577.98	578.25	578.67	578.73	578.61	578.59	578.50	578.52	578.43	578.46	578.53	578.45
1978	578.41	578.31	578.19	578.60	578.88	578.98	579.04	579.01	579.17	579.02	578.79	578.47	578.74
1979	578.44	578.46	578.67	579.18	579.73	579.92	580.02	580.06	579.86	579.73	579.46	579.37	579.41

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 7031 : Holland, Michigan on Lake Michigan

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1980	579.32	579.21	579.05	579.40	579.59	579.78	579.85	579.81	579.70	579.46	579.10	578.86	579.43
1981	578.78	578.68	578.75	579.02	579.32	579.43	579.53	579.54	579.43	579.24	578.95	578.71	579.12
1982	578.54	578.33	578.36	578.58	578.92	579.00	579.08	579.08	579.00	578.77	578.73	578.95	578.78
1983	579.02	579.04	579.24	579.41	579.84	580.17	580.12	580.05	579.76	579.62	579.44	579.26	579.58
1984	579.11	579.19	579.26	579.58	579.80	580.16	580.24	580.22	580.10	579.93	579.80	579.61	579.75
1985	579.73	579.63	580.05	580.64	580.93	580.94	580.81	580.68	580.72	580.52	580.79	580.76	580.52
1986													
1987													
1988													
1989													
1990													
1991													
1992													
1993													
1994													
1995													
1996													
1997													
1998													
1999													
2000													
2001													
2002													
2003													
2004													
2005													
2006													
2007													
2008													
2009													

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

SUMMARY OF AVERAGE AND EXTREME LEVELS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 7031 : Holland, Michigan on Lake Michigan

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
MONTHLY AVERAGE FOR PERIOD 1894 THRU 1985													
	578.24	578.22	578.27	578.59	578.81	579.00	579.08	579.01	578.82	578.67	578.45	578.41	578.63
MONTHLY AVERAGE FOR PERIOD 1900 THRU 1985													
	578.24	578.22	578.31	578.63	578.82	579.01	579.07	579.01	578.82	578.70	578.52	578.45	578.65
MONTHLY AVERAGE FOR PERIOD 1976 THRU 1985													
	578.88	578.81	578.95	579.32	579.62	579.76	579.78	579.72	579.61	579.41	579.24	579.09	579.35
HIGHEST MONTHLY AVERAGE FOR PERIOD 1894 THRU 1985													
LEVEL	579.90	579.97	580.09	580.64	580.93	581.04	581.05	580.94	580.72	580.52	580.79	580.76	580.52
YEAR	1973	1974	1973	1985	1985	1973	1974	1973	1985	1985	1985	1985	1985
LOWEST MONTHLY AVERAGE FOR PERIOD 1894 THRU 1985													
LEVEL	575.38	575.38	575.45	575.55	575.85	575.93	576.05	575.99	575.84	575.66	575.53	575.46	575.68
YEAR	1965	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964

HIGHEST MONTHLY AVERAGE FOR PERIOD 1894 THRU 1985 ....581.05 JUL 1974

LOWEST MONTHLY AVERAGE FOR PERIOD 1894 THRU 1985 .....575.38 FEB 1964

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 7044 : Calumet Harbor, Illinois on Lake Michigan

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1890													
1891													
1892													
1893													
1894													
1895													
1896													
1897													
1898													
1899													
1900													
1901													
1902													
1903		577.65		578.60	578.68	578.75	578.75	578.74	578.74	578.87	578.51	577.98	578.53
1904	578.14	578.22	578.40	578.84	579.08	579.58	579.68	579.51	579.42	579.27	579.06	578.72	578.99
1905	578.71	578.59	578.72	578.93	579.21	579.54	579.64	579.63	579.48	579.20	578.94	578.78	579.11
1906	578.74	578.84	579.01	579.08	579.31	579.42	579.48	579.43	579.21	579.05	578.86	578.96	579.12
1907	578.83	578.84	578.70	578.93	579.00	579.25	579.12	578.80	578.76	578.77	578.89	578.78	578.89
1908	578.59	578.87	578.59	578.76	579.43	579.66	579.78	579.81	579.56	578.99			579.20
1909	578.01	578.06	578.21	578.38	578.98	579.23	579.24	579.20	578.88	578.43	578.22	578.09	578.58
1910	578.18	578.19	578.02	578.21	578.50	578.69	578.57	578.36	578.44	578.08	577.90	577.57	578.23
1911	577.33	577.53	577.38	577.60	577.92	578.04	577.97	577.95	577.78	577.82	577.51	577.49	577.69
1912	577.58	577.62	577.37	577.53	578.12	578.58	578.66	578.70	578.80	578.57		578.16	578.15
1913	578.04	578.01	578.22	578.93	579.24	579.32	579.38	579.41	579.13	578.88	578.52	578.39	578.79
1914	578.17	578.17	578.15	578.22	578.44	578.74	578.89	578.76	578.55	578.45	577.86	577.68	578.34
1915	577.44	577.69	577.73	577.62	577.81	577.97	578.07	578.33	578.10	577.84	577.52	577.50	577.80
1916	577.28	577.47	577.67	578.09	578.61	579.12	579.33	579.18	578.81	578.67	578.74	578.67	578.47
1917	578.46	578.52	578.53	578.85	579.33	579.63	580.01	579.99	579.79	579.52	579.26	578.97	579.24
1918	578.99	578.98	579.24	579.69	579.91	580.10	580.19	580.01	579.66	579.42	579.26	579.27	579.56
1919	578.93	578.94	579.05	579.32	579.69	579.82	579.60	579.39	578.94	578.83	578.64	578.35	579.12

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 7044 : Calumet Harbor, Illinois on Lake Michigan

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1920	578.28	578.25	578.30	578.74	578.91	579.01	579.15	579.18	578.98	578.69	578.45	578.17	578.68
1921	577.86	577.92	577.83	578.45	578.71	578.72	578.56	578.34	578.10	577.99	577.86	577.72	578.17
1922	577.37	577.37	577.61	578.01	578.52	578.63	578.74	578.66	578.49	578.11	577.64	577.31	578.04
1923	577.28	577.10	577.25	577.39	577.79	577.88	578.01	577.96	577.88	577.56	577.10	576.88	577.51
1924	576.68	576.91	576.91	577.01	577.33	577.53	577.67	577.83	577.57	577.39	576.84	576.62	577.19
1925	576.58	576.41	576.45	576.59	576.57	576.57	576.69	576.62	576.44	576.04	575.65	575.62	576.35
1926	575.45	575.57	575.75	575.96	576.24	576.50	576.67	576.83	576.81	576.46	576.32	576.45	576.25
1927	576.37	576.54	576.62	576.90	577.24	577.62	577.80	577.77	577.39	577.30	577.18	576.96	577.14
1928	576.79	577.01	577.09	577.27	578.00	578.22	578.54	578.70	578.44	578.50	578.62	578.66	577.99
1929	578.63	578.77	578.75	579.47	580.13	580.32	580.35	580.25	579.95	579.69	579.13	578.84	579.52
1930	578.49	578.64	578.84	578.91	579.21	579.17	579.38	579.24	578.63	578.45	577.94	577.59	578.71
1931	577.28	577.32	577.55	577.32	577.35	577.36	577.28	577.24	576.81	576.65	576.38	576.35	577.07
1932	576.35	576.26	576.30	576.60	576.78	576.79	576.74	576.63	576.45	576.26	576.03	575.82	576.42
1933	575.47	575.42	575.89	576.21	576.74	576.84	576.98	576.79	576.48	575.95	575.77	575.73	576.19
1934	575.55	575.46	575.58	575.76	575.98	576.24	576.36	576.20	576.12	575.78	575.59	575.71	575.86
1935	575.69	575.87	575.96	576.30	576.50	576.59	576.80	576.79	576.52	576.27	576.29	576.22	576.32
1936	576.20	576.05	576.18	576.42	576.68	576.98	576.91	576.75	576.79	576.54	576.23	575.92	576.47
1937	575.93	576.00	576.21	576.38	576.73	576.82	576.85	576.82	576.69	576.40	576.02	575.86	576.39
1938	575.96	576.34	576.45	576.94	577.29	577.56	577.75	577.68	577.87	577.61	577.20	576.94	577.13
1939	576.94	576.87	577.08	577.24	577.66	578.03	578.17	578.18	578.20	577.72	577.55	577.20	577.57
1940	576.97	577.07	576.91	576.98	577.21	577.39	577.53	577.71	577.66	577.41	576.91	576.90	577.22
1941	577.05	576.99	576.96	577.07	577.28	577.41	577.28	577.09	576.88	576.99	577.16	577.11	577.11
1942	577.03	577.26	577.34	577.71	578.02	578.46	578.41	578.29	578.07	577.85	577.65	577.47	577.80
1943	577.54	577.51	577.72	578.19	578.69	579.28	579.63	579.72	579.50	579.45	579.16	578.64	578.75
1944	578.49	578.51	578.55	578.83	578.95	579.04	579.09	578.91	578.80	578.74	578.54	578.06	578.71
1945	577.90	577.81	577.92	578.24	578.61	579.17	579.25	579.12	579.09	578.79	578.69	578.62	578.60
1946	578.40	578.60	579.00	579.05	579.13	579.25	579.28	579.02	578.67	578.27	577.89	577.60	578.68
1947	577.54	577.59	577.56	578.09	578.67	579.16	579.39	579.46	579.24	579.08	578.80	578.49	578.59
1948	578.26	578.15	578.44	578.80	579.20	579.15	579.11	578.95	578.69	578.05	577.70	577.47	578.50
1949	577.36	577.25	577.42	577.69	577.83	577.90	578.05	577.89	577.31	577.10	576.78	576.42	577.42

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 7044 : Calumet Harbor, Illinois on Lake Michigan

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1950	576.51	576.82	576.84	577.40	577.73	577.81	578.12	578.33	578.36	578.08	577.84	577.80	577.64
1951	577.87	577.90	578.19	578.70	579.28	579.49	579.74	579.90	579.69	579.87	579.76	579.69	579.17
1952	579.69	579.92	580.00	580.36	580.58	580.71	580.76	580.97	580.70	580.08	579.74	579.70	580.27
1953	579.57	579.29	579.50	579.81	580.07	580.22	580.35	580.42	580.04	579.87	579.35	578.90	579.78
1954	578.86	578.70	578.90	579.10	579.47	579.78	579.90	579.89	579.78	579.99	579.83	579.72	579.49
1955	579.47	579.36	579.31	579.55	579.71	579.80	579.68	579.42	578.90	578.45	578.10	577.86	579.13
1956	577.81	577.66	577.86	577.98	578.42	578.54	578.76	578.85	578.53	578.18	577.79	577.51	578.16
1957	577.22	577.26	577.32	577.48	577.68	577.83	578.10	578.02	577.79	577.64	577.19	577.19	577.56
1958	577.29	577.32	577.31	577.37	577.26	577.21	577.33	577.08	576.86	576.59	576.18	575.95	576.98
1959	575.89	575.89	576.22	576.63	577.10	577.26	577.22	577.15	577.06	577.16	577.08	577.20	576.82
1960	577.18	577.43	577.39	577.60	578.52	578.93	579.15	579.25	579.21	578.77	578.40	578.13	578.33
1961	578.00	577.84	578.02	578.05	578.23	578.26	578.33	578.29	578.16	577.99	577.77	577.50	578.04
1962	577.23	577.45	577.59	577.70	578.02	578.19	578.09	577.93	577.68	577.49	577.04	576.66	577.59
1963	576.32	576.26	576.37	576.60	576.83	577.09	577.00	576.95	576.95	576.49	576.07	575.83	576.56
1964	575.47	575.41	575.57	575.66	575.93	576.04	576.16	576.06	575.93	575.72	575.55	575.52	575.75
1965	575.47	575.52	575.88	576.21	576.62	576.91	576.90	576.96	577.02	577.10	576.92	577.08	576.55
1966	577.13	577.13	577.29	577.64	577.73	577.79	577.74	577.58	577.48	576.82	576.97	577.04	577.36
1967	576.92	577.05	577.07	577.58	578.05	578.34	578.49	578.46	578.28	577.87	577.83	577.81	577.81
1968	577.79	577.88	577.76	577.92	578.26	578.41	578.57	578.64	578.73	578.51	578.57	578.38	578.28
1969	578.30	578.51	578.43	578.75	579.19	579.55	579.99	579.81	579.68	579.26	579.11	578.99	579.13
1970	578.77	578.62	578.73	578.79	579.11	579.38	579.45	579.35	579.28	579.20	579.10	579.02	579.07
1971	578.77	578.82	579.13	579.33	579.70	579.96	579.93	579.93	579.84				579.49
1972					579.99	580.01	580.07	580.31	580.33	580.15	580.19	579.98	580.13
1973	579.93	580.16	580.35	580.62	580.85	581.07	581.07			580.50	580.20	580.19	580.49
1974	579.88	580.21	580.17	580.47	580.79	581.07	581.09	580.90	580.52	580.14	580.00	579.84	580.42
1975	579.55	579.65	579.91	580.01	580.38	580.55	580.53	580.45	580.42	579.92	579.64	579.58	580.05
1976	579.26	579.29	579.72	580.31	580.57	580.63	580.63	580.42	579.99	579.53	578.81	578.39	579.80
1977	578.18	578.09	578.33	578.80	578.83	578.75	578.65	578.54			578.48	578.52	578.52
1978	578.55	578.44	578.35	578.73	578.99	579.07	579.11	579.02	579.31	579.02	578.85	578.49	578.83
1979	578.54	578.58	578.72	579.31	579.86	580.02	580.15	580.14	579.99	579.79	579.43	579.40	579.49

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 7044 : Calumet Harbor, Illinois on Lake Michigan

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1980	579.30	579.31	579.19	579.54	579.69	579.91	579.93	579.89	579.76	579.53	579.17	578.98	579.52
1981	578.84	578.65	578.89	579.09	579.50	579.48	579.68	579.61	579.60	579.34	579.10	578.72	579.21
1982	578.50	578.41	578.39	578.68	579.03	579.13	579.14	579.15	579.08	578.78	578.73	578.92	578.83
1983	579.09	579.13	579.46	579.52	579.95	580.27	580.17	580.15	579.78	579.74	579.56	579.23	579.67
1984	579.08	579.33	579.42	579.75	579.86	580.23	580.32	580.35	580.16	579.98	579.84	579.64	579.83
1985	579.81	579.76	580.16	580.70	581.02	581.03	580.88	580.79	580.74	580.58	580.94	580.65	580.59
1986													
1987													
1988													
1989													
1990													
1991													
1992													
1993													
1994													
1995													
1996													
1997													
1998													
1999													
2000													
2001													
2002													
2003													
2004													
2005													
2006													
2007													
2008													
2009													



Station 7044 : Calumet Harbor, Illinois on Lake Michigan

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
MONTHLY AVERAGE FOR PERIOD 1903 THRU 1985													
	577.77	577.81	577.92	578.19	578.53	578.72	578.79	578.72	578.55	578.32	578.07	577.91	578.28
MONTHLY AVERAGE FOR PERIOD 1976 THRU 1985													
	578.92	578.90	579.06	579.44	579.73	579.85	579.87	579.81	579.82	579.59	579.29	579.09	579.45
HIGHEST MONTHLY AVERAGE FOR PERIOD 1903 THRU 1985													
LEVEL	579.93	580.21	580.35	580.70	581.02	581.07	581.09	580.97	580.74	580.58	580.94	580.65	580.59
YEAR	1973	1974	1973	1985	1985	1974	1974	1952	1985	1985	1985	1985	1985
LOWEST MONTHLY AVERAGE FOR PERIOD 1903 THRU 1985													
LEVEL	575.45	575.41	575.57	575.66	575.93	576.04	576.16	576.06	575.93	575.72	575.55	575.52	575.75
YEAR	1926	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964
HIGHEST MONTHLY AVERAGE FOR PERIOD 1903 THRU 1985 .....581.09 JUL 1974													
LOWEST MONTHLY AVERAGE FOR PERIOD 1903 THRU 1985 .....575.41 FEB 1964													

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 7057 : Milwaukee South, Wisconsin on Lake Michigan

