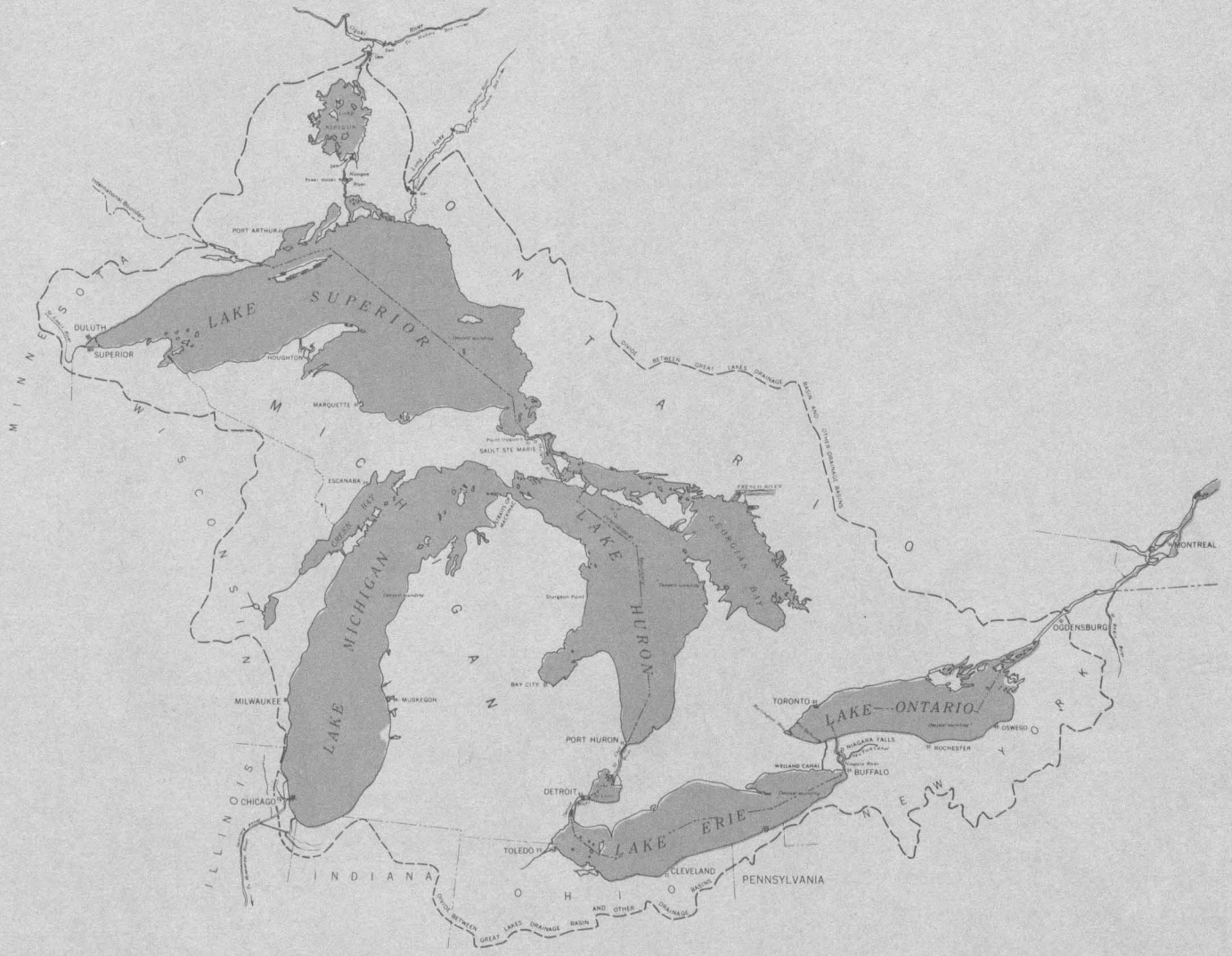
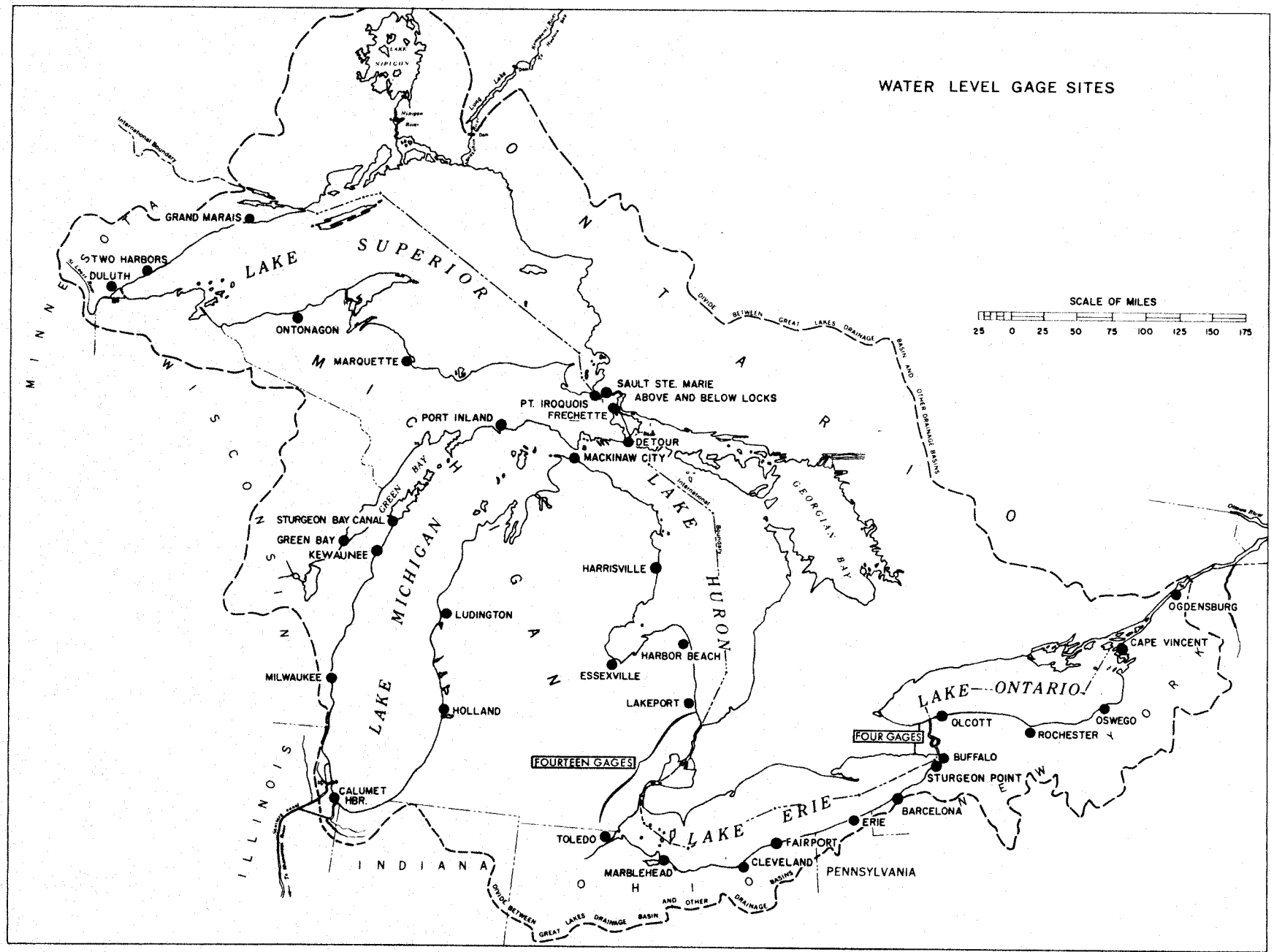
12574

Great Lakes Water Levels, 1982

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



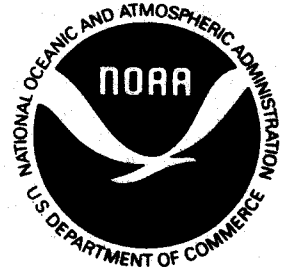

WATER LEVEL GAGE SITES
SCALE OF MILES
25 0 25 50 75 100 125 150 175
LAKE SUPERIOR
LAKE MICHIGAN
LAKE HURON
LAKE ERIE
LAKE ONTARIO
GEORGIAN BAY
GREEN BAY
MINNESOTA
WISCONSIN
ILLINOIS
INDIANA
OHIO
PENNSYLVANIA
NEW YORK
ONTARIO
GRAND MARAIS
TWO HARBORS
DULUTH
ONTONAGON
MARQUETTE
SAULT STE. MARIE
ABOVE AND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

A-5772

GREAT LAKES WATER LEVELS

1982

Daily and Monthly Average Water Surface Elevations



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

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

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

A separate publication, printed every five years, shows monthly and annual averages and highest and lowest monthly averages for the period of record (latest issue: Great Lakess Water Levels, 1860-1980). A hydrograph depicting master control gage data for each lake is available free of charge by writing: Distribution Division, N/CG33, National Ocean Service, Riverdale, Maryland 20840.

DATUM OF REFERENCE: All tabulated elevations are referred to the International Great Lakes Datum (1955). An explanation of the datum can be obtained by writing: National Ocean Service, N/OMS124, 6001 Executive Boulevard, Rockville, Maryland 20852.

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STATION NUMBER AND LOCATION	LATITUDE NORTH	LONGITUDE WEST	PAGE FEET	PAGE METERS
ST. LAWRENCE RIVER				
1030 Ogdensburg, New York	44 42 10	75 29 40	1	115
2000 Cape Vincent, New York	44 07 45	76 20 15	3	117
LAKE ONTARIO (CHART DATUM 242.8)				
2030 OSWEGO, NEW YORK	43 27 51	76 30 42	5	119
2058 Rochester, New York	43 16 10	77 37 34	7	121
2076 Olcott, New York	43 20 17	78 43 39	9	123
NIAGARA RIVER				
3007 Ashland Avenue, Niagara Falls, New York	43 06 00	79 03 35	11	125
3009 American Falls, Niagara Falls, New York	43 04 54	79 03 42	13	127
3012 Niagara Intake, Niagara Falls, New York	43 04 40	79 00 55	15	129
3117 Ontario Street, Buffalo, New York	42 56 35	78 54 37	17	131
LAKE ERIE (CHART DATUM 568.6)				
3020 Buffalo, New York	42 52 39	78 53 27	19	133
3028 Sturgeon Point, New York	42 41 27	79 02 52	21	135
3032 Barcelona, New York	42 20 35	79 35 50	23	137
3038 Erie, Pennsylvania	42 09 15	80 04 32	25	139
3053 Fairport, Ohio	41 45 00	81 17 00	27	141
3063 CLEVELAND, OHIO	41 32 27	81 38 08	29	143
3079 Marblehead, Ohio	41 32 40	82 43 53	31	145
3085 Toledo, Ohio	41 41 36	83 28 20	33	147
3087 Monroe, Michigan	41 53 54	83 21 42	35	149
3090 Fermi Power Plant, Stony Point, Michigan	41 57 35	83 15 30	37	151

NOTE: Locations shown in CAPITAL letters are master gages.

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STATION NUMBER AND LOCATION	LATITUDE NORTH	LONGITUDE WEST	PAGE FEET	PAGE METERS
DETROIT RIVER				
4020 Gibraltar, Michigan	42 05 30	83 11 10	39	153
4030 Wyandotte, Michigan	42 12 12	83 08 50	41	155
4036 Fort Wayne, Detroit, Michigan	42 17 53	83 05 34	43	157
4049 Windmill Point, Detroit, Michigan	42 21 26	82 55 45	45	159
LAKE ST. CLAIR (CHART DATUM 571.7)				
4052 ST. CLAIR SHORES, MICHIGAN	42 28 24	82 52 45	47	161
ST. CLAIR RIVER				
4070 Algonac, Michigan	42 37 15	82 31 37	49	163
4080 St. Clair S.P., St. Clair, Michigan	42 48 45	82 29 09	51	165
4084 Marysville, Michigan	42 54 22	82 27 58	53	167
4087 Dry Dock, Port Huron, Michigan	42 56 43	82 26 37	55	169
4090 Mouth of the Black River, Port Huron, MI	42 58 25	82 25 16	57	171
4096 Dunn Paper Company, Port Huron, MI	43 00 12	82 25 20	59	173
4098 Fort Gratiot, Port Huron, MI	43 00 23	82 25 21	61	175
LAKE HURON (CHART DATUM 576.8)				
5002 Lakeport, Michigan	43 08 30	82 29 35	63	177
5014 HARBOR BEACH, MICHIGAN	43 50 45	82 38 38	65	179
5035 Essexville, Michigan	43 38 29	83 50 48	67	181
5059 Harrisville, Michigan	44 39 34	83 17 11	69	183
5080 Mackinaw City, Michigan	45 46 40	84 43 10	71	185
5099 DeTour Village, Michigan	45 59 30	83 53 48	73	187

NOTE: Locations shown in CAPITAL letters are master gages.

TABLE OF CONTENTS

STATION NUMBER AND LOCATION	LATITUDE NORTH	LONGITUDE WEST	PAGE FEET	PAGE METERS
ST. MARY'S RIVER				
6050 Frechette Point, Michigan	46 27 40	84 17 10	75	189
6060 U.S. Slip below locks, Sault Ste. Marie, MI	46 30 03	84 20 24	77	191
6070 S.W. Pier above locks, Sault Ste. Marie, MI	46 30 05	84 22 21	79	193
LAKE MICHIGAN (CHART DATUM 576.8)				
7023 Ludington, Michigan	43 56 48	86 26 30	81	195
7031 Holland, Michigan	42 46 05	86 12 06	83	197
7044 Calumet Harbor, S. Chicago, Illinois	41 43 48	87 32 18	85	199
7057 Milwaukee, Wisconsin	43 00 05	87 53 13	87	201
7068 Kewaunee, Wisconsin	44 27 48	87 30 00	89	203
7072 Sturgeon Bay Canal, Wisconsin	44 47 40	87 18 48	91	205
7079 Green Bay, Wisconsin	44 32 27	88 00 30	93	207
7096 Port Inland, Michigan	45 58 10	85 52 20	95	209
LAKE SUPERIOR (CHART DATUM 600.0)				
9004 POINT IROQUOIS, Michigan	46 29 06	84 37 52	97	211
9018 Marquette C.G., Michigan	46 32 42	87 22 42	99	213
9044 Ontonagon, Michigan	46 52 40	89 19 15	101	215
9064 Duluth, Minnesota	46 46 32	92 05 34	103	217
9070 Two Harbors, Minnesota	47 01 03	91 40 30	105	219
9090 Grand Marais, Minnesota	47 44 53	90 20 30	107	221
Lake Ontario Stages at Oswego, New York			108	222
Lake Erie Stages at Cleveland, Ohio			109	223
Lake St. Clair Stages at St. Clair Shores, Michigan			110	224
Lakes Huron-Michigan Stages at Harbor Beach, Michigan			111	225
Lake Superior Stages at Marquette, Michigan			112	226

NOTE: Locations shown in CAPITAL letters are master gages.

ANNUAL SUMMARY OF LEVELS, 1982

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

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	244.77	Jun	243.06	Feb
Daily mean elevation:	245.14	23 Apr	242.63	18 Dec
Instant/hourly Elevation:	245.49	1300/4 Apr	242.19	0600/3 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
244.18	11 Jan
243.49	7 Feb
244.00	31 Mar
245.14	23 Apr
244.75	1 May
245.00	20 Jun
245.03	2 Jul
244.47	1 Aug
244.25	3 Sep
243.76	21 Oct
243.98	6 Nov
244.02	29 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
242.63	3 Jan
242.74	17 Feb
242.70	4 Mar
243.88	6 Apr
244.35	23 May
244.32	6 Jun
244.27	23 Jul
243.88	25 Aug
243.24	15 Sep
242.82	10 Oct
242.85	1 Nov
242.63	18 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
245.00				3		•	1						245.00	4
244.80				2		13	5						244.80	24
244.60				3	4	14	13						244.60	58
244.40				10	25	2	4	1					244.40	100
244.20				10	2	1	8	5	1				244.20	127
244.00	1			1				21	1			1	244.00	152
243.80			5	1				4	3		1		243.80	166
243.60	4		2						6	1		1	243.60	180
243.40	10	1	3						12	3	5	3	243.40	217
243.20	10	6	2						7	14	5	4	243.20	265
243.00	2	8	3							6	11	8	243.00	303
242.80	2	10	13							7	8	11	242.80	354
242.60	2	3	3									3	242.60	365

INTERNATIONAL
GREAT LAKES
DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	243.26	243.35	242.83	244.39	244.75	244.66	244.90	244.47	243.67	243.50	242.85	243.01
2	242.80	243.19	242.96	244.24	244.67	244.81	245.03	244.14	243.91	243.31	242.88	242.92
3	242.63	243.19	242.82	244.33	244.62	244.61	244.76	244.18	244.25	243.38	243.03	243.05
4	242.81	243.26	242.70	245.12	244.55	244.50	244.76	244.16	244.08	243.28	243.10	243.17
5	243.58	243.17	242.97	244.48	244.53	244.41	244.74	244.16	244.00	243.25	243.55	242.88
6	243.23	243.37	242.82	243.88	244.48	244.32	244.77	244.17	243.81	243.28	243.98	243.36
7	243.45	243.49	242.87	244.08	244.50	244.61	244.87	244.19	243.55	243.08	243.59	243.40
8	243.50	243.37	242.93	244.25	244.56	244.74	244.88	244*14	243.65	243.29	243.54	243.04
9	243.54	243.16	242.76	244.33	244.60	244.76	244.90	244.24	243.78	242.86	243.15	242.86
10	243.78	243.28	242.78	244.44	244.55	244.74	244.71	244.33	243.79	242.82	243.03	243.20
11	244.18	243.23	242.81	244.32	244.52	244.89	244.71	244.29	243.67	243.12	243.29	243.09
12	243.52	243.14	242.85	244.30	244.49	244.77	245.00	244.15	243.59	243.32	243.49	242.83
13	243.37	243.09	242.89	244.48	244.46	244.77	244.76	244.11	243.54	243.27	243.39	242.85
14	243.41	243.04	243.12	244.45	244.44	244.83	244.65	244.17	243.56	243.42	243.03	243.08
15	243.54	243.06	242.98	244.27	244.47	244.73	244.63	244.13	243.24	243.57	243.31	242.93
16	243.74	242.96	242.86	244.30	244.57	244.97	244.61	244.17	243.57	243.36	243.23	242.88
17	243.65	242.74	242.98	244.41	244.45	244.83	244.62	244.09	243.45	243.33	243.14	242.66
18	243.60	242.77	243.14	244.80	244.44	244.80	244.72	244.06	243.64	243.28	242.90	242.63
19	243.40	242.95	243.24	244.54	244.54	244.77	244.66	244.22	243.48	243.29	242.93	242.84
20	243.42	242.92	243.20	244.54	244.62	245.00	244.34	244.12	243.41	243.37	243.04	242.85
21	243.17	242.82	243.28	245.09	244.42	244.87	244.34	243.93	243.43	243.76	243.12	243.01
22	243.14	242.92	243.53	244.96	244.36	244.84	244.38	244.05	243.28	243.22	242.86	242.95
23	243.31	242.93	243.48	245.14	244.35	244.90	244.27	244.13	243.40	243.19	242.87	242.75
24	243.69	242.77	243.51	244.97	244.44	244.85	244.33	244.00	243.48	243.05	243.12	242.98
25	243.42	242.93	243.62	244.75	244.53	244.95	244.48	243.88	243.38	243.05	243.43	243.21
26	243.39	242.93	243.95	244.57	244.58	244.81	244.42	244.17	243.38	242.96	243.28	243.47
27	243.27	242.95	244.00	244.51	244.48	244.79	244.38	244.24	243.28	243.00	242.99	243.22
28	243.40	242.82	243.98	244.39	244.46	244.79	244.32	244.09	243.42	242.98	242.96	243.60
29	243.40		243.95	244.58	244.52	244.78	244.42	244.13	243.36	242.97	243.13	244.02
30	243.24		243.77	244.70	244.51	244.87	244.34	244.07	243.46	243.05	243.04	243.65
31	243.00		244.00		244.59		244.45	243.89		242.98		243.45
MEAN	243.38	243.06	243.21	244.52	244.52	244.77	244.62	244.14	243.58	243.21	243.18	243.09
MAX.	244.96	243.99	244.44	245.49	244.86	245.32	245.20	244.58	244.61	244.31	244.27	244.79
	0600/11	1100/01	2100/31	1300/04	1700/01	0300/16	1200/12	1600/10	1500/03	0300/21	1000/06	0300/29
MIN.	242.19	242.53	242.47	243.54	244.26	244.18	244.10	243.63	242.92	242.61	242.62	242.44
	0600/03	0700/24	0800/09	0800/06	1500/23	1700/06	1000/28	1100/25	1100/27	2200/09	2400/22	2100/18

ANNUAL MEAN: 243.77

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

ANNUAL SUMMARY OF LEVELS, 1982

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

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	245.70	Jun	243.93	Dec
Daily mean elevation:	245.82	30 Jun	243.42	24 Jan
Instant/hourly Elevation:	246.05	2400/15 Jun	242.24	0100/5 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
244.71	31 Jan
	Feb
	Mar
	Apr
245.51	31 May
245.82	30 Jun
245.81	2 Jul
245.34	1 Aug
244.94	3 Sep
244.35	1 Oct
244.30	6 Nov
244.27	29 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
243.42	24 Jan
	Feb
	Mar
	Apr
245.35	23 May
245.48	5 Jun
245.29	30 Jul
244.81	31 Aug
244.33	26 Sep
243.78	31 Oct
243.73	1 Nov
243.72	17 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
245.80						2	2						245.80	4
245.60						22	12						245.60	38
245.40					15	5	10						245.40	68
245.20					3		7	2					245.20	80
245.00								16					245.00	96
244.80								12	3				244.80	111
244.60	1								5				244.60	117
244.40	2								5				244.40	124
244.20	5								12	8	2	2	244.20	153
244.00	13									14	7	6	244.00	193
243.80	4									8	19	16	243.80	240
243.60	4									1	2	6	243.60	253
243.40	2												243.40	255

INTERNATIONAL
GREAT LAKES
DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	244.04	/	/	/	/	245.54	245.81	245.34*	244.74	244.35	243.73	243.90
2	244.45	/	/	/	/	245.61	245.81	/	244.84	244.27	243.81	243.83
3	244.38	/	/	/	/	245.53	245.73	245.18*	244.94	244.30	243.89	243.93
4	243.60	/	/	/	/	245.49	245.73	245.21	244.83	244.23	243.95	243.95
5	243.70	/	/	/	/	245.48	245.72	245.19	244.78	244.22	244.22	243.86
6	244.13	/	/	/	/	245.55	245.72	245.15	244.69	244.19	244.30	244.04
7	244.14	/	/	/	/	245.65	245.72	245.14	244.59	244.15	244.08	244.04
8	244.12	/	/	/	/	245.67	245.74	245.12	244.62	244.25	244.09	243.91
9	244.08	/	/	/	/	245.69	245.71	245.17	244.62	244.04	243.92	243.83
10	243.74	/	/	/	/	245.66	245.63	245.18	244.60	244.01	243.88	244.10
11	243.75	/	/	/	/	245.77	245.64	245.12	244.57*	244.14	244.05	243.93
12	244.13	/	/	/	/	245.70	245.72	245.09	/	244.18	244.09	243.80
13	244.19	/	/	/	/	245.71	245.66	245.09	/	244.12	244.03	243.86
14	244.16	/	/	/	245.45*	245.76	245.60	245.09	/	244.21	243.94	243.89
15	244.10	/	/	/	245.44	245.71	245.61	245.04	/	244.25	244.05	243.80
16	243.86	/	/	/	245.45	245.81	245.58	245.03	/	244.16	243.99	243.87
17	243.99	/	/	/	245.42	245.78	245.59	245.01	244.40*	244.15	243.92	243.72
18	244.14	/	/	/	245.41	245.74	245.60	244.97	244.50	244.11	243.82	243.73
19	244.16	/	/	/	245.44	245.78	245.60	245.00	244.36	244.09	243.84	243.86
20	244.29	/	/	/	245.47	245.79	245.48	244.96	244.38	244.17	243.91	243.86
21	244.21	/	/	/	245.42	245.73*	245.48	244.89	244.37	244.20	243.93	243.89
22	243.96	/	/	/	245.36	/	245.50	244.92	244.34	244.02	243.79	243.80
23	243.62	/	/	/	245.35	245.78*	245.43	244.94	244.44	244.00	243.84	243.77
24	243.42	/	/	/	245.42	245.78	245.39	244.87*	244.38	243.93	244.00	243.92
25	243.99	/	/	/	245.46	245.77	245.43	245.03*	244.36	243.91	244.06	243.90*
26	244.19	/	/	/	245.43	245.76	245.39	245.00	244.33	243.87	243.99	/
27	244.29	/	/	/	245.39	245.74	245.33	245.04	244.35	243.86	243.82	244.03*
28	244.10	/	/	/	245.42	245.73	245.34	244.97	244.37	243.82	243.85	244.22
29	244.31		/	/	245.47	245.78	245.34	244.96	244.35	243.83	244.00	244.27
30	244.42		/	/	245.47	245.82	245.29	244.92	244.36	243.82	243.87	244.18*
31	244.71		/		245.51		245.37	244.81		243.78		244.08
MEAN	244.08	/	/	/	245.43	245.70	245.57	245.05	244.52	244.08	243.96	243.93
MAX.	244.99				245.67	246.05	245.95	245.38	245.12	244.71	244.72	244.99
	1800/31				0800/20	2400/15	1700/17	0300/01	1200/03	0100/21	2200/12	2400/28
MIN.	242.24				245.29	245.40	245.18	244.68	243.99	243.71	243.63	243.55
	0100/05				0400/23	1500/06	0600/28	2400/31	0700/27	0200/31	1600/01	1800/18

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

ANNUAL MEAN: 244.70

ANNUAL SUMMARY OF LEVELS, 1982
Station 2030: Oswego, New York on Lake Ontario

INTERNATIONAL GREAT LAKES DATUM (1955)

HIGHEST

Monthly mean elevation:	245.75	Jun
Daily mean elevation:	245.90	1 Jul
Instant/hourly Elevation:	245.97	0500/1 Jul

LOWEST

Monthly mean elevation:	244.02	Dec
Daily mean elevation:	243.83	20 Nov
Instant/hourly Elevation:	243.43	1200/23 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
244.51	24 Jan
244.47	6 Feb
244.87	27 Mar
245.56	30 Apr
245.62	9 May
245.90	30 Jun
245.90	1 Jul
245.35	1 Aug
244.92	3 Sep
244.42	1 Oct
244.21	13 Nov
244.30	29 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
243.96	3 Jan
244.04	28 Feb
243.91	4 Mar
244.89	3 Apr
245.42	23 May
245.53	1 Jun
245.36	30 Jul
244.88	23 Aug
244.37	30 Sep
243.84	31 Oct
243.83	20 Nov
243.84	19 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
245.80						8	5						245.80	13
245.60					2	20	14						245.60	49
245.40				11	29	2	9						245.40	100
245.20				7			3	8					245.20	118
245.00				9				17					245.00	144
244.80			2	3				6	4				244.80	159
244.60			4						6				244.60	169
244.40	2	4	4						16	1			244.40	196
244.20	17	11	6						4	13	1	2	244.20	250
244.00	11	13	12							11	14	13	244.00	324
243.80	1		3							6	15	16	243.80	365

INTERNATIONAL
GREAT LAKES
DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

Station 2030: Oswego, New York on Lake Ontario

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	244.24	244.47	244.03	244.96	245.56	245.53	245.90	245.35	244.79	244.42	243.89	243.94
2	244.14	244.22	244.19	244.90	245.55	245.61	245.87	245.33	244.85	244.33	243.94	243.93
3	243.96	244.26	244.04	244.89	245.54	245.62	245.86	245.30	244.92	244.30	243.96	243.93
4	244.06	244.37	243.91	245.41	245.55	245.59	245.83	245.28	244.89	244.35	244.09	244.03
5	244.36	244.30	244.17	245.14	245.52	245.61	245.81	245.28	244.80	244.30	244.19	243.97
6	244.10	244.47	244.04	245.20	245.49	245.71	245.77	245.23	244.81	244.29	244.18	244.07
7	244.24	244.43	244.13	245.36	245.51	245.72	245.74	245.18	244.69	244.26	244.07	244.12
8	244.25	244.34	244.12	245.26	245.58	245.72	245.77	245.13	244.64	244.33	244.10	244.06
9	244.32	244.31	244.01	245.16	245.62	245.72	245.75	245.15	244.63	244.30	244.10	244.08
10	244.36	244.41	243.97	245.17	245.61	245.68	245.73	245.23	244.62	244.15	243.98	243.93
11	244.34	244.29	243.99	245.15	245.55	245.76	245.64	245.23	244.59	244.11	243.90	244.06
12	244.20	244.26	244.03	245.16	245.55	245.72	245.70	245.19	244.54	244.18	244.01	244.02
13	244.16	244.25	244.05	245.16	245.54	245.70	245.72	245.14	244.51	244.17	244.21	243.91
14	244.24	244.21	244.23	245.24	245.55	245.75	245.69	245.11	244.51	244.24	244.02	243.88
15	244.31	244.16	244.13	245.19	245.54	245.74	245.66	245.08	244.55	244.36	244.17	243.86
16	244.39	244.20	244.05	245.17	245.51	245.79	245.62	245.03	244.55	244.37	243.98	244.04
17	244.51	244.08	244.24	245.25	245.52	245.79	245.60	245.07	244.48	244.29	243.99	244.00
18	244.26	244.04	244.26	245.36	245.50	245.78	245.61	245.03	244.56	244.15	243.93	243.84
19	244.20	244.15	244.35	245.27	245.48	245.78	245.63	244.98	244.48	244.10	243.88	243.84
20	244.33	244.15	244.33	245.34	245.52	245.77	245.63	245.06	244.42	244.08	243.83	243.99
21	244.22	244.17	244.40	245.49	245.52	245.80	245.57	245.02	244.43	244.28	243.94	244.09
22	244.11	244.20	244.53	245.51	245.46	245.81	245.57	244.95	244.41	244.14	243.97	243.98
23	244.11	244.19	244.48	245.49	245.42	245.86	245.53	244.88	244.50	244.14	243.94	243.91
24	244.51	244.13	244.49	245.47	245.48	245.82	245.47	244.89	244.46	244.03	244.20	243.93
25	244.34	244.22	244.57	245.49	245.50	245.80	245.45	245.06	244.41	244.01	244.06	243.97
26	244.32	244.18	244.81	245.50	245.48	245.86	245.47	245.09	244.37	243.99	244.03	244.18
27	244.16	244.13	244.87	245.56	245.46	245.83	245.40	245.06	244.39	243.95	244.02	244.05
28	244.25	244.04	244.75	245.56	245.46	245.81	245.47	245.11	244.46	243.91	243.87	244.13
29	244.32		244.67	245.54	245.52	245.87	245.45	245.02	244.40	243.87	244.02	244.30
30	244.18		244.64	245.56	245.53	245.90	245.36	244.90	244.37	243.90	243.98	244.26
31	244.15		244.79		245.52		245.37	244.90		243.84		244.18
MEAN	244.25	244.24	244.30	245.30	245.52	245.75	245.63	245.11	244.57	244.17	244.02	244.02
MAX.	244.95	244.80	245.55	245.65	245.71	245.97	245.97	245.56	245.18	244.54	244.52	244.62
	0600/05	0600/01	1700/31	1100/27	2200/08	0300/30	0500/01	1000/25	2400/02	1400/15	2000/12	2300/28
MIN.	243.43	243.87	243.72	244.48	245.31	245.36	245.24	244.68	244.17	243.67	243.70	243.70
	1200/23	2000/28	0400/09	1400/03	0800/20	1500/01	1100/28	0100/25	0100/18	0400/31	1400/28	2100/18

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

ANNUAL MEAN: 244.74

ANNUAL SUMMARY OF LEVELS, 1982
Station 2058: Rochester, New York on Lake Ontario

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	245.81	Jun	244.02	Nov
Daily mean elevation:	245.93	3 Jul	243.90	30 Oct
Instant/hourly Elevation:	246.07	2400/16 Jun	243.62	1600/12 Nov

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
244.38	25 Jan
244.37	5 Feb
244.78	27 Mar
245.62	28 Apr
245.65	9 May
245.91	30 Jun
245.93	3 Jul
245.40	2 Aug
244.87	4 Sep
244.47	1 Oct
244.15	13 Nov
244.22	30 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
244.02	4 Jan
244.12	28 Feb
244.02	4 Mar
244.89	1 Apr
245.53	26 May
245.62	1 Jun
245.35	31 Jul
244.87	23 Aug
244.43	26 Sep
243.90	30 Oct
243.93	20 Nov
243.92	15 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
245.80						18	8						245.80	26
245.60				2	6	12	12						245.60	58
245.40				8	25		9						245.40	100
245.20				12			2	10					245.20	124
245.00				5				15					245.00	144
244.80				3				6	6				244.80	159
244.60			7						5				244.60	171
244.40			4						19	3			244.40	197
244.20	21	21	4							14		3	244.20	260
244.00	10	7	16							7	15	19	244.00	334
243.80										7	15	9	243.80	365

INTERNATIONAL
GREAT LAKES
DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

Station 2058: Rochester, New York on Lake Ontario

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	244.15	244.28	244.08	244.89	245.59	245.62	245.93	245.38	244.82	244.47	243.94	243.99
2	244.18	244.31	244.13	244.95	245.61	245.64	245.91	245.40	244.83	244.45	243.96	243.98
3	244.05	244.36	244.10	244.97	245.63	245.66	245.93	245.32	244.82	244.40	243.98	243.97
4	244.02	244.35	244.02	245.10	245.62	245.65	245.88	245.31	244.87	244.41	244.07	244.02
5	244.18	244.37	244.07	245.21	245.58	245.68	245.87	245.29	244.82	244.36	244.03	244.04
6	244.15	244.34	244.11	245.29	245.57	245.75	245.82	245.25	244.81	244.33	244.07	244.03
7	244.19	244.30	244.11	245.24	245.58	245.75	245.79	245.22	244.76	244.33	244.07	244.07
8	244.18	244.31	244.08	245.21	245.60	245.76	245.84	245.17	244.69	244.37	244.10	244.05
9	244.23	244.34	244.03	245.16	245.65	245.77	245.80	245.19	244.66	244.39	244.11	244.11
10	244.20	244.31	244.06	245.16	245.63	245.77	245.80	245.26	244.65	244.25	244.07	243.97
11	244.24	244.25	244.04	245.19	245.62	245.80	245.72	245.28	244.61	244.22	243.98	244.03
12	244.26	244.27	244.10	245.23	245.59	245.80	245.73	245.22	244.60	244.22	244.00	244.05
13	244.24	244.28	244.05	245.17	245.60	245.83	245.81	245.15	244.58	244.24	244.15	243.98
14	244.30	244.27	244.17	245.26	245.58	245.82	245.76	245.12	244.57	244.27	244.06	243.92
15	244.26	244.22	244.18	245.27	245.57	245.84	245.69	245.09	244.59	244.31	244.06	243.92
16	244.22	244.24	244.14	245.27	245.55	245.85	245.66	245.05	244.56	244.37	244.01	244.03
17	244.26	244.21	244.28	245.28	245.54	245.86	245.66	245.08	244.54	244.28	244.02	244.05
18	244.26	244.15	244.30	245.34	245.55	245.86	245.68	245.06	244.56	244.17	244.02	243.94
19	244.30	244.16	244.34	245.35	245.53	245.83	245.69	245.01	244.54	244.14	243.96	243.94
20	244.28	244.18	244.38	245.40	245.55	245.84	245.67	245.10	244.49	244.10	243.93	244.02
21	244.31	244.22	244.42	245.46	245.57	245.86	245.57	245.03	244.48	244.15	243.96	244.07
22	244.24	244.23	244.49	245.52	245.57	245.89	245.57	244.91	244.47	244.18	244.00	244.05
23	244.15	244.22	244.54	245.51	245.56	245.89	245.56	244.87	244.47	244.11	243.97	244.02
24	244.22	244.25	244.55	245.55	245.56	245.89	245.50	244.93	244.49	244.06	244.05	244.02
25	244.38	244.20	244.62	245.57	245.54	245.87	245.44	245.05	244.48	244.00	243.99	244.05
26	244.36	244.15	244.70	245.57	245.53	245.90	245.51	245.06	244.43	243.99	244.00	244.14
27	244.29	244.13	244.78	245.61	245.55	245.87	245.47	245.05	244.48	243.97	244.04	244.11
28	244.23	244.12	244.74	245.62	245.57	245.86	245.44	245.08	244.50	243.95	243.97	244.15
29	244.27		244.71	245.59	245.60	245.91	245.44	245.00	244.45	243.94	243.98	244.21
30	244.26		244.73	245.59	245.59	245.91	245.39	244.92	244.44	243.90	244.00	244.22
31	244.36		244.75		245.60		245.35	244.88		243.93		244.21
MEAN	244.23	244.25	244.32	245.32	245.58	245.81	245.67	245.12	244.60	244.20	244.02	244.04
MAX.	244.59	244.67	245.12	245.72	245.79	246.07	246.04	245.55	245.16	244.64	244.30	244.45
	1500/23	1300/05	2100/31	2300/27	2300/19	2400/16	1700/05	1100/02	2200/02	2000/01	2000/04	0400/09
MIN.	243.75	243.89	243.88	244.63	245.28	245.49	245.28	244.71	244.34	243.74	243.62	243.71
	1000/04	0300/01	0400/05	0300/01	0100/20	1100/01	0800/31	1600/31	2400/26	1400/30	1600/12	0300/06