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1950													
1951													
1952													
1953													
1954													
1955													
1956													
1957													
1958													
1959													
1960													
1961													
1962													
1963													
1964													
1965													
1966													
1967													
1968													
1969													
1970	578.74	578.60	578.64	578.78	579.10	579.33	579.41	579.32	579.27	579.21	579.12	579.04	579.05
1971	578.78	578.84	579.07	579.31	579.69	579.95	579.85		579.73	579.58	579.28	579.24	579.39
1972	578.91	578.99	579.09	579.35	579.82	579.94	580.05	580.29	580.30	580.14	580.14	579.96	579.75
1973	579.93	580.07	580.23	580.58	580.84	581.09	581.05	581.02	580.75	580.60	580.20	580.22	580.55
1974	579.90	580.12	580.16	580.49	580.80	581.07	581.09	580.89	580.51	580.21	580.00	579.84	580.42
1975	579.66	579.64	579.79	579.94	580.36	580.59	580.52	580.44	580.38	579.92	579.69	579.57	580.04
1976	579.28	579.29	579.77	580.26	580.52	580.62	580.61	580.38	579.94	579.47	578.79	578.38	579.78
1977	578.12	578.08	578.35	578.78	578.80	578.68	578.64	578.52	578.58	578.52	578.50	578.56	578.51
1978	578.51	578.35	578.28	578.69	578.95	579.06	579.12	579.03	579.26	579.04	578.88	578.54	578.81
1979	578.49	578.55	578.73	579.29	579.86	580.01	580.12	580.14	579.97	579.80	579.50	579.44	579.49

Station 7057 : Milwaukee South, Wisconsin on Lake Michigan

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1980	579.33	579.28	579.15	579.51	579.69	579.86	579.92	579.90	579.78	579.52	579.19	578.97	579.51
1981	578.81	578.73	578.86	579.14	579.44	579.50	579.65	579.63	579.58	579.34	579.07	578.75	579.21
1982	578.51	578.39	578.37	578.71	579.02	579.09	579.16	579.13	579.06	578.85	578.79	579.00	578.84
1983	579.10	579.15	579.37	579.53	579.95	580.28	580.20	580.14	579.81	579.73	579.56	579.26	579.67
1984	579.16	579.30	579.37	579.72	579.89	580.24	580.33	580.34	580.18	580.01	579.87	579.67	579.84
1985	579.83	579.78	580.29	580.80	581.09	581.07	580.94	580.85	580.87	580.65	581.04	580.73	580.66
1986													
1987													
1988													
1989													
1990													
1991													
1992													
1993													
1994													
1995													
1996													
1997													
1998													
1999													
2000													
2001													
2002													
2003													
2004													
2005													
2006													
2007													
2008													
2009													

Station 7057 : Milwaukee South, Wisconsin on Lake Michigan

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
MONTHLY AVERAGE FOR PERIOD 1970 THRU 1985													
	579.07	579.07	579.22	579.56	579.86	580.02	580.04	580.00	579.87	579.66	579.48	579.32	579.60
MONTHLY AVERAGE FOR PERIOD 1976 THRU 1985													
	578.91	578.89	579.05	579.44	579.72	579.84	579.87	579.81	579.70	579.49	579.32	579.13	579.43
HIGHEST MONTHLY AVERAGE FOR PERIOD 1970 THRU 1985													
LEVEL	579.93	580.12	580.29	580.80	581.09	581.09	581.09	581.02	580.87	580.65	581.04	580.73	580.66
YEAR	1973	1974	1985	1985	1985	1973	1974	1973	1985	1985	1985	1985	1985
LOWEST MONTHLY AVERAGE FOR PERIOD 1970 THRU 1985													
LEVEL	578.12	578.08	578.28	578.69	578.80	578.68	578.64	578.52	578.58	578.52	578.50	578.38	578.51
YEAR	1977	1977	1978	1978	1977	1977	1977	1977	1977	1977	1977	1976	1977
HIGHEST MONTHLY AVERAGE FOR PERIOD 1970 THRU 1985 .....581.09 JUL 1974													
LOWEST MONTHLY AVERAGE FOR PERIOD 1970 THRU 1985 .....578.08 FEB 1977													

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 7058 : Milwaukee, Wisconsin on Lake Michigan

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1860	580.56	580.74	580.77	580.90	581.02	581.14	581.18	580.99	580.79	580.48	580.15	579.99	580.73
1861	579.88	579.97	580.36	580.46	580.88	581.04	581.17	581.41	581.10	580.98	580.75	580.58	580.72
1862	580.38	580.23	580.53	580.69	580.94	581.07	580.97	580.96	580.89	580.78	580.39	580.25	580.67
1863	580.18	580.23	580.22	580.22	580.43	580.52	580.47	580.34	580.16	580.07	579.90	579.97	580.23
1864	579.74	579.60	579.85	580.00	580.07	580.06	579.96	579.78	579.51	579.12	578.95	578.82	579.62
1865	578.61	578.70	578.87	579.36	579.52	579.56	579.99	580.01	579.89	579.65	579.09	578.78	579.34
1866	578.52	578.28	578.33	578.78	578.96	579.25	579.51	579.57	579.42	579.31	579.22	578.96	579.01
1867	578.94	578.99	579.17	579.46	579.68	579.99	580.14	580.07	579.80	579.47	579.01	578.66	579.45
1868	578.50	578.46	579.14	579.04	579.32	579.53	579.56	579.22	578.98	578.75	578.68	578.40	578.96
1869	578.30	578.37	578.11	578.48	578.81	579.34	579.72	579.98	579.87	579.51	579.39	579.11	579.08
1870	579.17	579.26	579.56	579.98	580.32	580.46	580.57	580.48	580.62	580.22	579.82	579.47	579.99
1871	579.62	579.54	580.14	580.34	580.69	580.73	580.76	580.53	579.86	579.17	579.12	578.53	579.92
1872	578.40	578.40	578.18	578.43	578.68	579.05	579.38	579.36	579.29	579.17	578.88	578.22	578.79
1873	578.22	578.26	578.57	579.14	579.70	580.03	579.99	580.09	579.90	579.84	579.61	579.57	579.41
1874	579.53	579.82	579.97	579.87	579.85	580.22	580.15	580.16	579.91	579.50	579.30	578.96	579.77
1875	578.82	578.69	578.75	579.11	579.67	579.91	579.94	580.11	580.04	579.89	579.68	579.49	579.51
1876	579.44	579.64	579.97	580.17	580.79	581.20	581.54	581.47	581.42	580.84	580.94	580.47	580.66
1877	580.33	580.34	580.34	580.72	580.61	580.68	580.65	580.53	580.32	580.33	580.21	580.15	580.43
1878	580.03	579.96	580.12	580.14	580.44	580.58	580.59	580.27	580.07	579.96	579.83	579.51	580.12
1879	579.20	579.21	579.25	579.24	579.37	579.44	579.53	579.34	579.22	579.00	578.78	578.81	579.20
1880	578.85	578.76	578.80	578.97	579.31	579.82	580.04	580.07	579.77	579.43	579.11	578.94	579.32
1881	578.95	579.16	579.45	580.36	579.87	580.10	580.07	580.07	579.84	580.17	580.00	579.90	579.83
1882	579.68	579.67	580.04	580.17	580.27	580.54	580.60	580.79	580.67	580.26	580.05	579.72	580.20
1883	579.46	579.50	579.59	579.80	580.28	580.64	581.24	581.21	581.02	580.80	580.08	580.27	580.32
1884	580.05	580.17	580.42	580.60	580.81	580.97	580.81	580.67	580.42	580.42	580.06	580.03	580.45
1885	580.04	580.27	580.23	580.42	580.78	580.99	581.08	581.29	581.15	581.01	580.71	580.42	580.70
1886	580.65	580.67	580.95	581.22	581.48	581.55	581.36	581.13	580.89	580.79	580.45	580.12	580.94
1887	580.04	580.41	580.57	580.52	580.72	580.85	580.79	580.65	580.31	579.85	579.53	579.40	580.30
1888	579.22	579.18	579.36	579.57	579.95	580.22	580.23	580.11	579.96	579.71	579.66	579.08	579.69
1889	579.06	579.03	579.01	579.02	579.10	579.56	579.74	579.50	579.33	579.08	578.73	578.55	579.14

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 7058 : Milwaukee, Wisconsin on Lake Michigan

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1890	578.63	578.59	578.57	578.89	579.12	579.53	579.60	579.52	579.32	579.21	578.87	578.52	579.03
1891	578.50	578.26	578.45	578.76	578.86	579.01	578.84	578.77	578.54	578.18	577.78	577.74	578.47
1892	577.84	578.03	577.93	577.99	578.41	578.86	578.94	579.02	578.82	578.58	578.31	578.04	578.40
1893	578.03	578.17	578.28	578.74	579.04	579.37	579.39	579.22	578.90	578.76	578.37	578.30	578.71
1894	578.31	578.34	578.60	578.75	579.29	579.45	579.48	579.40	578.97	578.76	578.49	578.14	578.83
1895	577.96	577.85	577.82	578.01	578.18	578.23	578.12	578.00	577.73	577.36	577.14	577.03	577.79
1896	577.11	577.15	577.16	577.34	577.62	577.94	577.88	577.81	577.71	577.66	577.44	577.39	577.52
1897	577.38	577.46	577.77	577.94	578.43	578.70	578.89	578.83	578.58	578.29	578.03	577.81	578.18
1898	577.76	577.90	578.22	578.54	578.82	578.95	578.93	578.73	578.38	578.37	577.96	577.62	578.35
1899	577.57	577.65	577.85	578.12	578.56	578.87	579.09	579.01	578.87	578.55	578.36	577.86	578.36
1900	577.72	577.83	577.99	578.13	578.37	578.48	578.58	578.75	578.70	578.71	578.57	578.24	578.34
1901	578.01	577.98	578.40	578.55	578.98	579.03	579.12	579.17	578.98	578.62	578.29	578.01	578.60
1902	577.81	577.66	577.89	577.96	578.34	578.54	578.87	578.89	578.51	578.32	578.24	577.95	578.25
1903	577.73	577.89	578.10	578.38	578.47	578.65	578.83	578.76	578.81	578.62	578.26	577.91	578.37
1904	577.97	577.98	578.26	578.72	579.09	579.47	579.47	579.38	579.31	579.18	578.88	578.54	578.85
1905	578.39	578.27	578.45	578.83	579.09	579.48	579.62	579.59	579.49	579.05	578.78	578.63	578.97
1906	578.61	578.76	578.91	579.09	579.35	579.47	579.48	579.45	579.10	578.91	578.75	578.70	579.05
1907	578.63	578.69	578.74	579.00	579.16	579.52	579.52	579.44	579.42	579.17	578.76	578.65	579.06
1908	578.48	578.57	578.64	578.93	579.50	579.63	579.83	579.72	579.28	578.92	578.27	578.13	578.99
1909	577.88	578.02	578.10	578.36	578.89	579.08	579.05	579.07	578.80	578.32	578.18	578.18	578.49
1910	577.95	577.94	578.01	578.37	578.49	578.57	578.49	578.32	578.28	578.09	577.78	577.45	578.14
1911	577.20	577.40	577.23	577.49	577.76	578.04	577.88	577.84	577.77	577.64	577.36	577.44	577.59
1912	577.28	577.30	577.36	577.53	578.05	578.47	578.56	578.64	578.72	578.42	578.43	578.19	578.08
1913	578.02	577.85	578.14	578.84	579.15	579.28	579.28	579.27	578.99	578.78	578.45	578.30	578.70
1914	578.08	578.07	578.02	578.18	578.39	578.67	578.82	578.72	578.52	578.40	577.85	577.56	578.27
1915	577.48	577.70	577.63	577.59	577.73	577.89	577.99	578.21	578.01	577.81	577.48	577.43	577.75
1916	577.16	577.30	577.46	577.95	578.52	579.15	579.34	579.09	578.68	578.64	578.67	578.58	578.38
1917	578.46	578.38	578.51	578.87	579.20	579.65	579.99	579.93	579.73	579.41	579.22	578.79	579.18
1918	578.84	578.86	579.15	579.52	579.77	580.00	579.99	579.89	579.51	579.22	579.09	579.15	579.42
1919	578.79	578.73	578.83	579.16	579.48	579.62	579.39	579.14	578.79	578.70	578.44	578.10	578.93

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 7058 : Milwaukee, Wisconsin on Lake Michigan

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1920	578.02	578.06	578.21	578.59	578.84	578.95	579.10	579.13	578.95	578.61	578.34	578.12	578.58
1921	577.93	577.89	577.99	578.47	578.65	578.67	578.50	578.20	578.05	577.89	577.71	577.53	578.12
1922	577.31	577.27	577.52	578.06	578.54	578.64	578.75	578.66	578.45	578.03	577.61	577.16	578.00
1923	577.12	576.85	577.06	577.29	577.72	577.92	577.98	577.81	577.71	577.43	577.11	576.83	577.40
1924	576.57	576.80	576.78	577.02	577.32	577.48	577.56	577.70	577.58	577.33	576.81	576.50	577.12
1925	576.33	576.28	576.36	576.54	576.48	576.53	576.62	576.55	576.35	575.95	575.71	575.52	576.27
1926	575.40	575.53	575.64	575.90	576.28	576.48	576.62	576.77	576.66	576.38	576.35	576.29	576.19
1927	576.27	576.31	576.60	576.92	577.27	577.51	577.64	577.52	577.27	577.15	576.96	576.80	577.02
1928	576.69	576.88	576.98	577.62	578.03	578.27	578.51	578.64	578.47	578.52	578.66	578.71	578.00
1929	578.58	578.75	578.72	579.55	580.11	580.31	580.43	580.25	579.88	579.60	579.14	578.89	579.52
1930	578.65	578.64	578.76	578.89	579.06	579.13	579.32	579.17	578.69	578.34	577.88	577.49	578.67
1931	577.23	577.13	577.26	577.10	577.21	577.29	577.17	577.03	576.71	576.54	576.35	576.34	576.95
1932	576.35	576.21	576.24	576.49	576.69	576.77	576.67	576.57	576.28	576.14	575.98	575.71	576.34
1933	575.75	575.67	575.79	576.12	576.66	576.79	576.82	576.60	576.30	575.94	575.73	575.62	576.15
1934	575.56	575.56	575.54	575.76	575.99	576.11	576.21	576.09	576.05	575.73	575.71	575.77	575.84
1935	575.68	575.76	575.91	576.18	576.33	576.51	576.71	576.70	576.45	576.18	576.23	576.11	576.23
1936	576.08	575.97	576.12	576.32	576.66	576.85	576.80	576.67	576.71	576.49	576.17	575.91	576.40
1937	575.95	575.97	576.07	576.32	576.65	576.76	576.82	576.78	576.63	576.33	576.03	575.84	576.35
1938	575.89	576.24	576.40	576.89	577.25	577.52	577.71	577.68	577.83	577.59	577.23	576.95	577.10
1939	576.89	576.88	577.02	577.18	577.62	578.02	578.12	578.14	578.11	577.70	577.49	577.15	577.53
1940	576.89	576.96	576.80	576.85	577.12	577.35	577.47	577.65	577.54	577.31	576.91	576.85	577.14
1941	576.97	576.87	576.84	577.00	577.20	577.32	577.20	577.01	576.87	576.97	577.16	577.11	577.04
1942	576.98	577.13	577.29	577.64	577.99	578.37	578.34	578.27	578.06	577.83	577.67	577.43	577.75
1943	577.54	577.49	577.76	578.10	578.58	579.20	579.56	579.67	579.45	579.32	579.10	578.58	578.70
1944	578.46	578.41	578.48	578.67	578.86	578.99	579.00	578.86	578.79	578.66	578.50	578.00	578.64
1945	577.80	577.73	577.90	578.16	578.52	579.07	579.20	579.07	578.98	578.69	578.69	578.54	578.53
1946	578.39	578.53	578.86	578.97	579.08	579.17	579.29	579.02	578.69	578.26	577.95	577.61	578.65
1947	577.58	577.43	577.46	577.96	578.59	579.14	579.27	579.35	579.22	579.18	578.83	578.53	578.54
1948	578.18	577.99	578.31	578.76	579.05	579.11	579.08	578.84	578.61	578.03	577.78	577.46	578.43
1949	577.29	577.30	577.33	577.52	577.71	577.83	577.98	577.82	577.27	577.06	576.69	576.37	577.35

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 7058 : Milwaukee, Wisconsin on Lake Michigan