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

ANNUAL MEAN: 244.76

ANNUAL SUMMARY OF LEVELS, 1982
Station 2076: Olcott, New York on Lake Ontario

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	245.85	Jun	244.06	Nov
Daily mean elevation:	245.96	3 Jul	243.98	29 Nov
Instant/hourly Elevation:	246.12	2200/15 Jun	243.68	1800/4 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
244.49	31 Jan
244.45	2 Feb
244.87	30 Mar
245.64	28 Apr
245.68	28 May
245.95	30 Jun
245.96	3 Jul
245.42	2 Aug
244.89	1 Sep
244.52	2 Oct
244.13	14 Nov
244.27	31 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
244.06	10 Jan
244.14	26 Feb
244.05	5 Mar
244.87	1 Apr
245.59	20 May
245.67	2 Jun
245.38	31 Jul
244.91	31 Aug
244.48	23 Sep
244.00	31 Oct
243.98	29 Nov
243.99	14 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
245.80						23	12						245.80	35
245.60				6	27	7	8						245.60	83
245.40				6	4		8	1					245.40	102
245.20				9			3	10					245.20	124
245.00				7				11					245.00	142
244.80			1	2				9	6				244.80	160
244.60			7						9				244.60	176
244.40	2	2	5						15	9			244.40	209
244.20	19	21	4							10		3	244.20	266
244.00	10	5	14							11	26	26	244.00	358
243.80										1	4	2	243.80	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

Station 2076: Olcott, New York on Lake Ontario

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	244.15	244.25	244.14	244.87	245.61	245.67	245.95	245.39	244.89	244.52	244.00	244.06
2	244.27	244.45	244.11	245.01	245.63	245.67	245.93	245.42	244.82	244.52	244.04	244.08
3	244.23	244.39	244.13	245.11	245.62	245.70	245.96	245.35	244.83	244.44	244.02	244.10
4	244.14	244.39	244.20	244.97	245.64	245.70	245.92	245.32	244.84	244.46	244.04	244.06
5	244.13	244.44	244.05	245.20	245.67	245.72	245.91	245.30	244.84	244.42	244.07	244.16
6	244.24	244.29	244.18	245.24	245.67	245.78	245.91	245.32	244.82	244.42	244.01	244.08
7	244.17	244.20	244.07	245.14	245.64	245.78	245.89	245.30	244.76	244.42	244.09	244.08
8	244.17	244.30	244.09	245.17	245.64	245.82	245.89	245.31	244.71	244.44	244.08	244.12
9	244.22	244.36	244.14	245.19	245.66	245.82	245.85	245.31	244.68	244.46	244.12	244.12
10	244.06	244.25	244.18	245.17	245.66	245.89	245.84	245.28	244.67	244.40	244.13	244.05
11	244.13	244.24	244.16	245.23	245.68	245.86	245.81	245.26	244.67	244.34	244.07	244.05
12	244.31	244.31	244.17	245.26	245.67	245.89	245.83	245.18	244.64	244.36	244.09	244.06
13	244.37	244.30	244.13	245.27	245.68	245.90	245.79	245.15	244.64	244.40	244.09	244.01
14	244.33	244.32	244.12	245.27	245.64	245.86	245.76	245.11	244.62	244.31	244.13	243.99
15	244.27	244.28	244.26	245.34	245.64	245.91	245.70	245.08	244.62	244.33	244.03	244.00
16	244.14	244.30	244.39	245.35	245.60	245.87	245.70	245.04	244.55	244.31	244.04	244.04
17	244.19	244.36	244.37	245.32	245.60	245.90	245.70	245.05	244.60	244.24	244.08	244.10
18	244.32	244.32	244.40	245.31	245.60	245.90	245.72	245.02	244.54	244.23	244.11	244.13
19	244.39	244.23	244.41	245.41	245.61	245.86	245.70	245.02	244.58	244.21	244.08	244.10
20	244.36	244.29	244.49	245.45	245.59	245.87	245.65	245.07	244.54	244.18	244.10	244.08
21	244.38	244.31	244.47	245.43	245.64	245.90	245.58	244.96	244.52	244.15	244.06	244.05
22	244.41	244.24	244.48	245.49	245.67	245.93	245.58	244.91	244.48	244.17	244.08	244.09
23	244.33	244.26	244.58	245.50	245.68	245.88	245.56	244.94	244.48	244.11	244.06	244.13
24	244.19	244.27	244.64	245.58	245.64	245.89	245.52	244.93	244.54	244.11	243.99	244.12
25	244.36	244.18	244.64	245.64	245.61	245.91	245.50	244.98	244.52	244.08	243.98	244.15
26	244.35	244.14	244.61	245.62	245.62	245.93	245.49	245.03	244.51	244.04	244.02	244.10
27	244.39	244.17	244.67	245.63	245.64	245.92	245.49	245.02	244.55	244.03	244.05	244.24
28	244.24	244.20	244.73	245.64	245.68	245.90	245.40	245.00	244.54	244.02	244.03	244.19
29	244.25		244.76	245.63	245.66	245.92	245.39	244.93	244.54	244.02	243.98	244.16
30	244.33		244.87	245.62	245.65	245.95	245.43	244.92	244.54	244.01	244.06	244.22
31	244.49		244.79		245.66		245.38	244.91		244.00		244.27
MEAN	244.27	244.29	244.37	245.34	245.64	245.85	245.70	245.12	244.64	244.26	244.06	244.10
MAX.	244.79	244.61	245.15	245.77	245.85	246.12	246.06	245.59	244.99	244.63	244.30	244.39
	2200/31	0900/05	0500/31	1800/25	1600/28	2200/15	1100/03	1500/03	2300/02	2100/01	1600/10	1100/27
MIN.	243.68	243.93	243.79	244.75	245.40	245.49	245.29	244.75	244.40	243.81	243.80	243.80
	1800/04	0700/01	0600/05	1000/01	0600/20	1900/01	1200/29	2400/31	2100/26	1400/31	0500/25	0800/04

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

/ Indicates No Data.

ANNUAL MEAN: 244.80

ANNUAL SUMMARY OF LEVELS, 1982

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

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	324.06	Jun	318.15	Feb
Daily mean elevation:	328.91	4 Apr	314.49	10 Nov
Instant/hourly Elevation:	336.13	1400/4 Apr	313.86	0400/9 Nov

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
326.90	24 Jan
322.75	7 Feb
321.96	14 Mar
328.91	4 Apr
324.13	17 May
325.00	21 Jun
324.04	2 Jul
323.30	9 Aug
322.58	3 Sep
323.39	15 Oct
322.14	5 Nov
324.93	29 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
315.95	31 Jan
316.31	24 Feb
317.21	3 Mar
321.24	6 Apr
321.95	22 May
322.79	27 Jun
321.40	24 Jul
321.42	28 Aug
320.58	17 Sep
320.39	10 Oct
314.49	10 Nov
316.97	18 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
328.50				1									328.50	1
328.00													328.00	1
327.50													327.50	1
327.00													327.00	1
326.50	1												326.50	2
326.00													326.00	2
325.50				1									325.50	3
325.00													325.00	3
324.50				4		8						1	324.50	16
324.00				7	3	11	1						324.00	38
323.50				7	16	5	1						323.50	67
323.00				3	4	4	3	4		2			323.00	87
322.50		1		2	5	2	7	4	1	1			322.50	110
322.00				3	2		5	12	3		1	2	322.00	138
321.50			5		1		12	9	13	2	1		321.50	181
321.00		1	1	2			2	2	4	4	1	3	321.00	201
320.50	1		4						9	21	2	4	320.50	242
320.00	1		7							1	3	2	320.00	256
319.50		1	2								2	3	319.50	264
319.00		4	2								3	5	319.00	278
318.50		1										2	318.50	281
318.00	3	4	3								2	4	318.00	297
317.50	2	5	4								2	2	317.50	312
317.00	1	5	3								4	2	317.00	327
316.50	2	5									3	1	316.50	338
316.00	1	1									1		316.00	341
315.50	1										4		315.50	346
315.00													315.00	346
314.50													314.50	346
314.00											1		314.00	347

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	/	321.22	318.18	325.65	322.36	324.32	323.82	322.03	321.66	320.87	317.85	318.26
2	/	317.32	317.90	323.97	322.57	324.17	324.04	323.04	322.15	320.61	316.35	319.14
3	/	317.39	317.21	324.67	323.89	323.11	322.81	322.02	322.58	321.39	316.98	319.20
4	/	317.59	317.42	328.91	323.95	323.18	322.88	322.84	321.55	321.40	318.18	317.31
5	/	317.43	320.44	324.96	322.60	322.83	322.05	322.14	321.64	320.99	322.14	317.27
6	/	319.40	317.74	321.24	322.79	323.33	322.89	321.54	321.60	321.19	322.00	321.25
7	/	322.75	318.19	322.04	322.97	324.34	323.22	321.46	321.45	320.98	319.09	321.10
8	/	319.87	317.99	321.38	322.91	324.36	323.13	321.70	321.59	320.93	319.64	318.28
9	/	319.38	320.46	322.37	323.42	324.20	322.96	323.30	321.68	320.66	316.73	317.59
10	/	317.68	317.57	322.79	323.97	324.58	321.97	322.52	321.65	320.39	314.49	319.78
11	/	318.47	317.32	323.86	324.00	324.54	321.79	322.16	321.56	321.35	317.29	318.09
12	/	319.31	318.01	323.07	323.93	324.00	323.23	321.61	321.56	321.51	320.35	317.66
13	/	319.22	320.47	324.13	323.70	323.71	321.80	322.07	321.60	320.59	320.70	319.39
14	/	318.62	321.96	323.61	323.64	324.51	321.43	321.77	321.56	321.96	318.36	320.91
15	/	318.03	320.25	324.06	323.61	324.51	321.60	322.10	321.52	323.39	320.62	318.86
16	/	318.13	319.27	324.12	323.83	324.75	321.52	322.82	320.58	320.65	319.24	319.27
17	/	316.88	320.48	324.47	324.13	324.38	321.71	322.49	320.58	320.69	317.60	318.34
18	/	316.57	319.93	324.83	323.75	324.03	321.75	322.42	320.68	320.74	315.96	316.97
19	318.24*	317.25	319.86	323.96	324.06	324.15	322.85	322.33	321.66	320.82	315.88	319.69
20	317.17	316.99	319.25	324.15	324.12	323.68	321.82	323.18	321.00	322.54	315.62	320.80
21	316.72	316.74	320.44	324.73	323.40	325.00	322.54	321.71	321.11	323.11	317.16	320.97
22	316.27	316.94	321.80	323.86	321.95	324.71	321.98	322.72	320.68	320.56	315.60	319.94
23	320.77	317.08	320.78	324.12	322.38	324.68	321.75	323.10	322.37	320.65	316.77	319.24
24	326.90	316.31	320.53	323.90	323.88	324.50	321.40	322.12	322.15	320.62	319.33	318.98
25	320.15	317.94	320.70	323.03	323.84	324.36	321.85	322.46	320.89	320.68	321.06	320.05
26	318.11	318.14	321.83	323.86	323.80	323.16	322.67	322.19	320.60	320.66	320.10	321.26
27	317.69	317.72	321.75	324.26	323.70	322.79	321.67	321.81	320.77	320.72	317.39	320.06
28	318.28	317.70	321.07	323.41	323.80	324.10	322.06	321.42	320.82	320.69	317.23	322.19
29	317.56		320.71	322.92	323.54	323.98	322.45	321.56	321.12	320.81	320.37	324.93
30	316.93		320.41	322.37	323.43	323.92	322.18	321.53	321.41	320.96	319.72	322.30
31	315.95		321.59		323.26		322.24	321.72		320.84		320.75
MEAN	318.52	318.15	319.73	323.82	323.46	324.06	322.32	322.19	321.39	321.10	318.33	319.67
MAX.	331.73	328.93	326.27	336.13	328.18	328.64	328.17	328.47	327.82	328.74	329.11	335.57
	2200/23	1700/07	2300/31	1400/04	1900/24	1000/21	1100/02	1100/20	1800/03	1000/15	2300/12	0100/29
MIN.	314.29	315.16	316.39	314.12	314.23	317.05	314.15	314.18	314.14	314.24	313.86	314.96
	1700/31	1000/24	0200/03	0100/08	0500/02	0500/04	0100/13	2400/26	2400/15	2400/26	0400/09	0400/18

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

/ Indicates No Data.

ANNUAL MEAN: 321.06

ANNUAL SUMMARY OF LEVELS, 1982

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

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	558.72	Dec	558.32	Jan
Daily mean elevation:	559.64	29 Dec	557.35	22 Jan
Instant/hourly Elevation:	560.29	2300/20 Oct	556.86	2100/11 May

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
559.43	5 Jan
558.77	26 Feb
559.07	28 Mar
559.18	1 Apr
558.91	8 May
558.83	21 Jun
558.90	31 Jul
558.94	9 Aug
558.95	23 Sep
559.00	20 Oct
559.07	5 Nov
559.64	29 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
557.35	22 Jan
557.92	11 Feb
557.80	4 Mar
557.84	6 Apr
557.88	11 May
558.43	30 Jun
558.28	3 Jul
558.52	27 Aug
558.46	7 Sep
558.54	10 Oct
558.49	21 Nov
558.48	27 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
559.60												1	559.60	1
559.40	1												559.40	2
559.20												1	559.20	3
559.00	2		4	2							2		559.00	13
558.80	2		3	1	4	1	1	4	4	7	1	7	558.80	48
558.60	5	5	8	7	13	14	5	16	24	18	13	10	558.60	186
558.40	4	7	9	11	10	15	18	11	2	6	14	12	558.40	305
558.20	5	10	5	5	2		7						558.20	339
558.00	4	5	1	2	1								558.00	352
557.80	2	1		2	1								557.80	358
557.60	3		1										557.60	362
557.40	1												557.40	363
557.20	2												557.20	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	558.69	558.71	558.51	559.18	558.73	558.76	558.37	558.82	558.61	558.78	558.63	558.58
2	558.45	558.11	558.23	558.61	558.33	558.74	558.45	558.76	558.66	558.69	558.55	558.49
3	558.45	558.21	558.01	558.86	558.45	558.62	558.28	558.63	558.73	558.91	558.72	558.54
4	558.73	558.20	557.80	559.10	558.42	558.67	558.32	558.80	558.66	558.77	558.80	558.57
5	559.43	558.22	558.39	558.50	558.18	558.61	558.38	558.61	558.73	558.94	559.07	558.65
6	558.61	558.55	558.33	557.84	558.58	558.77	558.40	558.57	558.73	558.81	559.05	558.95
7	558.37	558.73	558.41	558.09	558.91	558.75	558.41	558.66	558.46	558.67	558.65	558.91
8	558.97	558.33	558.38	558.40	558.91	558.60	558.49	558.81	558.67	558.75	558.60	558.48
9	559.09	558.44	558.81	558.27	558.72	558.57	558.45	558.94	558.74	558.60	558.55	558.61
10	558.75	558.36	558.54	558.53	558.25	558.51	558.39	558.87	558.70	558.54	558.63	558.58
11	558.88	557.92	558.47	558.70	557.88	558.57	558.42	558.70	558.70	558.84	558.68	558.48
12	558.54	558.10	558.45	558.60	558.74	558.50	558.60	558.64	558.72	558.78	558.50	558.72
13	558.36	558.59	558.71	558.63	558.64	558.60	558.46	558.72	558.71	558.77	558.67	558.83
14	558.23	558.42	559.02	557.94	558.80	558.59	558.50	558.74	558.70	558.74	558.69	558.73
15	558.24	558.56	558.65	558.61	558.42	558.64	558.49	558.69	558.58	558.95	558.70	558.56
16	558.47	558.68	558.49	558.52	558.46	558.68	558.51	558.59	558.64	558.67	558.64	558.83
17	558.71	558.14	558.68	558.53	558.46	558.69	558.55	558.65	558.64	558.67	558.59	558.69
18	558.31	558.26	558.52	558.49	558.46	558.62	558.61	558.54	558.78	558.74	558.59	558.69
19	557.85	558.32	558.59	558.50	558.53	558.60	558.54	558.67	558.65	558.75	558.63	558.65
20	557.68	558.23	558.37	558.61	558.62	558.61	558.46	558.71	558.66	559.00	558.64	558.74
21	557.36	558.36	558.74	558.51	558.57	558.83	558.45	558.54	558.64	558.88	558.49	558.88
22	557.35	558.37	559.07	558.31	558.51	558.57	558.51	558.58	558.73	558.56	558.55	558.53
23	558.17	558.34	558.78	558.47	558.62	558.65	558.40	558.70	558.95	558.63	558.57	558.48
24	559.15	558.05	558.63	558.48	558.78	558.49	558.46	558.52	558.81	558.55	558.60	558.57
25	557.91	558.66	558.69	558.08	558.71	558.50	558.62	558.63	558.72	558.58	558.75	558.65
26	557.53	558.77	559.04	558.69	558.72	558.49	558.54	558.56	558.73	558.58	558.56	558.88
27	557.77	558.60	558.98	558.50	558.74	558.51	558.52	558.52	558.66	558.63	558.50	558.48
28	558.07	558.59	559.07	558.27	558.75	558.61	558.62	558.54	558.82	558.62	558.59	558.99
29	558.12		558.67	558.74	558.88	558.57	558.64	558.58	558.79	558.70	558.91	559.64
30	558.04		558.54	558.34	558.75	558.43	558.66	558.57	558.81	558.70	558.51	559.25
31	557.77		558.85		558.85		558.90	558.62		558.61		558.64
MEAN	558.32	558.39	558.59	558.50	558.59	558.61	558.50	558.66	558.70	558.72	558.65	558.72
MAX.	560.11	559.48	559.52	560.21	559.85	559.37	559.34	559.55	559.45	560.29	559.76	560.17
	2300/08	0700/01	2200/31	2300/03	0700/08	0700/07	0700/31	0600/09	0600/23	2300/20	0100/06	2300/28
MIN.	557.10	557.63	557.44	556.97	556.86	557.48	557.45	557.59	557.56	557.63	558.14	558.14
	0100/23	0100/01	1200/04	2200/24	2100/11	2100/24	2100/04	2100/22	2100/07	2000/31	1300/12	0800/10

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

/ Indicates No Data.

ANNUAL MEAN: 558.58

ANNUAL SUMMARY OF LEVELS, 1982

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

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	561.70	Apr	561.17	Nov
Daily mean elevation:	563.05	11 Jan	559.59	22 Jan
Instant/hourly Elevation:	564.39	0900/11 Jan	558.74	0100/23 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
563.05	11 Jan
562.39	7 Feb
561.88	26 Mar
562.63	4 Apr
561.93	1 May
561.79	21 Jun
561.81	31 Jul
561.82	9 Aug
561.65	23 Sep
561.79	20 Oct
561.78	5 Nov
562.72	29 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
559.59	22 Jan
560.71	24 Feb
560.56	4 Mar
560.70	6 Apr
560.87	10 May
561.34	27 Jun
561.30	1 Jul
561.32	30 Aug
561.18	7 Sep
561.14	10 Oct
560.94	21 Nov
560.94	8 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
563.00	1												563.00	1
562.80	1												562.80	2
562.60				1								1	562.60	4
562.40	2			1									562.40	7
562.20	1	1		2									562.20	11
562.00												1	562.00	12
561.80	3	2	3	6	3		1	1				1	561.80	32
561.60	1	3	3	6	4	2	6	4	1	4	2	2	561.60	70
561.40	4	6	4	8	7	20	20	16	16	7	1	6	561.40	185
561.20	2	3	6	3	9	8	4	10	12	17	4	6	561.20	269
561.00	7	9	8	1	2				1	3	18	12	561.00	330
560.80	2	3	5		5						5	2	560.80	352
560.60	2	1	1	1									560.60	357
560.40	1		1										560.40	359
560.20	2												560.20	361
560.00	1												560.00	362
559.80													559.80	362
559.60													559.60	362
559.40	1												559.40	363

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	561.48	561.90	561.19	562.50*	561.93*	561.60	561.30	561.65	561.36	561.44	561.09	561.11
2	561.05	561.00	560.89	561.52*	/	561.59	561.54	561.66	561.44	561.33	560.98	561.04
3	561.08	561.27	560.78	562.37*	560.99*	561.40	561.33	561.48	561.54	561.60	561.19	561.12
4	561.76	561.17	560.56	562.63*	561.37	561.47	561.43	561.69	561.41	561.43	561.31	561.09
5	562.51	561.03	561.21	561.49*	561.74	561.38	561.42	561.42	561.48	561.62	561.78	561.18
6	561.36	561.42	560.92	560.70	561.89	561.55	561.52	561.34	561.48	561.47	561.74	561.64
7	561.05	562.39	561.03	561.17	561.85	561.61	561.54	561.43	561.18	561.32	561.16	561.56
8	561.89	561.84	561.05	561.64	561.23	561.44	561.66	561.59	561.40	561.38	561.14	560.94
9	561.98	561.60	561.56	561.81	561.11	561.40	561.60	561.82	561.47	561.22	560.98	561.07
10	562.26	561.35	561.15	561.96	560.87	561.38	561.49	561.70	561.44	561.14	561.02	561.10
11	563.05	561.08	561.00	561.91	560.89	561.42	561.53	561.50	561.42	561.51	561.15	560.99
12	561.85	561.59	560.98	561.77	560.91	561.34	561.76	561.43	561.44	561.45	561.09	561.34
13	561.03	561.61	561.43	561.86	560.91	561.43	561.57	561.54	561.42	561.40	561.26	561.52
14	560.79	561.42	561.77	562.32	561.24	561.47	561.59	561.55	561.41	561.44	561.19	561.44
15	560.87	561.71	561.24	561.76	561.06	561.54	561.58	561.52	561.28	561.72	561.32	561.17
16	561.60	561.74	561.06	561.76*	561.53	561.59	561.61	561.44	561.30	561.30	561.16	561.52
17	562.46	560.99	561.37	/	561.38	561.60	561.67	561.50	561.30	561.30	561.05	561.30
18	561.19	561.16	561.14	561.30*	561.37	561.42*	561.74	561.39	561.46	561.37	561.02	561.26
19	560.37	561.20	561.19	561.32	561.39	561.52	561.70	561.51	561.35	561.40	561.06	561.28
20	560.39	561.04	560.91	561.45	561.46	561.50	561.55	561.59	561.33	561.79	561.07	561.42
21	560.03	560.99	561.43	561.47	561.38	561.79	561.54	561.35	561.30	561.64	560.94	561.58
22	559.59	561.06	561.85	561.45	561.25	561.51	561.55	561.44	561.38	561.19	560.96	561.16
23	561.02	561.02	561.46	561.37	561.39	561.59	561.38	561.57	561.65	561.28	561.04	561.11
24	563.00	560.71	561.29	561.42	561.62	561.42	561.39	561.35	561.48	561.19	561.19	561.20
25	561.47	561.47	561.36	561.95	561.56	561.41	561.60	561.50	561.34	561.22	561.40	561.35
26	560.73	561.48	561.88	562.00	561.57	561.34	561.53	561.39	561.35	561.24	561.15	561.65
27	561.08	561.28	561.77	561.71	561.56	561.34	561.43	561.33	561.27	561.28	560.98	561.12
28	561.40	561.20	561.87	561.44	561.59	561.53	561.55	561.33	561.48	561.28	561.07	561.90
29	561.47*		561.34	561.63	561.72	561.51	561.59	561.35	561.45	561.37	561.56	562.72
30	561.00*		561.16	561.58	561.57	561.39	561.58	561.32	561.46	561.38	561.04	562.15
31	560.48		561.62		561.65		561.81	561.37		561.27		561.36
MEAN	561.33	561.35	561.27	561.70	561.40	561.48	561.55	561.49	561.40	561.39	561.17	561.37
MAX.	564.39	563.08	562.53	563.47	562.76	562.56	562.72	562.53	562.38	563.25	562.67	563.69
	0900/11	0800/01	2200/31	2200/03	0700/07	0800/21	0700/12	0700/20	0700/23	2400/20	2200/05	0100/29
MIN.	558.74	560.25	560.14	559.52	559.45	560.31	560.53	560.28	560.23	560.24	560.65	560.57
	0100/23	1400/24	1200/04	2200/06	2100/09	2100/12	2100/24	2100/06	1900/27	1900/17	1000/12	0700/10

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

/ Indicates No Data.

ANNUAL MEAN: 561.41

ANNUAL SUMMARY OF LEVELS, 1982

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

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST			LOWEST	
Monthly mean elevation:	565.85	Apr	Monthly mean elevation:	565.15	Feb
Daily mean elevation:	567.18	4 Jan	Daily mean elevation:	564.11	31 Jan
Instant/hourly Elevation:	570.09	2000/10 Jan	Instant/hourly Elevation:	563.22	1600/31 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
567.18	4 Jan
565.95	1 Feb
565.84	26 Mar
567.13	4 Apr
565.79	8 May
565.67	15 Jun
	Jul
	Aug
	Sep
	Oct
	Nov
	Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
564.11	31 Jan
564.24	17 Feb
564.82	4 Mar
565.36	2 Apr
565.12	22 May
565.29	3 Jun
	Jul
	Aug
	Sep
	Oct
	Nov
	Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
567.00	2			1									567.00	3
566.80													566.80	3
566.60	3			1									566.60	7
566.40													566.40	7
566.20				1									566.20	8
566.00	2			5									566.00	15
565.80	2	2	1	6									565.80	26
565.60	3	3	4	7	12	9							565.60	64
565.40	4	2	5	8	15	4							565.40	102
565.20	4	4	8	1	3	2							565.20	124
565.00	3	6	3		1								565.00	137
564.80	1	5	10										564.80	153
564.60		4											564.60	157
564.40	2	1											564.40	160
564.20		1											564.20	161
564.00	1												564.00	162

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	/	565.95	565.15	566.07	565.73	565.66	/	/	/	/	/	/
2	/	565.23	564.83	565.36	565.77	565.66	/	/	/	/	/	/
3	/	565.00	564.91	566.11	565.65	565.29	/	/	/	/	/	/
4	567.18*	565.15	564.82	567.13	565.56	565.42	/	/	/	/	/	/
5	566.14	565.11	565.22	566.63	565.67	565.40	/	/	/	/	/	/
6	565.13	565.49	564.83	565.58	565.73	565.62	/	/	/	/	/	/
7	565.09	565.87	564.96	566.37	565.74	565.67	/	/	/	/	/	/
8	566.05	565.79	565.07	566.16	565.79	565.64	/	/	/	/	/	/
9	565.52	565.23	565.27	565.98	565.77	565.55	/	/	/	/	/	/
10	566.68*	565.69	564.90	566.14	565.71	565.63	/	/	/	/	/	/
11	/	565.60	564.85	566.16	565.60	565.58	/	/	/	/	/	/
12	565.94*	565.67	564.86	565.82	565.72	565.53	/	/	/	/	/	/
13	565.57	565.17	565.39	565.93	565.71	565.62	/	/	/	/	/	/
14	565.42	565.03	565.48	566.00	565.64	565.61	/	/	/	/	/	/
15	565.61	565.10	564.93	565.65	565.59	565.67*	/	/	/	/	/	/
16	566.65	564.97	565.00	565.58	565.56	/	/	/	/	/	/	/
17	566.77	564.24	565.41	565.84	565.45	/	/	/	/	/	/	/
18	565.65	564.70	565.27	565.66	565.37	/	/	/	/	/	/	/
19	565.32	564.90	565.30	565.43	565.45	/	/	/	/	/	/	/
20	565.20	564.77	565.01	565.54	565.49	/	/	/	/	/	/	/
21	564.42	564.78	565.59	565.68	565.25	/	/	/	/	/	/	/
22	564.48	564.84	565.74	565.56	565.12	/	/	/	/	/	/	/
23	565.98	564.80	565.45	565.52	565.38	/	/	/	/	/	/	/
24	567.02	564.56	565.34	565.55	565.52	/	/	/	/	/	/	/
25	565.65	565.29	565.41	565.84	565.47	/	/	/	/	/	/	/
26	565.28	565.29	565.84	565.79	565.45	/	/	/	/	/	/	/
27	565.29	565.06	565.77	565.74	565.43	/	/	/	/	/	/	/
28	565.47	564.81	565.68	565.55	565.53	/	/	/	/	/	/	/
29	565.35		565.37	565.61	565.60	/	/	/	/	/	/	/
30	564.90		565.29	565.62	565.58	/	/	/	/	/	/	/
31	564.11		565.73		565.60		/	/		/		/
MEAN	565.62	565.15	565.25	565.85	565.57	565.57	/	/	/	/	/	/
MAX.	570.09	567.32	566.73	567.69	566.22	566.02						
	2000/10	0700/01	2000/31	2000/04	1000/08	0800/01						
MIN.	563.22	564.12	564.55	563.96	564.86	565.04						
	1600/31	1500/17	0100/09	0400/06	0300/22	2100/03						

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

/ Indicates No Data.

ANNUAL MEAN: 565.50

ANNUAL SUMMARY OF LEVELS, 1982

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

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST		
Monthly mean elevation:	572.31	Apr	571.01	Feb
Daily mean elevation:	574.54	11 Jan	569.80	31 Jan
Instant/hourly Elevation:	577.95	1900/10 Jan	567.91	0300/6 Apr

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
574.54	11 Jan
571.89	1 Feb
572.42	31 Mar
573.80	4 Apr
572.25	2 May
572.61	21 Jun
572.49	12 Jul
572.13	9 Aug
571.99	3 Sep
572.39	20 Oct
572.76	5 Nov
572.89	28 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
569.80	31 Jan
569.87	17 Feb
570.91	4 Mar
571.30	6 Apr
571.59	22 May
571.71	3 Jun
571.68	27 Jul
571.31	31 Aug
570.78	7 Sep
570.54	9 Oct
570.48	22 Nov
570.97	17 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
													574.40	1
574.40	1												574.20	2
574.20	1												574.00	2
574.00													573.80	2
573.80													573.60	3
573.60				1									573.40	4
573.40				1									573.20	5
573.20	1												573.00	5
573.00												1	572.80	8
572.80	2										1		572.60	12
572.60				2		1						1	572.40	20
572.40			1	4		1	1			1	1		572.20	61
572.20	2		2	10	4	14	7			1	2	2	572.00	134
572.00	2		2	9	21	11	17	6			1	2	571.80	166
571.80	1	1	8		4	2	5	7	1			6	571.60	195
571.60	2		2	2	1	1	1	12	1	1		1	571.40	218
571.40	1	1	4		1			3	6	1	5	10	571.20	261
571.20	3	1	3	1				3	9	7	6	7	571.00	313
571.00	3	13	7						12	7	3	1	570.80	347
570.80	7	10	2							7	7		570.60	357
570.60	2								1	5	2		570.40	361
570.40		1								1	2		570.20	361
570.20													570.00	363
570.00	2												569.80	364
569.80		1											569.60	365
569.60	1													

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	572.09	571.89	571.33	572.34	572.24	572.23	572.26	572.09	571.42	571.31	570.84	571.12
2	570.80	570.90	571.04	571.70	572.25	572.28	572.28	572.04	571.55	570.91	570.97	571.06
3	571.28	570.97	570.99	573.46	572.20	571.71	572.10	571.83	571.99	571.31	571.11	571.22
4	573.23	571.12	570.91	573.80	572.10	571.92	572.06	572.06	571.62	571.01	571.30	571.17
5	572.15	571.01	571.50	571.63	572.06	571.88	572.11	571.78	571.45	571.13	572.76	571.09
6	571.51	571.52	571.08	571.30	572.11	572.11	572.14	571.62	571.31	571.09	571.98	571.94
7	571.62	571.33	571.23	572.34	572.18	572.18	572.35	571.79	570.78	571.31	571.45	571.73
8	572.91	571.09	571.08	572.18	572.22	572.21	572.23	571.90	571.15	571.20	571.41	571.11
9	571.62	571.07	571.46	572.07	572.22	572.11	572.17	572.13	571.31	570.54	570.81	571.09
10	574.22	571.12	571.07	572.37	572.17	572.29	572.06	572.06	571.26	570.85	570.55	571.99
11	574.54	571.01	571.13	572.47	572.10	572.19	572.30	571.89	571.22	571.31	571.22	571.33
12	571.19	570.98	571.12	572.05	572.18	572.14	572.49	571.79	571.19	571.33	572.34	571.21
13	570.92	571.00	571.88	572.43	572.12	572.25	572.10	571.81	571.19	571.29	571.38	571.64
14	571.02	570.92	571.51	572.28	572.02	572.21	572.03	571.76	571.27	572.18	571.24	571.71
15	571.29	570.96	571.03	572.14	572.03	572.42	572.05	571.72	571.09	571.77	571.50	571.19
16	572.28	570.81	571.33	572.19	572.08	572.12	572.04	571.73	571.38	571.49	571.28	571.37
17	571.98	569.87	571.83	572.65	572.03	572.29	572.15	571.71	571.11	571.05	570.84	570.97
18	570.91	570.81	571.73	572.37	571.97	572.18	572.23	571.69	571.57	571.08	570.77	571.21
19	570.78	571.15	571.76	572.18	572.13	572.34	572.15	571.92	571.09	571.04	570.76	571.26
20	570.84	571.03	571.47	572.36	572.10	572.28	572.01	572.02	571.42	572.39	570.88	572.01
21	570.08	571.04	572.30	572.61	571.69	572.61	572.06	571.53	571.12	571.32	571.06	571.73
22	570.10	571.06	572.08	572.43	571.59	572.29	571.97	571.75	571.17	570.84	570.48	571.31
23	572.27	570.99	571.92	572.45	571.96	572.35	571.84	571.83	571.57	570.82	571.01	571.29
24	572.83	570.45	571.84	572.31	572.06	572.20	571.94	571.50	571.36	570.68	571.51	571.34
25	571.04	571.08	571.94	572.22	572.02	572.24	572.15	571.91	571.09	570.72	572.06	571.59
26	570.99	571.12	572.31	572.21	571.96	572.04	572.03	571.73	571.10	570.77	571.55	571.73
27	570.84	571.02	572.16	572.26	571.90	572.05	571.68	571.70	571.09	570.74	571.00	571.30
28	571.35	570.90	572.00	572.14	572.08	572.06	572.14	571.50	571.25	570.74	570.93	572.89
29	570.88		571.88	572.15	572.13	572.21	571.94	571.40	571.04	570.97	572.01	572.48
30	570.90		571.85	572.16	572.16	572.28	571.91	571.40	571.24	570.89	571.24	572.04
31	569.80		572.42		572.14		572.22	571.31		570.81		571.78
MEAN	571.56	571.01	571.59	572.31	572.07	572.19	572.10	571.77	571.28	571.13	571.27	571.51
MAX.	577.95	575.88	573.95	576.59	572.66	574.04	573.10	573.39	572.76	575.72	575.71	576.01
	1900/10	0300/01	2000/31	1800/03	0600/28	2200/15	0200/12	0700/25	1500/03	1800/20	2000/12	2300/28
MIN.	568.08	569.34	570.48	567.91	571.20	570.92	571.26	570.85	569.93	569.70	569.95	570.46
	1500/31	0900/17	0500/04	0300/06	0500/22	0900/03	2000/27	1300/31	0400/27	1900/09	1200/22	0500/05

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

/ Indicates No Data.

ANNUAL MEAN: 571.65

ANNUAL SUMMARY OF LEVELS, 1982

Station 3028: Sturgeon Point, New York on Lake Erie

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	572.39	Apr	571.04	Feb
Daily mean elevation:	574.16	11 Jan	569.89	31 Jan
Instant/hourly Elevation:	576.57	1900/10 Jan	568.25	1500/31 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
574.16	11 Jan
571.92	1 Feb
572.40	31 Mar
573.82	4 Apr
572.58	16 May
572.39	21 Jun
572.41	12 Jul
572.07	9 Aug
571.88	3 Sep
572.09	20 Oct
572.54	5 Nov
572.64	28 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
569.89	31 Jan
569.95	17 Feb
570.94	4 Mar
571.44	6 Apr
572.12	5 May
572.05	27 Jun
571.69	27 Jul
571.31	31 Aug
570.83	7 Sep
570.58	9 Oct
570.56	22 Nov
571.01	17 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
574.00	1												574.00	1
573.80	1			1									573.80	3
573.60													573.60	3
573.40													573.40	3
573.20				1									573.20	4
573.00													573.00	4
572.80	2												572.80	6
572.60	1			2								1	572.60	10
572.40				8	1		1				1		572.40	21
572.20	2		3	13	9	5	4					1	572.20	58
572.00	1		3	2	6	5	18	5		2	1	2	572.00	103
571.80	2	1	7				7	6	1		3	2	571.80	132
571.60	1		2	2			1	14		1		4	571.60	157
571.40	3	1	4	1				3	5	1	3	3	571.40	181
571.20	3	1	3					3	10	6	6	9	571.20	222
571.00	5	17	8						13	8	6	9	571.00	288
570.80	6	6	1						1	6	6		570.80	314
570.60										6	2		570.60	322
570.40		1								1	2		570.40	326
570.20	1												570.20	327
570.00	1												570.00	328
569.80	1	1											569.80	330

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

Station 3028: Sturgeon Point, New York on Lake Erie

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	571.97	571.92	571.36	572.37	572.29	/	572.25	572.03	571.41	571.29	570.83	571.10
2	570.81	570.95	571.07	571.76	572.29	/	572.24	572.01	571.51	570.92	570.97	571.05
3	571.26	571.01	571.02	573.40	572.25	/	572.09	571.81	571.88	571.28	571.10	571.19
4	572.93	571.15	570.94	573.82	572.15	/	572.06	572.01	571.57	571.03	571.29	571.16
5	571.95	571.06	571.50	571.70	572.12	/	572.11	571.78	571.40	571.12	572.54	571.08
6	571.47	571.54	571.12	571.44	572.16	/	572.13	571.62	571.30	571.08	571.85	571.84
7	571.60	571.35	571.24	572.39	572.20	/	572.29	571.77	570.83	571.27	571.35	571.65
8	572.69	571.12	571.10	572.25	572.25	/	572.19	571.85	571.15	571.18	571.31	571.14
9	571.62	571.10	571.48	572.15	572.23	/	572.15	572.07	571.26	570.58	570.82	571.12
10	573.83	571.14	571.11	572.45	572.20	/	572.06	572.03	571.23	570.87	570.59	571.82
11	574.16	571.03	571.14	572.57	572.32	/	572.25	571.85	571.20	571.30	571.13	571.33
12	571.32	571.01	571.13	572.14	572.28	/	572.41	571.77	571.17	571.31	572.08	571.23
13	571.06	571.03	571.88	572.48	572.15	/	572.09	571.77	571.17	571.25	571.34	571.56
14	571.16	570.95	571.49	572.35	572.35	/	572.02	571.73	571.25	572.05	571.21	571.58
15	571.41	570.98	571.06	572.22	572.24	/	572.03	571.69	571.10	571.65	571.45	571.18
16	572.38	570.86	571.40	572.25	572.58*	/	572.01	571.70	571.37	571.48	571.21	571.39
17	572.05	569.95	571.84	572.73	/	/	572.11	571.69	571.10	571.03	570.84	571.01
18	571.02	570.84	571.75	572.50	/	/	572.20	571.66	571.52	571.02	570.78	571.22
19	570.90	571.18	571.77	572.31	/	/	572.10	571.81	571.08	571.02	570.77	571.24
20	570.92	571.05	571.51	572.48	/	/	572.00	571.96	571.37	572.09	570.85	572.01
21	570.18	571.07	572.34	572.73	/	572.39*	572.03	571.56	571.12	571.20	571.02	571.73
22	570.21	571.08	572.09	572.56	/	572.27	571.94	571.67	571.17	570.85	570.56	571.30
23	572.26	571.02	571.94	572.60	/	572.33	571.83	571.75	571.49	570.82	571.03	571.29
24	572.82	570.53	571.87	572.44	/	572.19	571.90	571.48	571.32	570.68	571.47	571.32
25	571.06	571.10	571.97	572.31	/	572.22	572.08	571.92	571.07	570.74	571.86	571.52
26	571.02	571.15	572.29	572.30	/	572.05	571.99	571.65	571.08	570.76	571.49	571.68
27	570.88	571.06	572.16	572.34	/	572.05	571.69	571.67	571.10	570.73	571.02	571.31
28	571.39	570.94	572.01	572.23	/	572.06	572.08	571.50	571.25	570.74	570.92	572.64
29	570.91		571.90	572.23	/	572.18	571.92	571.38	571.05	570.94	571.86	572.33
30	570.96		571.88	572.22	/	572.27	571.88	571.37	571.22	570.84	571.20	572.01
31	569.89		572.40		/		572.14	571.31		570.80		571.72
MEAN	571.55	571.04	571.61	572.39	572.25	572.20	572.07	571.74	571.26	571.09	571.22	571.48
MAX.	576.57	575.29	573.64	576.31	573.68	572.84	572.99	573.61	572.63	575.04	574.90	575.29
	1900/10	0300/01	2000/31	2000/03	0200/11	0800/22	0200/12	0700/25	0500/18	1800/20	2000/12	2300/28
MIN.	568.25	569.45	570.53	568.30	571.54	571.86	571.32	570.80	570.16	569.91	570.15	570.52
	1500/31	0900/17	0500/04	0300/06	0900/11	1300/27	2200/27	1300/31	2400/06	1900/09	0500/10	0600/05

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

/ Indicates No Data.

ANNUAL MEAN: 571.66

ANNUAL SUMMARY OF LEVELS, 1982

Station 3032: Barcelona, New York on Lake Erie

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST		
Monthly mean elevation:	572.34	Apr	571.02	Feb
Daily mean elevation:	573.53	4 Apr	570.00	17 Feb
Instant/hourly Elevation:	575.45	1900/3 Apr	568.85	1600/31 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
573.45	11 Jan
571.67	1 Feb
572.28	31 Mar
573.53	4 Apr
572.24	2 May
572.41	21 Jun
572.32	12 Jul
572.02	9 Aug
571.74	3 Sep
571.85	14 Oct
572.12	5 Nov
572.35	28 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
570.11	31 Jan
570.00	17 Feb
570.99	4 Mar
571.66	6 Apr
571.73	22 May
571.80	3 Jun
571.74	27 Jul
571.34	31 Aug
570.90	7 Sep
570.70	9 Oct
570.62	10 Nov
571.06	2 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
573.40	1			1									573.40	2
573.20													573.20	2
573.00	1			1									573.00	4
572.80													572.80	4
572.60				1									572.60	5
572.40	1			6		1							572.40	13
572.20	2		3	15	4	12	3					1	572.20	53
572.00			2	3	21	15	19	1			1	1	572.00	116
571.80	3		7		4	1	8	7		1		2	571.80	149
571.60	2	1	3	3	2	1	1	14	1	1	1	3	571.60	182
571.40	2	1	5					6	3	2	4	6	571.40	211
571.20	5	1	1					3	13	5	5	9	571.20	253
571.00	4	15	9						12	7	8	9	571.00	317
570.80	7	8	1						1	8	7		570.80	349
570.60										7	4		570.60	360
570.40	1	1											570.40	362
570.20	1												570.20	363
570.00	1												570.00	364
569.80		1											569.80	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

Station 3032: Barcelona, New York on Lake Erie

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	571.73	571.67	571.32	572.32	572.23	572.21	572.22	571.99	571.39	571.26	570.82	571.09
2	570.91	570.97	571.05	571.76	572.24	572.26	572.18	572.00	571.50	570.99	570.97	571.06
3	571.22	571.01	571.01	573.08	572.23	571.80	572.09	571.80	571.74	571.24	571.08	571.15
4	572.46	571.12	570.99	573.53	572.14	571.94	572.06	571.95	571.51	571.07	571.28	571.18
5	571.82	571.06	571.44	571.73	572.10	572.04	572.11	571.80	571.34	571.12	572.12	571.09
6	571.40	571.46	571.12	571.66	572.14	572.20	572.12	571.64	571.30	571.09	571.56	571.63
7	571.50	571.31	571.20	572.33	572.17	572.17	572.25	571.75	570.90	571.21	571.21	571.51
8	572.34	571.09	571.07	572.21	572.23	572.21	572.16	571.86	571.13	571.18	571.19	571.17
9	571.58	571.08	571.46	572.13	572.20	572.12	572.12	572.02	571.25	570.70	570.83	571.20
10	573.14	571.11	571.11	572.39	572.18	572.28	572.07	571.98	571.24	570.89	570.62	571.59
11	573.45	571.02	571.14	572.51	572.14	572.17	572.19	571.82	571.21	571.28	571.03	571.32
12	571.33	571.00	571.12	572.14	572.14	572.14	572.32	571.75	571.17	571.27	571.77	571.28
13	571.07	571.01	571.81	572.40	572.14	572.22	572.08	571.74	571.18	571.20	571.32	571.45
14	571.17	570.95	571.46	572.31	572.04	572.18	572.00	571.72	571.23	571.85	571.14	571.42
15	571.35	570.97	571.12	572.22	572.03	572.33	572.03	571.67	571.15	571.55	571.36	571.17
16	572.00	570.85	571.42	572.23	572.09	572.13	572.03	571.66	571.37	571.46	571.11	571.37
17	571.75	570.00	571.80	572.58	572.04	572.22	572.10	571.67	571.14	571.04	570.86	571.09
18	571.02	570.86	571.72	572.43	571.98	572.16	572.19	571.64	571.43	570.98	570.80	571.23
19	570.93	571.16	571.75	572.30	572.08	572.25	572.05	571.73	571.09	570.97	570.78	571.26
20	570.94	571.05	571.56	572.42	572.11	572.22	572.03	571.89	571.29	571.75	570.83	571.94
21	570.42	571.04	572.21	572.63	571.77	572.41	572.00	571.56	571.14	571.10	570.98	571.68
22	570.39	571.06	572.05	572.48	571.73	572.20	571.94	571.57	571.16	570.85	570.64	571.31
23	571.87	571.00	571.92	572.52	571.98	572.24	571.87	571.67	571.37	570.82	571.07	571.26
24	572.33	570.54	571.85	572.38	572.06	572.16	571.88	571.48	571.29	570.72	571.41	571.30
25	571.05	571.07	571.94	572.28	572.02	572.17	572.02	571.80	571.07	570.76	571.60	571.44
26	570.99	571.11	572.22	572.29	571.97	572.05	571.99	571.59	571.08	570.77	571.40	571.58
27	570.88	571.05	572.12	572.33	571.94	572.02	571.74	571.59	571.10	570.75	571.03	571.37
28	571.34	570.95	571.98	572.21	572.07	572.05	572.03	571.48	571.27	570.76	570.93	572.35
29	570.89		571.90	572.21	572.14	572.21*	571.93	571.38	571.09	570.90	571.60	572.13
30	570.95		571.89	572.20	572.15	572.23	571.89	571.37	571.23	570.81	571.16	571.88
31	570.11		572.28		572.13		572.08	571.34		570.79		571.66
MEAN	571.43	571.02	571.58	572.34	572.08	572.17	572.06	571.71	571.25	571.07	571.15	571.42
MAX.	575.41	573.46	573.26	575.45	572.51	573.40	572.82	572.53	572.21	573.87	573.71	574.07
	2100/04	0400/01	1800/31	1900/03	1600/28	2300/15	0300/12	0700/25	0500/18	1700/20	2000/12	2100/28
MIN.	568.85	569.57	570.60	569.30	571.49	571.53	571.39	570.97	570.40	570.06	570.21	570.68
	1600/31	0900/17	0600/04	0400/06	0500/22	1600/03	2300/27	1100/31	0100/07	2300/09	0400/10	0500/05

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

/ Indicates No Data.

ANNUAL MEAN: 571.61

ANNUAL SUMMARY OF LEVELS, 1982

Station 3038: Erie, Pennsylvania on Lake Erie

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	572.47	Apr	571.14	Oct
Daily mean elevation:	573.49	4 Apr	570.76	10 Nov
Instant/hourly Elevation:	574.82	2000/3 Apr	570.46	2100/9 Oct

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
	Jan
	Feb
572.29	26 Mar
573.49	4 Apr
572.31	30 May
572.42	21 Jun
572.36	1 Jul
572.10	9 Aug
571.73	3 Sep
571.76	14 Oct
571.92	5 Nov
572.17	28 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
	Jan
	Feb
571.05	3 Mar
571.93	2 Apr
571.95	21 May
571.98	3 Jun
571.92	27 Jul
571.45	31 Aug
571.08	7 Sep
570.80	30 Oct
570.76	10 Nov
571.11	2 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
573.40				1									573.40	1
573.20													573.20	1
573.00				1									573.00	2
572.80													572.80	2
572.60				2									572.60	4
572.40				12		1							572.40	17
572.20			2	10	15	23	4						572.20	71
572.00			8		14	5	22	3				2	572.00	125
571.80			3	1	2	1	3	11			1	2	571.80	149
571.60			3					12	1	1		2	571.60	168
571.40			3					5	5	3	4	6	571.40	194
571.20			6						19	11	5	12	571.20	247
571.00			5						5	3	11	7	571.00	278
570.80										12	8		570.80	298
570.60										1	1		570.60	300

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

Station 3038: Erie, Pennsylvania on Lake Erie

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	/	/	/	572.33	572.30*	572.23	572.36*	571.76	571.47	571.36	570.91	571.13
2	/	/	571.08	571.93	572.27	572.28	572.11*	572.03	571.56	571.18	571.02	571.11
3	/	/	571.05	573.01	572.26	571.98	572.12*	571.89	571.73	571.35	571.11	571.18
4	/	/	571.06	573.49	572.20	572.11	572.04*	571.71	571.53	571.21	571.34	571.20
5	/	/	571.40	572.26*	572.19	572.24	572.12	571.85	571.40	571.26	571.92	571.14
6	/	/	571.15	/	572.23	572.33	572.12*	571.83	571.37	571.24	571.43	571.59
7	/	/	571.21	/	572.26	572.27	/	571.93	571.08	571.32	571.14	571.49
8	/	/	571.14	/	572.30	572.29	572.17	571.99	571.30	571.29	571.15	571.25
9	/	/	571.56*	572.34*	572.29	572.21	572.17*	572.10	571.35	570.94	570.91	571.30
10	/	/	571.24*	572.42	572.27	572.32	/	572.03	571.31	571.21*	570.76	571.51
11	/	/	571.26	572.56	572.23	572.26	572.24*	571.91	571.31	571.39	571.04	571.36
12	/	/	571.24	572.32	572.28	572.22	572.29	571.85	571.29	571.36	571.60	571.34
13	/	/	571.80	572.45	572.24	572.26	572.09	571.84	571.28	571.29	571.28	571.39
14	/	/	571.55	572.38	572.17	572.24	572.05	571.82	571.30	571.76	571.14	571.31
15	/	/	571.26	572.32	572.18	572.31	572.09	571.80	571.26	571.53	571.30	571.16
16	/	/	571.50	572.41	572.20	572.16	572.06	571.79	571.44	571.48	571.06	571.38
17	/	/	571.85	572.70	572.16	572.29	572.10	571.80	571.22	571.08	570.88	571.18
18	/	/	571.80	572.48	572.12	572.26	572.11	571.75	571.46	570.95	570.85	571.22
19	/	/	571.82	572.37	572.19	572.31	572.10*	571.76	571.17	570.94	570.83	571.27
20	/	/	571.66	572.50	572.20	572.28	572.03	571.90	571.32	571.57	570.82	571.89
21	/	/	572.18	572.61	571.95	572.42	572.05	571.69	571.23	571.08	571.02	571.64
22	/	/	572.08	572.46	571.96	572.28	572.02*	571.66	571.21	570.89	570.83	571.30
23	/	/	572.02	572.51	572.16	572.32	571.93*	571.71	571.37	570.89	571.12	571.30
24	/	/	571.97	572.47	572.21	572.23	571.96	571.57	571.28	570.81	571.40	571.34
25	/	/	572.06	572.44	572.16	572.24	572.01	571.85	571.14	570.84	571.46	571.43
26	/	/	572.29	572.44	572.12	572.15	572.10*	571.65	571.16	570.85	571.32	571.59
27	/	/	572.20	572.41	572.11	572.15	571.92	571.67	571.24	570.83	571.09	571.41
28	/	/	572.06	572.34	572.19	572.17	572.26	571.58	571.36	570.82	570.96	572.17
29	/		572.01	572.34	572.29	572.26	572.12	571.47	571.20	570.90	571.52	572.04
30	/		572.02	572.32	572.31	572.31	572.07	571.45	571.30	570.80	571.18	571.85
31	/		572.27		572.28		572.20	571.45		570.84		571.66
MEAN	/	/	571.66	572.47	572.20	572.25	572.10	571.78	571.32	571.14	571.15	571.42
MAX.			572.98	574.82	572.57	572.95	572.87	572.48	572.10	573.05	572.94	573.76
			2000/31	2000/03	1500/28	0500/21	0600/28	0700/25	0500/18	1700/20	2100/12	2300/28
MIN.			570.73	571.68	571.70	571.67	571.56	571.11	570.64	570.46	570.49	570.86
			0800/04	2000/02	0300/22	0600/16	2200/27	1100/31	0200/07	2100/09	0500/10	0400/05

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

ANNUAL MEAN: 571.75

ANNUAL SUMMARY OF LEVELS, 1982
Station 3053: Fairport Harbor, Ohio on Lake Erie

INTERNATIONAL
GREAT LAKES
DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	572.45	Apr	571.07	Nov
Daily mean elevation:	572.95	6 Apr	570.78	29 Oct
Instant/hourly Elevation:	574.13	0600/6 Apr	570.17	1800/20 Oct

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
571.57	7 Jan
571.31	24 Feb
572.21	26 Mar
572.95	6 Apr
572.42	1 May
572.50	1 Jun
572.31	5 Jul
572.07	3 Aug
571.59	2 Sep
571.38	1 Oct
571.26	24 Nov
571.67	31 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
571.07	17 Jan
571.11	15 Feb
571.21	1 Mar
572.18	1 Apr
572.22	26 May
572.23	27 Jun
571.99	25 Jul
571.52	30 Aug
571.21	24 Sep
570.78	29 Oct
570.93	16 Nov
571.01	14 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
572.80				1									572.80	1
572.60													572.60	1
572.40				21	1	3							572.40	26
572.20			1	7	30	27	15						572.20	106
572.00			9	1			15	6					572.00	137
571.80			5				1	12					571.80	155
571.60			2					10				4	571.60	171
571.40	1		2					3	12			9	571.40	198
571.20	11	6	12						18	15	2	13	571.20	275
571.00	2	15								4	20	5	571.00	321
570.80										10	8		570.80	339
570.60										2			570.60	341

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

Station 3053: Fairport Harbor, Ohio on Lake Erie

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	571.34	/	571.21	572.18	572.42	572.50	572.28	572.02	571.56	571.38	570.94	571.21
2	571.33	/	571.24	572.23	572.39	572.36	572.24	572.03	571.59	571.37	571.06	571.22
3	571.36	/	571.26	572.22	572.40	572.39	572.30	572.07	571.57	571.31	571.14	571.19
4	571.23	/	571.35	572.37	572.38	572.28	572.31	572.02	571.47	571.33	571.25	571.29
5	571.27	/	571.26	572.30	572.38	572.47	572.31	572.05	571.44	571.32	571.05	571.29
6	571.38	/	571.33	572.95	572.36	572.46	572.29	572.00	571.45	571.30	570.99	571.27
7	571.57*	/	571.29	572.46	572.33	572.40	572.27	571.96	571.53	571.26	570.97	571.29
8	/	571.20*	571.30	572.38	572.36	572.39	572.30	572.02	571.44	571.30	570.98	571.38
9	/	571.22	571.30	572.42	572.36	572.39	572.30	572.00	571.39	571.32	571.05	571.45
10	/	571.19	571.32	572.38	572.35	572.39	572.27	571.99	571.40	571.34	571.05	571.17
11	571.07*	571.16	571.36	572.39	572.34	572.37	572.30	571.94	571.39	571.30	570.99	571.34
12	571.36	571.16	571.40	572.44	572.33	572.33	572.22	571.89	571.35	571.25	571.03	571.36
13	571.35	571.14	571.42	572.43	572.32	572.34	572.27	571.86	571.38	571.25	571.20	571.16
14	571.31	571.13	571.53	572.51	572.33	572.32	572.23	571.85	571.36	571.20	571.09	571.01
15	571.23	571.11	571.68	572.49	572.30	572.28	572.21	571.82	571.44	571.21	571.08	571.17
16	571.24	571.12	571.73	572.46	572.27	572.38	572.20	571.81	571.47	571.33	570.93	571.43
17	571.07*	571.28	571.82	572.42	572.25	572.34	572.16	571.82	571.34	571.13	570.98	571.41
18	/	571.18	571.86	572.49	572.26	572.31	572.14	571.74	571.35	571.01	571.02	571.26
19	/	571.12	571.91	572.52	572.25	572.35	572.20	571.67	571.31	570.97	571.01	571.37
20	/	571.13	572.02	572.51	572.22	572.32	572.19	571.74	571.28	570.89	570.95	571.48
21	/	571.15	571.95	572.54	572.24	572.30	572.18	571.83	571.32	570.96	571.11	571.47
22	/	571.15	571.97	572.50	572.29	572.35	572.14	571.64	571.28	571.01	571.19	571.38
23	/	571.17	572.04	572.46	572.28	572.31	572.15	571.61	571.34	570.96	571.20	571.37
24	/	571.31	572.04	572.47	572.25	572.30	572.05	571.64	571.21	570.95	571.26	571.42
25	/	571.21	572.11	572.50	572.24	572.25	571.99	571.68	571.29	570.94	571.02	571.46
26	/	571.18	572.21	572.51	572.22	572.28	572.05	571.61	571.28	570.91	571.13	571.57
27	/	571.22	572.19	572.55	572.25	572.23	572.08	571.65	571.49	570.90	571.20	571.61
28	/	571.26	572.09	572.50	572.30	572.26	572.14	571.62	571.42	570.87	571.13	571.54
29	/		572.11	572.45	572.36	572.29	572.10	571.57	571.40	570.78	571.06	571.66
30	/		572.11	572.44	572.37	572.31	572.08	571.52	571.37	570.79	571.17	571.63
31	/		572.15		572.37		572.04	571.53		570.87		571.67
MEAN	571.29	571.18	571.70	572.45	572.32	572.34	572.19	571.81	571.40	571.12	571.07	571.37
MAX.	571.63	571.45	572.58	574.13	572.71	573.11	572.59	572.24	572.07	571.69	571.76	572.01
	0200/07	1400/24	1400/31	0600/06	1800/27	0300/01	0600/11	1200/08	2200/02	1800/15	0200/13	1600/28
MIN.	570.39	571.03	571.06	571.61	571.91	571.89	571.65	571.35	571.08	570.17	570.35	570.90
	2000/04	0900/20	1200/09	2100/03	0300/28	0100/16	1200/28	1700/30	1300/24	1800/20	2100/12	1800/14

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

/ Indicates No Data.

ANNUAL MEAN: 571.69

ANNUAL SUMMARY OF LEVELS, 1982
Station 3063: Cleveland, Ohio on Lake Erie

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	572.40	Apr	571.03	Nov
Daily mean elevation:	573.08	6 Apr	570.19	11 Jan
Instant/hourly Elevation:	574.66	0500/6 Apr	569.24	1900/10 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
571.68	31 Jan
571.63	17 Feb
572.20	27 Mar
573.08	6 Apr
572.42	1 May
572.59	5 Jun
572.39	4 Jul
572.06	6 Aug
571.63	7 Sep
571.45	9 Oct
571.30	22 Nov
571.66	27 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
570.19	11 Jan
570.98	1 Feb
571.11	1 Mar
571.89	3 Apr
572.18	19 May
572.23	15 Jun
571.99	25 Jul
571.51	30 Aug
571.09	24 Sep
570.47	20 Oct
570.65	5 Nov
570.86	14 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
573.00				1									573.00	1
572.80													572.80	1
572.60													572.60	1
572.40				16	3	10							572.40	30
572.20				10	27	20	19						572.20	106
572.00			9	2	1		11	3					572.00	132
571.80			5	1			1	14					571.80	153
571.60	1	1	3					8	1			1	571.60	168
571.40	4	1	1					6	12	2		10	571.40	204
571.20	6	8	10						16	11	4	14	571.20	273
571.00	11	17	3						1	3	14	3	571.00	325
570.80	4	1								12	10	3	570.80	355
570.60	3									2	2		570.60	362
570.40	1									1			570.40	364
570.20													570.20	364
570.00	1												570.00	365

INTERNATIONAL
GREAT LAKES
DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

Station 3063: Cleveland, Ohio on Lake Erie

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	571.19	570.98	571.11	572.13	572.42	572.43	572.30	572.00	571.55	571.33	570.90	571.25
2	571.39	571.26	571.28	572.31	572.39	572.38	572.26	572.00	571.57	571.42	571.09	571.26
3	571.29	571.36	571.32	571.89	572.41	572.56	572.34	572.05	571.51	571.28	571.12	571.21
4	570.76	571.25	571.39	572.20	572.41	572.41	572.39	571.92	571.47	571.36	571.17	571.30
5	571.14	571.29	571.20	572.39	572.40	572.59	572.35	572.06	571.42	571.31	570.65	571.35
6	571.29	571.05	571.34	573.08	572.36	572.56	572.31	572.06	571.44	571.31	570.82	571.14
7	571.45	571.03	571.28	572.38	572.31	572.48	572.23	571.97	571.63	571.23	570.83	571.21
8	570.95	571.19	571.31	572.33	572.33	572.46	572.29	571.96	571.46	571.30	570.91	571.41
9	571.45	571.25	571.21	572.39	572.34	572.47	572.30	571.98	571.39	571.45	571.10	571.46
10	570.59	571.15	571.29	572.24	572.34	572.42	572.32	571.99	571.38	571.34	571.16	571.00
11	570.19	571.18	571.31	572.25	572.33	572.43	572.32	571.96	571.38	571.29	570.95	571.36
12	571.18	571.19	571.38	572.40	572.30	572.40	572.28	571.92	571.38	571.21	570.72	571.38
13	571.31	571.15	571.18	572.34	572.32	572.38	572.38	571.86	571.38	571.20	571.17	571.00
14	571.23	571.16	571.46	572.44	572.34	572.37	572.37	571.83	571.36	570.98	571.01	570.86
15	571.08	571.11	571.75	572.48	572.30	572.23	572.34	571.83	571.44	571.05	571.03	571.15
16	570.99	571.20	571.68	572.42	572.28	572.40	572.32	571.80	571.44	571.23	570.83	571.46
17	570.84	571.63	571.76	572.34	572.28	572.33	572.25	571.83	571.36	571.09	570.99	571.47
18	571.17	571.20	571.86	572.44	572.28	572.33	572.21	571.75	571.30	570.92	571.05	571.14
19	571.22	571.07	571.89	572.48	572.18	572.33	572.22	571.63	571.31	570.90	571.03	571.33
20	571.17	571.08	572.08	572.48	572.21	572.31	572.20	571.66	571.23	570.47	570.95	571.43
21	571.52	571.15	571.86	572.47	572.32	572.29	572.15	571.84	571.31	570.91	571.09	571.43
22	571.42	571.13	571.94	572.45	572.37	572.34	572.16	571.55	571.29	570.99	571.30	571.33
23	570.77	571.17	572.01	572.41	572.30	572.30	572.16	571.55	571.30	570.95	571.23	571.36
24	570.70	571.49	572.03	572.43	572.25	572.31	572.07	571.66	571.09	570.93	571.26	571.40
25	571.05	571.21	572.11	572.48	572.25	572.26	571.99	571.67	571.27	570.94	570.86	571.40
26	571.04	571.17	572.19	572.48	572.25	572.33	572.02	571.60	571.29	570.91	571.04	571.50
27	571.01	571.24	572.20	572.56	572.32	572.29	572.10	571.63	571.50	570.89	571.24	571.66
28	570.91	571.32	572.08	572.52	572.32	572.28	572.15	571.62	571.41	570.84	571.13	571.32
29	571.07		572.11	572.47	572.34	572.32	572.11	571.54	571.41	570.66	570.97	571.47
30	571.09		572.08	572.46	572.38	572.37	572.07	571.51	571.33	570.73	571.17	571.56
31	571.68		571.99		572.39		572.01	571.56		570.81		571.60
MEAN	571.10	571.20	571.67	572.40	572.32	572.38	572.22	571.80	571.39	571.07	571.03	571.33
MAX.	572.25	571.81	572.69	574.66	572.65	572.88	572.60	572.24	571.96	571.75	571.88	571.91
	1800/31	1100/17	1300/31	0500/06	1500/07	2300/05	1200/28	0200/10	0100/07	2300/09	0300/13	0800/29
MIN.	569.24	570.15	570.74	571.04	572.04	571.82	571.82	571.27	570.88	569.49	570.15	570.43
	1900/10	0600/01	1200/09	2100/03	0400/28	2300/15	2100/28	0500/23	0600/24	1900/20	2300/12	2300/28

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

ANNUAL MEAN: 571.66

ANNUAL SUMMARY OF LEVELS, 1982

Station 3079: Marblehead, Ohio on Lake Erie

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST		
Monthly mean elevation:	572.36	Jun	570.88	Jan
Daily mean elevation:	572.87	3 Jun	569.23	11 Jan
Instant/hourly Elevation:	573.29	0500/3 Jun	566.80	2200/4 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
572.10	31 Jan
572.10	17 Feb
572.27	20 Mar
572.59	27 Apr
572.56	22 May
572.87	3 Jun
572.44	4 Jul
572.18	6 Aug
571.89	7 Sep
571.80	9 Oct
571.45	22 Nov
571.78	27 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
569.23	11 Jan
570.62	1 Feb
570.75	13 Mar
570.84	3 Apr
572.12	19 May
572.02	21 Jun
571.96	31 Jul
571.43	25 Aug
571.00	24 Sep
569.81	20 Oct
569.81	5 Nov
570.60	28 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
572.80						1						
572.60												
572.40				14	6	10	1					
572.20			1	7	22	13	17					
572.00	1	1	8	3	3	6	10	4				
571.80		1	6	1			3	13	1			
571.60	1		2					4		1		1
571.40	2		3					10	11	3	1	7
571.20	5	10	7						14	5	4	12
571.00	10	12	1						3	6	8	5
570.80	2	1	2	1					1	11	7	2
570.60	1	3	1							3	6	3
570.40	2										2	1
570.20	2									1		
570.00	2										1	
569.80										1	1	
569.60	2											
569.40												
569.20	1											

Elev. (ft.)	No. of days above elev.
572.80	1
572.60	1
572.40	32
572.20	92
572.00	128
571.80	153
571.60	162
571.40	199
571.20	256
571.00	301
570.80	328
570.60	345
570.40	350
570.20	353
570.00	356
569.80	358
569.60	360
569.40	360
569.20	361

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

Station 3079: Marblehead, Ohio on Lake Erie

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	570.81	570.62	570.93	571.99	572.40	572.32	572.35	571.95	571.52	571.38	570.97	571.27
2	571.62	571.32	571.38	572.59	572.38	572.36	572.26	571.93	571.43	571.59	571.06	571.30
3	571.35	571.36	571.44	570.84	572.36	572.87	572.38	572.08	571.28	571.28	571.07	571.19
4	569.67	571.22	571.39	/	572.44	572.60	572.44	571.89	571.43	571.49	570.89	571.30
5	570.80	571.30	571.07	/	572.42	572.59	572.38	572.12	571.40	571.36	569.81	571.40
6	571.24	570.79	571.37	/	572.34	572.57	572.34	572.18	571.45	571.37	570.44	570.84
7	571.22	570.64	571.27	/	572.29	572.56	572.18	572.02	571.89	571.19	570.68	571.05
8	570.25	571.09	571.39	572.48*	572.35	572.58*	572.32	571.88	571.54	571.32	570.75	571.45
9	571.14	571.16	570.92	572.49	572.38	572.59	572.34	571.87	571.40	571.80	571.27	571.42
10	570.15*	571.02	571.35	572.11	572.37	572.38	572.32	571.92	571.40	571.51	571.37	570.73
11	569.23*	571.18	571.33	572.09	572.35	572.48	572.06	571.96	571.41	571.16	570.88	571.27
12	571.11	571.19	571.47	572.48	572.29	572.43	572.04	571.92	571.42	571.07	570.05	571.23
13	571.32	571.12	570.75	572.21	572.34	572.35	572.25	571.84	571.41	571.13	570.83	570.78
14	571.20	571.16	571.43	572.39	572.42	572.40	572.28	571.81	571.36	570.40	570.82	570.68
15	570.98	571.11	572.09	572.52	572.39	572.10	572.23	571.84	571.46	570.75	570.67	571.14
16	570.29	571.28	571.88	572.45	572.29	572.53	572.21	571.80	571.31	570.90	570.69	571.30
17	570.52*	572.10	571.67	572.13	572.31	572.28	572.07	571.84	571.39	571.09	570.99	571.55
18	571.19	571.24	571.89	572.41	572.29	572.29	571.99	571.78	571.17	570.92	571.08	571.22
19	571.26	570.96	571.98	572.50	572.12	572.23	572.14	571.53	571.36	570.88	571.11	571.25
20	571.20	571.03	572.27	572.40	572.20	572.12	572.29	571.50	571.11	569.81	571.04	570.87
21	571.59	571.11	571.66	572.28	572.53	572.02	572.21	571.90	571.25	570.82	571.06	571.20
22	571.56	571.10	571.85	572.40	572.56	572.20	572.23	571.51	571.32*	570.95	571.45	571.38
23	570.04	571.23	572.04	572.30	572.28	572.17	572.26	571.47	571.12*	570.94	571.15	571.44
24	569.62	571.84	572.09	572.38	572.19	572.21	572.16	571.70	571.00	571.01	570.94	571.46
25	571.01	571.24	572.09	572.47	572.24	572.13	572.00	571.43	571.32	570.96	570.48	571.34
26	571.01	571.15	571.85	572.48	572.25	572.31	572.07	571.56	571.37	570.89	570.75	571.45
27	571.11	571.26	572.06	572.59	572.32	572.27	572.28	571.56	571.41	570.94	571.24	571.78
28	570.53	571.36	572.10	572.57	572.36	572.27	572.09	571.66	571.39	570.88	571.25	570.60
29	571.05		572.18	572.52	572.33	572.32	572.13	571.55	571.52	570.61	570.65	571.10
30	571.11		572.10	572.48	572.36	572.41	572.10	571.50	571.35	570.75	571.15	571.38
31	572.10		571.85		572.41		571.96	571.58		570.83		571.50
MEAN	570.88	571.18	571.65	572.33	572.34	572.36	572.21	571.78	571.37	571.03	570.89	571.22
MAX.	573.13	572.57	572.55	572.95	572.79	573.29	572.81	572.31	572.38	572.30	571.75	572.16
	1600/31	0900/17	1600/15	0800/09	2000/22	0500/03	1100/28	0500/03	0300/07	2300/09	1200/22	0400/27
MIN.	566.80	569.26	570.00	568.56	572.00	571.48	571.55	570.79	570.71	568.31	568.99	568.57
	2200/04	0400/01	1200/09	2100/03	1000/20	0600/21	0400/28	0700/20	0500/18	1900/20	1900/12	2200/28

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

/ Indicates No Data.