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1950	576.43	576.68	576.72	577.30	577.63	577.75	578.03	578.19	578.20	577.97	577.72	577.74	577.53
1951	577.78	577.82	578.09	578.63	579.19	579.41	579.65	579.86	579.68	579.83	579.80	579.80	579.13
1952	579.83	579.96	580.02	580.38	580.60	580.75	580.79	580.95	580.64	580.03	579.79	579.72	580.29
1953	579.56	579.32	579.50	579.82	580.10	580.27	580.36	580.37	580.00	579.79	579.35	579.01	579.79
1954	578.89	578.74	578.86	579.14	579.45	579.80	579.89	579.87	579.79	579.96	579.83	579.70	579.49
1955	579.44	579.35	579.22	579.51	579.62	579.75	579.59	579.31	578.80	578.45	578.13	577.92	579.09
1956	577.85	577.72	577.90	577.97	578.41	578.59	578.78	578.75	578.56	578.27	577.91	577.62	578.19
1957	577.36	577.37	577.36	577.49	577.79	577.89	578.11	578.00	577.80	577.59	577.27	577.21	577.60
1958	577.25	577.16	577.17	577.22	577.06	577.09	577.27	577.04	576.87	576.63	576.26	576.02	576.92
1959	575.94	575.95	576.20	576.59	577.07	577.17	577.12	577.14	577.03	577.10	577.10	577.20	576.80
1960	577.19	577.39	577.34	577.61	578.48	578.88	579.11	579.30	579.21	578.81	578.50	578.18	578.33
1961	577.99	577.90	578.03	578.06	578.22	578.24	578.32	578.29	578.17	577.97	577.78	577.54	578.04
1962	577.31	577.48	577.56	577.70	578.00	578.10	577.98	577.86	577.53	577.42	577.01	576.62	577.55
1963	576.36	576.30	576.40	576.63	576.90	577.01	576.95	576.92	576.87	576.47	576.04	575.80	576.55
1964	575.51	575.42	575.52	575.66	575.95	576.02	576.15	576.07	575.93	575.75	575.62	575.54	575.76
1965	575.48	575.54	575.84	576.16	576.66	576.88	576.90	576.95	577.05	577.10	576.96	577.13	576.55
1966	577.11	577.11	577.35	577.59	577.67	577.74	577.71	577.58	577.47	576.90	576.92	577.05	577.35
1967	576.96	577.05	577.04	577.60	578.01	578.33	578.44	578.39	578.22	577.94	577.88		577.81
1968		577.62	577.77	578.00	578.28	578.44	578.58	578.66	578.80	578.58	578.52	578.44	578.34
1969	578.30		578.44	578.72	579.20	579.56	579.94	579.85	579.68	579.36	579.10	578.95	579.19
1970	Station Relocated												
1971													
1972													
1973													
1974													
1975													
1976													
1977													
1978													
1979													



U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

SUMMARY OF AVERAGE AND EXTREME LEVELS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 7058 : Milwaukee, Wisconsin on Lake Michigan

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
MONTHLY AVERAGE FOR PERIOD 1860 THRU 1969													
	578.03	578.04	578.18	578.44	578.73	578.95	579.03	578.98	578.79	578.56	578.31	578.11	578.51
MONTHLY AVERAGE FOR PERIOD 1900 THRU 1969													
	577.44	577.44	577.57	577.86	578.17	578.38	578.46	578.41	578.23	578.00	577.77	577.58	577.94
MONTHLY AVERAGE FOR PERIOD 1960 THRU 1969													
	576.91	576.87	577.13	577.37	577.74	577.92	578.01	577.99	577.89	577.63	577.43	577.25	577.51
HIGHEST MONTHLY AVERAGE FOR PERIOD 1860 THRU 1969													
LEVEL	580.65	580.74	580.95	581.22	581.48	581.55	581.54	581.47	581.42	581.01	580.94	580.58	580.94
YEAR	1886	1860	1886	1886	1886	1886	1876	1876	1876	1885	1876	1861	1886
LOWEST MONTHLY AVERAGE FOR PERIOD 1860 THRU 1969													
LEVEL	575.40	575.42	575.52	575.66	575.95	576.02	576.15	576.07	575.93	575.73	575.62	575.52	575.76
YEAR	1926	1964	1964	1964	1964	1964	1964	1964	1964	1934	1964	1925	1964
HIGHEST MONTHLY AVERAGE FOR PERIOD 1860 THRU 1969 ....581.55 JUN 1886													
LOWEST MONTHLY AVERAGE FOR PERIOD 1860 THRU 1969 .....575.40 JAN 1926													

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 7068 : Kewaunee, Wisconsin on Lake Michigan

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1950													
1951													
1952													
1953													
1954													
1955													
1956													
1957													
1958													
1959													
1960													
1961													
1962													
1963													
1964													
1965													
1966													
1967													
1968													
1969													
1970													
1971													
1972													
1973													
1974	579.81	579.88	579.97		580.65	580.95	581.00	580.82	580.42	580.09	579.92	579.73	580.29
1975	579.57	579.51	579.63	579.74	580.20	580.46	580.43	580.36	580.27	579.84	579.62	579.44	579.92
1976	579.21	579.18	579.68	580.12	580.43	580.51	580.52	580.26	579.81	579.37	578.75	578.34	579.68
1977	578.08	578.05	578.30	578.68	578.73	578.65	578.61	578.53	578.60	578.50	578.48	578.52	578.48
1978	578.35	578.31	578.25	578.57	578.86	579.04	579.07	579.02	579.22	579.02	578.83	578.51	578.75
1979	578.41	578.45	578.64	579.22	579.79	579.97	580.06	580.08	579.92	579.73	579.45	579.38	579.42

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 7068 : Kewaunee, Wisconsin on Lake Michigan

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1980	579.30	579.16	579.05	579.42	579.63	579.81	579.86	579.87	579.75	579.44	579.02	578.86	579.43
1981	578.72	578.68	578.77	579.06	579.31	579.46	579.56	579.56	579.42	579.27	578.97	578.70	579.12
1982	578.45	578.34	578.34	578.56	578.97	579.01	579.10	579.05	578.96	578.83	578.76	578.97	578.78
1983	579.02	579.06	579.20	579.42	579.85	580.20	580.15	580.06	579.78	579.70	579.56	579.25	579.60
1984	579.09	579.19	579.24	579.59	579.84	580.17	580.26	580.26	580.13	580.00	579.84	579.66	579.77
1985	579.69	579.66	580.14	580.68	580.98	580.97	580.85	580.78	580.78	580.60	580.85	580.66	580.55
1986													
1987													
1988													
1989													
1990													
1991													
1992													
1993													
1994													
1995													
1996													
1997													
1998													
1999													
2000													
2001													
2002													
2003													
2004													
2005													
2006													
2007													
2008													
2009													

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

SUMMARY OF AVERAGE AND EXTREME LEVELS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 7068 : Kewaunee, Wisconsin on Lake Michigan

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
MONTHLY AVERAGE FOR PERIOD 1974 THRU 1985													
	578.98	578.96	579.10	579.37	579.77	579.93	579.96	579.89	579.76	579.53	579.34	579.17	579.48
MONTHLY AVERAGE FOR PERIOD 1976 THRU 1985													
	578.83	578.81	578.96	579.33	579.64	579.78	579.80	579.75	579.64	579.45	579.25	579.08	579.36
HIGHEST MONTHLY AVERAGE FOR PERIOD 1974 THRU 1985													
LEVEL	579.81	579.88	580.14	580.68	580.98	580.97	581.00	580.82	580.78	580.60	580.85	580.66	580.55
YEAR	1974	1974	1985	1985	1985	1985	1974	1974	1985	1985	1985	1985	1985
LOWEST MONTHLY AVERAGE FOR PERIOD 1974 THRU 1985													
LEVEL	578.08	578.05	578.25	578.56	578.73	578.65	578.61	578.53	578.60	578.50	578.48	578.34	578.48
YEAR	1977	1977	1978	1982	1977	1977	1977	1977	1977	1977	1977	1976	1977
HIGHEST MONTHLY AVERAGE FOR PERIOD 1974 THRU 1985							581.00	JUL		1974			
LOWEST MONTHLY AVERAGE FOR PERIOD 1974 THRU 1985							578.05	FEB		1977			

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 7072 : Sturgeon Bay Canal, Wisconsin on Lake Michigan

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1890													
1891													
1892													
1893													
1894													
1895													
1896													
1897													
1898													
1899													
1900													
1901													
1902													
1903													
1904													
1905	578.40	578.44	578.59	578.80	579.27	579.70	579.88	579.82	579.70	579.22	578.91	578.68	579.12
1906	578.71	578.66	578.84	579.22	579.52	579.76	579.75	579.66	579.24	578.99	578.95	578.83	579.18
1907	578.65	578.73	578.92	579.17	579.38	579.81	579.86	579.80	579.71	579.40	579.17	579.06	579.30
1908	579.06	578.99	579.17	579.38	579.98	580.20	579.92	579.85	579.45	579.00	578.50	578.42	579.33
1909	578.34	578.21	578.16	578.63	579.17	579.38	579.32	579.25	578.96	578.59	578.47	578.29	578.73
1910	578.21	578.16	578.27	578.51	578.64	578.80	578.68	578.53	578.57	578.27	577.90	577.72	578.36
1911	577.69	577.58	577.49	577.70	577.94	578.25	578.07	578.01	577.79	577.79	577.51	577.58	577.78
1912	577.13	577.36	577.32	577.67	578.19	578.68	578.75	578.84	578.85	578.61	578.64	578.45	578.21
1913	578.38	578.23	578.33	578.99	579.34	579.40	579.54	579.61	579.28	578.88	578.58	578.44	578.92
1914	578.27	578.12	578.23	578.26	578.54	579.08	578.89	578.75	578.61	578.49	577.99	577.64	578.41
1915	577.59	577.77	577.79	577.79	577.84	577.99	578.09	578.27	578.16	578.02	577.70	577.66	577.89
1916	577.52	577.58	577.73	578.10	578.73	579.26	579.46	579.35	578.97	578.78	578.78	578.64	578.58
1917	578.50	578.42	578.40	578.92	579.26	579.77	580.19	580.14	579.83	579.56	579.42	579.03	579.29
1918	578.89	578.75	579.10	579.57	579.78	580.11	580.14	580.02	579.66	579.30	579.27	579.16	579.48
1919	579.04	578.83	578.86										578.91

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 7072 : Sturgeon Bay Canal, Wisconsin on Lake Michigan

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1920													
1921													
1922					578.64								578.64
1923													
1924													
1925					576.61								576.61
1926													
1927							577.78	577.65	577.43	577.30			577.54
1928	577.08	577.18	577.27	577.76	578.06	578.39	578.64	578.74	578.65	578.69	578.75	578.76	578.16
1929	578.67	578.65	578.95	579.67	580.20	580.45	580.56	580.36	580.00	579.70	579.22	578.96	579.62
1930	578.81	578.86	578.89	578.95	579.22	579.28	579.50	579.29	578.81	578.43	578.04	577.60	578.81
1931	577.34	577.21	577.24	577.16	577.28	577.38	577.41	577.06	576.91	576.67	576.49	576.43	577.05
1932	576.46	576.40	576.32	576.53	576.73	576.82	576.76	576.67	576.42	576.21	576.11	575.81	576.44
1933	575.82	575.76	575.72	576.18	576.71	576.94	576.92	576.67	576.37	576.00	575.85	575.68	576.22
1934	575.68	575.57	575.61	575.85	576.09	576.18	576.26	576.13	576.12	575.84	575.81	575.94	575.92
1935	575.79	575.80	576.01	576.21	576.37	576.65	576.85	576.83	576.57	576.27	576.31	576.18	576.32
1936	576.18	576.02	576.23	576.66	576.73	576.91	576.84	576.66	576.76	576.54	576.27	576.05	576.49
1937	576.08	576.15	576.07	576.35	576.68	576.79	576.88	576.80	576.61	576.40	576.16	576.00	576.41
1938	575.97	576.22	576.44	576.96	576.97	577.58	577.82	577.80	577.85	577.68	577.37	577.03	577.14
1939	576.81	576.93	576.95	577.18	577.62	578.10	578.14	578.17	578.13	577.73	577.56	577.15	577.54
1940	576.93	576.94	576.74	576.83	577.13	577.39	577.52	577.67	577.57	577.34	577.04	576.89	577.17
1941	576.99	576.90	576.93	577.09	577.31	577.33	577.20	577.01	577.01	577.08	577.33	577.21	577.12
1942	577.14	577.14	577.24	577.68						577.92	577.74		577.48
1943				578.20	578.64	579.30	579.69	579.77	579.58	579.37	579.13	578.75	579.16
1944					578.86	578.99	579.06	578.97	578.77				578.93
1945	578.03	577.79	577.93	578.21	578.54	579.12	578.92	579.12	579.02	578.79	578.76	578.63	578.57
1946	578.53	578.63	578.91	579.00	579.05	579.18	579.22	578.95	578.64	578.27	577.97	577.60	578.66
1947	577.52	577.51	577.46	578.05	578.60	579.12	579.31	579.38	579.23	579.11	578.79	578.50	578.55
1948	578.21	578.11	578.31	578.76	579.05	579.10	579.10	578.84	578.56	577.98	577.77	577.43	578.44
1949	577.31	577.27	577.31	577.58	577.78	577.87	578.00	577.83	577.31	577.13	576.74	576.48	577.38

Station 7072 : Sturgeon Bay Canal, Wisconsin on Lake Michigan

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1950	576.51	576.69	576.75	577.35	577.67	577.84	578.09	578.21	578.19	578.01	577.75	577.84	577.58
1951	577.83	577.88	578.13	578.68	579.23	579.45	579.71	579.83	579.67	579.81	579.78	579.79	579.15
1952	579.85	579.92	580.00	580.31	580.59	580.76	580.84	580.95	580.70	580.02	579.89	579.73	580.30
1953	579.52	579.38	579.47	579.79	580.08	580.28	580.38	580.38	580.03	579.81	579.36	579.03	579.79
1954	578.85	578.69	578.77	579.05	579.46	579.77	579.91	579.84	579.74	579.91	579.82	579.64	579.45
1955	579.45	579.35	579.22	579.50	579.70	579.77	579.64	579.36	578.86	578.48	578.17	577.95	579.12
1956	577.79	577.70	577.88	578.02	578.46	578.66	578.81	578.77	578.56	578.25	577.91	577.61	578.20
1957	577.37	577.33	577.31	577.47	577.75	577.89	578.15	578.00	577.78	577.51	577.30	577.20	577.59
1958	577.23	577.13	577.18	577.28	577.21	577.15	577.31	577.06	576.89	576.55	576.18	575.77	576.91
1959	575.62	575.60	575.85	576.29	576.99	577.09	577.11	577.16	577.05	577.06	577.02	577.13	576.66
1960	577.12	577.25	577.21	577.57	578.43	578.85	579.10	579.27	579.15	578.76	578.52	578.09	578.28
1961	577.89	577.79	577.85	577.95	578.12	578.19	578.31	578.22	578.12	577.94	577.69	577.42	577.96
1962	577.16	577.29	577.35	577.55	577.95	578.05	577.98	577.82	577.53	577.32	576.93	576.55	577.46
1963	576.33	576.33	576.35	576.56	576.86	576.98	576.91	576.91	576.78	576.46	576.10	575.72	576.52
1964	575.48	575.37	575.43	575.61	575.80	576.02	576.13	576.07	575.95	575.71	575.58	575.47	575.72
1965	575.37	575.44	575.73	576.04	576.58	576.80	576.84	576.87	576.97	577.01	576.90	577.06	576.47
1966	577.02	577.02	577.25	577.49	577.63	577.76	577.61	577.54	577.29	576.85	576.79	576.98	577.27
1967	576.93	576.97	576.99	577.52	577.91	578.22	578.37	578.29	578.08	577.84	577.75	577.73	577.72
1968	577.71	577.66	577.66	577.93	578.17	578.53	578.52	578.60	578.78	578.57	578.44	578.37	578.24
1969	578.32	578.34	578.25	578.61	579.09	579.44	579.88	579.79	579.55	579.21	579.06	578.87	579.03
1970	578.66	578.51	578.51	578.68	579.03	579.30	579.41	579.32	579.27	579.21	579.06	578.99	579.00
1971	578.74	578.81	578.99	579.24	579.64	579.90	579.89	579.89	579.78	579.57	579.26	579.21	579.41
1972	578.93	578.94	579.00	579.22	579.75	579.84	580.01	580.20	580.28	580.05	580.08	579.92	579.68
1973	579.91	579.97	580.17	580.47	580.79	581.08	581.04	581.03	580.47	580.47	580.12	580.12	580.47
1974	579.85	579.97	580.08	580.39	580.69	581.00	581.06	580.88	580.46	580.12	579.95	579.78	580.35
1975	579.60	579.58	579.70	579.82	580.30	580.55	580.52	580.43	580.26	579.87	579.64	579.47	579.98
1976	579.26	579.22	579.73	580.15	580.45	580.57	580.55	580.30	579.84	579.35	578.72	578.32	579.70
1977	578.07	578.04	578.28	578.68	578.71	578.61	578.60	578.53	578.57	578.46	578.44	578.49	578.46
1978	578.31	578.27	578.20	578.53	578.80	578.95	579.01	579.02	579.25	578.98	578.80	578.48	578.72
1979	578.38	578.42	578.63	579.18	579.76	579.92	580.03	580.05	579.90	579.71	579.43	579.34	579.40