ANNUAL MEAN: 571.60

ANNUAL SUMMARY OF LEVELS, 1982
Station 3085: Toledo, Ohio on Lake Erie

INTERNATIONAL
GREAT LAKES
DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	572.44	May	570.80	Jan
Daily mean elevation:	573.59	5 Apr	568.04	11 Jan
Instant/hourly Elevation:	575.83	2300/5 Apr	564.62	2200/4 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
572.23	31 Jan
572.11	17 Feb
572.55	15 Mar
573.59	5 Apr
572.98	22 May
573.22	3 Jun
572.49	4 Jul
572.32	6 Aug
572.11	7 Sep
572.31	9 Oct
571.74	10 Nov
571.98	27 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
568.04	11 Jan
570.66	1 Feb
571.01	1 Mar
569.42	3 Apr
572.08	19 May
571.84	15 Jun
571.71	11 Jul
571.23	25 Aug
570.94	3 Sep
568.88	20 Oct
569.02	5 Nov
569.80	28 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
573.40				1									573.40	1
573.20						1							573.20	2
573.00				1									573.00	3
572.80					2								572.80	5
572.60				6	2	3							572.60	16
572.40			2	10	12	8	3						572.40	51
572.20	1		3	1	13	10	14	1		1			572.20	95
572.00	1	1	8	5	2	6	6	3	1				572.00	128
571.80		1	2	4		2	7	11		1		1	571.80	157
571.60	2		1				1	8	1	2	3		571.60	175
571.40	2	2	10					5	15	3	1	8	571.40	221
571.20	7	13	2					3	6	2	3	10	571.20	267
571.00	6	8	3						4	7	6	4	571.00	305
570.80	1	2							3	8	3	1	570.80	323
570.60	3	1								2	6	3	570.60	338
570.40	2									2	4	3	570.40	349
570.20	1									1			570.20	351
570.00											2		570.00	353
569.80	1									1			569.80	355
569.60	1			1								1	569.60	358
569.40				1							1		569.40	360
569.20													569.20	360
569.00											1		569.00	361
568.80										1			568.80	362
568.60	1												568.60	363
568.40													568.40	363
568.20													568.20	363
568.00	2												568.00	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

Station 3085: Toledo, Ohio on Lake Erie

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	570.61	570.66	571.01	571.83	572.43	572.07	572.29	571.85	571.52	571.48	570.99	571.35
2	572.04	571.44	571.47	573.07	572.41	572.41	572.19	571.91	571.21	571.84	571.08	571.40
3	571.50	571.40	571.47	569.42	572.44	573.22	572.41	572.16	570.94	571.23	570.96	571.22
4	568.78	571.28	571.52	569.65	572.62	572.76	572.49	571.85	571.42	571.69	570.64	571.32
5	570.55	571.36	571.12	573.59	572.49	572.50	572.40	572.18	571.39	571.44	569.02	571.48
6	571.33	570.93	571.47	572.70	572.33	572.57	572.33	572.32	571.48	571.47	570.19	570.56
7	571.10	570.86	571.37	572.19	572.29	572.66	572.03	572.08	572.11	571.17	570.66	570.93
8	569.76	571.17	571.49	572.56	572.36	572.49	572.26	571.77	571.56	571.35	570.77	571.50
9	570.98	571.22	571.08	572.57	572.46	572.70	572.34	571.67	571.44	572.31	571.62	571.37
10	568.20	571.11	571.43	571.94	572.51	572.19	572.31	571.83	571.45	571.73	571.74	570.46
11	568.04	571.26	571.46	571.94	572.37	572.49	571.71	571.94	571.46	570.98	570.90	571.15
12	571.23	571.24	571.59	572.66	572.35	572.38	571.85	571.94	571.51	570.94	569.52	571.09
13	571.41	571.18	571.26	572.15	572.43	572.17	572.28	571.87	571.45	571.05	570.49	570.68
14	571.29	571.26	572.15	572.49	572.60	572.31	572.32	571.77	571.38	569.86	570.70	570.64
15	571.07	571.20	572.55	572.70	572.61	571.84	572.26	571.86	571.47	570.30	570.46	571.19
16	570.45	571.29	572.26	572.54	572.35	572.58	572.22	571.82	571.13	570.47	570.67	571.21
17	570.65	572.11	571.94	571.87	572.42	572.23	572.00	571.89	571.51	571.11	571.04	571.60
18	571.31	571.30	572.12	572.42	572.41	572.35	571.92	571.78	571.00	570.99	571.16	571.33
19	571.32	571.03	572.21	572.54	572.08	572.13	572.17	571.38	571.37	570.92	571.23	571.22
20	571.24	571.15	572.50	572.19	572.32	572.03	572.36	571.39	570.95	568.88	571.13	570.42
21	571.63	571.20	571.62	572.01	572.97	571.90	572.26	571.93	571.19	570.73	571.12	571.05
22	571.67	571.20	571.92	572.42	572.98	572.26	572.31	571.41	571.26	570.96	571.64	571.49
23	570.36	571.35	572.14	572.17	572.31	572.27	572.34	571.42	571.10	571.01	571.11	571.52
24	569.82	571.89	572.15	572.35	572.20	572.33	572.20	571.75	571.03	571.12	570.63	571.52
25	571.09	571.39	572.08	572.47	572.32	572.16	571.90	571.23	571.41	571.02	570.19	571.30
26	571.08	571.32	571.59	572.51	572.40	572.49	572.07	571.55	571.46	570.94	570.57	571.48
27	571.22	571.40	572.02	572.68	572.47	572.42	572.43	571.54	571.36	571.03	571.40	571.98
28	570.63	571.45	572.12	572.74	572.39	572.33	571.94	571.75	571.45	570.95	571.54	569.80
29	571.16		572.30	572.70	572.36	572.38	572.16	571.63	571.71	570.57	570.56	570.65
30	571.18		572.08	572.56	572.38	572.34	572.00	571.53	571.42	570.76	571.25	571.27
31	572.23		571.49		572.45		571.85	571.71		570.87		571.47
MEAN	570.80	571.27	571.77	572.25	572.44	572.37	572.18	571.76	571.37	571.01	570.83	571.15
MAX.	573.32	572.80	573.01	575.83	573.54	573.96	573.34	572.79	573.37	572.96	572.57	572.58
	1800/31	0900/17	1600/15	2300/05	0100/22	0400/03	2200/27	1600/25	0500/07	2100/09	0700/10	0500/27
MIN.	564.62	569.04	569.71	565.70	571.71	570.87	570.98	570.04	570.11	566.71	567.30	567.44
	2200/04	0700/01	1600/31	2000/03	0800/20	2300/15	0700/28	0800/25	1600/03	1900/20	2000/12	2100/28

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

/ Indicates No Data.

ANNUAL MEAN: 571.60

ANNUAL SUMMARY OF LEVELS, 1982

Station 3087: Monroe, Michigan on Lake Erie

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	572.44	May	570.82	Jan
Daily mean elevation:	573.19	5 Apr	568.27	10 Jan
Instant/hourly Elevation:	575.05	0100/6 Apr	565.38	2100/4 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
572.16	31 Jan
572.08	17 Feb
572.38	29 Mar
573.19	5 Apr
572.86	22 May
572.93	3 Jun
572.51	27 Jul
572.31	6 Aug
571.69	29 Sep
572.11	9 Oct
571.87	10 Nov
571.88	27 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
568.27	10 Jan
570.62	1 Feb
570.93	13 Mar
569.85	4 Apr
572.24	24 May
572.00	21 Jun
571.82	28 Jul
571.22	25 Aug
570.98	20 Sep
569.37	20 Oct
568.48	12 Nov
570.25	28 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
573.00				1									573.00	1
572.80				1	2	1							572.80	5
572.60				4	1	3							572.60	13
572.40				13	16	8	5						572.40	55
572.20			3	2	12	13	15	2					572.20	102
572.00	1	1	5	5		4	5	2		1			572.00	126
571.80	1		3	2		1	6	14			1	1	571.80	155
571.60		1	2					6	1	3			571.60	168
571.40	1		10					6	5	3	2	7	571.40	202
571.20	1	11	1					1	4	3	2	7	571.20	232
571.00	5	10	2						5	6	7	3	571.00	270
570.80	1	2	1						1	9	2	1	570.80	287
570.60	3	1								2	4	5	570.60	302
570.40										1	1	1	570.40	305
570.20										1	1	1	570.20	308
570.00	1			1						1			570.00	311
569.80				1									569.80	312
569.60													569.60	312
569.40													569.40	312
569.20	1									1	1		569.20	315
569.00													569.00	315
568.80													568.80	315
568.60													568.60	315
568.40											1		568.40	316
568.20	1												568.20	317

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

Station 3087: Monroe, Michigan on Lake Erie

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	570.69	570.62	/	571.88	572.45	572.13	572.33	571.93	/	571.42	571.03	571.33
2	571.98	571.38	571.52*	572.97	572.43	572.38	572.30	571.96	/	571.74	571.12	571.43
3	571.48	571.36	571.43	570.13	572.44	572.93	572.44	572.23	/	571.25	570.97	571.29
4	569.30	571.26	571.46	569.85	572.61	572.64	572.49	571.92	/	571.61	570.66	571.33
5	570.77	571.33	571.10	573.19	572.53	572.36	572.40	572.13	/	571.43	569.35	571.55
6	571.29	570.92	571.41	572.42	572.42	572.54	572.41	572.31	/	571.47	570.34	570.70
7	571.05	570.84	571.32	572.17	572.34	572.71	572.18	572.11	/	571.23	570.77	570.92
8	570.01	571.15	571.45	572.50	572.38	572.51	572.33	571.86	/	571.35	570.69*	571.38
9	570.94	571.20	571.04	572.48	572.44	572.69	572.37	571.73	/	572.11	571.37*	571.28
10	568.27	571.11	571.41	572.10	572.41*	572.27	572.47	571.86	/	571.75	571.87*	570.76*
11	/	571.25	571.43	571.99	572.43*	572.51	571.92	571.95	/	571.02	/	/
12	/	571.21	571.54	572.65	572.35	572.43	571.98	571.96	/	570.99	568.48*	/
13	/	571.17	570.93	572.20	572.42	572.22	572.31	571.90	/	571.04	570.44*	570.60*
14	/	571.23	571.55	572.45	572.58	572.38	572.38	571.82	/	570.04	/	570.78
15	/	571.19	572.29	572.65	572.56	572.11	572.30	571.89	571.37*	570.38	/	571.21
16	/	571.29	572.11	572.60	572.35	572.59	572.29	571.85	571.10	570.43	570.74	571.14*
17	/	572.08	571.80	572.04	572.41	572.30	572.12	571.86	571.49	571.06	571.02	/
18	/	571.27	571.99	572.45	572.43	572.41	571.99	571.82	571.02	571.02	571.12	/
19	/	571.02	572.00*	572.58	572.24	572.17	572.18	571.53	571.36	570.99	571.20	/
20	/	571.11	/	572.25	572.30	572.15	572.39	571.43	570.98	569.37	571.21	570.62*
21	/	571.16	/	572.07	572.84	572.00	572.27	571.85	571.19	570.70	571.10	571.03
22	/	571.15	/	572.42	572.86	572.30	572.31	571.56	571.22	570.96	571.54	571.50
23	/	571.28	572.15*	572.25	572.35	572.28	572.33	571.46	571.15	570.97	571.03	571.53
24	/	571.77	572.16	572.42	572.24	572.37	572.23	571.78	571.16	571.07	570.81*	571.53
25	/	571.28	572.02	572.52	572.31	572.23	571.99	571.22	571.41	570.97	/	571.42
26	571.06*	571.20*	571.56	572.51	572.40	572.47	572.09	571.62	571.43	570.93	/	571.41
27	571.20	/	571.94	572.50	572.47	572.42	572.51	571.53	571.32	571.01	/	571.88
28	570.62	/	572.09*	572.66	572.46	572.36	571.82	571.69	571.42	570.97	/	570.25
29	571.15		572.38*	572.63	572.39	572.34	572.23	571.68	571.69	570.68	/	570.72
30	571.16		572.25	572.56	572.39	572.30	572.11	571.57	571.41	570.82	571.42*	571.39
31	572.16		571.73		572.50		571.86	571.65		570.89		571.02
MEAN	570.82	571.22	571.71	572.27	572.44	572.38	572.24	571.80	571.30	571.02	570.83	571.15
MAX.	573.21	572.71	572.80	575.05	573.30	573.64	573.41	572.75	572.25	572.83	572.46	572.43
	1800/31	0800/17	1500/15	0100/06	2400/21	0700/16	2100/27	0400/03	1900/29	2100/09	0700/10	0500/27
MIN.	565.38	569.09	569.96	566.45	571.83	571.03	570.93	570.05	570.23	567.19	567.75	567.97
	2100/04	0600/01	1200/09	2100/03	0800/20	2200/15	0400/28	0800/25	0600/18	1900/20	1900/12	2300/28

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

/ Indicates No Data.

ANNUAL MEAN: 571.60

ANNUAL SUMMARY OF LEVELS, 1982

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

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	572.37	May	570.81	Jan
Daily mean elevation:	573.01	5 Apr	568.65	11 Jan
Instant/hourly Elevation:	574.74	0100/6 Apr	565.78	2100/4 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
572.12	31 Jan
572.01	17 Feb
572.25	20 Mar
573.01	5 Apr
572.75	22 May
572.77	3 Jun
572.36	4 Jul
572.20	6 Aug
571.89	7 Sep
572.02	9 Oct
571.60	10 Nov
571.84	27 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
568.65	11 Jan
570.60	1 Feb
570.90	13 Mar
569.94	4 Apr
572.16	19 May
571.95	21 Jun
571.83	31 Jul
571.21	25 Aug
570.94	18 Sep
569.51	20 Oct
569.49	5 Nov
570.43	28 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
573.00				1									573.00	1
572.80				1									572.80	2
572.60					2	3							572.60	7
572.40				13	6	5							572.40	31
572.20			3	6	21	14	15						572.20	90
572.00	1	1	5	5	2	7	10	4		1			572.00	126
571.80	1		5	2		1	6	8	1			1	571.80	151
571.60		1	2					10	1	2			571.60	167
571.40	3		5					7	8	2	3	7	571.40	202
571.20	5	11	7					2	12	5	2	10	571.20	256
571.00	9	11	2						5	6	9	5	571.00	303
570.80	1	3	2						3	8	2	4	570.80	326
570.60	2									3	8	2	570.60	341
570.40	2	1								2	2	2	570.40	350
570.20	1			1							2		570.20	354
570.00	1									1			570.00	356
569.80	2			1							1		569.80	360
569.60													569.60	360
569.40	1									1	1		569.40	363
569.20													569.20	363
569.00													569.00	363
568.80													568.80	363
568.60	2												568.60	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	570.71	570.60	570.95	571.91	572.38	572.10	572.26	571.88	571.54	571.38	570.99	571.29
2	571.91	571.34	571.38	572.84	572.37	572.29	572.18	571.89	571.25	571.69	571.09	571.37
3	571.42	571.32	571.39	570.40	572.38	572.77	572.33	572.12	570.99	571.23	570.92	571.26
4	569.52	571.22	571.43	569.94	572.52	572.54	572.36	571.85	571.40	571.55	570.70	571.23
5	569.96	571.28	571.07	573.01	572.47	572.28	572.33	572.03	571.43	571.39	569.49	571.51
6	571.26	570.89	571.37	572.32	572.36	572.48	572.31	572.20	571.36	571.43	570.36	570.71
7	571.02	570.81	571.28	572.13	572.30	572.61	572.08	572.01	571.89	571.22	570.79	570.93
8	570.07	571.11	571.40	572.43	572.31	572.46	572.21	571.84	571.50	571.31	570.76	571.34
9	570.93	571.16	571.02	572.44	572.36	572.63	572.25	571.66	571.40	572.02	571.31	571.21
10	568.74	571.07	571.36	572.10	572.43	572.20	572.32	571.78	571.42	571.68	571.60	570.65
11	568.65	571.21	571.38	572.00	572.37	572.44	571.90	571.87	571.44	571.03	571.01	571.04
12	571.19	571.17	571.48	572.60	572.29	572.37	571.87	571.89	571.47	571.01	569.97	571.02
13	571.35	571.13	570.90	572.20	572.36	572.18	572.23	571.85	571.44	571.04	570.54	570.91
14	571.24	571.19	571.47	572.38	572.49	572.31	572.31	571.77	571.34	570.12	570.76	570.82
15	571.04	571.14	572.04	572.58	572.46	572.10	572.22	571.82	571.39	570.41	570.52	571.16
16	570.42	571.22	571.88	572.54	572.28	572.47	572.22	571.78	571.07	570.42	570.75	571.07
17	570.62	572.01	571.68	572.02	572.34	572.26	572.08	571.78	571.44	571.06	571.03	571.51
18	571.25	571.22	571.88	572.41	572.36	572.34	571.98	571.75	570.94	571.03	571.09	571.48
19	571.26	570.98	571.95	572.55	572.16	572.11	572.11	571.51	571.36	570.98	571.18	571.21
20	571.18	571.08	572.25	572.27	572.22	572.17	572.22	571.38	570.97	569.51	571.19	570.48
21	571.56	571.12	571.60	572.06	572.68	571.95	572.19	571.78	571.15	570.70	571.06	571.02
22	571.57	571.11	571.86	572.36	572.75	572.25	572.21	571.58	571.18	570.90	571.45	571.49
23	570.30	571.23	572.05	572.25	572.28	572.22	572.20	571.43	571.12	570.93	571.04	571.50
24	569.81	571.72	572.11	572.40	572.17	572.31	572.13	571.73	571.17	571.03	570.62	571.50
25	571.03	571.23	572.01	572.46	572.24	572.20	571.92	571.21	571.36	570.93	570.39	571.40
26	571.03	571.17	571.55	572.46	572.32	572.38	572.01	571.58	571.40	570.89	570.62	571.38
27	571.16	571.26	571.88	572.41	572.40	572.33	572.35	571.49	571.30	570.97	571.26	571.84
28	570.59	571.35	572.11	572.58	572.39	572.29	571.87	571.64	571.39	570.94	571.46	570.43
29	571.10		572.23	572.54	572.34	572.30	572.11	571.64	571.65	570.71	570.64	570.86
30	571.10		572.22	572.48	572.33	572.23	572.03	571.56	571.38	570.80	571.19	571.29
31	572.12		571.75		572.42		571.83	571.60		570.86		571.49
MEAN	570.81	571.19	571.64	572.24	572.37	572.32	572.15	571.74	571.34	571.01	570.86	571.17
MAX.	573.19	572.63	572.63	574.74	573.08	573.40	573.20	572.55	572.81	572.74	572.27	572.38
	1800/31	0800/17	1000/31	0100/06	2000/22	0700/16	2100/27	0400/03	0400/07	2100/09	0700/10	0400/27
MIN.	565.78	569.06	569.93	566.86	571.89	571.15	570.80	570.26	570.20	567.29	567.96	568.16
	2100/04	0600/01	1200/09	2100/03	0800/20	2200/15	0600/28	0700/25	0600/18	1900/20	2000/12	2300/28

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

/ Indicates No Data.

ANNUAL MEAN: 571.57

ANNUAL SUMMARY OF LEVELS, 1982
Station 4020: Gibraltar, Michigan on Detroit River

INTERNATIONAL
GREAT LAKES
DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	572.51	May	571.12	Nov
Daily mean elevation:	572.98	5 Apr	569.60	10 Jan
Instant/hourly Elevation:	574.52	2400/5 Apr	567.17	2300/4 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
572.33	31 Jan
572.17	17 Feb
572.38	30 Mar
572.98	5 Apr
572.82	22 May
572.81	3 Jun
572.58	10 Jul
572.37	6 Aug
572.05	7 Sep
572.15	9 Oct
571.81	10 Nov
572.00	27 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
569.60	10 Jan
571.14	1 Feb
571.17	13 Mar
570.20	4 Apr
572.31	24 May
572.14	21 Jun
572.02	31 Jul
571.47	25 Aug
571.20	18 Sep
570.22	20 Oct
570.07	5 Nov
570.74	20 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
572.80				2	1	1							572.80	4
572.60				6	4	4							572.60	18
572.40				10	22	14	13						572.40	77
572.20	1		6	6	4	10	14	3					572.20	121
572.00	1	1	5	4		1	4	9	1	1			572.00	148
571.80	2	1	4					13	1	2	1	2	571.80	174
571.60	2	2	9					5	14	3	1	7	571.60	217
571.40	9	13	3					1	8	4	4	8	571.40	267
571.20	3	9	3						5	7	9	5	571.20	308
571.00	4	2	1	1					1	9	5	6	571.00	337
570.80	4									1	5	2	570.80	349
570.60										2	3	1	570.60	355
570.40	1									1	1		570.40	358
570.20	2									1			570.20	361
570.00				1							1		570.00	363
569.80													569.80	363
569.60	1												569.60	364
569.40	1												569.40	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

Station 4020: Gibraltar, Michigan on Detroit River

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	571.00	571.14	571.21	572.05	572.51	572.27	572.46	572.10	571.78	571.59	571.24	571.48
2	572.07	571.65	571.59	572.95	572.49	572.41	572.44	572.10	571.50	571.89	571.34	571.57
3	571.57	571.63	571.60	571.05	572.50	572.81	572.56	572.33	571.24	571.47	571.15	571.50
4	570.31	571.51	571.66	570.20	572.65	572.67*	572.58	572.07	571.64	571.74	570.95	571.45
5	571.02	571.59	571.34	572.98	572.62	572.37	572.53	572.20	571.70	571.61	570.07	571.76
6	571.44	571.27	571.61	572.29	572.52	572.60	572.56	572.37	571.58	571.66	570.73	570.99
7	571.19	571.16	571.51	572.24	572.44	572.76	572.35	572.22	572.05	571.47	571.11	571.14
8	570.52	571.38	571.66	572.54	572.43	572.62	572.39*	572.06	571.73	571.54	571.01	571.51
9	571.12	571.43	571.31	572.54	572.46	572.77	572.52*	571.89	571.64	572.15	571.47	571.36
10	569.60	571.33	571.61	572.30	572.56	572.36	572.58	571.99	571.66	571.91	571.81	571.03
11	569.67	571.43	571.62	572.17	572.53	572.60	572.26	572.07	571.68	571.29	571.28	571.22
12	571.58	571.38	571.71	572.74	572.43	572.54	572.15	572.10	571.71	571.26	570.45	571.20
13	571.69	571.36	571.17	572.32	572.49	572.34	572.42	572.08	571.68	571.28	570.82	571.32
14	571.67	571.45	571.64	572.51	572.61	572.48	572.50	571.99	571.57	570.55	571.06	571.19
15	571.50	571.46	572.21	572.70	572.56	572.34	572.41	572.03	571.59	570.70	570.79	571.37
16	570.98	571.48	572.10	572.69	572.42	572.58	572.44	572.00	571.29	570.68	571.07	571.24
17	571.02	572.17	571.83	572.19	572.48	572.43	572.32	571.96	571.69	571.27	571.23	571.69
18	571.55	571.49	572.03	572.54	572.51	572.52	572.21	571.97	571.20	571.32	571.28	571.85
19	571.57	571.26	572.09	572.68	572.34	572.28	572.30	571.77	571.62	571.26	571.38	571.46
20	571.52	571.35	572.38	572.39	572.34	572.37	572.39	571.65	571.22	570.22	571.42	570.74
21	571.86	571.36	571.77	572.17	572.77	572.14	572.38	571.97	571.39	570.93	571.26	571.20
22	571.87	571.36	571.99	572.49	572.82	572.41	572.39	571.91	571.41	571.12	571.60	571.74
23	570.89	571.46	572.20	572.39	572.43	572.39	572.38	571.68	571.38	571.15	571.22	571.71
24	570.34	571.92	572.26	572.54	572.31	572.49	572.34	571.96	571.53	571.24	570.85	571.69
25	571.32	571.51	572.13	572.60	572.37	572.40	572.13	571.47	571.59	571.14	570.73	571.65
26	571.34	571.46	571.67	572.56	572.46	572.53	572.21	571.82	571.62	571.13	570.92	571.55
27	571.46	571.54	571.98	572.45	572.54	572.53	572.53	571.70	571.53	571.20	571.45	572.00
28	570.99	571.58	572.27	572.69	572.55	572.47	572.08	571.83	571.62	571.20	571.69	570.97
29	571.41		572.36	572.64	572.50	572.47	572.34	571.89	571.88	571.03	570.93	571.08
30	571.39		572.38	572.59	572.48	572.39	572.27	571.81	571.62	571.08	571.40	571.48
31	572.33		571.94		572.59		572.02	571.80		571.11		571.73
MEAN	571.22	571.47	571.83	572.37	572.51	572.48	572.37	571.96	571.58	571.26	571.12	571.42
MAX.	573.28	572.75	572.71	574.52	573.17	573.54	573.34	572.76	572.93	572.86	572.44	572.81
	1800/31	0800/17	1400/15	2400/05	2000/22	0700/16	2100/27	0400/03	0400/07	2100/09	0700/10	0900/28
MIN.	567.17	570.15	570.35	567.97	571.99	571.34	571.05	570.40	570.61	568.22	568.62	568.87
	2300/04	0700/01	1200/09	2200/03	1600/28	0300/21	0600/28	0800/25	0300/18	2000/20	1900/12	2300/28

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

/ Indicates No Data.

ANNUAL MEAN: 571.80

ANNUAL SUMMARY OF LEVELS, 1982
Station 4030: Wyandotte, Michigan on Detroit River

INTERNATIONAL
GREAT LAKES
DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	573.58	Jun	572.52	Nov
Daily mean elevation:	573.86	5 Apr	571.67	11 Jan
Instant/hourly Elevation:	574.95	0100/6 Apr	570.39	2000/4 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
573.31	31 Jan
573.32	17 Feb
573.52	20 Mar
573.86	5 Apr
573.76	22 May
573.81	3 Jun
573.69	4 Jul
573.49	6 Aug
573.22	7 Sep
573.18	9 Oct
572.94	28 Nov
573.25	27 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
571.67	11 Jan
572.39	7 Feb
572.63	13 Mar
572.11	4 Apr
573.39	19 May
573.40	21 Jun
573.31	31 Jul
572.94	25 Aug
572.64	20 Sep
571.87	20 Oct
571.82	5 Nov
572.41	20 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
573.80				2		1							573.80	3
573.60				9	3	11	5						573.60	31
573.40			2	12	27	17	21	2					573.40	112
573.20	1	1	13	5	1	1	5	15	1			1	573.20	156
573.00	3	5	8					13	2	3		2	573.00	192
572.80	5	12	6					1	19	4	4	13	572.80	256
572.60	9	6	2	1					8	5	8	10	572.60	305
572.40	8	3								12	10	5	572.40	343
572.20	2	1								5	5		572.20	356
572.00				1						1	2		572.00	360
571.80	2									1	1		571.80	364
571.60	1												571.60	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

Station 4030: Wyandotte, Michigan on Detroit River

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	572.46	572.64	572.69	573.24	573.52	573.43	573.59	573.32	573.05	572.91	572.56	572.80
2	573.02	572.92	572.84	573.84	573.52	573.54	573.54	573.35	572.87	573.06	572.66	572.84
3	572.61	572.95	572.89	572.64	573.52	573.81	573.64	573.44	572.69	572.78	572.59	572.76
4	571.94	572.92	572.93	572.11	573.59	573.68	573.69	573.31	572.95	572.95	572.41	572.83
5	572.40	572.87	572.87	573.86	573.55	573.55	573.65	573.40	572.94	572.86	571.82	572.98
6	572.80	572.65	573.16	573.67	573.47	573.64	573.63	573.49	572.94	572.88	572.12	572.50
7	572.70	572.39	573.20	573.50	573.45	573.72	573.44	573.40	573.22	572.75	572.40	572.64
8	572.34	572.55	573.24	573.63	573.47	573.65	573.56	573.30	572.99	572.80	572.39	572.91
9	572.79	572.64	573.13	573.62	573.48	573.74	573.57	573.18	572.94	573.18	572.71	572.84
10	572.45	572.59	573.12	573.38	573.52	573.49	573.63	573.24	572.95	573.08	572.91	572.56
11	571.67	572.58	573.03	573.32	573.50	573.61	573.36	573.30	572.93	572.62	572.54	572.71
12	572.56	572.77	572.98	573.66	573.46	573.58	573.32	573.33	572.95	572.56	572.02	572.68
13	572.78	572.76	572.63	573.41	573.50	573.46	573.54	573.29	572.94	572.61	572.26	572.63
14	572.88	572.82	572.97	573.59	573.57	573.55	573.56	573.23	572.91	572.17	572.46	572.55
15	572.88	572.79	573.41	573.69	573.52	573.41	573.51	573.26	572.93	572.23	572.29	572.71
16	572.52	572.89	573.39	573.64	573.46	573.66	573.53	573.23	572.74	572.26	572.43	572.71
17	572.43	573.32	573.24	573.31	573.50	573.54	573.44	573.23	572.92	572.58	572.54	572.98
18	572.74	573.05	573.33	573.56	573.49	573.61	573.37	573.22	572.69	572.60	572.61	573.02
19	572.84	572.89	573.38	573.68	573.39	573.49	573.49	573.01	572.90	572.55	572.64	572.82
20	572.99	572.86	573.52	573.48	573.44	573.50	573.54	573.02	572.64	571.87	572.67	572.41
21	573.16	572.84	573.16	573.30	573.66	573.40	573.52	573.19	572.75	572.29	572.61	572.64
22	573.09	572.84	573.26	573.55	573.76	573.56	573.53	573.06	572.76	572.46	572.85	572.95
23	572.62	572.87	573.37	573.45	573.51	573.54	573.53	573.01	572.73	572.50	572.69	572.94
24	571.99	573.11	573.38	573.52	573.46	573.57	573.49	573.16	572.78	572.55	572.47	572.92
25	572.48	573.03	573.32	573.58	573.46	573.51	573.35	572.94	572.85	572.52	572.36	572.90
26	572.57	573.01	573.05	573.57	573.51	573.63	573.42	573.04	572.89	572.50	572.49	572.93
27	572.71	573.03	573.23	573.58	573.57	573.62	573.60	573.02	572.87	572.53	572.81	573.25
28	572.53	572.99	573.35	573.65	573.59	573.60	573.44	573.11	572.92	572.51	572.94	572.49
29	572.75		573.39	573.61	573.57	573.63	573.52	573.11	573.06	572.36	572.48	572.64
30	572.81		573.38	573.58	573.57	573.55	573.44	573.08	572.90	572.38	572.77	572.93
31	573.31		573.08		573.61		573.31	573.10		572.47		573.07
MEAN	572.64	572.84	573.16	573.47	573.52	573.58	573.51	573.21	572.89	572.59	572.52	572.79
MAX.	573.82	573.58	573.67	574.95	573.96	574.14	574.06	573.66	573.68	573.58	573.27	573.53
	1800/31	0900/17	1700/15	0100/06	1900/22	0800/16	2200/27	0500/03	0500/07	2300/09	0700/10	0800/28
MIN.	570.39	572.08	572.19	571.17	573.24	573.05	572.98	572.38	572.42	570.88	571.18	571.26
	2000/04	1700/07	1700/31	2300/03	0900/20	0400/21	0700/28	0700/25	1600/03	2100/20	1700/12	1900/28

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

/ Indicates No Data.

ANNUAL MEAN: 573.06

ANNUAL SUMMARY OF LEVELS, 1982

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

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	573.94	Jun	572.99	Nov
Daily mean elevation:	574.16	2 Apr	572.39	5 Nov
Instant/hourly Elevation:	574.99	0100/6 Apr	571.19	2000/4 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
573.94	14 Jan
573.56	17 Feb
573.92	20 Mar
574.16	2 Apr
574.04	22 May
574.09	3 Jun
574.07	4 Jul
573.86	6 Aug
573.62	7 Sep
573.56	9 Oct
573.35	28 Nov
573.68	27 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
572.45	4 Jan
573.14	7 Feb
573.11	1 Mar
572.71	4 Apr
573.75	19 May
573.77	15 Jun
573.74	31 Jul
573.43	25 Aug
573.14	20 Sep
572.42	20 Oct
572.39	5 Nov
572.96	20 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
574.00				6	1	4	4						574.00	15
573.80	4		3	16	27	25	22	3					573.80	115
573.60	7		12	6	3	1	5	16	1			1	573.60	167
573.40	7	6	9					12	3	3		6	573.40	213
573.20	5	17	4						21	7	5	11	573.20	283
573.00	3	2	3	1					5	6	11	12	573.00	326
572.80	4									9	9	1	572.80	349
572.60				1						5	3		572.60	358
572.40	1									1	1		572.40	361
572.20											1		572.20	362

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	572.95	573.45	573.11	573.66	573.88	573.82	573.97	573.73	573.48	573.36	573.03	573.25
2	573.40	573.48	573.20	574.16	573.87	573.93	573.92	573.75	573.34	573.48	573.13	573.28
3	573.03	573.41	573.24	573.14	573.87	574.09	574.01	573.81	573.20	573.24	573.06	573.21
4	572.45	573.41	573.39	572.71	573.93	574.02	574.07	573.74	573.40	573.38	572.91	573.30
5	572.92	573.40	573.37	574.14	573.88	573.93	574.04	573.80	573.39	573.31	572.39	573.41
6	573.27	573.26	573.52	574.08	573.81	573.98	574.01	573.86	573.40	573.32	572.62	573.01
7	573.20	573.14	573.55	573.92	573.79	574.05	573.85	573.81	573.62	573.21	572.86	573.14
8	572.89	573.20	573.60	574.01	573.82	574.00	573.95	573.73	573.44	573.25	572.88	573.37
9	573.29	573.30	573.52	573.99	573.83	574.06	573.95	573.62	573.39	573.56	573.13	573.32
10	573.17	573.29	573.51	573.76	573.86	573.87	573.98	573.67	573.40	573.48	573.31	573.08
11	573.28	573.34	573.41	573.73	573.82	573.96	573.75	573.73	573.37	573.08	572.98	573.20
12	573.50	573.39*	573.37	573.99	573.80	573.94	573.74	573.74	573.39	573.02	572.55	573.17
13	573.63	/	573.12	573.80	573.84	573.84	573.93	573.71	573.37	573.07	572.76	573.08
14	573.94	/	573.41	573.95	573.89	573.92	573.92	573.68	573.36	572.70	572.93	573.03
15	573.89	/	573.80	574.03	573.87	573.77	573.89	573.68	573.38	572.75	572.80	573.17
16	573.69	573.35*	573.82	573.99	573.81	573.99	573.90	573.65	573.22	572.79	572.90	573.19
17	573.41	573.56	573.70	573.72	573.84	573.90	573.81	573.66	573.36	573.03	573.01	573.42
18	573.57	573.39	573.77	573.92	573.83	573.98	573.76	573.64	573.18	573.05	573.05	573.43
19	573.62	573.27	573.82	574.03	573.75	573.89	573.88	573.45	573.36	573.02	573.08	573.29
20	573.71	573.26	573.92	573.86	573.81	573.88	573.92	573.48	573.14	572.42	573.11	572.96
21	573.85	573.23	573.64	573.70	573.96	573.81	573.90	573.61	573.20	572.76	573.06	573.13
22	573.84	573.23	573.70	573.92	574.04	573.95	573.90	573.47	573.22	572.93	573.27	573.38
23	573.50	573.24	573.79	573.83	573.86	573.93	573.90	573.45	573.18	572.96	573.17	573.37
24	572.99	573.42	573.78	573.88	573.81	573.95	573.87	573.58	573.21	573.00	573.00	573.36
25	573.41	573.39	573.74	573.94	573.82	573.89	573.76	573.43	573.28	572.98	572.90	573.35
26	573.70	573.38	573.52	573.94	573.85	573.99	573.82	573.47	573.30	572.96	573.01	573.41
27	573.65	573.39	573.66	573.95	573.92	573.98	573.95	573.49	573.33	572.97	573.26	573.68
28	573.38	573.35	573.74	573.99	573.94	573.98	573.85	573.54	573.37	572.94	573.35	573.04
29	573.50		573.76	573.96	573.95	574.00	573.92	573.54	573.47	572.80	573.00	573.15
30	573.45		573.74	573.92	573.94	573.95	573.83	573.52	573.35	572.83	573.24	573.42
31	573.73		573.51		573.97		573.74	573.54		572.90		573.53
MEAN	573.41	573.34	573.57	573.85	573.87	573.94	573.89	573.63	573.34	573.05	572.99	573.26
MAX.	574.08	573.73	574.01	574.99	574.15	574.33	574.23	573.98	573.98	573.90	573.57	573.83
	1900/31	0900/17	1500/20	0100/06	2100/22	0800/16	0700/04	0500/03	0500/07	2300/09	0700/10	0800/28
MIN.	571.19	572.93	572.83	571.96	573.65	573.54	573.54	573.09	573.00	571.66	571.92	571.88
	2000/04	1700/07	1700/31	2200/03	1600/19	0400/21	0400/12	0900/25	0800/18	2100/20	1700/12	1800/28

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

/ Indicates No Data.

ANNUAL MEAN: 573.51

ANNUAL SUMMARY OF LEVELS, 1982

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

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST		
Monthly mean elevation:	574.68	Jun	573.85	Nov
Daily mean elevation:	575.01	6 Apr	573.34	20 Oct
Instant/hourly Elevation:	575.59	0300/6 Apr	572.47	1800/4 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
574.47	22 Jan
574.19	1 Feb
574.70	20 Mar
575.01	6 Apr
574.69	22 May
574.80	3 Jun
574.81	4 Jul
574.59	6 Aug
574.35	7 Sep
574.24	9 Oct
574.17	28 Nov
574.51	27 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
573.38	4 Jan
573.82	9 Feb
573.93	1 Mar
573.91	4 Apr
574.48	19 May
574.47	15 Jun
574.48	11 Jul
574.21	22 Aug
573.98	24 Sep
573.34	20 Oct
573.41	5 Nov
573.88	14 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
575.00				1									575.00	1
574.80				3			1						574.80	5
574.60			4	16	7	28	21						574.60	81
574.40	6		12	8	24	2	9	18				1	574.40	161
574.20	11		4					13	7	2		6	574.20	204
574.00	9	12	7	1					22	8	5	17	574.00	285
573.80	3	16	4	1					1	10	14	6	573.80	340
573.60	1									10	7		573.60	358
573.40											3		573.40	361
573.20	1									1			573.20	363

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	573.86	574.19	573.93	574.49	574.60	574.60	574.72	574.52	574.27	574.19	573.84	/
2	574.08	574.11	573.94	574.84	574.57	574.71	574.66	574.56	574.18	574.22	573.93	574.11*
3	573.79	574.05	573.97	574.03	574.58	574.80	574.74	574.55	574.10	574.10	573.93	574.02
4	573.38	574.06	574.05	573.91	574.58	574.74	574.81	574.54	574.21	574.15	573.83	574.17
5	573.81	574.01	574.07	574.87	574.55	574.72	574.80	574.58	574.17	574.11	573.41	574.18
6	574.06	573.93	574.13	575.01	574.49	574.71	574.72	574.59	574.26	574.09	573.51	573.95
7	574.07	573.86	574.18	574.81	574.50	574.73	574.61	574.57	574.35	574.02	573.68	574.10
8	573.93	573.82	574.23	574.79	574.55	574.71	574.71	574.53	574.24	574.08	573.75	574.27
9	574.22	573.82	574.20	574.76	574.55	574.73	574.68	574.46	574.19	574.24	573.93	574.27
10	574.12	573.84	574.21	574.52	574.56	574.64	574.70	574.48	574.20	574.20	574.03	574.00
11	574.15	573.86	574.14	574.54	574.51	574.66	574.48	574.54	574.17	573.92	573.80	574.16
12	574.34	573.87	574.10	574.65	574.50	574.65	574.55	574.52	574.17	573.86	573.43	574.12
13	574.42	573.89	573.97	574.57	574.54	574.61	574.67	574.50	574.16	573.90	573.68	573.90
14	574.41	573.91	574.22	574.70	574.56	574.62	574.65	574.48	574.17	573.64	573.78	573.88
15	574.40	573.86	574.52	574.72	574.55	574.47	574.63	574.48	574.21	573.71	573.74	574.02
16	574.37	573.90	574.62	574.69	574.53	574.73	574.60	574.45	574.13	573.74	573.77	574.12
17	574.43	574.06	574.60	574.49	574.54	574.64	574.55	574.48	574.14	573.87	573.87	574.26
18	574.43	574.06	574.63	574.68	574.53	574.71	574.53	574.45	574.09	573.84	573.89	574.14
19	574.38	574.00	574.68	574.76	574.48	574.69	574.66	574.27	574.15	573.81	573.89	574.15
20	574.34	573.97	574.70	574.62	574.55	574.63	574.69	574.33	574.03	573.34	573.88	573.98
21	574.43	573.98	574.58	574.53	574.61	574.65	574.65	574.40	574.06	573.64	573.93	574.09
22	574.47	573.98	574.57	574.68	574.69	574.72	574.67	574.21	574.06	573.77	574.09	574.16
23	574.31	573.95	574.59	574.55	574.61	574.68	574.67	574.30	574.04	573.78	574.08	574.18
24	574.13	574.05	574.56	574.60	574.59	574.67	574.62	574.34	573.98	573.84	573.99	574.17
25	574.26	574.04	574.55	574.66	574.56	574.65	574.56	574.31	574.08	573.83	573.89	574.15
26	574.33	574.04	574.46	574.66	574.56	574.73	574.60	574.26	574.11	573.83	573.99	574.31
27	574.31	574.06	574.53	574.75	574.60	574.70	574.66	574.32	574.17	573.82	574.13	574.51
28	574.15	574.05	574.50	574.68	574.65	574.72	574.73	574.36	574.20	573.77	574.17	573.94
29	574.10		574.51	574.65	574.66	574.77	574.70	574.31	574.22	573.64	573.94*	574.16
30	574.07		574.45	574.62	574.67	574.73	574.60	574.31	574.16	573.67	/	574.37
31	574.22		574.30		574.68		574.58	574.36		573.76		574.39
MEAN	574.19	573.97	574.34	574.63	574.57	574.68	574.65	574.43	574.16	573.88	573.85	574.14
MAX.	574.53	574.26	574.75	575.59	574.78	575.00	574.90	574.71	574.48	574.44	574.25	574.56
	0200/23	0100/01	0700/20	0300/06	1100/22	1700/02	1300/04	2100/04	0300/07	0200/10	1100/28	0700/27
MIN.	572.47	573.78	573.69	573.27	574.20	574.06	574.25	574.03	573.79	572.76	572.60	572.82
	1800/04	1900/08	1600/31	1500/03	0700/02	1800/15	1600/17	1700/29	0300/22	1200/20	1500/12	1800/28

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

/ Indicates No Data.

ANNUAL MEAN: 574.29

ANNUAL SUMMARY OF LEVELS, 1982

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

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	574.84	Jun	574.10	Oct
Daily mean elevation:	575.01	4 Jul	573.78	20 Oct
Instant/hourly Elevation:	575.23	2000/5 Apr	573.19	1600/12 Nov

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
574.61	17 Jan
574.43	1 Feb
574.90	20 Mar
575.00	2 Apr
574.85	31 May
574.91	29 Jun
575.01	4 Jul
574.74	6 Aug
574.50	7 Sep
574.40	10 Oct
574.40	28 Nov
574.71	27 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
574.09	4 Jan
574.00	9 Feb
574.15	2 Mar
574.18	4 Apr
574.66	19 May
574.75	15 Jun
574.73	25 Jul
574.46	22 Aug
574.24	24 Sep
573.78	20 Oct
573.83	5 Nov
574.20	14 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
575.00							1						575.00	1
574.80			5	16	5	26	20						574.80	73
574.60	1		11	12	26	4	10	18				3	574.60	158
574.40	17	1	5	1				13	7			8	574.40	210
574.20	10	12	7						23	10	10	19	574.20	301
574.00	3	13	3	1						11	13	1	574.00	346
573.80		2								9	7		573.80	364
573.60										1			573.60	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	574.12	574.43	574.19	574.67	574.77	574.80	574.87	574.71	574.48	574.37	574.06	574.31
2	574.35	574.30	574.15	575.00	574.76	574.84	574.84	574.73	574.40	574.40	574.15	574.32
3	574.34	574.25	574.16	574.52	574.73	574.87	574.89	574.73	574.32	574.29	574.15	574.28
4	574.09	574.26	574.21	574.18	574.74	574.86	575.01	574.72	574.43	574.33	574.08	574.37
5	574.16	574.21	574.27	574.92	574.73	574.85	574.97	574.73	574.40	574.31	573.83	574.42
6	574.32	574.16	574.32	574.96	574.68	574.86	574.92	574.74	574.44	574.29	573.86	574.24
7	574.32	574.05	574.38	574.96	574.68	574.88	574.82	574.73	574.50	574.24	573.97	574.33
8	574.33	574.00	574.42	574.95	574.71	574.86	574.87	574.73	574.44	574.26	573.98	574.44
9	574.49	574.00	574.44	574.90	574.69	574.88	574.85	574.65	574.41	574.38	574.11	574.43
10	574.51	574.02	574.41	574.76	574.71	574.81	574.88	574.65	574.40	574.40	574.22	574.31
11	574.44	574.02	574.33	574.73	574.68	574.82	574.73	574.69	574.37	574.14	574.06	574.33
12	574.49	574.02	574.28	574.82	574.67	574.81	574.73	574.69	574.37	574.11	573.85	574.31
13	574.53	574.05	574.30	574.74	574.68	574.78	574.82	574.68	574.36	574.12	573.91	574.24
14	574.55	574.08	574.44	574.85	574.69	574.78	574.82	574.66	574.35	573.95	574.04	574.20
15	574.56	574.05	574.67	574.88	574.70	574.75	574.81	574.63	574.39	573.93	573.98	574.23
16	574.56	574.07	574.80	574.87	574.69	574.86	574.80	574.62	574.32	573.92	574.03	574.26
17	574.61	574.20	574.83	574.74	574.69	574.84	574.76	574.63	574.35	574.08	574.08	574.46
18	574.58	574.26	574.85	574.85	574.69	574.87	574.74	574.61	574.30	574.08	574.11	574.42
19	574.55	574.25	574.86	574.94	574.66	574.85	574.81	574.49	574.35	574.07	574.11	574.35
20	574.51	574.22	574.90	574.82	574.70	574.83	574.83	574.52	574.24	573.78	574.14	574.21
21	574.56	574.20	574.86	574.72	574.73	574.85	574.82	574.54	574.25	573.86	574.13	574.30
22	574.56	574.20	574.80	574.84	574.81	574.88	574.82	574.46	574.26	573.95	574.26	574.40
23	574.57	574.17	574.80	574.77	574.77	574.86	574.81	574.50	574.25	573.97	574.26	574.40
24	574.39	574.23	574.76	574.79	574.75	574.84	574.80	574.53	574.24	574.03	574.22	574.37
25	574.44	574.26	574.74	574.82	574.72	574.83	574.73	574.48	574.28	574.03	574.22	574.40
26	574.51	574.26	574.70	574.80	574.72	574.87	574.76	574.48	574.30	574.02	574.25	574.53
27	574.50	574.26	574.74	574.81	574.75	574.86	574.80	574.50	574.33	574.03	574.34	574.71
28	574.37	574.25	574.74	574.80	574.81	574.88	574.86	574.52	574.40	574.01	574.40	574.43
29	574.28		574.71	574.80	574.82	574.91	574.87	574.53	574.43	573.93	574.24	574.45
30	574.26		574.68	574.77	574.84	574.86	574.81	574.51	574.36	573.92	574.31	574.61
31	574.36		574.58		574.85		574.76	574.53		573.97		574.63
MEAN	574.43	574.17	574.56	574.80	574.73	574.84	574.83	574.61	574.36	574.10	574.11	574.38
MAX.	574.75	574.51	574.93	575.23	574.92	575.02	575.10	574.84	574.63	574.67	574.52	574.77
	0300/04	0400/01	2000/20	2000/05	2400/31	1900/20	1200/04	0900/02	0300/07	0200/10	1200/28	0600/28
MIN.	573.50	573.97	574.13	573.79	574.54	574.56	574.56	574.32	574.17	573.43	573.19	573.76
	1500/04	2300/08	1500/02	1000/04	1700/19	1800/15	2100/11	0700/25	0300/21	2000/20	1600/12	1800/28

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

/ Indicates No Data.

ANNUAL MEAN: 574.49

ANNUAL SUMMARY OF LEVELS, 1982
Station 4070: Algonac, Michigan on St. Clair River

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	575.30	Jul	574.74	Nov
Daily mean elevation:	575.79	3 Apr	574.52	31 Oct
Instant/hourly Elevation:	576.66	1500/3 Apr	574.45	1800/30 Oct

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
575.37	11 Jan
575.09	17 Feb
575.36	21 Mar
575.79	3 Apr
575.26	30 May
575.36	20 Jun
575.40	11 Jul
575.28	9 Aug
575.05	3 Sep
575.00	20 Oct
575.02	25 Nov
575.48	28 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
574.66	2 Jan
574.62	7 Feb
574.76	1 Mar
575.13	27 Apr
575.08	13 May
575.14	3 Jun
575.24	23 Jul
575.00	31 Aug
574.78	26 Sep
574.52	31 Oct
574.58	19 Nov
574.78	15 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
575.60				1									575.60	1
575.40				1								1	575.40	3
575.20	3		11	23	5	19	28	13				3	575.20	108
575.00	14	5	9	5	26	11		17	5		1	6	575.00	207
574.80	10	15	8					1	23	7	6	20	574.80	297
574.60	3	7	3						2	22	19	1	574.60	354
574.40										2	4		574.40	360

INTERNATIONAL
GREAT LAKES
DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

Station 4070: Algonac, Michigan on St. Clair River

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	574.72	574.99	574.76	575.32	575.17	575.25	575.34	575.26	575.01	574.85	574.58	574.81
2	574.66	574.92	574.80	575.30	575.17	575.18	575.32	575.25	575.05	574.84	574.73	574.81
3	574.72	575.01	574.81	575.79	575.15	575.14	575.32	575.24	575.05	574.84	574.76	574.88
4	575.26	574.96	574.89	575.40	575.12	575.18	575.39	575.24	575.02	574.83	574.80	574.92
5	574.85	574.90	574.96	575.17	575.10	575.18	575.38	575.22	575.04	574.79	574.97	575.00
6	574.82	574.82	575.00	575.30	575.11	575.22	575.35	575.24	574.98	574.78	574.80	575.11
7	574.93	574.62	575.04	575.39	575.13	575.22	575.38	575.26	574.97	574.82	574.69	575.05
8	575.10	574.64*	575.01	575.33	575.11	575.20	575.31	575.28	574.97	574.81	574.61	574.97
9	575.06	574.71	575.03	575.28	575.09	575.20	575.29	575.28	574.96	574.78	574.61	574.96
10	575.31	574.80	574.94	575.35	575.09	575.20	575.30	575.25	574.93	574.73	574.58	575.13
11	575.37	/	574.87	575.27	575.08	575.19	575.40	575.22	574.91	574.75	574.65	574.92
12	575.16	574.73*	574.79	575.21	575.09	575.19	575.31	575.22	574.90	574.74	574.89	574.92
13	575.15	574.77	574.85	575.26	575.08	575.17	575.24	575.22	574.88	574.72	574.67	575.07
14	575.18	574.79	574.98	575.27	575.09	575.16	575.25	575.19	574.92	574.80	574.71	574.98
15	575.16	574.81	575.10	575.25	575.10	575.28	575.26	575.17	574.93	574.76	574.71	574.78
16	575.19	575.04	575.17	575.25	575.10	575.21	575.27	575.14	574.91	574.79	574.77	574.85
17	/	575.09	575.26	575.42	575.11	575.29	575.30	575.12	574.91	574.77	574.63	574.89
18	575.02*	575.04	575.28	575.37	575.12	575.28	575.29	575.13	574.94	574.78	574.60	574.98
19	575.00	575.04	575.32	575.35	575.14	575.31	575.25	575.16	574.92	574.74	574.58	574.87
20	575.08	574.97	575.34	575.38	575.09	575.36	575.25	575.11	574.91	575.00	574.62	574.93
21	575.14	574.98	575.36	575.35	575.10	575.34	575.25	575.05	574.82	574.65	574.67	574.90
22	575.10	574.91	575.27	575.31	575.16	575.30	575.24	575.19	574.81	574.63	574.71	574.92
23	574.96	574.89	575.22	575.34	575.21	575.29	575.24*	575.09	574.83	574.66	574.78	574.86
24	575.00	574.91	575.16	575.29	575.17	575.29	/	575.05	574.92	574.68	574.92	574.84
25	575.01	574.97	575.16	575.22	575.14	575.29	/	575.10	574.79	574.68	575.02	574.98
26	575.06	574.93	575.26	575.22	575.13	575.26	/	575.12	574.78	574.67	574.90	575.07
27	574.92	574.93	575.23	575.13	575.15	575.29	575.26*	575.08	574.85	574.64	574.79	575.09
28	574.94	574.84	575.24	575.17	575.23	575.30	575.34	575.07	574.89	574.64	574.78	575.48
29	574.92		575.12	575.18	575.25	575.33	575.35	575.08	574.87	574.63	574.88	575.32
30	574.97		575.09	575.18	575.26	575.34	575.33	575.05	574.86	574.55	574.81	575.22
31	575.11		575.25		575.25		575.25	575.00		574.52		575.23
MEAN	575.03	574.89	575.08	575.30	575.14	575.25	575.30	575.16	574.92	574.74	574.74	574.99
MAX.	575.94	575.15	575.66	576.66	575.35	575.63	575.56	575.42	575.21	575.49	575.24	576.19
	1400/04	0100/01	1600/31	1500/03	1400/07	0300/01	1700/17	0300/25	1600/02	1500/20	1500/12	1500/28
MIN.	574.57	574.54	574.59	574.99	574.97	575.02	575.11	574.93	574.71	574.45	574.48	574.69
	1000/02	1300/07	0300/13	0200/06	1500/20	2400/02	2400/17	0300/30	0100/26	1800/30	0800/01	1700/15

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

ANNUAL MEAN: 575.04

ANNUAL SUMMARY OF LEVELS, 1982

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

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	576.70	Jan	576.17	Oct
Daily mean elevation:	577.65	11 Jan	575.85	13 Mar
Instant/hourly Elevation:	578.00	1700/11 Jan	575.50	0200/13 Mar

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
577.65	11 Jan
576.94	1 Feb
576.49	27 Mar
576.71	6 Apr
576.51	30 May
576.68	30 Jun
576.72	28 Jul
576.68	10 Aug
576.57	3 Sep
576.40	16 Oct
576.46	24 Nov
576.74	29 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
575.92	3 Jan
576.01	28 Feb
575.85	13 Mar
576.32	12 Apr
576.28	11 May
576.47	7 Jun
576.52	16 Jul
576.44	30 Aug
576.22	29 Sep
575.98	10 Oct
575.91	10 Nov
576.08	18 Dec

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

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
577.60	1											
577.40	1											
577.20	2											
577.00	4											
576.80	6	4										
576.60	3	8		3		7	21	8				2
576.40	5	2	2	19	12	23	10	23	8		2	14
576.20	3	3	12	8	19				22	12	14	11
576.00	4	11	11							16	12	4
575.80	2		6							3	2	

Elev. (ft.)	No. of days above elev.
577.60	1
577.40	2
577.20	4
577.00	8
576.80	18
576.60	70
576.40	190
576.20	294
576.00	352
575.80	365
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INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	576.10	576.94	575.93	576.51	576.40	576.56	576.63	576.63	576.40	576.36	576.06	576.19
2	576.00	576.72	576.07	576.40	576.41	576.57	576.62	576.59	576.46	576.23	576.14	576.18
3	575.92	576.79	576.00	576.42	576.39	576.52	576.63	576.57	576.57	576.25	576.21	576.25
4	576.26	576.81	576.09	576.66	576.35	576.53	576.69	576.61	576.51	576.28	576.27	576.38
5	576.17	576.70	576.13	576.49	576.29	576.55	576.63	576.63	576.45	576.18	576.24	576.29
6	576.17	576.68	576.12	576.71	576.30	576.57	576.53	576.60	576.51	576.19	576.28	576.42
7	576.35	576.51	576.15	576.58	576.39	576.47	576.61	576.62	576.40	576.22	576.09	576.52
8	576.38	576.83	576.11	576.47	576.39	576.51	576.61	576.57	576.40	576.32	576.15	576.48
9	576.51	576.76	576.09	576.41	576.40	576.50	576.60	576.65	576.38	576.19	576.15	576.49
10	576.50	576.67	575.99	576.43	576.35	576.49	576.54	576.68	576.35	575.98	575.91	576.45
11	577.65	576.67	575.96	576.40	576.28	576.51	576.55	576.63	576.31	576.18	576.01	576.55
12	577.51	576.81	575.89	576.32	576.38	576.48	576.69	576.61	576.32	576.22	576.15	576.49
13	577.36	576.70	575.85	576.36	576.34	576.50	576.56	576.60	576.29	576.19	576.32	576.30
14	577.20	576.56	576.21	576.45	576.35	576.51	576.54	576.54	576.41	576.23	576.17	576.33
15	576.95	576.38	576.18	576.35	576.35	576.58	576.57	576.53	576.37	576.38	576.23	576.24
16	577.01	576.38	576.10	576.33	576.38	576.53	576.52	576.52	576.44	576.40	576.21	576.49
17	577.25	576.23	576.24	576.51	576.37	576.57	576.62	576.58	576.32	576.22	576.10	576.33
18	576.71	576.13	576.30	576.61	576.34	576.58	576.65	576.52	576.47	576.08	576.04	576.08
19	576.56	576.15	576.40	576.47	576.38	576.66	576.64	576.47	576.39	576.07	576.02	576.26
20	576.95	576.09	576.36	576.46	576.41	576.64	576.64	576.55	576.34	576.08	575.93	576.46
21	577.06	576.16	576.34	576.56	576.40	576.63	576.63	576.52	576.32	576.23	576.21	576.45
22	576.83	576.06	576.37	576.52	576.41	576.62	576.60	576.48	576.34	576.11	576.24	576.31
23	576.19	576.12	576.30	576.48	576.49	576.61	576.63	576.52	576.35	576.10	576.29	576.20
24	576.84	576.11	576.20	576.49	576.45	576.56	576.61	576.51	576.29	576.10	576.46	576.23
25	576.97	576.09	576.29	576.41	576.42	576.60	576.62	576.57	576.23	576.12	576.44	576.32
26	577.00	576.09	576.48	576.45	576.42	576.58	576.60	576.53	576.28	576.09	576.37	576.58
27	576.43	576.13	576.49	576.48	576.42	576.58	576.62	576.56	576.39	576.06	576.30	576.48
28	576.53	576.01	576.36	576.42	576.48	576.60	576.72	576.58	576.37	575.99	576.17	576.57
29	576.62		576.21	576.40	576.50	576.65	576.71	576.46	576.22	576.00	576.26	576.74
30	576.72		576.10	576.40	576.51	576.68	576.63	576.44	576.25	576.06	576.24	576.61
31	577.08		576.23		576.49		576.63	576.46		576.07		576.53
MEAN	576.70	576.44	576.18	576.46	576.39	576.56	576.62	576.56	576.37	576.17	576.19	576.39
MAX.	578.00	577.32	576.67	576.96	576.64	577.06	577.22	577.01	576.71	576.59	576.69	577.12
	1700/11	0100/01	0800/27	0100/04	1600/29	1900/15	1600/17	0400/25	2200/03	1700/08	1900/12	1900/28
MIN.	575.63	575.84	575.50	576.00	576.08	576.27	576.23	576.25	576.00	575.74	575.71	575.77
	0200/03	2300/22	0200/13	0400/13	0600/11	0100/01	1000/16	0300/30	1300/25	0800/29	2100/10	1700/18

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

/ Indicates No Data.

ANNUAL MEAN: 576.42

ANNUAL SUMMARY OF LEVELS, 1982

Station 4084: Marysville, Michigan on St. Clair River

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	577.33	Aug	576.76	Mar
Daily mean elevation:	578.10	11 Jan	576.39	13 Mar
Instant/hourly Elevation:	578.39	0700/11 Jan	575.88	1600/4 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
578.10	11 Jan
577.33	1 Feb
577.16	27 Mar
577.42	6 Apr
577.19	30 May
577.39	30 Jun
577.49	28 Jul
577.49	10 Aug
577.39	3 Sep
577.27	16 Oct
577.22	24 Nov
577.44	29 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
576.55	3 Jan
576.64	28 Feb
576.39	13 Mar
576.75	3 Apr
576.93	11 May
577.13	7 Jun
577.19	11 Jul
577.15	22 Aug
576.90	29 Sep
576.67	10 Oct
576.62	20 Nov
576.69	18 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
578.00	1												578.00	1
577.80	1												577.80	2
577.60	3												577.60	5
577.40	7			1			6	5				1	577.40	25
577.20	6	6		4		24	23	23	7	2	1	12	577.20	133
577.00	5	7	2	18	26	6	2	2	19	5	7	9	577.00	241
576.80	4	4	10	6	5				4	20	16	8	576.80	318
576.60	2	11	14	1						4	6	1	576.60	357
576.40	2		4										576.40	363
576.20			1										576.20	364

INTERNATIONAL
GREAT LAKES
DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

Station 4084: Marysville, Michigan on St. Clair River

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	576.84	577.33	576.54	577.15	577.07	577.26	577.33	577.37	577.10	577.12	576.84	576.88
2	576.71	577.15	576.74	577.00	577.10	577.29	577.29	577.35	577.23	576.94	576.86	576.84
3	576.55	577.26	576.68	576.75	577.05	577.27	577.31	577.30	577.39	576.99	576.99	576.92
4	576.76	577.24*	576.72	577.34	576.99	577.25	577.36	577.36	577.29	577.04	577.04	577.17
5	576.85	577.15	576.71	577.19	576.93	577.29	577.30	577.41*	577.19	576.92	576.90	576.99
6	576.86	577.13	576.70	577.42	576.97	577.29	577.19	/	577.30	576.94	577.03	577.11
7	577.08	576.96	576.76	577.21	577.10	577.13	577.27	577.37*	577.19	576.95	576.82	577.34
8	577.03	577.30	576.70	577.11	577.08	577.19	577.31	577.32	577.17	577.11	576.96	577.29
9	577.26	577.22	576.66	577.04	577.09	577.18	577.29	577.41	577.16	576.98	576.97	577.32
10	577.11	577.11*	576.56	577.02	577.02	577.16	577.24	577.49	577.12	576.67	576.62	577.16
11	578.10	577.16*	576.59	577.00	576.93	577.19	577.19	577.47	577.06	576.92	576.72	577.39
12	577.83	577.23	576.51	576.92	577.09	577.16	577.41	577.41	577.08	576.99	576.78	577.32
13	577.72	577.13	576.39	576.95	577.02	577.21	577.30	577.38	577.05	576.99	577.15	576.96
14	577.58	577.02	576.85	577.08	577.02	577.22	577.26	577.32	577.25	576.99	576.91	577.04
15	577.35	576.86	576.76	576.96	577.02	577.25	577.30	577.29	577.15	577.25	576.99	577.02
16	577.45	576.96	576.62	576.91	577.07	577.29	577.26	577.29	577.25	577.27	576.94	577.34
17	577.73	576.81	576.74	577.06	577.06	577.29	577.33	577.39	577.07	577.02	576.88	577.07
18	577.57	576.71*	576.84	577.26	577.00	577.30	577.35	577.30	577.29	576.81	576.80	576.69
19	577.38	576.74*	576.97	577.09	577.08	577.38	577.41	577.22	577.15	576.83	576.77	576.99
20	577.55	576.69	576.89	577.04	577.15	577.34	577.41	577.36	577.10	576.68	576.62	577.23
21	577.47	576.80	576.86	577.21	577.14	577.32	577.39	577.31	577.10	577.07	576.96	577.25
22	577.26	576.69	576.94	577.18	577.11	577.34	577.37	577.15	577.11	576.92	577.00	577.02
23	576.59	576.78	576.86	577.12	577.19	577.32	577.42	577.29	577.13	576.93	577.05	576.90
24	577.38	576.73	576.77	577.15	577.18	577.26	577.36	577.28	576.99	576.90	577.22	576.97
25	577.53	576.69	576.92	577.04	577.14	577.31	577.37	577.37	576.96	576.93	577.13	577.01
26	577.50	576.69	577.15	577.10	577.12	577.31	577.39	577.29	577.02	576.89	577.10	577.36
27	576.88	576.73	577.16	577.19	577.13	577.27	577.37	577.35	577.18	576.83	577.05	577.21
28	577.02	576.64	576.95	577.10	577.17	577.28	577.49	577.35	577.11	576.74	576.84	577.10
29	577.15		576.81	577.06	577.19	577.37	577.43	577.21	576.90	576.73	576.88	577.44
30	577.22		576.62	577.06	577.19	577.39	577.33	577.33*	576.96	576.82	576.94	577.33
31	577.62		576.74		577.17		577.35	577.18		576.87		577.24
MEAN	577.26	576.96	576.76	577.09	577.08	577.27	577.33	577.33	577.14	576.94	576.93	577.13
MAX.	578.39	577.65	577.34	577.74	577.32	577.69	578.04	577.93	577.53	577.47	577.44	577.82
	0700/11	0100/01	0500/27	0600/06	1300/21	2000/15	1600/17	0400/25	2400/14	1000/16	0100/24	0100/29
MIN.	575.88	576.44	575.97	576.37	576.72	576.92	576.91	576.90	576.78	576.23	576.23	576.44
	1600/04	2300/28	1200/13	2000/03	0600/11	1400/07	2300/17	0200/30	1300/29	1700/20	2000/10	1600/18

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

ANNUAL MEAN: 577.10

ANNUAL SUMMARY OF LEVELS, 1982

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

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	577.76	Jul	577.22	Mar
Daily mean elevation:	578.38	11 Jan	576.82	23 Jan
Instant/hourly Elevation:	578.64	1600/11 Jan	576.17	1600/4 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
578.38	11 Jan
577.60	1 Feb
577.60	27 Mar
577.96	6 Apr
577.65	30 May
577.75	5 Jun
578.22	1 Jul
577.90	10 Aug
577.83	3 Sep
577.75	16 Oct
577.68	24 Nov
577.98	11 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
576.82	23 Jan
577.03	28 Feb
576.92	1 Mar
577.03	3 Apr
577.36	11 May
577.52	7 Jun
577.53	11 Jul
577.52	22 Aug
577.28	29 Sep
576.97	20 Oct
577.00	20 Nov
577.00	18 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
578.20	1						1						578.20	2
578.00	1												578.00	3
577.80	7			2			7	8	1			5	577.80	33
577.60	6			6	7	12	21	21	8	2	2	9	577.60	127
577.40	7	10	2	14	21	3	2	2	17	7	11	8	577.40	231
577.20	4	5	5	7	3				4	18	12	8	577.20	297
577.00	3	13	7	1						3	3		577.00	327
576.80	2		2							1	2	1	576.80	335

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	577.24	577.60	576.92	577.58	577.52	577.71	578.22*	577.77	577.56	577.57	577.29	577.33
2	577.13	577.45	577.19	577.40	577.55	577.75	577.91	577.79	577.68	577.34	577.24	577.28
3	576.93	577.57	577.10	577.03	577.50	577.73	577.73	577.67	577.83	577.42	577.43	577.30
4	577.08	577.55	577.09*	577.82	577.44	577.70	577.75	577.79	577.73	577.48	577.47	577.61
5	577.29	577.41	/	577.70	577.36	577.75	577.68	577.83	577.59	577.35	577.26	577.40
6	577.31	577.39	/	577.96	577.37	577.74	577.58	577.79	577.74	577.35	577.46	577.51
7	577.57	577.23	/	577.65	577.54	577.52	577.65	577.78	577.61	577.36	577.22	577.80
8	577.44	577.58	/	577.50	577.52	577.61	577.73	577.71	577.56	577.54	577.41	577.75
9	577.74	577.50	/	577.43	577.55	577.62	577.68	577.82	577.56	577.40	577.41	577.76
10	577.47	577.44	/	577.40	577.44	577.61	577.63	577.90	577.52	577.03	577.00	577.58
11	578.38	577.40	/	577.40	577.36	577.63	577.53	577.86	577.46	577.32	577.12	577.98
12	578.04	577.52	/	577.32	577.54	577.60	577.81	577.83	577.49	577.41	577.13	577.89
13	577.91	577.43	/	577.39	577.47	577.66	577.72	577.79	577.45	577.40	577.63	577.42
14	577.82	577.30	/	577.52	577.47	577.63	577.65	577.73	577.67	577.40	577.33	577.50
15	577.57	577.17	/	577.35	577.46	577.53*	577.71	577.70	577.55	577.73	577.43	577.46
16	577.75	577.33	/	577.30	577.52	/	577.66	577.68	577.68	577.75	577.37	577.85
17	577.98	577.16	/	577.44	577.51	/	577.70	577.83	577.47	577.46	577.32	577.52
18	577.89	577.06	/	577.70	577.44	/	577.78	577.72	577.73	577.21	577.22	577.00
19	577.73	577.11	/	577.51	577.52	/	577.84	577.62	577.57	577.24	577.17	577.42
20	577.88	577.07	577.30	577.48	577.61	/	577.85	577.79	577.53	576.97	577.00	577.70
21	577.72	577.20	577.11	577.67	577.60	/	577.80	577.74	577.54	577.55	577.40	577.72
22	577.52	577.06	577.30	577.62	577.56	/	577.76	577.52	577.59	577.39	577.46	577.45
23	576.82	577.20	577.26	577.52	577.63	/	577.84	577.71	577.58	577.39	577.49	577.30
24	577.70	577.18	577.13	577.57	577.62	/	577.76	577.71	577.39	577.35	577.68	577.40
25	577.84	577.08	577.31	577.47	577.60	/	577.73	577.85	577.38	577.38	577.56	577.40
26	577.79	577.08	577.59	577.58	577.58	/	577.79	577.72	577.45	577.33	577.52	577.84
27	577.13	577.13	577.60	577.71	577.58	/	577.75	577.77	577.64	577.26	577.51	577.67
28	577.35	577.03	577.35	577.57	577.63	/	577.92	577.81	577.53	577.15	577.25	577.40
29	577.49		577.20	577.53	577.65	/	577.86	577.62	577.28	577.14	577.29	577.90
30	577.55		576.99	577.52	577.65	/	577.73	577.56*	577.38*	577.24	577.39	577.79
31	577.96		577.09		577.63		577.76	577.67		577.30		577.66
MEAN	577.58	577.29	577.22	577.52	577.53	577.65	577.76	577.74	577.56	577.36	577.35	577.57
MAX.	578.64	577.95	577.82	578.44	577.87	578.15	578.40	578.32	578.04	577.92	577.96	578.32
	1600/11	0200/01	0400/27	0400/06	0800/21	1000/01	0900/01	0500/25	2200/03	1000/16	0900/24	0400/11
MIN.	576.17	576.74	576.53	576.57	577.20	577.29	577.14	577.22	577.04	576.45	576.62	576.68
	1600/04	0500/23	2300/30	2100/03	0600/11	1400/07	1800/17	1600/03	1300/29	1700/20	2000/10	1600/18

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

/ Indicates No Data.