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 7072 : Sturgeon Bay Canal, Wisconsin on Lake Michigan

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1980	579.27	579.15	579.01	579.38	579.59	579.78	579.82	579.86	579.73	579.43	579.08	578.82	579.41
1981	578.71	578.66	578.74	579.03	579.27	579.42	579.54	579.55	579.41	579.23	578.93	578.67	579.10
1982	578.41	578.30	578.31	578.61	578.93	578.98	579.07	579.05	578.94	578.80	578.72	578.94	578.76
1983	578.99	579.03	579.17	579.40	579.82	580.19	580.14	580.05	579.77	579.66	579.41	579.17	579.57
1984	579.08	579.15	579.19	579.55	579.78	580.15	580.27	580.25	580.13	579.97	579.81	579.61	579.74
1985	579.65	579.63	580.11	580.65	580.95	580.93	580.84	580.76	580.74	580.57	580.79	580.61	580.52
1986													
1987													
1988													
1989													
1990													
1991													
1992													
1993													
1994													
1995													
1996													
1997													
1998													
1999													
2000													
2001													
2002													
2003													
2004													
2005													
2006													
2007													
2008													
2009													



Station 7072 : Sturgeon Bay Canal, Wisconsin on Lake Michigan

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
MONTHLY AVERAGE FOR PERIOD 1905 THRU 1985													
	577.87	577.85	577.95	578.24	578.55	578.81	578.87	578.81	578.61	578.39	578.20	578.04	578.35
MONTHLY AVERAGE FOR PERIOD 1976 THRU 1985													
	578.81	578.79	578.94	579.32	579.61	579.75	579.79	579.74	579.63	579.42	579.21	579.04	579.34
HIGHEST MONTHLY AVERAGE FOR PERIOD 1905 THRU 1985													
LEVEL	579.91	579.97	580.17	580.65	580.95	581.08	581.06	581.03	580.74	580.57	580.79	580.61	580.52
YEAR	1973	1974	1973	1985	1985	1973	1974	1973	1985	1985	1985	1985	1985
LOWEST MONTHLY AVERAGE FOR PERIOD 1905 THRU 1985													
LEVEL	575.37	575.37	575.43	575.61	575.80	576.02	576.13	576.07	575.95	575.71	575.58	575.47	575.72
YEAR	1965	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964
HIGHEST MONTHLY AVERAGE FOR PERIOD 1905 THRU 1985 .....581.08 JUN 1973													
LOWEST MONTHLY AVERAGE FOR PERIOD 1905 THRU 1985 .....575.37 FEB 1964													

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 7078 : Green Bay, Wisconsin on Lake Michigan

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1950													
1951													
1952													
1953							580.36	580.36	579.97	579.85	579.28	578.90	579.79
1954	578.63		578.53	578.98			579.94	579.83	579.75	579.90	579.77	579.58	579.43
1955	579.39	579.29	579.16	579.50	579.66	579.78	579.65	579.35	578.84	578.46	577.99	577.88	579.08
1956	577.75	577.68	577.85	578.08	578.48	578.65	578.87	578.77	578.55	578.23	577.87	577.55	578.19
1957	577.33	577.35	577.30	577.47	577.87	577.89	578.17	578.02	577.79	577.50	577.09	577.13	577.58
1958	577.20	577.04	577.13	577.28	577.22	577.14	577.27	577.02	576.79	576.55	576.04	575.75	576.87
1959	575.75	575.86	576.06	576.54	577.03	577.11	577.08	577.16	577.01	577.02	576.93	577.15	576.72
1960	577.09	577.27	577.24	577.62	578.54	578.85	579.02	579.22	579.12	578.62	578.30	577.93	578.24
1961	577.78	577.70	577.81	577.97	578.15	578.23	578.27	578.14	578.06	577.88	577.57	577.36	577.91
1962	577.17	577.27	577.35	577.54	577.92	578.03	577.95	577.73	577.42	577.26	576.86	576.47	577.41
1963	576.26	576.35	576.44	576.73	576.79	576.93	576.84	576.84	576.71	576.32	575.82	575.59	576.47
1964	575.33	575.24	575.33	575.46	575.86	575.92	576.10	575.95	575.78	575.52	575.43	575.37	575.61
1965	575.39	575.43	575.77	576.21	576.59	576.81	576.83	576.87	576.93	576.93	576.81	577.12	576.47
1966	577.02	577.02	577.33	577.53	577.58	577.68	577.63	577.52	577.25	576.65	576.83	576.88	577.24
1967	576.89	576.94	576.94	577.52	577.92	578.27	578.37	578.32	578.08	577.76	577.62	577.64	577.69
1968	577.64	577.54	577.59	577.74	578.18	578.42	578.45	578.60	578.69	578.41	578.37	578.26	578.16
1969	578.19	578.20	578.14	578.62	579.10	579.44	579.92	579.73	579.51	579.11	578.93	578.80	578.97
1970	578.64	578.54	578.53	578.78	579.17	579.31	579.35	579.21	579.19	579.05	578.95	578.86	578.96
1971	578.62	578.85	579.03	579.28	579.60	579.79	579.88	579.92	579.76	579.44	579.03	578.93	579.34
1972	578.72	578.88	578.94	579.18	579.78	579.91	579.97	580.29	580.23	580.06	580.13	579.78	579.66
1973	579.78	579.84	580.10	580.28	580.67	581.02	580.99	580.96	580.72	580.54			580.49
1974			580.20	580.36	580.66	581.12	581.08	580.89	580.45	580.10	579.91	579.75	580.45
1975	579.49	579.54	579.74	579.80	580.29	580.53	580.45	580.40	580.21	579.78	579.63	579.28	579.93
1976	579.08	579.05	579.67	580.17	580.45	580.56	580.55	580.29	579.82	579.32	578.56	578.20	579.64
1977	577.79	577.90	578.18	578.64	578.86	578.59	578.54	578.42	578.52	578.37	578.55	578.52	578.41
1978	578.29	578.31	578.19	578.57	578.78	578.92	578.96	578.94	579.17	578.89	578.70	578.35	578.67
1979	578.26	578.31	578.55	579.12	579.72	579.87	580.03	580.00	580.00	579.68	579.27	579.22	579.34

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 7078 : Green Bay, Wisconsin on Lake Michigan

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1980	579.16	579.08	578.97	579.40	579.56	579.77	579.81	579.80	579.61	579.16	578.98	578.76	579.34
1981	Station Relocated												
1982													
1983													
1984													
1985													
1986													
1987													
1988													
1989													
1990													
1991													
1992													
1993													
1994													
1995													
1996													
1997													
1998													
1999													
2000													
2001													
2002													
2003													
2004													
2005													
2006													
2007													
2008													
2009													

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

SUMMARY OF AVERAGE AND EXTREME LEVELS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 7078 : Green Bay, Wisconsin on Lake Michigan

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
MONTHLY AVERAGE FOR PERIOD 1953 THRU 1980													
	577.79	577.78	578.00	578.31	578.63	578.79	578.94	578.88	578.71	578.44	578.12	577.96	578.36
MONTHLY AVERAGE FOR PERIOD 1971 THRU 1980													
	578.80	578.86	579.16	579.48	579.84	580.01	580.03	579.99	579.85	579.53	579.20	578.98	579.48
HIGHEST MONTHLY AVERAGE FOR PERIOD 1953 THRU 1980													
LEVEL	579.78	579.84	580.20	580.36	580.67	581.12	581.08	580.96	580.72	580.54	580.13	579.78	580.49
YEAR	1973	1973	1974	1974	1973	1974	1974	1973	1973	1973	1972	1972	1973
LOWEST MONTHLY AVERAGE FOR PERIOD 1953 THRU 1980													
LEVEL	575.33	575.24	575.33	575.46	575.86	575.92	576.10	575.95	575.78	575.52	575.43	575.37	575.61
YEAR	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964
HIGHEST MONTHLY AVERAGE FOR PERIOD 1953 THRU 1980							.....581.12	JUN		1974			
LOWEST MONTHLY AVERAGE FOR PERIOD 1953 THRU 1980							.....575.24	FEB		1964			

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 7079 : Green Bay, Wisconsin on Lake Michigan

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1950													
1951													
1952													
1953													
1954													
1955													
1956													
1957													
1958													
1959													
1960													
1961													
1962													
1963													
1964													
1965													
1966													
1967													
1968													
1969													
1970													
1971													
1972													
1973													
1974													
1975													
1976													
1977													
1978													
1979													
									579.84	579.67	579.31	579.25	579.52

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 7079 : Green Bay, Wisconsin on Lake Michigan

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1980	579.18	579.10	579.00	579.34	579.76	579.80	579.80	579.81	579.68	579.33	579.01	578.76	579.38
1981	578.63	578.63	578.68	578.80	579.34	579.37	579.53	579.55	579.38	579.16	578.89	578.57	579.04
1982	578.37	578.27	578.26	578.58	578.96	579.00	579.03	578.99	578.93	578.70	578.63	578.83	578.71
1983	578.94	578.99	579.25	579.45	579.90	580.17	580.08	580.02	579.66	579.63	579.44	579.12	579.55
1984	579.04	579.11	579.16	579.62	579.77	580.11	580.18	580.20	580.06	579.86	579.71	579.49	579.69
1985	579.58	579.57	580.12	580.64	580.94	580.90	580.80	580.71	580.69	580.49	580.82	580.56	580.48
1986													
1987													
1988													
1989													
1990													
1991													
1992													
1993													
1994													
1995													
1996													
1997													
1998													
1999													
2000													
2001													
2002													
2003													
2004													
2005													
2006													
2007													
2008													
2009													

Station 7079 : Green Bay, Wisconsin on Lake Michigan

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---------------

MONTHLY AVERAGE FOR PERIOD 1979 THRU 1985

578.96	578.94	579.08	579.40	579.78	579.89	579.90	579.88	579.75	579.55	579.40	579.23	579.48
--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------

HIGHEST MONTHLY AVERAGE FOR PERIOD 1979 THRU 1985

LEVEL	579.58	579.57	580.12	580.64	580.94	580.90	580.80	580.71	580.69	580.49	580.82	580.56	580.48
YEAR	1985	1985	1985	1985	1985	1985	1985	1985	1985	1985	1985	1985	1985

LOWEST MONTHLY AVERAGE FOR PERIOD 1979 THRU 1985

LEVEL	578.37	578.27	578.26	578.58	578.96	579.00	579.03	578.99	578.93	578.70	578.63	578.57	578.71
YEAR	1982	1982	1982	1982	1982	1982	1982	1982	1982	1982	1982	1981	1982

HIGHEST MONTHLY AVERAGE FOR PERIOD 1979 THRU 1985 ....580.94    MAY    1985

LOWEST MONTHLY AVERAGE FOR PERIOD 1979 THRU 1985 .....578.26    MAR    1982

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 7096 : Port Inland, Michigan on Lake Michigan

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1950													
1951													
1952													
1953													
1954													
1955													
1956													
1957													
1958													
1959													
1960													
1961													
1962													
1963													
1964												575.52	575.52
1965	575.39	575.48	575.64	576.01	576.63	576.81	576.88	576.86	577.03	577.04	576.99	577.08	576.49
1966	577.00	576.99	577.24	577.48	577.61	577.76	577.67	577.51	577.25	576.98	576.73	576.96	577.26
1967	576.94	576.94	576.98	577.50	577.87	578.22	578.37	578.24	578.03	577.85	577.75	577.78	577.71
1968	577.68	577.56	577.58	577.88	578.09	578.30	578.51	578.61	578.76	578.64	578.36	578.32	578.19
1969	578.28	578.22	578.18	578.55	579.07	579.45	579.81	579.85	579.53	579.26	579.10	578.85	579.01
1970	578.69	578.54	578.49	578.69	579.02	579.29	579.38	579.29	579.27	579.25	579.05	578.97	578.99
1971	578.74	578.80	578.91	579.19	579.57	579.85	579.92	579.86	579.76	579.59	579.29	579.22	579.39
1972	579.04	578.87	578.87	579.08	579.69	579.78	579.99	580.20	580.28	580.08	580.00	579.85	579.64
1973	579.91	579.89	580.01	580.36	580.70	581.01	580.99	580.98	580.68	580.47	580.08	580.02	580.42
1974	579.82	579.85	579.98	580.29	580.63	580.95	581.05	580.91	580.49	580.13	579.95	579.76	580.32
1975	579.65	579.51	579.60	579.70	580.23	580.53	580.51	580.37	580.25	579.91	579.61	579.41	579.94
1976	579.17	579.14	579.62	580.04	580.37	580.54	580.47	580.22	579.76	579.30	578.71	578.31	579.64
1977	578.06	578.00	578.17	578.54	578.62	578.52	578.54	578.52	578.52	578.40	578.43	578.42	578.40
1978	578.18	578.15	578.11	578.40	578.71	578.94	579.00	579.00	579.12	578.98	578.78	578.45	578.65
1979	578.29	578.29	578.49	579.05	579.62	579.86	579.96	580.01	579.89	579.58	579.42	579.32	579.32



U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 7096 : Port Inland, Michigan on Lake Michigan

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1980	579.23	579.07	578.88	579.23	579.49	579.68	579.75	579.84	579.73	579.37	579.02	578.75	579.34
1981	578.63	578.60	578.65	578.93	579.18	579.40	579.41	579.39	579.24	579.13	578.86	578.64	579.00
1982	578.35	578.24	578.24	578.51	578.81	578.89	579.03	578.98	578.84	578.80	578.74	578.92	578.70
1983	578.90	578.91	578.94	579.25	579.65	580.08	580.10	579.96	579.77	579.59	579.27	579.10	579.46
1984	579.04	578.99	579.00	579.37	579.70	580.07	580.18	580.14	580.09	579.93	579.77	579.56	579.65
1985	579.57	579.53	579.94	580.51	580.83	580.84	580.74	580.68	580.71	580.57	580.65	580.59	580.43
1986													
1987													
1988													
1989													
1990													
1991													
1992													
1993													
1994													
1995													
1996													
1997													
1998													
1999													
2000													
2001													
2002													
2003													
2004													
2005													
2006													
2007													
2008													
2009													

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

SUMMARY OF AVERAGE AND EXTREME LEVELS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 7096 : Port Inland, Michigan on Lake Michigan

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
MONTHLY AVERAGE FOR PERIOD 1964 THRU 1985													
	578.50	578.46	578.55	578.88	579.24	579.47	579.54	579.50	579.38	579.18	578.98	578.72	579.03
MONTHLY AVERAGE FOR PERIOD 1976 THRU 1985													
	578.74	578.69	578.80	579.18	579.50	579.68	579.72	579.67	579.57	579.36	579.16	579.01	579.26
HIGHEST MONTHLY AVERAGE FOR PERIOD 1964 THRU 1985													
LEVEL	579.91	579.89	580.01	580.51	580.83	581.01	581.05	580.98	580.71	580.57	580.65	580.59	580.43
YEAR	1973	1973	1973	1985	1985	1973	1974	1973	1985	1985	1985	1985	1985
LOWEST MONTHLY AVERAGE FOR PERIOD 1964 THRU 1985													
LEVEL	575.39	575.48	575.64	576.01	576.63	576.81	576.88	576.86	577.03	576.98	576.73	575.52	575.52
YEAR	1965	1965	1965	1965	1965	1965	1965	1965	1965	1966	1966	1964	1964
HIGHEST MONTHLY AVERAGE FOR PERIOD 1964 THRU 1985 .....581.05 JUL 1974													
LOWEST MONTHLY AVERAGE FOR PERIOD 1964 THRU 1985 .....575.39 JAN 1965													

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 9004 : Point Iroquois, Brimley, Michigan on Lake Superior (Whitefish Bay)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1920													
1921													
1922													
1923													
1924													
1925													
1926													
1927													
1928													
1929													
1930													
1931	600.30	600.08		599.81	599.90	600.12	600.46	600.51	600.46	600.54	600.74	600.68	600.71
1932	600.46	600.39	600.24	600.17	600.43	600.64	600.94	601.12	601.13	600.81	600.64	600.59	600.31
1933	600.22	600.17	600.02	600.10	600.56	600.84	601.01	601.07	601.04	601.08	601.01	600.79	600.66
1934	600.58	600.43	600.34	600.39	600.70	600.95	601.05	600.99	601.05	601.22	601.09	601.03	600.82
1935	600.78	600.60	600.45	600.50	600.74	600.89	601.19	601.32	601.27	601.07	600.93	600.65	600.87
1936	600.55	600.40	600.31	600.39	600.88	601.15	601.15	601.02	601.02	600.92	600.70	600.29	600.73
1937	600.23	600.20	600.15	600.05	600.57	600.82	600.95	601.12	601.21	601.17	601.16	600.89	600.71
1938	600.64	600.46	600.32	600.61	601.18	601.53	601.57	601.55	601.44	601.11	601.08	600.89	601.03
1939	600.74	600.61	600.52	600.59	600.89	601.31	601.65	601.64	601.52	601.25	600.88	600.66	601.02
1940	600.41	600.02	599.83	599.75	600.13	600.68	600.91	600.95	600.95	600.76	600.73	600.55	600.47
1941	600.28	600.12	599.84	599.86	600.27	600.59	600.82	600.92	601.16	601.54	601.43	601.08	600.66
1942	600.80	600.56	600.43	600.42	600.84	601.11	601.17	601.19	601.35	601.27	601.36	601.26	600.98
1943	600.95	600.83	600.65	600.66	600.99	601.55	601.80	601.82	601.68	601.40	601.20	600.88	601.20
1944	600.41	600.18	599.94	599.93	600.36	600.94	601.36	601.65	601.70				600.72
1945													
1946													
1947													
1948													
1949													

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 9004 : Point Iroquois, Brimley, Michigan on Lake Superior (Whitefish Bay)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1950											601.81	601.53	601.67
1951	601.13	600.88	600.95	601.19	601.52	601.64	601.83	601.80	601.89	601.95	601.83	601.55	601.51
1952	601.31	601.06	600.83	600.95	601.15	601.24	601.69	602.02	601.90	601.53	600.96	600.75	601.28
1953	600.46	600.32	600.15	600.31	600.47	601.03	601.42	601.51	601.41	601.07	600.73	600.57	600.79
1954	600.25	600.04	599.96	599.88	600.64	601.02	601.23	601.16	600.91	600.80	600.55	600.31	600.56
1955	600.05	599.74	599.78	599.84	600.18	600.39	600.46	600.76	600.67	600.82	600.82	600.57	600.34
1956	600.24	600.08	599.70	599.73	599.91	600.21	600.63	600.77	600.78	600.49	600.47	600.21	600.27
1957	600.01	599.66	599.57	599.62	600.02	600.31	600.73	600.81	600.79	600.65	600.61	600.38	600.26
1958	600.09	599.94	599.73	599.62	599.75	599.95	600.30	600.55	600.72	600.67	600.66	600.50	600.21
1959	600.26	599.95	599.84	599.82	600.10	600.49	600.66	600.84	601.20	601.30	601.12	600.62	600.52
1960	600.44	600.20	599.91	599.92	600.68	600.96	601.00	600.95	600.92	600.69	600.57	600.36	600.55
1961	600.00	599.75	599.70	599.79	600.15	600.34	600.42	600.44	600.53	600.55	600.51	600.36	600.21
1962	600.10	599.84	599.74	599.71	599.96	600.30	600.45	600.55	600.79	600.69	600.33	600.21	600.22
1963	599.95	599.71	599.56	599.80	599.97	600.30	600.53	600.64	600.60	600.51	600.43	600.23	600.19
1964	599.91	599.75	599.53	599.43	600.13	600.49	600.75	600.85	600.97	600.87	600.69	600.42	600.32
1965	600.23	599.99	599.77	599.80	600.14	600.42	600.55	600.62	600.59	600.68	600.56	600.48	600.32
1966	600.37	600.14	600.04	600.10	600.39	600.75	600.78	600.95	600.92	600.82	600.62	600.40	600.52
1967	600.23	600.07	599.83	600.11	600.48	600.63	600.84	600.95	600.79	600.60	600.64	600.32	600.46
1968	599.99	599.94	599.61	599.89	600.24	600.77	601.25	601.55	601.73	601.72	601.56	601.20	600.79
1969	601.04	600.96	600.72	600.66	600.96	601.02	601.07	601.09	600.96	600.84	600.71	600.38	600.87
1970	600.25	600.07	599.85	599.76	600.32	600.79	601.08	601.19	601.16	601.07	601.35	601.13	600.67
1971	600.99	600.70	600.65	600.73	601.01	601.31	601.48	601.48	601.33	601.26	601.23	601.06	601.10
1972	600.90	600.62	600.58	600.60	600.96	601.09	601.12	601.37	601.50	601.45	601.18	600.86	601.02
1973	600.67	600.40	600.44	600.59	601.10	601.31	601.60	601.82	601.83	601.65	601.44	601.07	601.16
1974	600.89	600.65	600.49	600.51	600.89	601.25	601.53	601.70	601.82	601.70	601.69	601.44	601.21
1975	601.23	601.10	600.81	600.68	600.97	601.17	601.42	601.40	601.35	601.13	601.12	601.08	601.12
1976	600.84	600.62	600.51	600.81	601.08	601.07	601.29	601.23	601.08	600.75	600.47	600.05	600.82
1977	599.80	599.53	599.55	599.82	599.99	600.16	600.44	600.61	601.04	601.29	601.18	600.97	600.36
1978	600.83	600.41	600.16	600.15	600.29	600.55	600.84	600.99	601.05	600.98	600.62	600.36	600.60
1979	600.14	599.87	599.98	600.21	600.79	601.28	601.41	601.42	601.39	601.21	601.21	600.95	600.82

Station 9004 : Point Iroquois, Brimley, Michigan on Lake Superior (Whitefish Bay)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1980	600.79	600.54	600.32	600.36	600.45	600.56	600.71	600.75	600.96	600.98	600.74	600.47	600.64
1981	600.13	599.92	599.95	600.20	600.45	600.65	600.83	600.73	600.56	600.41	600.36	600.15	600.36
1982	600.04	599.74	599.60	599.81	600.25	600.50	600.79	601.07	601.06	601.25	601.38	601.21	600.56
1983	601.02	600.76	600.71	600.73	600.87	601.07	601.24	601.24	601.23	601.28	601.17	601.17	601.04
1984	600.81	600.60	600.50	600.47	600.79	601.05	601.30	601.32	601.23	601.08	601.12	601.04	600.94
1985	600.86	600.59	600.49	600.62	601.02	601.34	601.59	601.78	601.94	602.13	602.14	601.96	601.37
1986													
1987													
1988													
1989													
1990													
1991													
1992													
1993													
1994													
1995													
1996													
1997													
1998													
1999													
2000													
2001													
2002													
2003													
2004													
2005													
2006													
2007													
2008													
2009													

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

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
MONTHLY AVERAGE FOR PERIOD 1930 THRU 1985													
	600.48	600.27	600.14	600.19	600.54	600.83	601.05	601.14	601.15	601.06	600.96	600.74	600.71
MONTHLY AVERAGE FOR PERIOD 1976 THRU 1985													
	600.53	600.26	600.18	600.32	600.60	600.82	601.04	601.11	601.15	601.14	601.04	600.83	600.75
HIGHEST MONTHLY AVERAGE FOR PERIOD 1930 THRU 1985													
LEVEL	601.31	601.10	600.95	601.19	601.52	601.64	601.83	602.02	601.94	602.13	602.14	601.96	601.67
YEAR	1952	1975	1951	1951	1951	1951	1951	1952	1985	1985	1985	1985	1950
LOWEST MONTHLY AVERAGE FOR PERIOD 1930 THRU 1985													
LEVEL	599.80	599.53	599.53	599.43	599.75	599.95	600.30	600.44	600.46	600.41	600.33	600.05	600.19
YEAR	1977	1977	1964	1964	1958	1958	1958	1961	1931	1981	1962	1976	1963
HIGHEST MONTHLY AVERAGE FOR PERIOD 1930 THRU 1985 ....602.14 NOV 1985													
LOWEST MONTHLY AVERAGE FOR PERIOD 1930 THRU 1985 .....599.43 APR 1964													

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 9016 : Marquette, Michigan on Lake Superior

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1860	599.60	599.57	599.88	599.97	600.13	600.40	600.39	600.37	600.48	600.39	600.30	599.93	600.12
1861	599.64	599.62	599.59	599.62	600.29	600.70	600.62	600.58	600.53	600.49	600.17	600.11	600.16
1862	600.01	599.56	599.43	599.38	599.80	599.93	599.97	600.18	600.23	600.27	600.03	599.82	599.88
1863	599.57	599.41	599.25	599.13	599.22	599.27	599.40	599.68	599.84	599.83	599.92	599.57	599.51
1864	599.30	599.17	599.05	598.95	599.30	599.37	599.47	599.62	599.64	599.47	599.17	599.28	599.32
1865	599.04	598.66	598.67	599.07	599.63	599.96	600.23	600.23	600.21	600.16	599.68	599.41	599.58
1866	598.93	598.52	598.71	599.20	599.40	599.69	599.88	600.01	599.96	600.03	599.92	599.35	599.47
1867	599.08	599.34	599.44	599.47	599.81	599.72	599.95	600.16	600.09	600.13	600.08	599.48	599.73
1868	599.31	598.74	599.26	599.67	599.58	599.58	599.68	599.70	599.87	599.87	599.83	599.83	599.58
1869	599.31	599.09	598.67	599.21	599.61	599.62	600.00	600.44	600.55	600.55	600.44	599.79	599.77
1870	599.56	599.33	599.34	599.44	599.58	600.39	600.58	600.59	600.74	600.59	600.40	599.48	600.00
1871	599.39	598.79	599.21	599.70	600.24	600.37	600.43	600.49	600.59	600.53	600.46	599.90	600.01
1872	599.60	599.49	599.37	599.27	599.92	600.30	600.57	600.74	600.90	600.80	600.65	600.35	600.16
1873	600.25	600.06	600.09	600.12	600.44	600.74	601.03	601.31	601.37	601.32	601.13	600.85	600.73
1874	600.59	600.26	600.22	600.32	600.39	600.59	600.97	601.06	601.16	601.22	601.04	600.73	600.71
1875	600.41	600.37	600.41	600.41	600.63	600.99	600.98	601.07	601.30	601.15	601.01	600.81	600.80
1876	600.61	600.40	600.31	600.34	600.88	601.56	601.95	602.06	601.95	601.62	601.46	601.18	601.19
1877	600.82	600.58	600.32	600.24	600.23	600.49	600.82	600.88	600.72	600.72	600.51	600.44	600.56
1878	600.32	600.44	599.67	599.64	599.91	600.22	600.29	600.17	600.00	600.07	599.87	599.55	600.01
1879	599.49	599.61	599.91	599.52	599.16	599.39	599.63	599.75	599.64	599.73	599.65	599.21	599.56
1880	599.02	598.99	598.89	598.90	599.65	600.45	600.60	600.59	600.59	600.54	600.48	600.22	599.91
1881	599.96	599.86	599.77	599.68	599.99	600.43	600.49	600.54	600.77	601.11	601.04	600.76	600.37
1882	600.41	600.16	600.05	599.97	600.13	600.15	600.43	600.61	600.61	600.45	600.42	600.24	600.30
1883	600.01	599.72	599.72	599.97	599.98	600.13	600.30	600.36	600.31	600.16	600.01	599.86	600.04
1884	599.81	599.64	599.54	599.35	599.61	599.69	599.89	599.93	600.25	600.58	600.44	600.24	599.91
1885	600.01	599.83	599.75	599.70	600.12	600.37	600.62	600.71	600.63	600.44	600.31	600.02	600.21
1886	599.65	599.52	599.46	599.53	599.79	599.92	600.01	599.99	599.97	600.09	600.00	599.83	599.81
1887	599.46	599.48	599.79	599.96	599.69	599.92	600.23	600.27	600.11	600.13	599.85	599.67	599.88
1888	599.54	599.53	599.46	599.46	599.93	600.68	600.90	601.07	601.01	600.89	600.71	600.35	600.29
1889	600.16	599.88	599.65	599.65	600.02	600.19	600.40	600.55	600.68	600.53	600.23	599.87	600.15

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 9016 : Marquette, Michigan on Lake Superior

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1890	599.78	599.66	599.42	599.39	599.70	600.05	600.35	600.50	600.63	600.60	600.39	600.03	600.04
1891	599.63	599.49	599.46	599.42	599.63	599.63	599.67	599.77	599.66	599.83	599.65	599.56	599.62
1892	599.56	599.28	599.15	599.16	599.49	599.87	599.90	600.02	600.07	599.97	599.80	599.52	599.65
1893	599.24	599.15	599.20	599.30	599.80	600.33	600.62	600.68	600.59	600.56	600.40	600.17	600.00
1894	599.99	599.81	599.90	600.05	600.83	601.02	601.08	601.21	601.13	601.15	601.13	600.91	600.68
1895	600.61	600.39	600.22	600.12	600.49	600.81	601.01	601.06	601.20	601.25	600.96	600.64	600.73
1896	600.45	600.25	600.05	600.14	600.79	601.10	601.23	601.25	601.08	600.76	600.83	600.70	600.72
1897	600.53	600.30	600.22	600.24	600.56	600.89	601.19	601.31	601.25	601.05	600.75	600.32	600.72
1898	599.94	599.76	599.58	599.57	599.81	600.29	600.70	600.83	600.90	600.87	600.67	600.44	600.28
1899	600.07	599.87	599.90	599.87	600.58	601.07	601.32	601.51	601.67	601.48	601.38	601.16	600.82
1900	600.78	600.59	600.37	600.27	600.44	600.51	600.72	601.08	601.60	601.68	601.65	601.27	600.91
1901	600.93	600.62	600.42	600.36	600.65	600.75	601.22	601.35	601.18	601.21	601.14	600.82	600.89
1902	600.46	600.25	600.11	600.16	600.48	600.77	601.02	601.03	601.07	600.97	600.99	600.82	600.68
1903	600.51	600.33	600.14	600.30	600.71	601.07	601.25	601.43	601.42	601.59	601.37	601.07	600.93
1904	600.65	600.46	600.38	600.30	600.60	600.90	600.99	601.08	601.21	601.36	601.27	600.87	600.84
1905	600.60	600.26	600.17	600.38	600.62	600.80	601.10	601.23	601.46	601.46	601.30	601.09	600.87
1906	600.85	600.56	600.35	600.28	600.61	600.91	601.03	601.06	601.08	600.97	600.79	600.58	600.76
1907	600.35	600.19	600.07	600.07	600.23	600.68	600.83	601.05	601.29	601.27	601.00	600.65	600.64
1908	600.21	599.98	599.83	599.74	600.14	600.68	600.96	601.03	600.88	600.70	600.36	600.12	600.39
1909	599.82	599.59	599.48	599.42	599.75	600.07	600.31	600.53	600.53	600.42	600.39	600.39	600.06
1910	600.14	599.87	599.64	599.75	599.88	600.03	600.01	600.10	600.09	600.05	599.81	599.54	599.91
1911	599.18	599.03	598.77	598.66	598.95	599.42	599.76	600.23	600.33	600.32	600.16	600.02	599.57
1912	599.90	599.67	599.55	599.57	600.03	600.33	600.48	600.67	600.79	600.74	600.59	600.35	600.22
1913	600.03	599.72	599.66	599.79	600.21	600.50	600.73	600.88	600.93	601.15	601.01	600.83	600.45
1914	600.53	600.34	600.05	599.97	600.36	600.59	600.81	600.88	600.93	600.85	600.57	600.21	600.51
1915	599.94	599.81	599.59	599.43	599.72	600.03	600.36	600.47	600.51	600.84	600.94	600.82	600.20
1916	600.72	600.53	600.27	600.46	601.08	601.55	601.72	601.81	601.93	601.76	601.58	601.26	601.22
1917	600.87	600.51	600.44	600.37	600.48	600.64	600.73	600.82	600.85	600.76	600.56	600.25	600.61
1918	600.04	599.78	599.65	599.57	599.81	600.24	600.37	600.48	600.64	600.56	600.64	600.56	600.20
1919	600.37	600.18	600.00	600.11	600.34	600.55	600.65	600.67	600.64	600.51	600.58	600.46	600.42



U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 9016 : Marquette, Michigan on Lake Superior