ANNUAL MEAN: 577.51

ANNUAL SUMMARY OF LEVELS, 1982

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

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	578.32	Jun	577.43	Feb
Daily mean elevation:	578.59	19 Jun	576.83	23 Jan
Instant/hourly Elevation:	578.86	1600/11 Jan	576.20	1600/4 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
578.54	11 Jan
577.76	4 Feb
577.93	27 Mar
578.31	6 Apr
578.00	31 May
578.59	19 Jun
578.24	20 Jul
578.31	10 Aug
578.23	3 Sep
578.02	21 Oct
578.05	13 Nov
578.28	11 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
576.83	23 Jan
577.19	18 Feb
577.02	13 Mar
577.20	3 Apr
577.68	11 May
578.03	24 Jun
577.70	11 Jul
577.88	22 Aug
577.71	29 Sep
577.50	29 Oct
577.39	10 Nov
577.29	18 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
578.40	1					8							578.40	9
578.20				1		8	1	10	1			4	578.20	34
578.00	3			5		7	11	14	8	1	1	7	578.00	91
577.80	8		2	12	20		4	4	17	3	6	7	577.80	174
577.60	9	4	4	10	8		1		4	6	7	12	577.60	239
577.40	6	9	9	1						2	3		577.40	269
577.20	2	12	8								1	1	577.20	293
577.00	1	2	4	1									577.00	301
576.80	1												576.80	302

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	577.56	577.64	577.14	577.94	577.88	578.04	578.15	/	577.90	577.86*	577.68	577.68
2	577.44	577.51	577.45	577.71	/	578.56*	578.07	/	578.05	/	577.69	577.64
3	577.23	577.68	577.30*	577.20	577.82*	578.52	578.17*	/	578.23	/	577.81	577.65
4	577.26	577.76*	577.34	578.15	577.76	578.46	578.17*	578.22*	578.14	/	577.86	578.00
5	577.49	577.55*	577.24*	578.05	577.69	578.53	578.07*	578.22*	577.96	/	577.62	577.75
6	577.60	577.50*	/	578.31	577.70	578.50	577.93*	578.19	578.15	/	577.84	577.84
7	577.91	577.33	/	577.96	577.88	578.33	578.04	578.18	578.01	/	577.58	578.17
8	577.74	577.65	/	577.86*	577.88	578.31	578.17*	578.11	577.91	/	577.81	578.15
9	578.08	577.57	/	577.74*	577.89*	/	/	578.23*	577.93	/	577.82	578.14
10	577.70	577.52	577.20*	577.71*	577.72*	/	577.86*	578.31	577.89	/	577.39	577.91
11	578.54	577.52	577.27	577.71	577.68*	578.35*	577.70*	578.27	577.84	/	577.49	578.28
12	578.15	577.59*	577.18	577.63	577.88	578.28*	578.20*	578.23	577.88	/	577.46	578.19
13	577.95	/	577.02	577.70	577.82*	/	578.12*	578.20	577.83	/	578.05	577.65
14	577.84	577.42	577.59	577.83	577.76*	578.33*	578.08*	578.13	578.04	/	577.71	577.79
15	577.61	577.32	577.44	577.63*	577.80*	578.20*	/	578.10	577.97	/	577.81	577.83
16	577.80	577.49	577.28	577.60*	577.87	/	577.96*	578.09	578.09	/	577.69	578.26
17	578.00	577.33	577.38	577.77	577.88*	/	577.95*	578.25	577.86	/	577.73*	577.87
18	577.88	577.19	577.50	578.01	577.78*	/	/	578.11	578.14	/	/	577.29
19	577.74	577.25	577.68	577.79	577.86*	578.59*	/	578.00	577.97	/	/	577.75
20	577.91	577.24	577.57	577.81	577.94	578.56	578.24*	578.21	577.93	/	/	578.06
21	577.76	577.35	577.52	578.06*	577.97	/	/	578.15	577.94	578.02*	/	578.10
22	577.57	577.20	577.67	577.95	577.88	578.57*	578.10*	577.88	577.99	577.82	/	577.78
23	576.83	577.37	577.57	577.85	577.90*	578.26	/	578.12	577.99	577.82	/	577.63
24	577.75	577.38	577.41	577.89	/	578.03	/	578.10	577.77	577.77	/	577.75
25	577.92	577.28	577.62	577.78*	/	578.10	/	578.22	577.79	577.79	/	577.73
26	577.84	577.26*	577.91	577.96*	577.89*	578.24*	/	578.12	577.86	577.74	/	578.21
27	577.17	577.35*	577.93	578.09*	577.92	578.11*	/	578.19	578.04	577.67	/	578.00
28	577.43	577.25	577.66*	577.87*	577.95*	578.13	/	578.21	577.94	577.53	/	577.66
29	577.63		577.46*	577.85	577.99*	578.17*	/	578.00	577.71	577.50	/	578.24
30	577.64		577.24	577.83	577.98	578.22*	/	577.95	577.77	577.64	577.69*	578.15
31	578.03		577.37		578.00		/	578.05		577.72		577.99
MEAN	577.71	577.43	577.44	577.84	577.86	578.32	578.06	578.14	577.95	577.74	577.71	577.91
MAX.	578.86	577.98	578.17	578.83	578.16	578.83	578.34	578.78	578.46	578.20	578.37	578.73
	1600/11	0200/01	0400/27	0400/06	0200/21	2400/20	1600/20	0500/25	2300/03	1200/21	1000/13	0100/29
MIN.	576.20	576.84	576.50	576.64	577.43	577.84	577.52	577.68	577.58	577.30	577.06	576.96
	1600/04	0500/23	1200/13	2100/03	1000/11	0100/01	0900/11	1000/19	1400/29	1500/29	2100/10	1600/18

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

/ Indicates No Data.

ANNUAL MEAN: 577.84

ANNUAL SUMMARY OF LEVELS, 1982

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

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	578.57	Aug	577.78	Mar
Daily mean elevation:	578.82	11 Jan	577.20	23 Jan
Instant/hourly Elevation:	579.37	0400/6 Apr	575.92	1500/4 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
578.82	11 Jan
578.08	3 Feb
578.35	27 Mar
578.75	6 Apr
578.42	30 May
578.63	30 Jun
578.75	28 Jul
578.75	10 Aug
578.71	3 Sep
578.67	16 Oct
578.54	24 Nov
578.76	11 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
577.20	23 Jan
577.67	18 Feb
577.29	13 Mar
577.39	3 Apr
578.06	5 May
578.24	7 Jun
578.23	11 Jul
578.27	22 Aug
578.08	29 Sep
577.61	20 Oct
577.74	20 Nov
577.60	18 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
578.80	1												578.80	1
578.60				1		1	9	13	3	2		8	578.60	38
578.40	2			4	2	21	19	16	9	3	2	5	578.40	121
578.20	10		2	10	23	8	3	2	14	9	12	5	578.20	219
578.00	10	4		11	6				4	12	10	11	578.00	287
577.80	4	12	10	3						3	4	1	577.80	324
577.60	2	12	13							2	2		577.60	355
577.40	1		5									1	577.40	362
577.20			1	1									577.20	364
577.00	1												577.00	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	578.00	578.01	577.60	578.28	578.27	578.46	578.53	578.60	578.34	578.43	578.12	578.11
2	577.91	577.92	577.95	578.08	578.31	578.55	578.46	578.62	578.51	578.15	578.02	578.11
3	577.65	578.08	577.79	577.39	578.25	578.51	578.50	578.56	578.71	578.23	578.27	578.15
4	577.62	578.02	577.81	578.56	578.18	578.47	578.51	578.62	578.60	578.30	578.30	578.47
5	578.04	577.88	577.73	578.49	578.06	578.54	578.43	578.68	578.43	578.16	577.99	578.19
6	578.09	577.85	577.74	578.75	578.09	578.51	578.30	578.62	578.64	578.16	578.27	578.28
7	578.38	577.68	577.80	578.34	578.27	578.24	578.43	578.61	578.45	578.15	578.01	578.67
8	578.16	578.04	577.72	578.18	578.28	578.35	578.54	578.52	578.38	578.41	578.28	578.62
9	578.56	577.97	577.67	578.10	578.32	578.37	578.50	578.66	578.38	578.25	578.28	578.61
10	578.09	577.92	577.56	578.03	578.18	578.39	578.41	578.75	578.35	577.79	577.78	578.28
11	578.82	577.87	577.62	578.07	578.08	578.43	578.23	578.71	578.28	578.13	577.94	578.76
12	578.40	577.98	577.52	577.97	578.31	578.32	578.64	578.66	578.33	578.24	577.82	578.65
13	578.30	577.91	577.29	578.05	578.21	578.40	578.53	578.60	578.28	578.24	578.51	578.01
14	578.24	577.80	577.94	578.20	578.22	578.37	578.46	578.56	578.53	578.20	578.16	578.18
15	578.02	577.68	577.74	578.00	578.24	578.34	578.53	578.53	578.39	578.63	578.25	578.28
16	578.22	577.95	577.46	577.96	578.28	578.51	578.45	578.51	578.56	578.67	578.15	578.71
17	578.38	577.77	577.61	578.07	578.26	578.44	578.39	578.70	578.29	578.31	578.14	578.30
18	578.25	577.67	577.75	578.41	578.19	578.49	578.57	578.56	578.62	577.98	578.07	577.60
19	578.14	577.75	577.98	578.18	578.27	578.57	578.70	578.42	578.40	578.04	578.00	578.16
20	578.35	577.73	577.86	578.15	578.41	578.48	578.68	578.64	578.36	577.61	577.74	578.52
21	578.18	577.87	577.80	578.40	578.40	578.49	578.61	578.60	578.38	578.45	578.25	578.55
22	577.97	577.73	578.00	578.33	578.32	578.55	578.60	578.27	578.44	578.25	578.32	578.20
23	577.20	577.91	577.89	578.22	578.39	578.53	578.68	578.55	578.42	578.24	578.37	578.03
24	578.18	577.89	577.72	578.27	578.38	578.43	578.61	578.56*	578.15	578.19	578.54	578.16
25	578.33	577.74	577.99	578.18	578.35	578.49	578.56	578.54*	578.20	578.22	578.35	578.13
26	578.24	577.73	578.32	578.30	578.33	578.53	578.63	578.53	578.29	578.16	578.33	578.65
27	577.56	577.79	578.35	578.51	578.34	578.46	578.59	578.63	578.48	578.09	578.34	578.42
28	577.88	577.69	577.99	578.31	578.38	578.48	578.75	578.66	578.36	577.94	578.05	577.96
29	578.06		577.88	578.26	578.39	578.55	578.69	578.41	578.08	577.92	578.05	578.65
30	578.09		577.60	578.24	578.42	578.63	578.54	578.37	578.14	578.06	578.17	578.55
31	578.50		577.65		578.40		578.59	578.48		578.16		578.37
MEAN	578.12	577.85	577.78	578.21	578.28	578.46	578.54	578.57	578.39	578.19	578.16	578.33
MAX.	579.18	578.39	578.61	579.37	578.66	578.88	579.06	579.23	578.93	578.91	578.90	579.32
	0600/11	0200/01	0400/27	0400/06	0100/21	0800/19	2100/17	1400/28	2200/03	1100/16	0900/13	0100/09
MIN.	575.92	577.26	576.76	576.72	577.90	577.95	577.01	578.05	577.88	576.97	577.26	577.26
	1500/04	0600/07	1200/13	2100/03	0600/11	1400/07	1700/17	0300/30	1200/29	1700/20	2000/10	1600/18

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

/ Indicates No Data.

ANNUAL MEAN: 578.24

ANNUAL SUMMARY OF LEVELS, 1982

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

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	578.93	Aug	578.04	Mar
Daily mean elevation:	579.20	11 Dec	577.27	23 Jan
Instant/hourly Elevation:	579.86	1300/28 Aug	575.95	1500/4 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
579.01	11 Jan
578.30	3 Feb
578.63	27 Mar
579.13	6 Apr
578.71	20 May
578.95	30 Jun
579.04	28 Jul
579.15	25 Aug
579.12	3 Sep
579.13	16 Oct
578.95	13 Nov
579.20	11 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
577.27	23 Jan
577.81	7 Feb
577.51	13 Mar
577.48	3 Apr
578.32	5 May
578.53	15 Jun
578.45	11 Jul
578.65	22 Aug
578.43	29 Sep
577.87	20 Oct
578.05	20 Nov
577.87	18 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
579.00	1			1			2	8	3	2		8	579.00	25
578.80	1			2		10	14	18	8	2	2	4	578.80	86
578.60	2		1	6	10	16	12	5	15	9	11	6	578.60	179
578.40	8		1	10	18	4	3		4	12	7	9	578.40	255
578.20	11	6	4	8	3					4	7	3	578.20	301
578.00	2	15	12	2						1	3		578.00	336
577.80	2	7	11							1		1	577.80	358
577.60	1		1										577.60	360
577.40			1	1									577.40	362
577.20	1												577.20	363

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	578.33	578.16	577.88	578.51	578.53	578.72	578.82	578.86	578.73	578.83	578.52	578.47
2	578.24	578.07	578.29	578.28	578.59	578.83	578.74	578.88	578.91	578.50	578.39	578.46
3	577.93	578.30	578.11	577.48	578.53	578.80	578.81	578.74	579.12	578.59	578.66	578.47
4	577.81	578.21	578.11	578.85	578.46	578.74	578.79	578.91	579.00	578.69	578.70	578.85
5	578.37	578.07	578.02	578.80	578.32	578.83	578.70	578.98	578.79	578.51	578.29	578.53
6	578.44	578.03	578.03	579.13	578.36	578.81	578.55	578.90	579.05	578.52	578.65	578.62
7	578.74	577.81	578.12	578.63	578.55	578.54	578.71	578.86	578.85	578.49	578.36	579.07
8	578.46	578.21	578.02	578.42	578.58	578.60	578.82	578.79	578.75	578.78	578.69	579.03
9	578.94	578.17	577.96	578.35	578.60	578.62	578.78	578.94	578.77	578.62	578.68	579.02
10	578.30	578.08	577.84	578.24	578.46	578.62	578.66	579.06	578.72	578.09	578.12	578.62
11	579.01	578.03	577.92	578.30	578.34	578.65	578.45	579.03	578.64	578.47	578.26	579.20
12	578.50	578.16	577.84	578.20	578.61	578.58	578.96	578.96	578.69	578.61	578.10	579.06
13	578.42	578.09	577.51	578.28	578.50	578.68	578.80	578.95	578.65	578.61	578.95	578.31
14	578.39	577.97	578.26	578.45	578.48	578.63	578.73	578.93	578.93	578.56	578.54	578.52
15	578.17	577.88	578.03	578.24	578.52	578.53	578.79	578.92	578.76	579.06	578.63	578.65
16	578.39	578.21	577.67	578.19	578.57	578.83	578.71	578.90	578.96	579.13	578.51	579.16
17	578.51	578.03	577.92	578.29	578.53	578.70	578.60	579.12	578.65	578.71	578.52	578.70
18	578.34	577.91	578.01	578.68	578.45	578.79	578.82	578.97	579.02	578.34	578.43	577.87
19	578.21	578.02	578.20	578.41	578.55	578.87	579.01	578.79	578.78	578.38	578.35	578.53
20	578.46*	578.01	578.00	578.38	578.71	578.74	579.00	579.09	578.73	577.87	578.05	578.91
21	/	578.16	577.93	578.68	578.68	578.77	578.88	579.04	578.77	578.87	578.60	578.97
22	/	578.00	578.15	578.62	578.59	578.83	578.87	578.65	578.85	578.66	578.73	578.55
23	577.27	578.25	578.08	578.47	578.67	578.82	578.96	578.96	578.82	578.65	578.76	578.39
24	578.39	578.22	577.92	578.53	578.68	578.72	578.83	578.96	578.51	578.59	578.93	578.53
25	578.52	578.02	578.22	578.43	578.62	578.79	578.79	579.15	578.58	578.61	578.71	578.47
26	578.42	578.00	578.58	578.60	578.59	578.86	578.92	578.94	578.67	578.56	578.71	579.06
27	577.70	578.08	578.63	578.85	578.60	578.75	578.88	579.08	578.90	578.47	578.75	578.79
28	578.07	577.96	578.22	578.61	578.64	578.76	579.04	579.10	578.73	578.30	578.40	578.22
29	578.27		578.11	578.53	578.65	578.90	578.94	578.81	578.43	578.28	578.39	579.03
30	578.30		577.81	578.52	578.68	578.95	578.78	578.80	578.50	578.45	578.55	578.94
31	578.76		577.84		578.65		578.84	578.91		578.58		578.74
MEAN	578.33	578.08	578.04	578.46	578.56	578.74	578.81	578.93	578.78	578.56	578.53	578.70
MAX.	579.52	578.67	578.91	579.85	579.04	579.22	579.25	579.86	579.44	579.45	579.42	579.76
	2200/30	0300/01	0700/27	0400/06	2400/20	0900/01	0500/28	1300/28	2100/03	1200/16	0900/13	0100/09
MIN.	575.95	577.41	576.83	576.73	577.98	577.96	577.09	578.22	578.18	577.14	577.49	577.47
	1500/04	0600/07	2300/30	2100/03	0500/11	2000/15	1700/17	1400/03	1200/29	1700/20	2000/10	1600/18

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

/ Indicates No Data.

ANNUAL MEAN: 578.54

ANNUAL SUMMARY OF LEVELS, 1982

Station 5002: Lakeport, Michigan on Lake Huron

INTERNATIONAL GREAT LAKES DATUM (1955)

HIGHEST			LOWEST		
Monthly mean elevation:	579.07	Aug	Monthly mean elevation:	578.19	Mar
Daily mean elevation:	579.33	11 Dec	Daily mean elevation:	577.33	23 Jan
Instant/hourly Elevation:	580.02	1600/17 Jul	Instant/hourly Elevation:	576.38	1500/4 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
579.06	11 Jan
578.60	3 Feb
578.73	27 Mar
579.13	6 Apr
578.88	20 May
579.14	30 Jun
579.21	28 Jul
579.27	10 Aug
579.23	3 Sep
579.22	16 Oct
579.11	13 Nov
579.33	11 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
577.33	23 Jan
577.98	7 Feb
577.67	13 Mar
577.58	3 Apr
578.49	5 May
578.69	7 Jun
578.64	11 Jul
578.78	22 Aug
578.55	29 Sep
578.07	20 Oct
578.23	20 Nov
578.09	18 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
579.20							1	3	1	2		4	579.20	11
579.00	2			1		8	14	22	5	1	2	8	579.00	74
578.80	2			5	8	18	14	5	17	5	8	4	578.80	160
578.60	1		2	10	20	4	2	1	6	17	10	9	578.60	242
578.40	15	4	1	9	3				1	4	6	4	578.40	289
578.20	5	13	12	4						1	4	1	578.20	329
578.00	3	10	10							1		1	578.00	354
577.80	2	1	5										577.80	362
577.60			1										577.60	363
577.40				1									577.40	364
577.20	1												577.20	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

Station 5002: Lakeport, Michigan on Lake Huron

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	578.46	578.40	577.98	578.61	578.70	578.92	579.04	579.08	578.84	578.95	578.66	578.61
2	578.40	578.31	578.43	578.44	578.75	579.01	578.95	579.10	578.99	578.67	578.61	578.61
3	578.07	578.60	578.24	577.58	578.69	578.97	579.00	579.00	579.23	578.74	578.75	578.62
4	577.94	578.44	578.19	578.89	578.62	578.92	579.00	579.10	579.12	578.82	578.82	579.02
5	578.47	578.31	578.12	578.94	578.49	579.01	578.92	579.18	578.97	578.64	578.43	578.60
6	578.54	578.22	578.15	579.13	578.51	578.96	578.74	579.10	579.18	578.68	578.80	578.75
7	578.83	577.98	578.23	578.77	578.70	578.69	578.87	579.08	578.98	578.64	578.53	579.23
8	578.61	578.38	578.14	578.58	578.73	578.81	579.00	578.97	578.88	578.92	578.82	579.17
9	579.02	578.34	578.04	578.51	578.79	578.79	578.96	579.13	578.90	578.75	578.81	579.15
10	578.38	578.25	577.97	578.40	578.63	578.77	578.84	579.27	578.86	578.27	578.29	578.75
11	579.06	578.15	578.06	578.45	578.50	578.84	578.64	579.22	578.78	578.63	578.40	579.33
12	578.57	578.28	578.03	578.38	578.78	578.77	579.14	579.15	578.83	578.74	578.31	579.21
13	578.46	578.22	577.67	578.41	578.70	578.86	578.97	579.11	578.77	578.76	579.11	578.50
14	578.45	578.10	578.34	578.63	578.66	578.85	578.92	579.05	579.04	578.70	578.67	578.69
15	578.25	578.06	578.26	578.38	578.65	578.81	578.95	579.01	578.87	579.21	578.80	578.81
16	578.42	578.41	577.92	578.33	578.73	579.00	578.87	579.02	579.09	579.22	578.68	579.27
17	578.58	578.21	578.11	578.45	578.70	578.87	578.97	579.19	578.80	578.84	578.66	578.85
18	578.38	578.09	578.22	578.87	578.62	578.94	579.02	579.04	579.16	578.51	578.57	578.09
19	578.25	578.20	578.39	578.58	578.74	579.06	579.14	578.86	578.92	578.57	578.52	578.69
20	578.59	578.16	578.25	578.51	578.88	578.95	579.15	579.14	578.86	578.07	578.23	579.05
21	578.46	578.37	578.16	578.82	578.83	578.95	579.08	579.11	578.91	579.05	578.80	579.11
22	578.20	578.19	578.37	578.77	578.77	579.02	579.05	578.78	579.00	578.81	578.86	578.74
23	577.33	578.44	578.23	578.63	578.86	579.01	579.13	579.06	578.94	578.80	578.82	578.57
24	578.45	578.39	578.09	578.69	578.86	578.91	579.06	579.05	578.66	578.73	579.02	578.69
25	578.60	578.17	578.35	578.60	578.83	579.00	579.05	579.15	578.70	578.77	578.88	578.60
26	578.50	578.14	578.68	578.73	578.78	579.03	579.09	579.05	578.82	578.70	578.84	579.14
27	577.82	578.22	578.73	578.97	578.76	578.95	579.10	579.15	578.98	578.63	578.88	578.89
28	578.13	578.11	578.35	578.78	578.80	578.95	579.21	579.22	578.86	578.47	578.58	578.37
29	578.41		578.25	578.69	578.83	579.07	579.15	578.91	578.55	578.42	578.56	579.16
30	578.43		577.98	578.67	578.86	579.14	579.00	578.89	578.63	578.61	578.72	579.11
31	578.97		577.93		578.82		579.08	579.03		578.70		578.88
MEAN	578.42	578.26	578.19	578.61	578.73	578.93	579.00	579.07	578.90	578.71	578.68	578.85
MAX.	579.67	578.97	579.02	579.80	579.12	579.31	580.02	579.91	579.50	579.48	579.60	579.79
	0400/12	1800/03	2200/26	0400/06	2400/20	0900/01	1600/17	1300/28	2100/03	0900/16	0900/13	0100/09
MIN.	576.38	577.61	577.12	576.81	578.19	578.32	578.32	578.45	578.30	577.37	577.79	577.60
	1500/04	0400/07	1100/13	2000/03	0500/11	2200/07	1700/17	1900/29	0700/30	1800/20	0800/12	1700/28

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

/ Indicates No Data.

ANNUAL MEAN: 578.70

ANNUAL SUMMARY OF LEVELS, 1982

Station 5014: Harbor Beach, Michigan on Lake Huron

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	579.02	Aug	578.16	Mar
Daily mean elevation:	579.25	10 Aug	577.61	23 Jan
Instant/hourly Elevation:	579.48	1700/17 Jul	577.17	1900/23 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
579.11	11 Jan
578.43	3 Feb
578.55	27 Mar
578.83	18 Apr
578.79	30 May
579.07	30 Jun
579.14	12 Jul
579.25	10 Aug
579.15	3 Sep
579.09	15 Oct
579.03	13 Nov
579.21	11 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
577.61	23 Jan
578.07	15 Feb
577.87	13 Mar
577.89	3 Apr
578.50	11 May
578.64	7 Jun
578.69	11 Jul
578.84	22 Aug
578.55	29 Sep
578.29	10 Oct
578.33	20 Nov
578.34	18 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
579.20								1				1	579.20	2
579.00	1					1	11	16	3	2	1	10	579.00	47
578.80	1			1		23	18	14	16	3	4	5	578.80	132
578.60	4			14	25	6	2		9	19	15	11	578.60	237
578.40	14	2	2	11	6				2	5	8	3	578.40	290
578.20	6	13	8	3						2	2	1	578.20	325
578.00	3	13	16										578.00	357
577.80	1		5	1									577.80	364
577.60	1												577.60	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

Station 5014: Harbor Beach, Michigan on Lake Huron

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	578.46	578.33	577.99	578.58	578.67	578.86	579.00	579.09	578.80	578.81	578.58	578.61
2	578.46	578.29	578.30	578.42	578.71	578.92	578.93	579.05	578.96	578.61	578.53	578.55
3	578.11	578.43	578.16	577.89	578.64	578.86	578.94	579.01	579.15	578.65	578.72	578.61
4	578.20	578.42	578.11	578.75	578.59	578.82	578.91	579.04	579.08	578.74	578.76	578.95
5	578.47	578.25	578.10	578.76	578.50	578.86	578.85	579.09	578.91	578.59	578.56	578.64
6	578.52	578.23	578.12	578.73	578.54	578.90	578.78	579.00	578.99	578.62	578.84	578.78
7	578.78	578.13	578.17	578.64	578.74	578.64	578.89	578.98	578.87	578.64	578.65	579.19
8	578.66	578.39	578.14	578.53	578.69	578.74	578.98	578.94	578.82	578.83	578.74	579.04
9	578.88	578.33	578.03	578.45	578.72	578.76	578.95	579.11	578.86	578.69	578.72	579.02
10	578.44	578.25	577.97	578.45	578.56	578.73	578.83	579.25	578.84	578.29	578.35	578.86
11	579.11	578.19	578.05	578.46	578.50	578.83	578.69	579.14	578.76	578.58	578.49	579.21
12	578.52	578.26	578.02	578.43	578.72	578.75	579.14	579.09	578.80	578.73	578.45	579.16
13	578.40	578.21	577.87	578.39	578.64	578.82	578.98	579.06	578.73	578.72	579.03	578.68
14	578.42	578.11	578.32	578.57	578.61	578.78	578.89	579.00	578.91	578.75	578.64	578.80
15	578.32	578.07	578.19	578.37	578.60	578.83	578.93	578.97	578.78	579.09	578.80	578.80
16	578.46	578.30	577.98	578.36	578.69	578.95	578.87	579.00	578.96	579.05	578.75	579.07
17	578.62	578.11	578.05	578.49	578.66	578.86	578.95	579.08	578.81	578.78	578.63	578.81
18	578.40	578.08	578.19	578.83	578.61	578.86	579.07	578.97	579.05	578.54	578.54	578.34
19	578.24	578.17	578.31	578.58	578.69	578.96	579.10	578.90	578.89	578.61	578.51	578.69
20	578.50	578.15	578.14	578.47	578.79	578.96	579.05	579.07	578.81	578.30	578.33	579.02
21	578.41	578.26	578.17	578.78	578.75	578.91	579.00	579.00	578.85	578.96	578.76	579.02
22	578.21	578.17	578.33	578.74	578.65	578.98	578.99	578.84	578.92	578.74	578.78	578.75
23	577.61	578.29	578.25	578.64	578.78	578.99	579.05	579.02	578.86	578.73	578.72	578.59
24	578.48	578.22	578.14	578.71	578.79	578.91	578.99	579.00	578.71	578.68	578.92	578.67
25	578.57	578.15	578.32	578.62	578.77	578.98	579.01	579.03	578.67	578.73	578.90	578.70
26	578.47	578.15	578.53	578.66	578.72	578.97	579.02	579.06	578.75	578.65	578.76	579.10
27	578.00	578.20	578.55	578.79	578.68	578.88	579.03	579.03	578.82	578.61	578.81	578.87
28	578.16	578.08	578.34	578.68	578.76	578.90	579.11	579.11	578.78	578.48	578.61	578.58
29	578.42		578.23	578.61	578.79	578.97	579.09	578.90	578.55	578.49	578.57	579.14
30	578.39		578.00	578.61	578.79	579.07	578.98	578.86	578.59	578.68	578.71	579.13
31	578.71		578.01		578.77		579.04	578.92		578.65		578.94
MEAN	578.43	578.22	578.16	578.57	578.68	578.88	578.97	579.02	578.84	578.68	578.67	578.85
MAX.	579.43	578.76	578.80	579.09	578.97	579.29	579.48	579.42	579.36	579.22	579.22	579.43
	0600/11	2000/03	2400/26	1300/04	2100/07	2000/15	1700/17	1700/03	2100/03	1700/15	0900/13	0100/11
MIN.	577.17	577.76	577.49	577.35	578.29	578.51	578.52	578.62	578.41	577.85	578.08	578.14
	1900/23	2200/14	1100/13	2000/03	1900/10	1400/07	1600/17	0800/03	0600/29	1700/20	2400/10	2000/28

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

/ Indicates No Data.

ANNUAL MEAN: 578.66

ANNUAL SUMMARY OF LEVELS, 1982

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

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	579.01	Aug	578.19	Mar
Daily mean elevation:	579.44	21 May	576.55	3 Apr
Instant/hourly Elevation:	580.76	0100/6 Apr	573.87	1900/3 Apr

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
578.99	31 Jan
578.42	24 Feb
578.59	18 Mar
579.34	5 Apr
579.44	21 May
579.36	3 Jun
579.22	23 Jul
579.24	2 Aug
579.40	6 Sep
579.03	15 Oct
578.99	22 Nov
579.32	16 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
577.43	23 Jan
577.82	7 Feb
577.67	13 Mar
576.55	3 Apr
578.45	11 May
578.65	10 Jun
577.99	11 Jul
578.32	22 Aug
578.48	29 Sep
577.05	20 Oct
577.75	5 Nov
577.40	28 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
579.40					1								579.40	1
579.20				2		3	2	3	3			1	579.20	15
579.00					3	8	11	15	4	1		7	579.00	64
578.80	2			3	14	15	13	9	11	6	5	4	578.80	146
578.60	2			9	10	4	4	2	8	13	8	10	578.60	216
578.40	9	1	3	6	3			1	4	6	8	4	578.40	261
578.20	9	13	11	8				1		2	7	1	578.20	313
578.00	5	12	14	1						2		2	578.00	349
577.80	3	2	2				1				1	1	577.80	359
577.60			1								1		577.60	361
577.40	1												577.40	362
577.20												1	577.20	363
577.00										1			577.00	364
576.80													576.80	364
576.60													576.60	364
576.40				1									576.40	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	578.20	578.33	577.93	578.34	578.72	578.92	579.01	578.95	578.83	578.99	578.83	578.62
2	578.65	578.29	578.17	578.63	578.75	579.20	578.87	579.24	578.79	578.71	578.60	578.64
3	578.11	578.35	578.25	576.55	578.71	579.36	579.11	578.93	578.89	578.62	578.66	578.58
4	577.86	578.37	578.18	578.29	578.63	579.14	579.04	579.18	578.97	578.83	578.48	579.03
5	578.43	578.26	578.03	579.34	578.52	579.17	578.80	579.22	578.74	578.61	577.75	578.72
6	578.40	578.13	578.10	579.29	578.50	579.07	578.69	579.09	579.40	578.71	578.27	578.25
7	578.60	577.82	578.10	578.61	578.68	578.71	578.69	579.04	579.17	578.49	578.34	579.04
8	578.22	578.27	578.18	578.51	578.85	578.88	579.01	578.79	578.83	578.89	578.71	579.10
9	578.79	578.26	578.09	578.45	578.82	578.89	578.94	578.96	578.77	578.96	578.90	579.04
10	577.98	578.10	578.06	578.16	578.71	578.65	578.80	579.17	578.81	578.41	578.47	578.15
11	578.82	578.00	578.03	578.37	578.45	578.84	577.99	579.17	578.71	578.40	578.47	579.10
12	578.54	578.29	578.13	578.43	578.90	578.68	578.98	579.07	578.79	578.50	577.82	579.10
13	578.46	578.19	577.67	578.41	578.97	578.86	578.99	579.07	578.77	578.64	578.93	577.90
14	578.45	578.24	578.02	578.65	578.77	578.86	578.86	579.02	579.38	578.18	578.43	578.53
15	578.28	578.02	578.34	578.39	578.70	578.75	578.95	579.00	579.11	579.03	578.38	578.80
16	578.09	578.37	578.27	578.39	578.86	578.97	578.84	578.92	579.03	579.00	578.21	579.32
17	578.41	578.27	578.47	578.21	578.91	578.82	578.84	579.19	578.54	578.74	578.64	578.84
18	578.35	578.11	578.59	578.76	578.63	579.14	578.94	578.95	579.04	578.29	578.59	578.15
19	578.29	578.14	578.40	578.79	578.65	579.12	579.22	578.52	578.82	578.49	578.60	578.68
20	578.47	578.19	578.38	578.32	579.08	578.96	579.19	579.19	578.64	577.05	578.34	578.90
21	578.53	578.21	578.16	578.64	579.44	578.94	579.03	579.16	578.93	578.85	578.73	579.00
22	578.40	578.17	578.22	578.69	579.12	579.04	579.04	578.32	579.38	578.79	578.99	578.75
23	577.43	578.21	578.28	578.37	579.14	578.97	579.22	579.07	578.83	578.67	578.82	578.66
24	578.17	578.42	578.15	578.54	578.94	578.82	578.99	579.23	578.59	578.65	578.55	578.72
25	578.47	578.15	578.27	578.56	578.84	578.88	578.91	579.11	578.75	578.68	578.21	578.56
26	578.35	578.04	578.39	578.88	578.85	579.23	579.07	578.82	578.81	578.68	578.62	579.06
27	578.10	578.18	578.52	578.93	578.97	578.93	579.16	579.00	578.98	578.62	578.76	578.93
28	577.99	578.19	578.31	578.85	578.91	578.95	579.19	579.11	578.88	578.49	578.63	577.40
29	578.37		578.27	578.76	579.00	579.06	579.15	578.76	578.48	578.20	578.39	578.69
30	578.30		578.18	578.70	578.98	579.21	578.84	578.93	578.60	578.45	578.74	578.70
31	578.99		577.84		578.87		578.98	579.17		578.72		578.45
MEAN	578.34	578.20	578.19	578.53	578.83	578.97	578.95	579.01	578.88	578.59	578.53	578.69
MAX.	579.54	579.22	578.72	580.76	579.79	579.64	579.46	580.24	580.38	579.64	579.40	579.92
	2300/31	0100/01	0800/18	0100/06	2200/20	1800/20	0900/23	0600/21	1800/14	1800/08	1700/26	2400/08
MIN.	575.57	577.35	577.43	573.87	578.20	578.29	577.45	577.74	578.23	575.22	576.77	575.30
	1700/04	0800/07	1800/13	1900/03	0100/11	1100/15	1100/11	1100/22	1400/17	1500/20	1500/12	1900/28

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

/ Indicates No Data.