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1920	600.13	600.02	599.99	600.32	600.47	600.77	601.01	601.00	600.84	600.71	600.53	600.30	600.51
1921	600.11	599.81	599.67	599.82	600.17	600.46	600.64	600.75	600.74	600.57	600.28	600.04	600.26
1922	599.71	599.50	599.35	599.56	600.04	600.26	600.56	600.71	600.78	600.58	600.38	600.14	600.13
1923	599.90	599.73	599.59	599.51	599.70	599.77	599.99	600.11	600.16	600.12	600.01	599.85	599.87
1924	599.72	599.41	599.18	599.13	599.26	599.35	599.44	599.70	599.92	599.96	599.80	599.55	599.54
1925	599.19	599.02	598.87	598.97	599.05	599.32	599.53	599.62	599.55	599.49	599.17	598.94	599.23
1926	598.58	598.37	598.32	598.23	598.30	598.63	598.99	599.15	599.46	599.76	599.82	599.77	598.95
1927	599.57	599.46	599.43	599.53	600.00	600.38	600.77	600.89	600.79	600.78	600.67	600.48	600.23
1928	600.23	599.96	599.83	599.95	600.27	600.58	600.96	601.11	601.39	601.55	601.37	601.03	600.69
1929	600.72	600.54	600.58	600.69	600.67	600.79	600.99	600.99	600.95	600.97	600.88	600.64	600.78
1930	600.41	600.25	600.19	600.05	600.37	600.70	601.02	601.03	600.87	600.86	600.70	600.51	600.58
1931	600.22	599.95	599.79	599.64	599.83	600.07	600.36	600.43	600.42	600.51	600.54	600.48	600.19
1932	600.32	600.21	600.21	600.03	600.32	600.54	600.81	601.00	601.03	600.72	600.59	600.37	600.51
1933	600.19	600.08	599.95	600.01	600.49	600.81	600.92	601.00	600.98	600.99	600.93	600.72	600.59
1934	600.55	600.37	600.25	600.30	600.65	600.91	600.98	600.90	600.99	601.11	601.06	600.96	600.75
1935	600.69	600.55	600.44	600.40	600.63	600.84	601.10	601.23	601.17	600.96	600.85	600.60	600.79
1936	600.47	600.27	600.21	600.29	600.78	601.04	601.04	600.95	600.98	600.81	600.55	600.22	600.63
1937	600.13	600.08	600.02	599.99	600.50	600.75	600.88	601.08	601.12	601.04	601.01	600.77	600.61
1938	600.62	600.45	600.28	600.54	601.15	601.49	601.52	601.50	601.38	601.10	601.01	600.77	600.98
1939	600.69	600.59	600.48	600.50	600.82	601.29	601.60	601.56	601.45	601.17	600.83	600.60	600.96
1940	600.33	599.99	599.77	599.68	600.07	600.61	600.87	600.95	600.90	600.72	600.68	600.47	600.42
1941	600.27	600.04	599.77	599.82	600.25	600.58	600.73	600.84	601.11	601.46	601.33	601.06	600.60
1942	600.74	600.52	600.40	600.40	600.82	601.08	601.13	601.16	601.26	601.26	601.30	601.17	600.94
1943	600.93	600.80	600.67	600.62	601.00	601.56	601.81	601.81	601.64	601.36	601.13	600.77	601.18
1944	600.36	600.12	599.95	599.90	600.39	600.96	601.36	601.66	601.73	601.49	601.21	600.95	600.84
1945	600.64	600.43	600.41	600.86	600.92	601.01	601.24	601.32	601.45	601.31	601.11	600.93	600.97
1946	600.69	600.52	600.36	600.57	600.67	600.86	601.15	601.21	601.21	601.20	601.25	601.05	600.90
1947	600.74	600.55	600.31	600.34	600.76	601.35	601.65	601.57	601.57	601.34	601.07	600.75	601.00
1948	600.42	600.09	599.90	600.06	600.50	600.56	600.68	600.84	600.90	600.65	600.60	600.50	600.48
1949	600.30	600.16	599.92	599.94	600.35	600.60	601.05	601.25	601.17	601.14	601.05	600.74	600.64

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 9016 : Marquette, Michigan on Lake Superior

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1950	600.64	600.45	600.30	600.40	601.03	601.64	601.89	602.02	601.92	601.87	601.75	601.47	601.28
1951	601.09	600.90	600.91	601.14	601.53	601.64	601.82	601.82	601.90	601.93	601.77	601.50	601.50
1952	601.28	601.04	600.82	600.91	601.11	601.22	601.71	602.00	601.87	601.40	600.92	600.70	601.25
1953	600.43	600.29	600.13	600.27	600.51	601.05	601.41	601.51	601.41	601.09	600.69	600.53	600.78
1954	600.29	600.01	599.92	599.91	600.64	601.01	601.21	601.12	600.89	600.76	600.53	600.30	600.55
1955	600.03	599.77	599.75	599.85	600.19	600.41	600.48	600.72	600.67	600.81	600.76	600.49	600.33
1956	600.25	600.05	599.74	599.75	599.91	600.23	600.65	600.81	600.78	600.56	600.45	600.20	600.28
1957	599.91	599.66	599.58	599.65	600.05	600.34	600.73	600.76	600.78	600.62	600.52	600.33	600.24
1958	600.09	599.96	599.73	599.66	599.74	599.96	600.35	600.55	600.76	600.68	600.60	600.45	600.21
1959	600.19	599.94	599.84	599.80	600.16	600.54	600.72	600.90	601.23	601.33	601.07	600.70	600.54
1960	600.47	600.25	599.99	600.01	600.76	601.05	601.07	601.01	600.93	600.68	600.55	600.33	600.59
1961	600.05	599.84	599.75	599.83	600.16	600.38	600.48	600.50	600.57	600.57	600.51	600.34	600.25
1962	600.10	599.83	599.62	599.65	600.02	600.35	600.47	600.55	600.76	600.71	600.36	600.18	600.22
1963	599.87	599.65	599.55	599.76	600.01	600.36	600.59	600.70	600.66	600.55	600.43	600.22	600.20
1964	599.92	599.73	599.53	599.52	600.19	600.55	600.79	600.89	600.99	600.92	600.73	600.44	600.35
1965	600.15	599.92	599.75	599.79	600.24	600.49	600.62	600.67	600.62	600.73	600.55	600.50	600.34
1966	600.36	600.11	600.07	600.14	600.42	600.76	600.82	601.00	600.96	600.77	600.63	600.45	600.54
1967	600.24	600.09	599.89	600.13	600.51	600.69	600.87	600.99	600.85	600.67	600.58	600.35	600.49
1968	600.07	599.94	599.68	599.95	600.32	600.85	601.31	601.62	601.82	601.77	601.53	601.24	600.84
1969	601.08	600.94	600.71	600.68	601.03	601.10	601.15	601.15	600.99	600.84	600.68	600.42	600.90
1970	600.21	600.01	599.80	599.78	600.42	600.88	601.19	601.27	601.21	601.19	601.41	601.21	600.72
1971	600.96	600.72	600.69	600.74	601.06	601.43	601.57	601.57	601.43	601.36	601.31	601.08	601.16
1972	600.82	600.65	600.62	600.63	601.03	601.13	601.20	601.49	601.57	601.50	601.25	600.88	601.06
1973	600.68	600.47	600.51	600.67	601.17	601.45	601.69	601.91	601.87	601.70	601.39	601.17	601.22
1974	600.89	600.71	600.53	600.56	600.92	601.31	601.63	601.75	601.90	601.81	601.81	601.53	601.28
1975	601.33	601.18	600.97	600.77	601.08	601.32	601.54	601.49	601.40	601.20	601.20	601.13	601.22
1976	600.85	600.65	600.57	600.80	601.12	601.23	601.37	601.35	601.13	600.79	600.41	600.08	600.86
1977	599.80	599.60	599.66	599.91	600.12	600.25	600.57	600.74	601.17	601.39	601.27	601.05	600.46
1978	600.89	600.52	600.28	600.23	600.40	600.69	600.97	601.13	601.20	601.06	600.68	600.37	600.70
1979	600.12	599.95	600.04	600.24	600.88	601.40	601.50	601.49	601.46	601.29	601.25	601.01	600.89

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 9016 : Marquette, Michigan on Lake Superior

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1980	600.82	600.62	600.37	600.41	600.54	600.64	600.78	600.87	601.00	Station Relocated			600.67
1981													
1982													
1983													
1984													
1985													
1986													
1987													
1988													
1989													
1990													
1991													
1992													
1993													
1994													
1995													
1996													
1997													
1998													
1999													
2000													
2001													
2002													
2003													
2004													
2005													
2006													
2007													
2008													
2009													

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

SUMMARY OF AVERAGE AND EXTREME LEVELS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 9016 : Marquette, Michigan on Lake Superior

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
MONTHLY AVERAGE FOR PERIOD 1860 THRU 1980													
	600.17	599.98	599.87	599.92	600.25	600.54	600.75	600.85	600.88	600.82	600.68	600.43	600.43
MONTHLY AVERAGE FOR PERIOD 1900 THRU 1980													
	600.35	600.14	600.00	600.05	600.39	600.68	600.90	601.01	601.04	600.97	600.82	600.60	600.58
MONTHLY AVERAGE FOR PERIOD 1971 THRU 1980													
	600.72	600.51	600.42	600.50	600.83	601.08	601.28	601.38	601.41	601.34	601.17	600.92	600.96
HIGHEST MONTHLY AVERAGE FOR PERIOD 1860 THRU 1980													
LEVEL	601.33	601.18	600.97	601.14	601.53	601.64	601.95	602.06	601.95	601.93	601.81	601.53	601.50
YEAR	1975	1975	1975	1951	1951	1951	1876	1876	1876	1951	1974	1974	1951
LOWEST MONTHLY AVERAGE FOR PERIOD 1860 THRU 1980													
LEVEL	598.58	598.37	598.32	598.23	598.30	598.63	598.99	599.15	599.46	599.47	599.17	598.94	598.95
YEAR	1926	1926	1926	1926	1926	1926	1926	1926	1926	1864	1925	1925	1926

HIGHEST MONTHLY AVERAGE FOR PERIOD 1860 THRU 1980 ....602.06    AUG    1876

LOWEST MONTHLY AVERAGE FOR PERIOD 1860 THRU 1980 .....598.23    APR    1926

Station 9018 : Marquette Coast Guard, Marquette, Michigan on Lake Superior

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1980	600.84	600.63	600.39	600.44	600.54	600.64	600.79	600.87	601.07	601.03	600.80	600.50	600.71
1981	600.21	600.02	600.03	600.29	600.54	600.78	600.91	600.83	600.61	600.49	600.41	600.21	600.44
1982	600.06	599.78	599.68	599.88	600.38	600.58	600.89	601.13	601.16	601.36	601.46	601.27	600.64
1983	601.12	600.89	600.85	600.82	600.95	601.19	601.34	601.33	601.31	601.36	601.30	601.21	601.14
1984	600.89	600.71	600.60	600.56	600.87	601.18	601.39	601.42	601.34	601.23	601.20	601.08	601.04
1985	600.91	600.66	600.62	600.75	601.15	601.44	601.69	601.92	602.06	602.24	602.24	601.99	601.47
1986													
1987													
1988													
1989													
1990													
1991													
1992													
1993													
1994													
1995													
1996													
1997													
1998													
1999													
2000													
2001													
2002													
2003													
2004													
2005													
2006													
2007													
2008													
2009													

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

SUMMARY OF AVERAGE AND EXTREME LEVELS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 9018 : Marquette Coast Guard, Marquette, Michigan on Lake Superior

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---------------

MONTHLY AVERAGE FOR PERIOD 1980 THRU 1985

600.67	600.45	600.36	600.46	600.74	600.97	601.17	601.25	601.26	601.28	601.24	601.04	600.91
--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------

HIGHEST MONTHLY AVERAGE FOR PERIOD 1980 THRU 1985

LEVEL	601.12	600.89	600.85	600.82	601.15	601.44	601.69	601.92	602.06	602.24	602.24	601.99	601.47
YEAR	1983	1983	1983	1983	1985	1985	1985	1985	1985	1985	1985	1985	1985

LOWEST MONTHLY AVERAGE FOR PERIOD 1980 THRU 1985

LEVEL	600.06	599.78	599.68	599.88	600.38	600.58	600.79	600.83	600.61	600.49	600.41	600.21	600.44
YEAR	1982	1982	1982	1982	1982	1982	1980	1981	1981	1981	1981	1981	1981

HIGHEST MONTHLY AVERAGE FOR PERIOD 1980 THRU 1985 .....602.24 NOV 1985

LOWEST MONTHLY AVERAGE FOR PERIOD 1980 THRU 1985 .....599.68 MAR 1982

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 9044 : Ontonagon, Michigan on Lake Superior

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1950													
1951													
1952													
1953													
1954													
1955													
1956													
1957													
1958													
1959								600.88	601.27	601.30	601.02	600.69	601.03
1960	600.42	600.15	599.91	600.25	600.87	601.05	601.04	601.03	600.93	600.68	600.57	600.26	600.60
1961	599.93	599.77	599.76	599.87	600.16	600.35	600.48	600.45	600.51	600.54	600.44	600.29	600.21
1962	599.96	599.79	599.70	599.73	600.11	600.36	600.48	600.58	600.78	600.67	600.36	600.14	600.22
1963	599.84	599.64	599.64		600.07	600.40	600.60	600.65	600.69	600.59	600.40	600.17	600.24
1964	599.90	599.67	599.48	599.55	600.24	600.57	600.79	600.87	601.02	600.88	600.66	600.54	600.35
1965	600.22	599.93	599.79	599.95	600.31	600.50	600.65	600.67	600.67	600.72	600.60	600.50	600.38
1966	600.33	600.08	600.08	600.12	600.30	600.64	600.74	600.92	600.86	600.71	600.49	600.42	600.47
1967	600.24	600.08	599.88	600.20	600.44	600.68	600.87	600.91	600.81	600.66	600.59	600.37	600.48
1968	600.07	599.75	599.75	599.98	600.31	600.87	601.32	601.61	601.80	601.82	601.54	601.11	600.83
1969		601.04	600.76	600.76	601.08	601.13	601.18	601.19	601.00	600.86	600.68	600.30	600.91
1970	600.19	600.04				600.90	601.19	601.31	601.27	601.22	601.31	601.09	600.95
1971	600.73	600.54	600.48	600.76	601.12	601.42	601.56	601.50	601.42	601.37	601.31	600.81	601.08
1972	600.45	600.45		600.70	601.07	601.19	601.26	601.44	601.59	601.47	601.21	600.84	601.06
1973	600.71	600.47	600.68	600.81	601.00	601.46	601.66	601.92	601.85	601.69	601.39	601.16	601.23
1974	600.89	600.64	600.45	600.52	600.84	601.35	601.67	601.81	601.78	601.75	601.76	601.52	601.25
1975	601.29			600.73	601.06	601.33	601.54	601.52	601.38	601.23	601.16	601.19	601.24
1976				600.99	601.14	601.27	601.35	601.30	601.09	600.76	600.33		601.03
1977			599.82	599.83	600.18	600.29	600.61	600.75	601.19	601.43	601.37		600.61
1978				600.27	600.39	600.74	600.98	601.17	601.30	601.12	600.78		600.84
1979				600.50	600.95	601.47	601.58	601.58	601.51	601.33	601.31		601.28

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 9044 : Ontonagon, Michigan on Lake Superior

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1980				600.53	600.56	600.70	600.83	600.92	601.07	601.02	600.80	600.51	600.77
1981	600.30		600.24	600.34	600.59	600.86	600.95	600.88	600.64	600.54	600.42	600.20	600.54
1982	600.09	599.74	599.68	599.97	600.48	600.66	600.98	601.18	601.20	601.46	601.52	601.28	600.69
1983	601.13	600.91	600.85	600.83	600.99	601.26	601.42	601.36	601.34	601.36	601.32	601.23	601.17
1984	600.92	600.79	600.65	600.68	600.96	601.28	601.46	601.46	601.39	601.32	601.22	601.12	601.10
1985	600.90	600.68	600.71	600.86	601.25	601.53	601.77	601.98	602.11	602.32	602.27	601.97	601.53
1986													
1987													
1988													
1989													
1990													
1991													
1992													
1993													
1994													
1995													
1996													
1997													
1998													
1999													
2000													
2001													
2002													
2003													
2004													
2005													
2006													
2007													
2008													
2009													



U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

SUMMARY OF AVERAGE AND EXTREME LEVELS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 9044 : Ontonagon, Michigan on Lake Superior

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
MONTHLY AVERAGE FOR PERIOD 1959 THRU 1985													
	600.43	600.22	600.12	600.36	600.66	600.93	601.11	601.18	601.20	601.14	600.99	600.77	600.76
MONTHLY AVERAGE FOR PERIOD 1976 THRU 1985													
	600.67	600.53	600.32	600.48	600.75	601.01	601.19	601.26	601.28	601.27	601.13	601.05	600.91
HIGHEST MONTHLY AVERAGE FOR PERIOD 1959 THRU 1985													
LEVEL	601.29	601.04	600.85	600.99	601.25	601.53	601.77	601.98	602.11	602.32	602.27	601.97	601.53
YEAR	1975	1969	1983	1976	1985	1985	1985	1985	1985	1985	1985	1985	1985
LOWEST MONTHLY AVERAGE FOR PERIOD 1959 THRU 1985													
LEVEL	599.84	599.64	599.48	599.55	600.07	600.29	600.48	600.45	600.51	600.54	600.33	600.14	600.21
YEAR	1963	1963	1964	1964	1963	1977	1962	1961	1961	1981	1976	1962	1961
HIGHEST MONTHLY AVERAGE FOR PERIOD 1959 THRU 1985 .....602.32    OCT    1985													
LOWEST MONTHLY AVERAGE FOR PERIOD 1959 THRU 1985 .....599.48    MAR    1964													

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 9064 : Duluth, Minnesota on Lake Superior

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1860				599.65	599.88	600.05	600.01	600.06	600.04	600.08	599.91		599.96
1861		599.11	598.97	599.38	600.01	600.16	600.32	600.28	600.19	600.22	599.88	599.50	599.82
1862	599.15	598.96	598.99	599.05	599.73	599.72	599.69	599.86	599.98	599.91	599.58	599.31	599.49
1863	599.12	598.99	598.82	598.86	598.99	598.91	599.05	599.35	599.59	599.53	599.27	599.06	599.13
1864	598.83	598.62	598.69	598.71	598.87	599.02	599.11	599.12	599.27	599.01	598.82	598.67	598.90
1865	598.39	598.38	598.25	598.69	599.18	599.59	599.91	599.99	600.00	599.79	599.26	598.95	599.20
1866	598.66	598.45	598.45	598.90	599.15	599.34	599.63	599.86	599.59	599.61	599.28	599.39	599.19
1867	599.12	599.01	598.82	599.04	599.04	599.64	599.97	599.85	599.93	599.91	599.48	599.16	599.41
1868	599.00	598.41	598.77	598.96	599.36	599.27	599.49	599.41	599.54	599.51	599.67	599.24	599.22
1869	599.02	598.78	598.33	598.91	599.31	599.32	599.69	600.15	601.00	600.48	600.14	599.49	599.55
1870	599.24	599.03	599.04	599.14	600.27	600.08	600.27	600.27	600.44	600.28	600.10	599.17	599.78
1871	599.08	598.48	598.90	599.40	599.93	600.05	600.12	600.18	600.28	600.21	600.14	599.40	599.68
1872						600.03	600.27	600.55	600.66	600.51	600.35	600.06	600.35
1873	599.88	599.76	599.79	599.83	600.07	600.46	600.73	601.02	600.90				600.27
1874													
1875													
1876													
1877													
1878													
1879													
1880					599.39	600.14	600.29	600.36	600.16	600.30	600.24		600.13
1881				599.27	599.82	600.25	600.15	600.24	600.65	600.81	600.76		600.24
1882				599.60	600.08	600.09	600.19	600.37	600.45	600.50	600.48		600.22
1883					599.59	599.83	600.10	600.11	600.23	599.96			599.97
1884					599.33	599.90			600.04	600.31	600.14	599.85	599.93
1885	599.65				599.96	600.24	600.43	600.48	600.32	600.16	600.07	599.57	600.10
1886				599.26	599.55	599.69	599.82	599.80	599.70	599.84	599.71		599.67
1887					599.56	599.76	600.05	600.13	599.96	599.78	599.54	599.46	599.78
1888	599.13	599.04	599.11	599.16	599.78	600.63	600.85	600.69	600.81	600.73	600.52	599.92	600.03
1889	599.69	599.53	599.37	599.36	599.83	599.97	600.16	600.30	600.45	600.31	599.95	599.63	599.88

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 9064 : Duluth, Minnesota on Lake Superior

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1890	599.34	599.17	599.08	599.11	599.16	599.85	600.17	600.31	600.41	600.46	600.14	599.69	599.74
1891	599.34	599.15	599.12	599.19	599.36	599.52	599.53	599.62	599.56	599.61	599.34	599.26	599.38
1892	598.97	598.91	598.78	598.91	599.29	599.61	599.65	599.70	599.77	599.79	599.41	599.06	599.32
1893	598.77	598.71	598.74	599.01	599.48	600.07	600.22	600.28	600.25	600.29	599.95	599.77	599.63
1894	599.62	599.39	599.49	599.88	600.61	600.75	600.78	600.89	600.75	600.89	600.71	600.47	600.35
1895	600.15	599.93	599.83	599.90	600.28	600.62	600.77	600.80	600.92	600.88	600.67	600.30	600.42
1896	600.15	599.89	599.76	600.04	600.70	600.92	600.96	600.96	600.79	600.52	600.55	600.39	600.47
1897	600.16	600.06	599.97	600.08	600.35	600.78	601.14	601.09	601.07	600.84	600.47	599.96	600.50
1898	599.64	599.48	599.34	599.36	599.59	600.13	600.53	600.61	600.60	600.60	600.40	600.02	600.02
1899	599.78	599.58	599.62	599.70	600.45	600.97	601.14	601.42	601.47	601.39	601.13	600.78	600.62
1900	600.46	600.20	600.08	600.06	600.21	600.29	600.51	601.02	601.41	601.59	601.32	600.91	600.67
1901	600.55	600.24	600.19	600.17	600.44	600.65	601.06	601.12	601.00	600.93	600.80	600.49	600.64
1902	600.13	599.90	600.01	599.90	600.33	600.52	600.81	600.77	600.82	600.68	600.73	600.52	600.43
1903	600.14	599.86	599.89	600.13	600.63	600.86	600.98	601.20	601.27	601.33	601.06	600.67	600.67
1904	600.36	600.17	600.15	600.09	600.41	600.78	600.83	600.88	601.07	601.24	601.05	600.67	600.64
1905	600.21	599.97	599.99	600.12	600.54	600.73	601.01	601.17	601.48	601.29	601.12	600.85	600.71
1906	600.60	600.32	600.13	600.18	600.49	600.81	600.89	600.98	600.98	600.77	600.67	600.40	600.60
1907	600.11	599.91	599.84	599.92	600.10	600.57	600.66	600.87	601.05	601.07	600.73	600.40	600.44
1908	599.89	599.70	599.60	599.58	600.03	600.59	600.80	600.82	600.72	600.63	600.10	599.87	600.19
1909	599.58	599.36	599.26	599.32	599.66	599.96	600.15	600.48	600.38	600.22	600.35	600.20	599.91
1910	599.84	599.59	599.41	599.65	599.68	599.87	599.88	599.96	599.96	599.87	599.47	599.16	599.70
1911	598.89	598.78	598.57	598.54	598.84	599.32	599.55	600.08	600.23	600.14	599.87	599.86	599.39
1912	599.47	599.38	599.33	599.44	600.00	600.18	600.31	600.54	600.64	600.49	600.27	600.03	600.01
1913	599.67	599.34	599.37	599.62	600.05	600.29	600.52	600.73	600.84	600.94	600.74	600.53	600.22
1914	600.27	599.93	599.83	599.81	600.27	600.51	600.66	600.73	600.85	600.72	600.23	599.84	600.30
1915	599.66	599.62	599.34	599.30	599.64	599.94	600.24	600.34	600.44	600.70	600.66	600.62	600.04
1916	600.39	600.22	600.14	600.35	600.98	601.45	601.66	601.70	601.76	601.57	601.30	600.97	601.04
1917	600.55	600.19	600.25	600.24	600.27	600.50	600.58	600.67	600.70	600.55	600.33	599.91	600.40
1918	599.69	599.58	599.46	599.44	599.69	600.00	600.26	600.41	600.39	600.41	600.39	600.41	600.01
1919	600.08	599.92	599.85	600.04	600.20	600.46	600.52	600.42	600.46	600.35	600.36	600.12	600.23

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 9064 : Duluth, Minnesota on Lake Superior

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1920	599.91	599.80	599.87	600.07	600.37	600.73	600.87	600.98	600.80	600.61	600.33	600.11	600.37
1921	599.94	599.63	599.51	599.78	600.10	600.44	600.54	600.57	600.57	600.35	600.08	599.71	600.10
1922	599.43	599.32	599.25	599.47	599.99	600.17	600.48	600.65	600.73	600.51	600.29	599.91	600.02
1923	599.75	599.37	599.34	599.32	599.63	599.69	599.91	599.96	600.11	599.96	599.87	599.69	599.72
1924	599.40	599.22	599.03	599.04	599.13	599.27	599.39	599.64	599.84	599.95	599.58	599.24	599.39
1925	599.00	598.86	598.75	598.87	598.90	599.26	599.41	599.51	599.57	599.28	598.97	598.65	599.09
1926	598.37	598.22	598.10	598.02	598.24	598.47	598.89	599.12	599.50	599.65	599.64	599.58	598.82
1927	599.32	599.19	599.23	599.47	599.97	600.30	600.67	600.71	600.65	600.64	600.50	600.25	600.08
1928	599.93	599.76	599.59	599.83	600.12	600.47	600.87	601.07	601.28	601.44	601.20	600.83	600.53
1929	600.41	600.37	600.46	600.61	600.50	600.72	600.84	600.85	600.88	600.85	600.66	600.46	600.63
1930	600.16	600.13	599.95	599.93	600.38	600.55	600.92	600.91	600.73	600.71	600.55	600.31	600.44
1931	600.06	599.80	599.64	599.52	599.77	600.04	600.28	600.36	600.32	600.38	600.32	600.41	600.08
1932	600.21	600.05	599.88	600.00	600.32	600.53	600.72	600.95	600.86	600.60	600.52	600.23	600.41
1933	600.11	599.83	599.78	599.94	600.50	600.77	600.94	600.94	600.97	600.87	600.75	600.51	600.49
1934	600.34	600.19	600.10	600.23	600.63	600.84	600.98	600.84	600.96	601.05	601.00	600.81	600.66
1935	600.54	600.34	600.41	600.39	600.64	600.80	601.09	601.25	601.12	600.89	600.78	600.49	600.73
1936	600.31	600.06	600.10	600.17	600.77	601.01	601.03	600.96	601.01	600.66	600.36	600.12	600.55
1937	600.01	599.89	599.85	600.00	600.43	600.69	600.82	601.08	601.07	600.87	600.81	600.61	600.51
1938	600.36	600.30	600.16	600.48	601.17	601.44	601.46	601.39	601.33	601.18	600.90	600.55	600.89
1939	600.55	600.47	600.34	600.42	600.84	601.25	601.52	601.52	601.43	601.03	600.68	600.38	600.87
1940	599.95	599.84	599.60	599.61	599.96	600.52	600.82	600.90	600.80	600.67	600.52	600.28	600.29
1941	600.10	599.75	599.62	599.84	600.22	600.56	600.68	600.78	601.16	601.36	601.17	600.94	600.52
1942	600.54	600.33	600.30	600.38	600.81	601.07	601.09	601.14	601.17	601.17	601.15	601.02	600.85
1943	600.78	600.62	600.57	600.57	601.01	601.53	601.75	601.70	601.49	601.29	600.93	600.51	601.06
1944	600.19	599.93	599.90	599.89	600.42	601.00	601.23	601.58	601.70	601.40	601.23	600.72	600.77
1945	600.45	600.32	600.37	600.79	600.84	601.05	601.22	601.26	601.45	601.15	601.05	600.78	600.89
1946	600.51	600.39	600.34	600.54	600.64	600.89	601.11	601.12	601.20	601.16	601.14	600.93	600.83
1947	600.62	600.22	600.08	600.43	600.79	601.38	601.59	601.60	601.53	601.35	600.97	600.64	600.93
1948	600.31	599.99	599.79	600.03	600.44	600.53	600.63	600.85	600.94	600.64	600.58	600.40	600.43
1949	600.24	600.06	599.88	599.96	600.38	600.64	601.09	601.28	601.06	601.07	600.93	600.66	600.60

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 9064 : Duluth, Minnesota on Lake Superior

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1950	600.52	600.36	600.26	600.41	601.10	601.58	601.88	601.98	601.95	601.88	601.63	601.40	601.25
1951	600.95	600.83	600.85	601.11	601.49	601.66	601.79	601.83	601.88	601.96	601.70	601.42	601.46
1952	601.21	601.02	600.83	600.88	601.06	601.22	601.69	601.98	601.75	601.17	600.83	600.57	601.18
1953	600.30	600.11	600.07	600.24	600.57	601.07	601.38	601.55	601.27	601.08	600.63	600.38	600.72
1954	600.21	599.94	599.78	599.91	600.63	601.09	601.20	601.06	600.91	600.68	600.48	600.20	600.51
1955	599.91	599.74	599.60	599.92	600.23	600.41	600.52	600.73	600.69	600.78	600.65	600.48	600.30
1956	600.26	599.94	599.75	599.73	599.98	600.26	600.62	600.79	600.76	600.62	600.37	600.14	600.27
1957	599.74	599.58	599.58	599.70	600.12	600.38	600.76	600.81	600.78	600.63	600.43	600.26	600.23
1958	600.08	599.79	599.71	599.68	599.78	599.98	600.40	600.49	600.80	600.68	600.56	600.35	600.19
1959	600.05	599.85	599.84	599.82	600.24	600.58	600.77	601.00	601.33	601.30	600.97	600.72	600.54
1960	600.38	600.17	599.94	600.05	600.83	601.07	601.04	601.12	601.00	600.65	600.48	600.21	600.58
1961	599.94	599.84	599.82	599.88	600.24	600.40	600.50	600.49	600.61	600.61	600.48	600.26	600.26
1962	599.88	599.83	599.80	599.75	600.16	600.43	600.51	600.64	600.78	600.72	600.39	600.07	600.25
1963	599.75	599.64	599.70	599.90	600.12	600.46	600.63	600.74	600.78	600.63	600.36	600.15	600.24
1964	599.90	599.67	599.57	599.68	600.29	600.64	600.87	600.96	601.05	600.90	600.73	600.45	600.39
1965	600.09	599.88	599.83	599.92	600.36	600.59	600.65	600.75	600.76	600.73	600.58	600.56	600.39
1966	600.28	600.12	600.25	600.26	600.52	600.84	600.91	601.09	600.93	600.77	600.61	600.43	600.58
1967	600.28	600.08	599.98	600.31	600.62	600.85	600.91	601.03	600.92	600.73	600.55	600.31	600.55
1968	600.11	599.72	599.72	600.07	600.44	600.97	601.37	601.67	601.92	601.85	601.59	601.32	600.90
1969	601.12	601.00	600.74	600.86	601.15	601.19	601.24	601.18	601.05	600.89	600.68	600.45	600.96
1970	600.17	599.97	599.88	599.98	600.59	601.01	601.26	601.28	601.26	601.31	601.43	601.26	600.78
1971	600.85	600.75	600.75	600.86	601.17	601.55	601.61	601.61	601.54	601.46	601.36	601.09	601.22
1972	600.73	600.65	600.70	600.79	601.18	601.23	601.31	601.59	601.68	601.50	601.29	600.93	601.13
1973	600.70	600.54	600.65	600.80	601.27	601.57	601.75	602.03	601.90	601.78	601.39	601.25	601.30
1974	600.89	600.79	600.63	600.70	601.10	601.42	601.68	601.87	601.83	601.79	601.79	601.55	601.34
1975	601.31	601.09	601.03	600.91	601.18	601.42	601.56	601.57	601.49	601.32	601.31	601.20	601.28
1976	600.88	600.68	600.72	601.01	601.22	601.35	601.45	601.42	601.12	600.79	600.32	599.99	600.91
1977	599.67	599.63	599.83	600.04	600.26	600.37	600.66	600.75	601.29	601.50	601.37	601.15	600.54
1978	600.78	600.50	600.33	600.42	600.53	600.84	601.10	601.26	601.49	601.13	600.74	600.40	600.79
1979	600.09	600.08	600.21	600.46	601.09	601.54	601.63	601.61	601.56	601.39	601.30	601.04	601.00

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 9064 : Duluth, Minnesota on Lake Superior