ANNUAL MEAN: 578.64

ANNUAL SUMMARY OF LEVELS, 1982
Station 5059: Harrisville, Michigan on Lake Huron

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	578.92	Aug	578.07	Mar
Daily mean elevation:	579.06	10 Aug	577.75	23 Jan
Instant/hourly Elevation:	579.39	1400/18 Jul	577.17	1100/23 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
578.89	11 Jan
578.28	8 Feb
578.28	27 Mar
578.70	24 Apr
578.65	12 May
578.95	30 Jun
579.02	12 Jul
579.06	10 Aug
578.99	3 Sep
578.82	21 Oct
578.85	25 Nov
579.05	29 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
577.75	23 Jan
578.00	18 Feb
577.88	17 Mar
578.05	3 Apr
578.47	11 May
578.64	7 Jun
578.71	11 Jul
578.79	31 Aug
578.54	29 Sep
578.32	10 Oct
578.35	10 Nov
578.50	1 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
579.00							2	2				3	579.00	7
578.80	1					13	24	28	9	1	1	13	578.80	97
578.60				6	5	17	5	1	19	17	11	12	578.60	190
578.40	7			13	11				2	12	16	3	578.40	254
578.20	17	3	5	10						1	2		578.20	292
578.00	5	24	17	1									578.00	339
577.80		1	9										577.80	349
577.60	1												577.60	350

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

Station 5059: Harrisville, Michigan on Lake Huron

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	578.31	578.21	577.90	578.39	578.58	578.90*	578.89	579.03	578.75	578.71	578.49	578.50
2	578.46	578.18	578.12	578.38	578.62	578.82	578.86	578.90	578.84	578.54	578.42	578.54
3	578.11	578.17	578.05	578.05	578.56	578.73	578.82	578.94	578.99	578.58	578.61	578.67
4	578.18	578.27	577.96	578.39	578.50	578.71	578.81	578.94	578.97	578.65	578.65	578.85
5	578.35	578.16	578.00	578.60	578.47	578.72	578.75	578.96	578.89	578.53	578.48	578.68
6	578.39	578.17	578.03	578.42	578.52	578.76	578.76	578.92	578.84	578.59	578.68	578.71
7	578.58	578.20	578.03	578.47	578.65	578.64	578.88	578.93	578.77	578.61	578.59	579.04
8	578.50	578.28	578.10	578.42	578.63	578.66	578.88	578.92	578.77	578.75	578.56	578.88
9	578.58	578.18	577.95	578.34	578.62	578.65	578.89	579.00	578.81	578.62	578.55	578.87
10	578.25	578.17	577.96	578.41	578.51	578.70	578.78	579.06	578.74	578.32	578.35	578.83
11	578.89	578.15	577.97	578.37	578.47	578.77	578.71	579.00	578.70	578.52	578.44	578.98
12	578.46	578.18	578.01	578.36	578.65	578.68	579.02	578.98	578.72	578.68	578.44	578.99
13	578.38	578.11	577.88	578.27	578.51	578.74	578.84	578.95	578.69	578.64	578.80	578.71
14	578.32	578.11	578.20	578.46	578.51	578.73	578.81	578.90	578.81	578.68	578.53	578.83
15	578.28	578.02	578.08	578.29	578.55	578.65	578.85	578.88	578.66	578.80	578.63	578.74
16	578.30	578.16	577.88	578.32	578.57*	578.79	578.80	578.87	578.79	578.74	578.69	578.81
17	578.44	578.02	577.88	578.41	/	578.80	578.81	578.91	578.77	578.68	578.52	578.73
18	578.30	578.00	578.04	578.68	/	578.77	578.91	578.88	578.83	578.58	578.46	578.55
19	578.19	578.11	578.15	578.52	/	578.84	578.94	578.86	578.84	578.64	578.45	578.70
20	578.34	578.11	578.04	578.37	/	578.87	578.89	578.93	578.71	578.44	578.38	578.86
21	578.31	578.11	578.05	578.66	/	578.84	578.90	578.89	578.72	578.82	578.65	578.85
22	578.24	578.12	578.22	578.66	/	578.88	578.89	578.90	578.75	578.66	578.62	578.72
23	577.75	578.13	578.19	578.62	/	578.89	578.90	578.90	578.78	578.68	578.54	578.64
24	578.22	578.10	578.13	578.70	/	578.85	578.90	578.86	578.70	578.65	578.70	578.69
25	578.38	578.07	578.22	578.59	/	578.90	578.93	578.88	578.56	578.67	578.85	578.77
26	578.33	578.10	578.26	578.57	/	578.83	578.91	578.99	578.68	578.58	578.59	578.95
27	578.11	578.09	578.28	578.64	/	578.80	578.93	578.87	578.71	578.57	578.66	578.83
28	578.09	578.01	578.26	578.59	/	578.84	578.96	578.97	578.70	578.51	578.51	578.66
29	578.38		578.19	578.51	/	578.86	579.01	578.85	578.54	578.57	578.47	579.05
30	578.22		578.08	578.51	/	578.95	578.93	578.83	578.62	578.73	578.61	579.01
31	578.47		578.11		/		578.96	578.79		578.58		578.92
MEAN	578.33	578.13	578.07	578.47	578.56	578.79	578.87	578.92	578.76	578.62	578.56	578.79
MAX.	579.06	578.40	578.42	578.82	578.78	579.05	579.39	579.27	579.13	579.01	578.98	579.23
	0800/11	0100/01	2400/26	1900/21	2200/07	2100/30	1400/18	0100/04	1900/03	2400/14	1200/25	1200/29
MIN.	577.17	577.82	577.66	577.70	578.31	578.41	578.24	578.66	578.42	578.18	578.15	578.29
	1100/23	0700/15	1600/16	2200/03	0900/11	2100/07	2000/17	0800/19	0700/27	1700/20	1600/12	0300/06

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

/ Indicates No Data.

ANNUAL MEAN: 578.57

ANNUAL SUMMARY OF LEVELS, 1982

Station 5080: Mackinaw City, Michigan on Straits of Mackinac

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	578.96	Jul	578.10	Mar
Daily mean elevation:	579.16	13 Dec	577.89	7 Mar
Instant/hourly Elevation:	579.82	1000/20 Oct	577.54	2100/4 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
578.58	27 Jan
578.35	7 Feb
578.43	31 Mar
578.73	24 Apr
578.77	31 May
578.94	24 Jun
579.14	11 Jul
579.10	8 Aug
578.94	2 Sep
578.94	10 Oct
578.90	20 Nov
579.16	13 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
578.02	31 Jan
577.92	23 Feb
577.89	7 Mar
577.94	4 Apr
578.56	3 May
578.71	5 Jun
578.80	3 Jul
578.76	31 Aug
578.70	22 Sep
578.54	31 Oct
578.48	9 Nov
578.70	1 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
579.00							8	8				5	579.00	21
578.80						17	22	21	18	9	2	21	578.80	131
578.60				3	25	13	1	2	12	20	25	5	578.60	237
578.40	9		1	17	6					2	3		578.40	275
578.20	14	5	5	7									578.20	306
578.00	8	21	17	2									578.00	354
577.80		2	8	1									577.80	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

Station 5080: Mackinaw City, Michigan on Straits of Mackinac

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	578.28	578.20	578.00	578.08	578.59	578.79	578.86	579.04	578.81	578.69	578.59	578.70
2	578.52	578.27	577.92	578.38	578.58	578.75	578.89	578.97	578.94	578.82	578.68	578.82
3	578.42	578.02	577.96	578.46	578.56	578.73	578.80	579.06	578.84	578.74	578.74	578.89
4	578.10	578.20	577.92	577.94	578.66	578.74	578.85	579.04	578.86	578.72	578.77	578.76
5	578.51	578.19	578.01	578.25	578.74	578.71	578.93	579.00	578.90	578.73	578.69	578.86
6	578.39	578.25	578.08	578.14	578.75	578.75	578.99	579.01	578.74	578.76	578.73	578.90
7	578.39	578.35	577.89	578.30	578.69	578.85	579.02	579.02	578.81	578.91	578.77	578.86
8	578.44	578.17	578.07	578.34	578.60	578.76	578.93	579.10	578.90	578.71	578.50	578.82
9	578.20	578.16	578.00	578.36	578.59	578.77	578.89	579.02	578.88	578.78	578.48	578.96
10	578.42	578.22	578.12	578.48	578.70	578.82	578.88	578.97	578.85	578.94	578.72	579.00
11	578.33	578.22	578.00	578.38	578.76	578.84	579.14	578.93	578.92	578.89	578.64	578.88
12	578.34	578.14	578.12	578.47	578.62	578.78	578.92	578.94	578.87	578.84	578.77	578.85
13	578.30	578.13	578.16	578.28	578.61	578.79	578.92	578.93	578.88	578.75	578.68	579.16
14	578.30	578.20	578.01	578.42	578.68	578.78	578.93	578.91	578.80	578.85	578.65	578.90
15	578.44	578.15	578.04	578.46	578.68	578.78	578.93	578.92	578.83	578.61	578.82	578.77
16	578.26	578.05	578.14	578.52	578.64	578.81	579.01	578.92	578.78	578.60	578.79	578.76
17	578.42	578.07	578.05	578.45	578.65	578.84	579.06	578.87	578.89	578.71	578.64	578.97
18	578.32	578.11	578.15	578.44	578.75	578.78	579.07	578.89	578.78	578.83	578.67	579.13
19	578.34	578.15	578.03	578.44	578.74	578.85	578.95	578.99	578.91	578.75	578.72	578.87
20	578.15	578.18	578.05	578.45	578.64	578.87	578.98	578.85	578.78	578.88	578.90	578.82
21	578.20	578.05	578.13	578.51	578.60	578.86	579.00	578.88	578.77	578.63	578.73	578.79
22	578.39	578.18	578.15	578.58	578.64	578.84	578.97	579.03	578.70	578.65	578.66	578.85
23	578.50	577.92	578.29	578.69	578.68	578.85	578.95	578.89	578.81	578.70	578.61	578.92
24	578.06	577.95	578.34	578.73	578.72	578.94	579.02	578.83	578.80	578.76	578.78	578.82
25	578.21	578.05	578.17	578.67	578.72	578.86	579.00	578.92	578.71	578.66	578.75	578.92
26	578.30	578.08	577.97	578.50	578.73	578.82	578.94	578.93	578.77	578.61	578.62	578.85
27	578.58	578.01	578.02	578.53	578.70	578.88	578.96	578.80	578.73	578.65	578.68	578.86
28	578.09	578.09	578.30	578.55	578.76	578.87	578.96	578.85	578.80	578.71	578.67	579.06
29	578.26		578.24	578.56	578.73	578.83	578.99	578.91	578.88	578.89	578.69	578.99
30	578.07		578.36	578.57	578.73	578.86	579.05	578.84	578.81	578.80	578.72	579.07
31	578.02		578.43		578.77		579.01	578.76		578.54		579.12
MEAN	578.31	578.13	578.10	578.43	578.68	578.81	578.96	578.94	578.82	578.75	578.70	578.90
MAX.	579.43	578.79	578.91	578.91	578.97	579.17	579.61	579.43	579.22	579.82	579.40	579.52
	1100/23	0200/07	0200/31	1200/03	1100/18	2100/07	0900/07	1100/22	0700/02	1000/20	0700/12	1400/28
MIN.	577.54	577.67	577.69	577.55	578.40	578.54	578.65	578.54	578.55	578.28	578.25	578.48
	2100/04	0900/23	1800/01	0200/04	1300/21	2400/07	1000/18	0200/31	2100/01	2300/20	2400/12	0300/02

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

/ Indicates No Data.

ANNUAL MEAN: 578.63

ANNUAL SUMMARY OF LEVELS, 1982

Station 5099: DeTour Village, Michigan on Lake Huron

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	578.89	Jul	578.04	Mar
Daily mean elevation:	579.13	31 Dec	577.82	7 Mar
Instant/hourly Elevation:	579.37	1000/31 Dec	577.08	2200/4 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
578.63	2 Jan
578.38	7 Feb
578.29	31 Mar
578.75	24 Apr
578.73	31 May
578.86	24 Jun
579.01	18 Jul
579.00	8 Aug
578.87	4 Sep
578.82	30 Oct
578.87	16 Nov
579.13	31 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
577.94	24 Jan
577.89	24 Feb
577.82	7 Mar
577.84	4 Apr
578.46	22 May
578.64	8 Jun
578.75	4 Jul
578.64	27 Aug
578.51	25 Sep
578.50	16 Oct
578.42	23 Nov
578.57	1 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
579.00							1					3	579.00	4
578.80						6	28	22	7	1	2	12	578.80	82
578.60	1			3	11	24	2	9	20	21	14	14	578.60	201
578.40	6			13	20				3	9	14	2	578.40	268
578.20	13	5	6	10									578.20	302
578.00	9	15	11	3									578.00	340
577.80	2	8	14	1									577.80	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

Station 5099: DeTour Village, Michigan on Lake Huron

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	578.14	578.10	577.91	578.12	578.52	578.69	578.83	579.00	578.67	578.58	578.49	578.57
2	578.63	578.23	577.92	578.43	578.57	578.68	578.81	578.84	578.83	578.67	578.44	578.72
3	578.24	577.96	577.93	578.27	578.52	578.64	578.75	578.98	578.80	578.55	578.64	578.76
4	577.98	578.16	577.83	577,84	578.54	578.64	578.75	578.92	578.87	578.69	578.72	578.77
5	578.30	578.13	577.92	578.36	578.57	578.64	578.83	578.94	578.84	578.61	578.56	578.76
6	578.31	578.20	578.09	578.02	578.61	578.69	578.87	578.90	578.64	578.67	578.66	578.63
7	578.43	578.38	577.82	578.25	578.62	578.72	578.92	578.95	578.67	578.72	578.78	578.87
8	578.49	578.23	578.07	578.35	578.56	578.64	578.88	579.00	578.77	578.70	578.44	578.75
9	578.30	578.13	577.89	578.29	578.56	578.68	578.87	578.94	578.84	578.64	578.49	578.89
10	578.17	578.22	578.06	578.46	578.52	578.67	578.81	578.90	578.79	578.58	578.55	578.90
11	578.53	578.24	577.91	578.34	578.55	578.81	578.93	578.86	578.80	578.66	578.48	578.87
12	578.43	578.15	578.10	578.45	578.60	578.71	578.93	578.86	578.82	578.79	578.51	578.90
13	578.22	578.08	578.03	578.14	578.48	578.71	578.88	578.86	578.77	578.67	578.69	579.00
14	578.19	578.17	578.06	578.43	578.48	578.73	578.81	578.82	578.69	578.73	578.58	578.98
15	578.38	578.04	578.05	578.37	578.55	578.66	578.85	578.83	578.56	578.54	578.67	578.73
16	578.19	578.02	577.99	578.38	578.53	578.74	578.91	578.82	578.66	578.50	578.87	578.58
17	578.55	577.97	577.86	578.35	578.52	578.77	578.98	578.79	578.81	578.62	578.60	578.90
18	578.35	577.97	578.08	578.54	578.58	578.70	579.01	578.82	578.63	578.72	578.58	579.11
19	578.26	578.07	578.04	578.44	578.69	578.74	578.92	578.88	578.86	578.71	578.61	578.77
20	578.13	578.13	577.95	578.28	578.62	578.84	578.88	578.79	578.67	578.70	578.71	578.78
21	578.11	577.98	577.96	578.47	578.50	578.78	578.92	578.76	578.61	578.61	578.63	578.72
22	578.24	578.12	578.11	578.60	578.46	578.81	578.88	578.98	578.57	578.59	578.66	578.81
23	578.22	577.91	578.26	578.66	578.56	578.82	578.87	578.84	578.73	578.63	578.42	578.80
24	577.94	577.89	578.26	578.75	578.65	578.86	578.93	578.78	578.72	578.68	578.63	578.70
25	578.22	577.95	578.16	578.65	578.67	578.82	578.96	578.76	578.51	578.66	578.85	578.79
26	578.27	578.07	577.93	578.44	578.63	578.74	578.90	578.92	578.66	578.56	578.50	578.82
27	578.53	578.01	577.98	578.49	578.55	578.79	578.90	578.64	578.62	578.59	578.65	578.82
28	578.06	578.00	578.27	578.52	578.62	578.80	578.84	578.76	578.72	578.61	578.64	578.79
29	578.39		578.25	578.49	578.66	578.72	578.95	578.83	578.73	578.73	578.51	578.95
30	578.07		578.24	578.49	578.63	578.76	578.94	578.76	578.72	578.82	578.72	579.05
31	578.01		578.29		578.73		578.93	578.67		578.54		579.13
MEAN	578.27	578.09	578.04	578.39	578.58	578.73	578.89	578.85	578.72	578.65	578.61	578.83
MAX.	578.99	578.69	578.50	578.82	578.87	578.97	579.18	579.21	579.04	579.15	579.08	579.37
	2400/02	0300/07	0200/31	1900/24	1600/31	2000/24	0700/18	1000/22	0800/02	1100/20	1400/25	1000/31
MIN.	577.08	577.68	577.57	577.26	578.37	578.46	578.63	578.44	578.44	578.09	577.84	578.11
	2200/04	1300/23	1700/01	0100/04	1000/22	1100/01	2300/03	1900/27	1200/15	2400/20	2000/12	0700/06

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

/ Indicates No Data.

ANNUAL MEAN: 578.55

ANNUAL SUMMARY OF LEVELS, 1982

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

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	579.80	Dec	578.64	Mar
Daily mean elevation:	580.21	18 Dec	578.47	17 Mar
Instant/hourly Elevation:	580.49	0400/10 Dec	578.16	0200/5 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
579.12	8 Jan
578.91	7 Feb
578.94	31 Mar
579.19	24 Apr
579.17	31 May
579.54	7 Jun
579.85	11 Jul
579.89	22 Aug
579.78	29 Sep
580.05	10 Oct
579.99	16 Nov
580.21	18 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
578.54	24 Jan
578.49	28 Feb
578.47	17 Mar
578.56	4 Apr
578.80	1 May
578.88	2 Jun
579.36	12 Jul
579.29	28 Aug
579.46	25 Sep
579.33	16 Oct
579.42	2 Nov
579.40	21 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
580.20												1	580.20	1
580.00										1		4	580.00	6
579.80							1	3		1	7	13	579.80	31
579.60							6	15	5	15	15	7	579.60	94
579.40						6	15	12	3	9	7	5	579.40	151
579.20						16	5	1		3		1	579.20	177
579.00	4			4	15	6							579.00	206
578.80	12	3	4	20	15	2							578.80	262
578.60	9	13	14	5	1								578.60	304
578.40	4	12	13	1									578.40	334

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	578.57	578.60	578.57	578.79	578.80	578.88	579.42	579.68	/	579.38	579.47	579.82
2	578.96	578.79	578.56	578.98	578.85	578.88	579.39	579.62	/	579.59*	579.42	579.96
3	578.92	578.56	578.57	578.95	578.94	579.07	579.37	579.82	/	/	579.52	580.02
4	578.76	578.65	578.53	578.56	579.06	579.15	579.36	579.66	/	/	579.65	579.85
5	578.77	578.69	578.53	578.91	579.09	579.16	579.51	579.65	/	579.54*	579.61	579.98
6	579.00	578.67	578.70	578.63	579.10	579.20	579.55	579.69	/	579.62	579.62	579.89
7	578.97	578.91	578.48	578.76	579.08	579.54	579.54	579.74	/	579.77	579.84	579.95
8	579.12	578.84	578.61	578.86	578.92	579.25	579.47	579.81	/	579.61	579.46	579.93
9	578.84*	578.73	578.49	578.84	578.97	579.37	579.47	579.68	/	579.70	579.48	579.89
10	578.74*	578.76	578.64	578.91	579.06	579.26	579.53	579.52	/	580.05	579.76	580.04
11	579.07	578.83	578.55	578.84	579.06	579.44	579.85	579.58	/	579.66	579.59	579.85
12	579.10	578.71	578.62	578.92	578.98	579.39	579.36	579.60	/	579.75	579.82	579.91
13	578.81*	578.60	578.78	578.78	578.98	579.27	579.62	579.68	/	579.61	579.65	580.10
14	/	578.62	578.68	578.92	578.95	579.35	579.51	579.63	/	579.59	579.70	580.01
15	578.95*	578.66	578.72	578.89	578.98	579.32	579.53	579.68	/	579.36	579.69	579.82
16	578.83	578.58	578.64	578.86	578.97	579.24	579.61	579.60	/	579.33	579.99	579.51
17	578.92*	578.54	578.47	578.85	578.98	579.39	579.63	579.43	/	579.53	579.81	579.85
18	/	578.52	578.66	578.91	579.08	579.29	579.63	579.63	/	579.70	579.76	580.21
19	578.84	578.61	578.63	578.99	579.12	579.28	579.50	579.72	/	579.66	579.73	579.67
20	578.68	578.69	578.54	578.81	578.99	579.46	579.53	579.60	/	579.93	579.88	579.51
21	578.58	578.53	578.51	578.89	578.97	579.34	579.61	579.58	/	579.47	579.71	579.40
22	578.71	578.66	578.68	579.10	578.94	579.36	579.56*	579.89	/	579.62	579.73	579.63
23	578.83	578.55	578.79	579.19	579.00	579.35	/	579.71	579.62*	579.58	579.52	579.76
24	578.54	578.49	578.84	579.19	579.03	579.50	/	579.66	579.72	579.65	579.63	579.53
25	578.79	578.49	578.75	579.07	579.10	579.37	/	579.57	579.46	579.64	579.94	579.58
26	578.77*	578.63	578.54	578.81	579.09	579.40	/	579.78	579.55	579.54	579.76	579.44
27	579.03	578.56	578.50	578.74	579.01	579.45	579.56*	579.44	579.51	579.55	579.72*	579.70
28	578.79	578.49	578.74	578.87	579.04	579.44	579.39	579.29	579.66	579.61	/	579.71
29	578.90		578.85	578.83	579.12	579.20	579.60	579.50	579.78	579.75	579.72*	579.65
30	578.76		578.81	578.81	579.00	579.14	579.74	579.59	579.65	579.78	579.84	579.75
31	578.57		578.94		579.17		579.58	579.56*		579.57		579.98
MEAN	578.83	578.64	578.64	578.88	579.01	579.29	579.53	579.63	579.62	579.63	579.69	579.80
MAX.	579.42	579.14	579.04	579.32	579.37	579.79	580.15	580.13	579.89	580.23	580.27	580.49
	0400/03	0700/07	1100/31	2100/23	1900/31	2000/07	1300/11	1200/22	1800/29	1000/10	1000/12	0400/10
MIN.	578.16	578.32	578.29	578.38	578.69	578.61	579.16	578.87	579.37	579.12	579.20	578.88
	0200/05	0300/25	0900/17	1100/04	1700/08	1600/02	0700/12	1500/28	0800/25	1500/01	2200/08	0500/26

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

/ Indicates No Data.

ANNUAL MEAN: 579.27

ANNUAL SUMMARY OF LEVELS, 1982

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

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	580.32	Dec	578.88	Mar
Daily mean elevation:	580.77	10 Dec	578.66	27 Mar
Instant/hourly Elevation:	581.16	0500/10 Dec	578.35	0300/5 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
579.39	12 Jan
579.17	7 Feb
579.07	13 Mar
579.33	24 Apr
579.38	31 May
579.81	7 Jun
580.22	11 Jul
580.36	22 Aug
580.29	19 Sep
580.51	10 Oct
580.59	25 Nov
580.77	10 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
578.72	1 Jan
578.74	28 Feb
578.66	27 Mar
578.89	1 Apr
579.01	1 May
579.11	2 Jun
579.70	4 Jul
579.62	28 Aug
579.60	6 Sep
579.87	16 Oct
579.95	2 Nov
579.82	21 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
580.60												4	580.60	4
580.40										2	8	10	580.40	24
580.20							1	2	5	4	14	4	580.20	54
580.00							2	22	13	19	6	8	580.00	124
579.80						1	21	6	10	6	2	5	579.80	175
579.60						15	7	1	1				579.60	199
579.40						10			1				579.40	210
579.20	6			5	20	2							579.20	243
579.00	16	6	5	16	11	2							579.00	299
578.80	6	19	19	9									578.80	352
578.60	3	3	7										578.60	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	578.72	578.89	578.85	578.89	579.01	579.11	579.72	580.06	580.08	579.90	579.95	580.40
2	579.10	579.08	578.83	579.17	579.04	579.11	579.71	580.00	580.21	580.13	579.95	580.48
3	579.08	578.87	578.86	579.11	579.17	579.23	579.70	580.17	580.01	579.96	580.04	580.55
4	578.92	578.92	578.84	578.90	579.29	579.35	579.70	580.01	579.94	580.04	580.16	580.37
5	578.96	578.98	578.82	579.30	579.32	579.43	579.83	579.99	579.72	580.03	580.22	580.51
6	579.20	578.94	578.98	578.98	579.32	579.46	579.91	580.11	579.60	580.07	580.22	580.50
7	579.20	579.17	578.80	579.03	579.29	579.81	579.87	580.17	580.06	580.22	580.36	580.53
8	579.38	579.14	578.88	579.10	579.12	579.54	579.81	580.20	580.16	580.11	580.10	580.57
9	579.08	579.01	578.77	579.06	579.19	579.65	579.80	580.15	580.24	580.14	580.09	580.54
10	579.07	579.03	578.90	579.08	579.27	579.54	579.89	580.00	580.19	580.51	580.27	580.77
11	579.37	579.09	578.85	579.01	579.27	579.72	580.22	580.03	579.97	580.13	580.18	580.60
12	579.39	579.00	578.90	579.10	579.22	579.68	579.75	580.01	579.96	580.23	580.51	580.60
13	579.07	578.87	579.07	578.94	579.22	579.58	579.97	580.10	580.18	580.12	580.21	580.74
14	578.99	578.87	578.97	579.08	579.18	579.66	579.87	580.02	580.07	580.11	580.29	580.66
15	579.09	578.96	579.02	579.06	579.20	579.64	579.88	580.11	579.97	579.92	580.23	580.45
16	579.08	578.88	578.93	579.02	579.20	579.54	579.96	580.05	579.92	579.87	580.55	580.11
17	579.28	578.84	578.75	578.99	579.20	579.70	579.98	579.84	580.21	579.99	580.43	580.30
18	579.22	578.81	578.91	579.02	579.30	579.59	580.02	580.07	579.85	580.18	580.34	580.61
19	579.07	578.89	578.88	579.18	579.31	579.59	579.88	580.16	580.29	580.15	580.24	580.10
20	578.93	578.95	578.77	578.96	579.22	579.74	579.92	580.05	580.11	580.45	580.38	579.92
21	578.78	578.81	578.71	579.03	579.20	579.64	579.99	580.04	580.02	580.01	580.28	579.82
22	578.96	578.94	578.87	579.27	579.16	579.66	579.92	580.36	579.94	580.13	580.26	580.02
23	579.07	578.86	578.96	579.33	579.23	579.62	579.90	580.19	580.03	580.07	580.15	580.12
24	578.80	578.79	579.01	579.33	579.24	579.79	579.98	580.13	580.19	580.14	580.28	579.94
25	579.08	578.78	578.91	579.22	579.31	579.67	579.94	580.05	579.96	580.14	580.59	579.99
26	579.07	578.90	578.71	579.02	579.31	579.69	579.90	580.23	579.99	580.04	580.46	579.87
27	579.28	578.82	578.66	578.90	579.24	579.72	579.95	579.96	579.95	580.00	580.42	580.10
28	579.11	578.74	578.91	579.07	579.26	579.74	579.79	579.62	580.09	580.05	580.45	580.12
29	579.17		579.04	578.99	579.33	579.50	579.97	579.84	580.24	580.22	580.34	580.06
30	579.06		578.96	578.98	579.21	579.43	580.14	580.08	580.12	580.26	580.41	580.16
31	578.85		579.06		579.38		579.96	580.03		580.04		580.37
MEAN	579.08	578.92	578.88	579.07	579.23	579.57	579.90	580.06	580.04	580.11	580.28	580.32
MAX.	579.68	579.36	579.26	579.61	579.61	580.21	580.59	580.70	580.62	580.81	580.98	581.16
	1500/11	0700/07	1100/29	2000/23	1900/31	2000/07	1300/11	1300/22	1800/09	1000/10	1000/12	0500/10
MIN.	578.35	578.62	578.53	578.62	578.86	578.78	579.55	579.15	579.41	579.51	579.80	579.37
	0300/05	0600/25	0500/27	0800/27	1500/08	1500/02	0800/12	1600/28	1600/06	1700/01	1800/03	0500/26

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

/ Indicates No Data.

ANNUAL MEAN: 579.62

ANNUAL SUMMARY OF LEVELS, 1982

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

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	601.13	Nov	599.42	Mar
Daily mean elevation:	601.61	12 Nov	598.97	2 Apr
Instant/hourly Elevation:	603.34	1600/12 Nov	597.97	1900/2 Apr

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
600.81	10 Jan
599.91	7 Feb
599.73	13 Mar
600.06	17 Apr
600.50	20 May
600.56	25 Jun
600.96	28 Jul
601.17	9 Aug
601.42	3 Sep
601.61	15 Oct
601.61	12 Nov
601.47	6 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
599.20	2 Jan
599.21	28 Feb
599.00	12 Mar
598.97	2 Apr
599.58	4 May
599.92	7 Jun
600.12	5 Jul
600.61	3 Aug
600.50	29 Sep
600.51	10 Oct
600.72	19 Nov
600.36	17 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
601.60										1	1		601.60	2
601.40									1	1	3	1	601.40	8
601.20										3	7	5	601.20	23
601.00								5	5	11	10	5	601.00	59
600.80	1						9	18	13	10	6	10	600.80	126
600.60							9	8	9	3	3	7	600.60	165
600.40					1	9	5		2	2		2	600.40	186
600.20	4				12	19	7					1	600.20	229
600.00	6			2	7	1	1						600.00	246
599.80	5	2		3	8	1							599.80	265
599.60	11	10	5	14	2								599.60	307
599.40	1	11	12	8	1								599.40	340
599.20	2	5	11	2									599.20	360
599.00	1		2										599.00	363
598.80			1	1									598.80	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	600.34	599.64	599.72	599.77	599.88	600.40	600.35	600.85	600.75	601.03	601.08	600.87
2	599.20	599.64	599.61	598.97	599.93	600.51	600.32	600.69	601.07	600.54	601.17	600.67
3	599.97	599.82	599.40	599.70	599.82	600.34	600.31	600.61	601.42	600.97	601.06	600.99
4	600.17	599.63	599.40	600.02	599.58	600.23	600.33	600.89	600.93	600.72	601.15	601.06
5	599.61	599.70	599.48	599.65	599.71	600.26	600.12	600.84	601.03	600.86	601.54	600.97
6	600.35	599.62	599.40	599.66	599.95	600.22	600.22	600.79	600.98	600.65	601.43	601.47
7	600.12	599.91	599.52	599.54	599.99	599.92	600.39	600.80	600.72	600.86	601.13	601.40
8	600.16	599.73	599.28	599.50	600.00	600.28	600.46	600.83	600.65	601.11	601.47	601.32
9	600.07	599.73	599.37	599.49	599.99	600.14	600.47	601.17	600.76	600.72	601.14	600.77
10	600.81	599.62	599.19	599.48	599.70	600.32	600.39	601.15	600.69	600.51	600.75	601.31
11	600.20	599.66	599.48	599.56	600.01	600.33	600.86	601.01	600.72	600.98	601.15	601.26
12	599.82	599.60	599.00	599.25	600.19	600.35	600.82	600.96	600.70	601.07	601.61	600.78
13	599.76	599.59	599.73	599.80	599.98	600.35	600.62	600.82	600.81	601.18	601.30	600.77
14	599.70	599.29	599.62	599.45	600.02	600.21	600.64	600.83	600.86	601.28	601.24	600.75
15	599.76	599.59	599.25	599.34	600.14	600.45	600.57	600.79	600.85	601.61	601.11	600.97
16	600.29	599.48	599.25	599.51	600.13	600.44	600.59	600.91	600.96	601.36	601.15	600.88
17	599.81	599.30	599.42	600.06	600.10	600.40	600.59	600.96	600.84	600.93	600.91	600.36
18	599.74	599.35	599.48	599.80	600.13	600.42	600.79	600.77	601.04	600.93	600.79	600.50
19	599.71	599.44	599.49	599.74	600.31	600.41	600.82	600.86	600.82	601.10	600.72	600.97
20	599.75	599.46	599.32	599.86	600.50	600.35	600.74	600.95	601.17	601.48	600.81	601.14
21	599.60	599.59	599.52	599.77	600.29	600.40	600.74	600.87	601.01	601.32	601.24	600.92
22	599.28	599.39	599.51	599.67	600.32	600.49	600.94	600.93	600.84	601.18	600.99	600.71
23	599.64	599.68	599.26	599.64	600.33	600.38	600.85	600.92	600.73	601.11	601.40	600.51
24	600.03	599.51	599.44	599.60	600.34	600.26	600.70	600.88	600.86	601.00	601.21	600.89
25	599.87	599.48	599.58	599.78	600.29	600.56	600.83	600.89	600.88	601.15	601.23	601.09
26	599.68	599.52	599.64	599.91	600.25	600.32	600.82	600.97	600.78	601.06	601.31	601.00
27	599.32	599.51	599.48	599.85	600.25	600.27	600.87	601.13	600.86	600.90	601.05	600.80
28	600.22	599.21	599.31	599.77	600.34	600.40	600.96	601.10	600.58	600.85	600.85	601.20
29	599.66		599.22	599.77	600.29	600.52	600.76	600.77	600.50	600.97	600.99	601.23
30	599.93		599.01	599.79	600.38	600.52	600.77	600.96	600.82	601.16	600.81	601.12
31	599.66		599.54		600.33		600.78	600.75		601.10		600.99
MEAN	599.88	599.56	599.42	599.66	600.11	600.35	600.63	600.89	600.85	601.02	601.13	600.96
MAX.	601.65	600.30	600.68	600.88	600.82	600.95	601.67	601.60	601.75	602.36	603.34	602.76
	2100/10	2400/07	2000/13	2200/03	2000/20	1000/02	1400/17	1200/09	1100/03	2100/20	1600/12	1900/28
MIN.	598.36	598.56	598.28	597.97	598.47	598.67	599.21	599.58	599.63	599.98	599.65	599.96
	2000/02	1900/14	0500/16	1900/02	1600/10	0900/07	1600/17	1700/03	2400/29	0700/10	0200/12	1800/17

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

/ Indicates No Data.

ANNUAL MEAN: 600.37

ANNUAL SUMMARY OF LEVELS, 1982

Station 7023: Ludington, Michigan on Lake Michigan

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	579.21	Jul	578.43	Mar
Daily mean elevation:	579.57	28 Dec	578.02	11 Jan
Instant/hourly Elevation:	580.07	1000/28 Dec	577.77	2300/10 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
579.20	23 Jan
578.61	3 Feb
578.70	30 Mar
579.19	3 Apr
579.17	22 May
579.19	26 Jun
579.35	16 Jul
579.53	4 Aug
579.29	15 Sep
579.49	10 Oct
579.11	20 Nov
579.57	28 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
578.02	11 Jan
578.33	8 Feb
578.14	14 Mar
578.38	1 Apr
578.85	2 May
578.99	30 Jun
579.03	12 Jul
578.89	28 Aug
578.80	3 Sep
578.68	16 Oct
578.52	6 Nov
578.80	11 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
579.40								2		1		1	579.40	4
579.20							16	5	4	1		8	579.20	38
579.00	2			2	21	26	15	21	17	10	4	12	579.00	168
578.80	1			10	10	4		3	8	14	17	9	578.80	244
578.60	7	1	6	11					1	5	8	1	578.60	284
578.40	16	20	8	5							1		578.40	334
578.20	4	7	15	2									578.20	362
578.00	1		2										578.00	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

Station 7023: Ludington, Michigan on Lake Michigan

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	578.55	578.46	578.44	578.38	578.85	579.00	579.06	579.16	579.24	579.01	578.99	578.98
2	578.55	578.49	578.19	578.48	578.85	579.00	579.09	579.40	579.17	579.13	579.08	579.09
3	578.91	578.61	578.30	579.19	578.92	579.05	579.12	579.39	578.80	579.08	578.98	579.27
4	579.10	578.36	578.40	578.40	578.97	579.10	579.10	579.53	578.91	578.99	578.83	578.93
5	578.79	578.55	578.31	578.50	579.08	579.02	579.14	579.35	579.04	579.10	578.91	579.36
6	578.70	578.55	578.38	578.64	579.02	579.03	579.18	579.41	579.16	579.12	578.52	579.23
7	578.41	578.43	578.30	578.58	578.94	579.02	579.14	579.35	579.11	579.15	578.74	578.90
8	578.48	578.33	578.32	578.65	578.91	579.13	579.04	579.33	579.10	579.01	578.75	579.04
9	578.35	578.47	578.43	578.60	578.90	579.03	579.07	579.20	578.98	579.11	578.67	579.01
10	578.28	578.42	578.38	578.63	579.09	579.11	579.25	579.00	579.10	579.49	578.98	578.98
11	578.02	578.42	578.43	578.64	579.06	578.99	579.31	579.11	579.12	579.21	578.91	578.80
12	578.54	578.41	578.40	578.75	578.97	579.06	579.03	579.08	579.09	579.00	579.02	578.92
13	578.67	578.44	578.63	578.83	579.06	579.02	579.19	579.09	579.14	578.97	578.72	579.09
14	578.71	578.46	578.14	578.67	579.10	579.05	579.33	579.15	579.15	578.94	579.00	579.07
15	578.69	578.55	578.32	578.88	579.05	579.14	579.28	579.16	579.29	578.72	578.81	579.16
16	578.43	578.50	578.61	578.78	579.03	579.01	579.35	579.13	578.93	578.68	578.72	579.09
17	578.33	578.60	578.67	578.82	579.06	579.05	579.31	579.03	579.01	578.81	578.90	579.14
18	578.52	578.54	578.40	578.47	579.01	579.13	579.31	579.08	578.91	578.86	578.96	579.30
19	578.69	578.45	578.51	578.94	578.99	579.09	579.33	579.11	578.94	578.95	578.95	579.22
20	578.55	578.41	578.58	579.02	578.88	579.06	579.33	579.08	579.04	579.15	579.11	578.99
21	578.58	578.41	578.63	578.76	579.08	579.12	579.28	579.04	578.98	578.74	578.89	578.94
22	578.70	578.34	578.37	578.71	579.17	579.08	579.29	579.07	578.99	578.89	578.93	579.15
23	579.20	578.38	578.40	578.74	579.15	579.09	579.25	579.14	578.88	578.83	578.98	579.28
24	578.54	578.49	578.50	578.70	579.02	579.12	579.22	579.17	579.02	578.82	578.77	579.35
25	578.46	578.37	578.41	578.83	579.02	579.06	579.20	579.10	579.22	578.80	578.63	579.32
26	578.49	578.35	578.40	578.87	579.09	579.19	579.23	579.10	579.03	578.88	578.90	579.03
27	578.60	578.36	578.30	578.83	579.12	579.18	579.23	579.12	579.03	578.90	578.80	579.18
28	578.55	578.42	578.34	578.87	579.15	579.15	579.17	578.89	579.03	579.02	578.99	579.57
29	578.32		578.41	578.90	579.07	579.18	579.11	578.98	579.21	578.92	579.07	578.97
30	578.43		578.70	578.94	579.11	578.99	579.27	579.04	579.15	578.73	578.91	578.95
31	578.41		578.66		579.04		579.17	579.16		578.90		579.03
MEAN	578.57	578.45	578.43	578.73	579.02	579.08	579.21	579.16	579.06	578.96	578.88	579.11
MAX.	579.84	579.04	579.20	579.87	579.46	579.50	579.80	579.89	579.53	579.61	579.42	580.07
	0600/23	1600/24	2400/19	1400/03	0800/28	0700/10	2400/16	0100/04	1500/01	1800/10	1400/02	1000/28
MIN.	577.77	578.02	577.92	578.13	578.58	578.54	578.69	578.65	578.62	578.55	578.32	578.60
	2300/10	1400/22	0300/20	0500/02	2000/20	0600/07	1300/07	2300/29	2200/03	1200/16	1200/06	0800/02

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

/ Indicates No Data.