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1980	600.85	600.69	600.47	600.56	600.66	600.82	600.94	601.04	601.19	601.07	600.86	600.49	600.80
1981	600.18	600.09	600.11	600.45	600.73	600.97	601.10	601.08	600.77	600.69	600.51	600.27	600.58
1982	600.05	599.89	599.83	600.06	600.66	600.77	601.10	601.28	601.35	601.62	601.56	601.37	600.80
1983	601.23	601.08	601.08	601.02	601.14	601.43	601.54	601.49	601.38	601.48	601.46	601.21	601.30
1984	600.94	600.87	600.73	600.78	601.05	601.40	601.55	601.62	601.49	601.49	601.31	601.15	601.20
1985	600.89	600.76	600.86	600.97	601.40	601.64	601.87	602.09	602.27	602.40	602.36	601.93	601.62
1986													
1987													
1988													
1989													
1990													
1991													
1992													
1993													
1994													
1995													
1996													
1997													
1998													
1999													
2000													
2001													
2002													
2003													
2004													
2005													
2006													
2007													
2008													
2009													

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

SUMMARY OF AVERAGE AND EXTREME LEVELS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 9064 : Duluth, Minnesota on Lake Superior

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
MONTHLY AVERAGE FOR PERIOD 1860 THRU 1985													
	600.01	599.82	599.76	599.87	600.21	600.49	600.69	600.79	600.82	600.73	600.54	600.28	600.33
MONTHLY AVERAGE FOR PERIOD 1900 THRU 1985													
	600.20	600.02	599.95	600.06	600.41	600.70	600.89	601.00	601.03	600.93	600.74	600.50	600.54
MONTHLY AVERAGE FOR PERIOD 1976 THRU 1985													
	600.56	600.43	600.42	600.58	600.87	601.11	601.29	601.36	601.39	601.36	601.18	600.90	600.95
HIGHEST MONTHLY AVERAGE FOR PERIOD 1860 THRU 1985													
LEVEL	601.31	601.09	601.08	601.11	601.49	601.66	601.88	602.09	602.27	602.40	602.36	601.93	601.62
YEAR	1975	1975	1983	1951	1951	1951	1950	1985	1985	1985	1985	1985	1985
LOWEST MONTHLY AVERAGE FOR PERIOD 1860 THRU 1985													
LEVEL	598.37	598.22	598.10	598.02	598.24	598.47	598.89	599.12	599.27	599.01	598.82	598.65	598.82
YEAR	1926	1926	1926	1926	1926	1926	1926	1926	1864	1864	1864	1925	1926
HIGHEST MONTHLY AVERAGE FOR PERIOD 1860 THRU 1985 ....602.40    OCT    1985													
LOWEST MONTHLY AVERAGE FOR PERIOD 1860 THRU 1985 .....598.02    APR    1926													

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 9070 : Two Harbors, Minnesota on Lake Superior

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1860													
1861													
1862													
1863													
1864													
1865													
1866													
1867													
1868													
1869													
1870													
1871													
1872													
1873													
1874													
1875													
1876													
1877													
1878													
1879													
1880													
1881													
1882													
1883													
1884													
1885													
1886													
1887								599.81	600.09	600.21	600.07	599.85	600.01
1888													
1889													



Station 9070 : Two Harbors, Minnesota on Lake Superior

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1890													
1891													
1892													
1893													
1894													
1895													
1896													
1897													
1898													
1899							601.21	601.46	601.57	601.42			601.42
1900									601.33	601.56			601.44
1901													
1902													
1903													
1904													
1905													
1906													
1907													
1908													
1909													
1910													
1911													
1912													
1913													
1914													
1915													
1916													
1917													
1918													
1919													

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 9070 : Two Harbors, Minnesota on Lake Superior

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1920													
1921													
1922													
1923													
1924													
1925													
1926													
1927													
1928													
1929													
1930													
1931						600.03	600.29	600.37	600.36	600.75	600.59		600.67
1932										600.38			600.29
1933													
1934													
1935						600.79	601.06	601.21	601.09				
1936													601.04
1937													
1938													
1939													
1940													
1941									601.14	601.38	601.21	600.94	601.17
1942	600.56	600.40	600.35	600.37	600.79	601.05	601.09	601.10	601.17	601.19	601.19	601.03	600.86
1943	600.78	600.63	600.59	600.55	601.01	601.54	601.75	601.69	601.53	601.29	601.00	600.54	601.08
1944	600.23	599.96	599.92	599.86	600.39	600.98	601.29	601.62	601.72	601.39	601.21	600.78	600.78
1945	600.53	600.34	600.38	600.82	600.83	601.00	601.22	601.26	601.41	601.21	600.98	600.82	600.90
1946	600.58	600.43	600.37	600.55	600.64	600.82	601.11	601.14	601.22	601.19	601.15	600.89	600.84
1947	600.61	600.32	600.17	600.37	600.75	601.37	601.62	601.60	601.54	601.36	601.02	600.62	600.95
1948	600.31	600.01	599.89	600.07	600.47	600.52	600.61	600.80	600.91	600.61	600.55	600.43	600.43
1949	600.26	600.10	599.91	599.99	600.34	600.59	601.03	601.28	601.04	601.08	600.97	600.71	600.61

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 9070 : Two Harbors, Minnesota on Lake Superior

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1950	600.53	600.39	600.27	600.42	601.11	601.67	601.95	602.04	601.97	601.89	601.68	601.41	601.28
1951	601.01	600.88	600.91	601.12	601.52	601.69	601.83	601.86	601.90	601.98	601.76	601.43	601.49
1952	601.23	601.05	600.87	600.89	601.08	601.25	601.71	602.09	601.89	601.26	600.87	600.62	601.23
1953	600.35	600.18	600.09	600.23	600.54	601.06	601.38	601.53	601.28	601.09	600.65	600.41	600.73
1954	600.23	599.98	599.77	599.88	600.61	601.05	601.17	601.06	600.88	600.67	600.51	600.22	600.50
1955	599.93	599.77	599.62	599.90	600.21	600.40	600.50	600.71	600.65	600.81	600.64	600.48	600.30
1956	600.26	599.94	599.73	599.69	599.96	600.27	600.62	600.78	600.77	600.62	600.39	600.18	600.27
1957	599.81	599.66	599.64	599.71	600.11	600.38	600.76	600.81	600.80	600.64	600.47	600.30	600.26
1958	600.06	599.81	599.72	599.68	599.80	599.99	600.38	600.49	600.82	600.70	600.60	600.38	600.20
1959	600.08	600.07			600.40	600.57	600.75	600.99	601.35	601.32	601.03	600.69	600.72
1960	600.41	600.19	599.99	600.06	600.83	601.07	601.03	601.09	601.00	600.66	600.50	600.24	600.59
1961	599.95	599.87	599.83	599.87	600.22	600.40	600.52	600.49	600.62	600.61	600.51	600.30	600.27
1962	599.91	599.85	599.80	599.75	600.14	600.42	600.51	600.65	600.78	600.71	600.40	600.09	600.25
1963	599.77	599.65	599.68	599.88	600.11	600.43	600.61	600.72	600.78	600.65	600.39	600.17	600.24
1964	599.92	599.68	599.56	599.65	600.28	600.63	600.86	600.98	601.04	600.93	600.74	600.49	600.40
1965	600.11	599.91	599.85	599.91	600.37	600.60	600.66	600.73	600.74	600.73	600.59	600.54	600.40
1966	600.28	600.11	600.19	600.22	600.49	600.82	600.87	601.04	600.91	600.76	600.59	600.43	600.56
1967	600.28	600.09	599.99	600.27	600.57	600.82	600.91	601.01	600.91	600.74	600.56	600.25	600.53
1968	600.11	599.73	599.71	600.04	600.41	600.92	601.34	601.64	601.89	601.82	601.57	601.28	600.87
1969	601.10	600.98	600.71	600.79	601.13	601.16	601.19	601.15	601.02	600.86	600.66	600.43	600.93
1970	600.15	599.95	599.85	599.89	600.52	600.97	601.23	601.26	601.24	601.29	601.42	601.25	600.75
1971	600.85	600.72	600.73	600.82	601.14	601.50	601.58	601.57	601.52	601.42	601.33	601.08	601.19
1972	600.73	600.62	600.66	600.74	601.13	601.20	601.26	601.51	601.64	601.48	601.26	600.89	601.09
1973	600.67	600.51	600.60	600.75	601.17	601.54	601.72			601.71	601.38	601.23	601.13
1974	600.89	600.78	600.62	600.68	601.06	601.40	601.65	601.85	601.83	601.80	601.80	601.56	601.33
1975	601.32	601.10	601.00	600.84	601.16	601.39	601.54	601.53	601.48	601.30	601.28	601.19	601.26
1976	600.87	600.66	600.67	600.96	601.20	601.31	601.40	601.37	601.06	600.77	600.32	599.98	600.88
1977	599.66	599.59	599.77	599.99	600.23	600.32	600.61	600.71	601.22	601.43	601.34	601.11	600.50
1978	600.75	600.47	600.29	600.33	600.47	600.78	601.03	601.19	601.41	601.28	600.72	600.38	600.76
1979	600.07	600.05	600.17	600.39	601.03	601.51	601.57	601.58	601.50	601.34	601.27	601.01	600.96

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 9070 : Two Harbors, Minnesota on Lake Superior

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1980	600.81	600.65	600.43	600.50	600.62	600.75	600.88	600.98	601.13	601.04	600.83	600.46	600.76
1981	600.14	600.04	600.06	600.39	600.66	600.91	601.03	601.01	600.72	600.65	600.47	600.27	600.53
1982	600.00	599.84	599.76	599.98	600.57	600.70	601.01	601.22	601.28	601.54	601.52	601.32	600.73
1983	601.18	601.02	600.99	600.94	601.07	601.35	601.45	601.41	601.32	601.43	601.39	601.16	601.23
1984	600.89	600.80	600.67	600.71	601.00	601.35	601.48	601.54	601.42	601.41	601.25	601.10	601.14
1985	600.85	600.70	600.77	600.88	601.32	601.57	601.79	602.03	602.20	602.34	602.30	601.89	601.55
1986													
1987													
1988													
1989													
1990													
1991													
1992													
1993													
1994													
1995													
1996													
1997													
1998													
1999													
2000													
2001													
2002													
2003													
2004													
2005													
2006													
2007													
2008													
2009													

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

SUMMARY OF AVERAGE AND EXTREME LEVELS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 9070 : Two Harbors, Minnesota on Lake Superior

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
MONTHLY AVERAGE FOR PERIOD 1887 THRU 1985													
	600.43	600.26	600.20	600.31	600.67	600.91	601.11	601.20	601.21	601.13	600.98	600.73	600.76
MONTHLY AVERAGE FOR PERIOD 1900 THRU 1985													
	600.43	600.26	600.20	600.31	600.67	600.93	601.13	601.22	601.22	601.15	600.98	600.73	600.77
MONTHLY AVERAGE FOR PERIOD 1976 THRU 1985													
	600.52	600.38	600.36	600.51	600.82	601.06	601.22	601.30	601.33	601.32	601.14	600.87	600.90
HIGHEST MONTHLY AVERAGE FOR PERIOD 1887 THRU 1985													
LEVEL	601.32	601.10	601.00	601.12	601.52	601.69	601.95	602.09	602.20	602.34	602.30	601.89	601.55
YEAR	1975	1975	1975	1951	1951	1951	1950	1952	1985	1985	1985	1985	1985
LOWEST MONTHLY AVERAGE FOR PERIOD 1887 THRU 1985													
LEVEL	599.66	599.59	599.56	599.65	599.80	599.81	600.09	600.21	600.07	599.85	600.32	599.98	600.01
YEAR	1977	1977	1964	1964	1958	1887	1887	1887	1887	1887	1976	1976	1887
HIGHEST MONTHLY AVERAGE FOR PERIOD 1887 THRU 1985 .....602.34    OCT    1985													
LOWEST MONTHLY AVERAGE FOR PERIOD 1887 THRU 1985 .....599.56    MAR    1964													

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 9090 : Grand Marais, Minnesota on Lake Superior

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1950													
1951													
1952													
1953													
1954													
1955													
1956													
1957													
1958													
1959													
1960													
1961													
1962													
1963													
1964													
1965													
1966	600.15	600.08	600.11	600.16	600.43	600.75	600.81	600.97	600.86	600.73	600.53	600.38	600.50
1967	600.20	600.03	599.93	600.16	600.50	600.73	600.86	600.94	600.85	600.67	600.53	600.25	600.47
1968	600.05	599.71	599.65	599.96	600.33	600.83	601.30	601.56	601.81	601.77	601.51	601.21	600.81
1969	601.06	600.91	600.66	600.70	601.05	601.09	601.09	601.07	600.93	600.80	600.63	600.37	600.86
1970	600.12	599.92	599.79	599.80	600.42	600.86	601.13	601.17	601.16	601.21	601.37	601.21	600.68
1971	600.82	600.67	600.66	600.75	601.06	601.40	601.51	601.47	601.43	601.36	601.28	601.06	601.12
1972	600.74	600.58	600.61	600.66	601.05	601.13	601.18	601.43	601.55	601.43	601.20	600.83	601.03
1973	600.62	600.43	600.50	600.65	601.12	601.43	601.62	601.88	601.78	601.66	601.33	601.14	601.18
1974	600.84	600.69	600.53	600.58	600.97	601.32	601.57	601.73	601.73	601.70	601.71	601.47	601.24
1975	601.24	601.03	600.86	600.69	601.04	601.27	601.46	601.39	601.36	601.19	601.15	601.10	601.15
1976	600.81	600.59	600.57	600.85	601.10	601.20	601.29	601.24	601.00	600.70	600.28	599.93	600.80
1977	599.73		599.81	599.90	600.11	600.23	600.52	600.64	601.15	601.39	601.28	601.04	600.53
1978	600.69	600.38	600.21	600.22	600.36	600.68	600.91	601.08	601.28	601.04	600.64	600.31	600.65
1979	600.00	599.94	600.07	600.28	600.91	601.39	601.46	601.44	601.41	601.24	601.20	600.93	600.86

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

MONTHLY AND ANNUAL AVERAGE ELEVATIONS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 9090 : Grand Marais, Minnesota on Lake Superior

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
1980	600.74	600.54	600.33	600.39	600.51	600.63	600.75	600.84	601.00	600.94	600.72	600.38	600.65
1981	600.05	599.93	599.93	600.26	600.52	600.78	600.89	600.85	600.57	600.49	600.36	600.14	600.40
1982	599.90	599.75	599.66	599.86	600.43	600.58	600.88	601.08	601.14	601.39	601.42	601.22	600.61
1983	601.07	600.88	600.81	600.80	600.92	601.20	601.30	601.26	601.20	601.31	601.28	601.09	601.09
1984	600.80	600.67	600.53	600.55	600.87	601.18	601.35	601.39	601.30	601.27	601.15	601.00	601.00
1985	600.74	600.59	600.61	600.72	601.15	601.42	601.62	601.88	602.06	602.22	602.19	601.83	601.42
1986													
1987													
1988													
1989													
1990													
1991													
1992													
1993													
1994													
1995													
1996													
1997													
1998													
1999													
2000													
2001													
2002													
2003													
2004													
2005													
2006													
2007													
2008													
2009													

U. S. DEPARTMENT OF COMMERCE  
 NOAA - NOS ROCKVILLE, MARYLAND  
 GREAT LAKES WATER LEVELS, N/OMA12

SUMMARY OF AVERAGE AND EXTREME LEVELS  
 WATER LEVELS IN FEET, IGLD (1955)

Station 9090 : Grand Marais, Minnesota on Lake Superior

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVG
MONTHLY AVERAGE FOR PERIOD 1966 THRU 1985													
	600.52	600.39	600.29	600.40	600.74	601.00	601.18	601.27	601.28	601.23	601.09	600.84	600.85
MONTHLY AVERAGE FOR PERIOD 1976 THRU 1985													
	600.45	600.36	600.25	600.38	600.69	600.93	601.10	601.17	601.21	601.20	601.05	600.79	600.80
HIGHEST MONTHLY AVERAGE FOR PERIOD 1966 THRU 1985													
LEVEL	601.24	601.03	600.86	600.85	601.15	601.43	601.62	601.88	602.06	602.22	602.19	601.83	601.42
YEAR	1975	1975	1975	1976	1985	1973	1985	1985	1985	1985	1985	1985	1985
LOWEST MONTHLY AVERAGE FOR PERIOD 1966 THRU 1985													
LEVEL	599.73	599.71	599.65	599.80	600.11	600.23	600.52	600.64	600.57	600.49	600.28	599.93	600.40
YEAR	1977	1968	1968	1970	1977	1977	1977	1977	1981	1981	1976	1976	1981
HIGHEST MONTHLY AVERAGE FOR PERIOD 1966 THRU 1985 .....602.22      OCT      1985													
LOWEST MONTHLY AVERAGE FOR PERIOD 1966 THRU 1985 .....599.65      MAR      1968													