ANNUAL MEAN: 578.89

ANNUAL SUMMARY OF LEVELS, 1982
Station 7031: Holland, Michigan on Lake Michigan

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	579.08	Aug	578.33	Feb
Daily mean elevation:	579.37	2 Aug	578.08	29 Jan
Instant/hourly Elevation:	580.04	1400/4 Jan	577.84	1200/27 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
579.31	4 Jan
578.57	3 Feb
578.57	20 Mar
578.94	20 Apr
579.14	22 May
579.20	29 Jun
579.23	19 Jul
579.37	2 Aug
579.27	25 Sep
579.25	10 Oct
579.01	2 Nov
579.21	5 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
578.08	29 Jan
578.15	22 Feb
578.17	28 Mar
578.26	2 Apr
578.71	2 May
578.85	11 Jun
578.89	12 Jul
578.81	29 Aug
578.77	23 Sep
578.44	30 Oct
578.38	6 Nov
578.72	13 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
579.20	1						2	7	1	1		1	579.20	13
579.00					6	13	21	13	5		1	11	579.00	83
578.80	3			5	22	17	8	9	4	12	9	14	578.80	186
578.60	9			7	3				1	13	13	5	578.60	237
578.40	10	6	10	13						5	6		578.40	287
578.20	5	20	17	5							1		578.20	335
578.00	3	2	4										578.00	344

INTERNATIONAL
GREAT LAKES
DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

Station 7031: Holland, Michigan on Lake Michigan

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	578.61	578.32	578.32	578.26	578.79	578.90	578.92	579.07*	579.08*	578.99	578.88	578.93
2	578.33	578.35	578.32	578.26	578.71	578.96	578.94	579.37	/	578.96	579.01	578.95
3	578.81	578.57	578.26	578.86	578.83	579.03	579.05	579.22	/	578.97	578.77	579.02
4	579.31	578.31	578.46	578.41	578.85	579.03	579.05	579.36	/	578.87	578.67	578.91
5	578.67	578.50	578.33	578.41	578.87*	578.98	578.98	579.30	/	578.94	578.84	579.21
6	578.68	578.40	578.24	578.57	578.81	578.92	578.95	579.31	/	578.91	578.38	579.16
7	578.36	578.23	578.40	578.38	578.74	579.00	578.90	579.22	/	578.91	578.46	578.82
8	578.40	578.24	578.18	578.44	578.82	579.02	578.95	579.24	/	578.88	578.65	579.03
9	578.61	578.35	578.51	578.47	578.81	578.99	578.91	579.16*	/	578.89	578.61	578.88
10	578.84*	578.21	578.24	578.34	578.87	578.96	579.07	578.96	/	579.25	578.80	578.87
11	578.28*	578.21	578.40	578.49	578.91	578.85	579.15	579.10	/	578.99	578.82	578.73
12	578.51*	578.32	578.19	578.43	578.86	578.93	578.89	579.09*	/	578.79	578.91	578.78
13	578.61	578.33	578.39	578.68	578.96	578.90	579.09	579.07	/	578.87	578.60	578.72
14	578.62	578.30	578.18	578.48	578.98	578.91	579.19	579.10	/	578.75	578.93	578.83
15	578.52	578.40	578.31	578.60	578.95	579.09	579.10	579.11	/	578.74	578.58	579.03
16	578.68	578.40	578.56	578.65	578.93	578.95	579.08	579.05	/	578.67	578.47	579.09
17	578.19*	578.45	578.57	578.66	578.98	578.93	579.14	579.03	/	578.60	578.73	578.84
18	578.50	578.44	578.37	578.37	578.92	579.13	579.18	/	/	578.62	578.78	578.92
19	578.49	578.29	578.41	578.76	578.82	579.02	579.23	/	/	578.64	578.78	579.11
20	578.47	578.25	578.57	578.94	578.94	578.98	579.20	579.06	/	578.91	578.84	578.88
21	578.61	578.39	578.54	578.58	579.00	579.06	579.14	578.98	579.02*	578.64	578.72	578.85
22	578.47	578.15	578.32	578.58	579.14	579.05	579.22	578.86	578.93	578.74	578.74	578.92
23	578.93	578.42	578.28	578.54	579.08	579.00	579.18	579.04	578.77	578.63	578.97	579.08
24	578.70	578.43	578.34	578.48	578.95	578.98	579.10	579.08	579.05	578.57	578.64	579.14
25	578.47	578.30	578.41	578.63	578.93	579.06	579.03	579.00	579.27	578.54	578.43	579.16
26	578.39	578.19	578.48	578.87	578.99	579.13	579.12	578.88	579.06	578.66	578.82	578.96
27	578.20	578.23	578.35	578.76	579.08	579.13	579.20	579.10	579.06	578.66	578.59	579.09
28	578.48	578.25	578.17	578.77	579.01	579.12	579.13*	578.86	578.91	578.67	578.74	579.17
29	578.08		578.26	578.88	579.02	579.20*	579.01	578.81	578.97	578.58	578.94	578.97
30	578.42		578.36	578.89	579.02	578.90*	579.17	578.98	578.91	578.44	578.76	578.74
31	578.47		578.42		578.97		579.08*	578.99		578.71		578.78
MEAN	578.54	578.33	578.36	578.58	578.92	579.00	579.08	579.08	579.00	578.77	578.73	578.95
MAX.	580.04	578.69	578.79	579.99	579.26	579.33	579.34	579.49	579.37	579.53	579.61	579.81
	1400/04	1300/03	0300/17	1900/03	0300/23	1700/15	1400/20	1200/02	0700/25	1700/20	1600/12	0400/06
MIN.	577.84	578.02	578.05	578.01	578.61	578.67	578.72	578.76	578.68	578.33	578.28	578.56
	1200/27	2100/22	1900/08	0200/02	2000/06	2100/06	2000/07	0400/29	2100/23	0800/30	1700/25	0700/12

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

ANNUAL MEAN: 578.78

ANNUAL SUMMARY OF LEVELS, 1982

Station 7044: Calumet Harbor, Illinois on Lake Michigan

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	579.15	Aug	578.39	Mar
Daily mean elevation:	579.51	25 Sep	577.83	7 Feb
Instant/hourly Elevation:	580.14	2000/5 Apr	576.27	0900/3 Apr

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
579.18	31 Jan
578.97	3 Feb
578.75	4 Mar
579.14	5 Apr
579.37	21 May
579.35	26 Jun
579.41	23 Jul
579.43	6 Aug
579.51	25 Sep
579.23	10 Oct
579.17	23 Nov
579.37	16 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
577.90	27 Jan
577.83	7 Feb
577.93	13 Mar
578.02	3 Apr
578.77	7 May
578.94	11 Jun
578.87	12 Jul
578.73	22 Aug
578.80	23 Sep
578.39	29 Oct
578.18	6 Nov
578.28	13 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
579.40							2	1	1				579.40	4
579.20					3	6	8	10	8	1		5	579.20	45
579.00	2			5	15	19	16	16	7	4	3	8	579.00	140
578.80	3	2		4	12	5	5	3	13	10	10	11	578.80	218
578.60	8	5	6	10	1			1	1	10	9	3	578.60	272
578.40	7	5	8	8						4	4	3	578.40	311
578.20	4	11	12	2						2	3	1	578.20	346
578.00	4	4	4	1							1		578.00	360
577.80	3	1	1										577.80	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

Station 7044: Calumet Harbor, Illinois on Lake Michigan

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	578.61	578.53	578.24	578.34	578.90	579.03	579.08	579.04	579.10	579.15	578.96	578.96
2	578.42	578.45	578.62	578.50	578.81	579.15	579.05	579.24	578.95	579.09	579.13	578.93
3	578.94	578.97	578.58	578.02	578.90	579.33	579.16	579.16	578.87	579.04	578.65	578.84
4	579.16	578.66	578.75	578.67	578.93	579.27	579.20	579.30	578.92	578.95	578.47	579.04
5	578.65	578.64	578.36	579.14	578.89	579.18	579.11	579.36	578.91	578.99	578.60	579.21
6	578.84	578.13	578.25	579.00	578.82	578.99	578.92	579.43	579.36	578.92	578.18	579.08
7	578.40	577.83	578.44	578.66	578.77	579.17	578.89	579.32	579.32	578.80	578.31	578.93
8	578.20	578.26	578.09	578.58	578.97	579.12	579.04	579.23	579.06	578.92	578.78	579.24
9	578.69	578.39	578.38	578.53	578.98	579.16	579.00	579.25	578.91	579.13	579.03	578.94
10	578.19	578.10	578.20	578.33	578.99	579.01	579.07	579.19	578.94	579.23	578.91	578.75
11	578.09	578.03	578.32	578.62	578.95	578.94	579.06	579.25	578.89	578.87	578.69	578.88
12	578.45	578.36	578.19	578.51	579.02	579.03	578.87	579.28	578.91	578.73	578.58	578.89
13	578.74	578.36	577.93	578.69	579.11	578.96	579.16	579.22	578.96	578.91	578.64	578.28
14	578.68	578.19	578.16	578.66	579.13	578.96	579.18	579.16	579.23	578.52	578.91	578.53
15	578.41	578.29	578.45	578.74	579.03	579.18	579.08	579.18	579.36	578.84	578.45	579.12
16	578.42	578.66	578.68	578.72	578.97	579.18	579.03	579.14	579.22	578.92	578.29	579.37
17	577.97	578.82	578.63	578.48	579.10	579.09	578.89	579.20	578.95	578.63	578.69*	578.84
18	578.36	578.57	578.41	578.47	579.01	579.28	579.11	579.05	579.04	578.46	578.89*	578.55
19	578.52	578.24	578.60	578.81	578.88	579.11	579.24	578.82	578.87	578.50	578.91	579.03
20	578.75	578.31	578.74	578.92	579.23	579.01	579.34	579.10	579.26	578.45	578.84	579.05
21	578.87	578.51	578.49	578.64	579.37	579.11	579.30	579.17	579.39	578.68	578.82	578.94
22	578.76	578.23	578.30	578.66	579.31	579.12	579.41	578.73	579.20	578.82	578.96	578.87
23	577.92	578.74	578.28	578.51	579.20	579.08	579.41	579.03	578.80	578.68	579.17	579.13
24	578.44	578.79	578.32	578.50	579.07	578.97	579.25	579.16	579.08	578.61	578.62	579.22
25	578.55	578.47	578.52	578.68	579.10	579.17	579.08	579.16	579.51	578.62	578.24	579.03
26	578.40	578.24	578.74	579.04	579.14	579.35	579.28	578.90	579.28	578.76	578.80	579.02
27	577.90	578.38	578.59	579.04	579.17	579.27	579.34	579.22	579.13	578.73	578.78	579.23
28	578.24	578.35	578.21	579.01	579.02	579.17	579.40	579.06	578.97	578.67	578.89	578.49
29	578.12		578.33	579.06	579.10	579.29	579.19	579.00	579.01	578.39	578.86	578.85
30	578.70		578.22	578.95	579.07	579.16	579.22	579.04	578.97	578.40	578.80	578.70
31	579.18		578.21		579.03		579.12	579.20		578.82		578.66
MEAN	578.50	578.41	578.39	578.68	579.03	579.13	579.14	579.15	579.08	578.78	578.73	578.92
MAX.	579.61	579.63	579.21	580.14	579.85	579.73	579.77	580.07	579.66	579.41	579.65	579.93
	2000/04	1200/24	0500/20	2000/05	2400/21	1500/25	0300/28	0600/04	1400/06	1100/01	1600/02	0200/06
MIN.	577.06	577.25	577.44	576.27	578.40	577.96	578.46	578.25	578.48	577.63	577.87	577.50
	0900/27	0900/07	0900/13	0900/03	0600/07	2100/06	0700/07	0600/19	0900/05	0400/20	0900/12	1400/28

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

ANNUAL MEAN: 578.83

ANNUAL SUMMARY OF LEVELS, 1982

Station 7057: Milwaukee, Wisconsin on Lake Michigan

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST			LOWEST	
Monthly mean elevation:	579.16	Jul	Monthly mean elevation:	578.37	Mar
Daily mean elevation:	579.39	6 Aug	Daily mean elevation:	578.01	13 Mar
Instant/hourly Elevation:	579.73	1300/5 Dec	Instant/hourly Elevation:	577.48	1100/13 Mar

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
579.28	4 Jan
578.68	3 Feb
578.75	20 Mar
578.96	29 Apr
579.28	22 May
579.22	26 Jun
579.32	22 Jul
579.39	6 Aug
579.32	25 Sep
579.34	10 Oct
579.06	10 Nov
579.38	5 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
578.01	11 Jan
578.09	7 Feb
578.01	13 Mar
578.44	10 Apr
578.79	7 May
578.96	13 Jun
578.91	12 Jul
578.85	22 Aug
578.78	3 Sep
578.53	30 Oct
578.34	6 Nov
578.72	13 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
579.20	1				1	2	11	7	4	2		4	579.20	32
579.00					18	25	16	19	15	4	2	12	579.00	143
578.80	2			7	11	3	4	5	10	10	14	11	578.80	220
578.60	8	3	3	11	1				1	14	7	4	578.60	272
578.40	8	9	8	7						1	6		578.40	311
578.20	7	13	16								1		578.20	348
578.00	5	3	2										578.00	358

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

Station 7057: Milwaukee, Wisconsin on Lake Michigan

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	578.53	578.46	578.26	/	578.84	579.00	579.09	579.12	579.15	579.07	579.00	579.07
2	578.71	578.47	578.42	/	578.81	579.05	579.12	579.32	578.95	579.10	579.04	579.06
3	578.91	578.68	578.45	/	578.92	579.14	579.14	579.32	578.78	578.99	578.75	579.03
4	579.28	578.48	578.61	/	578.99	579.11	579.13	579.36	578.92	578.97	578.58	578.94
5	578.77	578.54	578.29	/	579.00	579.08	579.13	579.34	579.01	579.05	578.62	579.38
6	578.65	578.23	578.25	578.67*	578.92	579.03	579.10	579.39	579.26	579.05	578.34	579.02
7	578.31	578.09	578.30	578.57	578.79	579.18	578.97	579.35	579.22	578.91	578.59	578.85
8	578.30	578.21	578.22	578.58	578.90	579.08	578.98	579.26	579.05	578.93	578.70	579.06
9	578.34	578.26	578.33	578.57	578.93	579.10	579.00	579.15	578.97	579.22	578.90	578.94
10	578.06	578.12	578.28	578.44	579.02	579.03	579.16	579.09	579.03	579.34	579.06	578.81
11	578.01	578.17	578.33	578.57	579.02	578.96	579.13	579.20	578.97	578.96	578.90	578.77
12	578.53	578.38	578.26	578.63	578.94	579.04	578.91	579.20	578.99	578.80	578.72	578.87
13	578.71	578.39	578.01	578.69	579.10	578.96	579.18	579.16	579.03	578.87	578.66	578.72
14	578.67	578.40	578.10	578.66	579.12	579.02	579.22	579.15	579.18	578.64	578.89	578.87
15	578.49	578.45	578.40	578.77	579.06	579.18	579.19	579.17	579.30	578.67	578.59	579.12
16	578.20	578.52	578.62	578.78	579.00	579.05	579.16	579.11	579.04	578.76	578.51	579.14
17	578.13	578.66	578.55	578.66	579.09	579.07	579.12	579.06	578.99	578.78	578.83	579.04
18	578.49	578.52	578.42	578.49	579.02	579.22	579.16	579.08	578.97	578.70	578.90	579.04
19	578.59	578.34	578.56	578.91	578.92	579.08	579.21	578.95	578.91	578.80	578.95	579.07
20	578.71	578.34	578.75	578.94	579.01	579.11	579.25	579.08	579.09	578.75	578.99	578.93
21	578.79	578.37	578.49	578.64	579.20	579.10	579.26	579.06	579.08	578.64	578.75	578.96
22	579.00	578.30	578.32	578.68	579.28	579.08	579.32	578.85	579.08	578.81	578.92	579.08
23	578.41	578.67	578.37	578.61	579.14	579.06	579.30	578.99	578.95	578.71	578.96	579.29
24	578.39	578.59	578.36	578.58	579.02	579.08	579.24	579.14	579.11	578.67	578.57	579.27
25	578.45	578.42	578.37	578.73	579.01	579.11	579.14	579.01	579.32	578.68	578.41	579.17
26	578.40	578.24	578.50	578.89	579.10	579.22	579.22	578.92	579.13	578.80	578.83	578.97
27	578.30	578.35	578.41	578.81	579.16	579.20	579.28	579.09	579.07	578.85	578.77	579.27
28	578.25	578.36	578.25	578.89	579.11	579.15	579.23	578.97	579.12	578.87	579.00	578.99
29	578.18		578.39*	578.96	579.10	579.20	579.17	579.02	579.11	578.64	578.94	578.87
30	578.51		/	578.95	579.09	579.04	579.25	579.02	578.99	578.53	578.93	578.76
31	578.72		/		579.07		579.14	579.16		578.82		578.77
MEAN	578.51	578.39	578.37	578.71	579.02	579.09	579.16	579.13	579.06	578.85	578.79	579.00
MAX.	579.68	579.29	579.41	579.22	579.45	579.64	579.63	579.65	579.70	579.50	579.49	579.73
	0400/04	2400/23	0700/20	2300/19	1400/22	0300/07	0500/07	1200/05	1200/01	0600/10	0200/02	1300/05
MIN.	577.73	577.74	577.48	578.28	578.38	578.53	578.63	578.67	578.66	578.25	578.20	578.45
	2300/10	2300/06	1100/13	2100/10	0700/07	2000/06	0200/07	0700/22	0600/03	0300/20	0600/25	2200/13

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

/ Indicates No Data.

ANNUAL MEAN: 578.84

ANNUAL SUMMARY OF LEVELS, 1982
Station 7068: Kewaunee, Wisconsin on Lake Michigan

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	579.10	Jul	578.34	Mar
Daily mean elevation:	579.35	10 Oct	577.90	11 Jan
Instant/hourly Elevation:	579.78	2000/5 Dec	577.55	0400/11 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
578.96	4 Jan
578.54	17 Feb
578.62	20 Mar
578.88	16 Apr
579.11	21 May
579.11	27 Jun
579.18	24 Jul
579.28	6 Aug
579.20	15 Sep
579.35	10 Oct
579.03	20 Nov
579.22	28 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
577.90	11 Jan
578.16	8 Feb
578.02	14 Mar
578.19	1 Apr
578.81	20 May
578.90	11 Jun
578.88	12 Jul
578.89	22 Aug
578.69	3 Sep
578.50	30 Oct
578.39	6 Nov
578.61	11 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
579.20								7		1		3	579.20	11
579.00					11	18	21	13	10	2	1	8	579.00	95
578.80	3			1	18	10	3	11	19	13	12	15	578.80	200
578.60	6		1	5					1	14	12	5	578.60	244
578.40	9	8	5	8						1	4		578.40	279
578.20	7	16	20	1							1		578.20	324
578.00	4	4	5	1									578.00	338
577.80	2												577.80	340

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

Station 7068: Kewaunee, Wisconsin on Lake Michigan

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	578.45	578.46	578.26	578.19	/	578.96	/	579.06	579.09	578.87	578.87	578.97
2	578.78	578.44	578.13	578.51	/	578.91	/	579.25	578.91	579.09	578.97	578.98
3	578.76	578.37	578.34	578.80	578.84*	579.02	/	579.22	578.69	578.91	578.78	579.04
4	578.96	578.37	578.36	578.33	578.97	579.03	/	579.24	578.89	578.87	578.63	578.79
5	578.78	578.43	578.22	578.44	579.02	578.97	/	579.21	578.90	578.94	578.62	579.22
6	578.42	578.36	578.20	578.63	578.94	578.95	/	579.28	579.10	579.00	578.39	579.05
7	578.22	578.17	578.20	578.48	578.82	579.09	/	579.26	579.10	578.96	578.59	578.70
8	578.24	578.16	578.28	578.48	578.82	579.04	578.96*	579.21	578.96	578.81	578.55	578.87
9	578.14	578.26	578.32	578.55	578.87	579.04	578.95	579.05	578.88	579.14	578.70	579.00
10	578.00	578.22	578.34	578.48	579.03	579.06	579.11	578.99	578.93	579.35	579.00	578.72
11	577.90	578.17	578.26	578.56	579.02	578.90	579.11	579.07	578.94	579.00	578.88	578.61
12	578.44	578.27	578.29*	578.63	578.84	578.99	578.88	579.06	578.92	578.80	578.79	578.82
13	578.62	578.39	578.20	578.63	579.07	578.95	579.07	579.07	578.94	578.83	578.64	578.95
14	578.66	578.48	578.02	578.59	579.04	578.91	579.13	579.07	578.97	578.75	578.84	578.89
15	578.55	578.42	578.32	578.77	579.02	579.03	579.11	579.08	579.20	578.72	578.67	578.96
16	578.11	578.40	578.55	578.88*	578.96	578.96	579.16	579.02	578.96	578.74	578.52	579.00
17	578.18	578.54	578.54	/	578.99	579.02	579.11	578.97	578.98	578.85	578.76	579.18
18	578.45	578.49	578.37	/	579.04	579.05	579.15	579.02	578.84	578.78	578.87	579.16
19	578.57	578.32	578.39	/	578.86	579.03	579.03	578.94	578.85	578.79	578.92	578.98
20	578.49	578.33	578.62	/	578.81*	579.04	579.15	578.94	578.87	578.85	579.03	578.82
21	578.71	578.30	578.50	/	579.11*	579.04	579.12	579.02	579.01	578.67	578.68	578.94
22	578.91	578.32	578.32	/	579.10	579.02	579.14	578.89	579.01	578.77	578.82	579.07
23	578.88	578.27	578.40	/	579.02	579.01	579.16	578.94	578.92	578.69	578.87	579.21
24	578.35	578.40	578.37	/	578.95	579.04	579.18	578.97	578.94	578.65	578.64	579.17
25	578.34	578.32	578.33	/	578.96	578.97	579.11	579.03	579.13	578.62	578.49	579.20
26	578.40	578.18	578.30	/	578.97	579.09	579.12	578.98	579.03	578.75	578.74	578.91
27	578.56	578.24	578.34	/	579.04	579.11	579.14	579.01	578.97	578.81	578.74	579.13
28	578.25	578.41	578.32	/	579.00	579.09*	579.10	578.92	579.01	578.89	578.91	579.22
29	578.18		578.37	/	578.98	/	579.12	579.02	579.05	578.72	578.94	578.78
30	578.34		578.59	/	578.99	/	579.16	578.91	578.92	578.50	578.86	578.81
31	578.42		578.43		578.96		579.10	578.98		578.69		578.84
MEAN	578.45	578.34	578.34	578.56	578.97	579.01	579.10	579.05	578.96	578.83	578.76	578.97
MAX.	579.33	578.78	579.08	579.54	579.39	579.60	579.60	579.55	579.51	579.55	579.39	579.78
	0900/04	1700/02	1000/16	0800/03	1400/16	1100/07	1100/18	1700/03	0700/01	2100/09	2100/01	2000/05
MIN.	577.55	577.85	577.86	578.02	578.50	578.61	578.68	578.60	578.61	578.38	578.21	578.38
	0400/11	0900/22	0800/14	2300/01	1500/29	1900/06	0600/18	2200/19	2200/03	0600/30	0700/01	0100/11

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

ANNUAL MEAN: 578.78

ANNUAL SUMMARY OF LEVELS, 1982

Station 7072: Sturgeon Bay Canal, Wisconsin on Lake Michigan

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	579.07	Jul	578.30	Feb
Daily mean elevation:	579.37	10 Oct	577.90	11 Jan
Instant/hourly Elevation:	579.72	0800/28 Dec	577.69	0400/11 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
578.94	23 Jan
578.45	14 Feb
578.64	30 Mar
578.92	20 Apr
579.04	22 May
579.07	27 Jun
579.17	30 Jul
579.27	3 Aug
579.25	15 Sep
579.37	10 Oct
579.01	20 Nov
579.21	23 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
577.90	11 Jan
578.14	8 Feb
578.00	14 Mar
578.16	1 Apr
578.76	2 May
578.83	6 Jun
578.85	12 Jul
578.87	30 Aug
578.68	3 Sep
578.51	15 Oct
578.38	6 Nov
578.56	11 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
579.20								7	1	1		2	579.20	11
579.00					6	9	25	10	4	2	1	8	579.00	76
578.80	3			3	22	21	6	14	24	9	9	15	578.80	202
578.60	6		1	15	3				1	16	12	5	578.60	261
578.40	5	4	5	9						3	7	1	578.40	295
578.20	9	18	20	2							1		578.20	345
578.00	7	6	4	1									578.00	363
577.80	1		1										577.80	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

Station 7072: Sturgeon Bay Canal, Wisconsin on Lake Michigan

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	578.37	578.43	578.23	578.16	578.77	578.95	579.00	579.08	579.11	578.82	578.85	578.96
2	578.76	578.34	578.05	578.57	578.76	578.90	578.96	579.27	578.90	579.00	578.95	579.03
3	578.68	578.31	578.29	578.75	578.82	579.00	579.07	579.27	578.68	578.88	578.77	578.96
4	578.83	578.36	578.31	578.24	578.91	578.97	579.09	579.24	578.82	578.87	578.63	578.92
5	578.75	578.38	578.21	578.36	578.93	578.93	579.04	579.23	578.90	578.93	578.64	579.21
6	578.43	578.35	578.20	578.61	578.93	578.83	579.05	579.26	579.01	578.99	578.38	578.92
7	578.17	578.17	578.16	578.45	578.79	579.01	578.92	579.21	579.07	578.93	578.57	578.69
8	578.18	578.14	578.23	578.42	578.81	578.98	578.89	579.22	578.95	578.79	578.54	578.86
9	578.10	578.19	578.31	578.54	578.99	579.03	578.95	579.01	578.86	579.12	578.70	578.90
10	578.01	578.20	578.29	578.48	579.00	578.99	579.12	578.99	578.93	579.37	578.99	578.64
11	577.90	578.19	578.19	578.51	579.02	578.87	579.15	579.05	578.95	579.03	578.78	578.56
12	578.40	578.28	578.34	578.58	578.84	578.98	578.85	579.06	578.91	578.77	578.77	578.81
13	578.60	578.38	578.24	578.62	579.03	578.94	579.07	579.05	578.96	578.84	578.55	578.90
14	578.61	578.45	578.00	578.56	579.02	578.94	579.12	579.09	578.94	578.67	578.78	578.82
15	578.49	578.42	578.24	578.68	579.00	579.00	579.10	579.07	579.25	578.51	578.59	578.97
16	578.06	578.33	578.57	578.76	578.89	578.95	579.12	579.02	578.94	578.66	578.48	578.99
17	578.13	578.44*	578.53	578.64	578.97	578.98	579.11	578.99	578.93	578.80	578.75	579.10
18	578.38	578.39*	578.36	578.46	578.96	579.01	579.05	579.04	578.85	578.72	578.85	579.14
19	578.53	578.33	578.31	578.79	578.87	578.97	579.03	578.93	578.86	578.79	578.91	578.99
20	578.45	578.25	578.60	578.92	578.81	578.98	579.12	578.91	578.86	578.77	579.01	578.82
21	578.66	578.22	578.46	578.61	579.01	579.04	579.14	578.99	579.00	578.56	578.67	578.90
22	578.87	578.31	578.27	578.61	579.04	578.98	579.15	578.89	578.94	578.75	578.80	579.04
23	578.94	578.22	578.38	578.64	578.99	578.98	579.15	578.91	578.87	578.67	578.89	579.21
24	578.29	578.37	578.35	578.62	578.91	579.02	579.17	578.95	578.92	578.62	578.54	579.13
25	578.29	578.28	578.27	578.73	578.92	578.94	579.07	578.99	579.11	578.62	578.44	579.17
26	578.38	578.18	578.24	578.75	578.94	579.06	579.11	579.00	579.00	578.76	578.71	578.88
27	578.61	578.23	578.27	578.70	579.02	579.07	579.08	579.00	578.94	578.78	578.62	579.07
28	578.24	578.39	578.30	578.77	578.99	579.04	579.10	578.88	578.93	578.89	578.82	579.18
29	578.13		578.31	578.84	578.94	579.03	579.11	578.94	579.00	578.63	578.94	578.74
30	578.23		578.64	578.84	578.99	578.95	579.17	578.87	578.90	578.53	578.83	578.77
31	578.33		578.45		578.97		579.10	579.02		578.68		578.78
MEAN	578.41	578.30	578.31	578.61	578.93	578.98	579.07	579.05	578.94	578.80	578.72	578.94
MAX.	579.44	578.68	578.91	579.53	579.46	579.27	579.51	579.69	579.40	579.53	579.39	579.72
	0900/23	0800/24	2100/30	1100/03	2200/15	2000/09	1000/17	0200/03	0600/15	1000/10	0600/02	0800/28
MIN.	577.69	577.96	577.80	578.03	578.53	578.47	578.62	578.71	578.60	578.31	578.24	578.40
	0400/11	1400/07	0600/14	0800/04	1600/10	0700/06	2100/07	0200/30	0800/03	2000/15	2300/24	2400/11

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

/ Indicates No Data.

ANNUAL MEAN: 578.76

ANNUAL SUMMARY OF LEVELS, 1982

Station 7079: Green Bay, Wisconsin on Lake Michigan

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	579.03	Jul	578.26	Mar
Daily mean elevation:	579.64	14 Sep	577.82	10 Jan
Instant/hourly Elevation:	580.50	0500/4 Jan	576.23	2000/3 Apr

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
579.27	4 Jan
578.44	14 Feb
578.64	30 Mar
579.33	19 Apr
579.48	21 May
579.23	15 Jun
579.37	22 Jul
579.35	2 Aug
579.64	14 Sep
579.34	9 Oct
579.15	2 Nov
579.60	5 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
577.82	10 Jan
578.05	23 Feb
577.96	2 Mar
578.16	4 Apr
578.69	7 May
578.75	11 Jun
578.70	7 Jul
578.65	29 Aug
578.53	3 Sep
578.09	29 Oct
577.91	24 Nov
578.31	11 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
579.60									1				579.60	1
579.40					2				1			1	579.40	5
579.20	1			1		2	2	4	2	2		2	579.20	21
579.00	1			1	8	11	17	9	5	1	2	5	579.00	81
578.80	1			1	16	16	10	13	12	6	10	10	578.80	176
578.60	4		1	9	5	1	2	5	8	13	5	4	578.60	233
578.40	5	1	4	11					1	5	6	6	578.40	272
578.20	8	17	14	5						3	4	3	578.20	326
578.00	7	10	10	2						1	2		578.00	358
577.80	4		2								1		577.80	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

Station 7079: Green Bay, Wisconsin on Lake Michigan

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	578.31	578.37	578.17	578.16	578.72	578.84	578.90	579.13	579.08	579.03	579.12	578.95
2	578.78	578.35	577.96	578.58	578.70	579.06	578.93	579.35	578.80	578.97	579.15	578.96
3	578.80	578.16	578.20	578.74	578.83	579.12	579.10	579.18	578.53	578.81	578.44	578.85
4	579.27	578.31	578.22	578.16	578.83	579.00	579.12	579.32	578.64	578.83	578.29	578.83
5	578.67	578.29	578.12	578.45	578.88	578.97	578.93	579.28	579.04	578.96	578.35	579.60
6	578.28	578.36	578.14	578.53	578.76	578.91	578.90	579.24	579.36	578.97	578.11	578.55
7	578.08	578.25	578.09	578.40	578.69	578.94	578.70	579.16	579.05	578.68	578.43	578.60
8	578.12	578.07	578.23	578.37	578.80	578.98	578.81	579.05	578.82	578.88	578.57	578.86
9	577.92	578.20	578.22	578.43	578.84	579.06	578.89	578.97	578.70	579.34	578.96	578.52
10	577.82	578.18	578.38	578.37	578.98	578.82	579.14	578.94	578.82	579.21	578.95	578.34
11	577.84	578.20	578.14	578.47	578.91	578.75	578.88	578.96	578.83	578.78	578.90	578.31
12	578.35	578.24	578.35	578.56	578.99	578.97	578.80	578.95	578.82	578.56	578.65	578.71
13	578.55	578.31	578.17	578.63	579.09	578.87	579.03	578.95	578.96	578.77	578.44	578.47
14	578.57	578.44	577.97	578.50	579.07	578.83	579.15	579.04	579.64	578.34	578.83	578.77
15	578.45	578.37	578.24	578.66	579.01	579.23	579.04	579.02	579.49	578.61	578.02	579.11
16	577.93	578.25	578.60	578.75	578.92	578.94	579.05	578.99	578.82	578.67	578.22	579.10
17	578.10	578.40	578.43	578.56	579.03	579.05	578.98	578.91	578.67	578.62	578.71	578.87
18	578.38	578.40	578.26	578.35	578.88	579.14	578.99	578.93	578.72	578.57	578.80	579.00
19	578.51	578.27	578.25	579.33	578.81	578.97	579.08	578.77	578.67	578.77	578.81	578.92
20	578.34	578.26	578.57	579.01	579.17	579.01	579.16	579.02	578.99	578.61	578.80	578.73
21	578.59	578.18	578.42	578.47	579.48	579.00	579.10	578.88	579.10	578.49	578.44	578.84
22	578.84	578.35	578.19	578.48	579.44	579.04	579.37	578.66	578.89	578.65	578.83	579.01
23	579.03	578.05	578.36	578.37	579.19	578.91	579.23	578.85	578.69	578.52	578.98	579.22
24	578.09	578.35	578.28	578.42	578.92	578.89	579.08	579.06	579.19	578.34	577.91	579.28
25	578.18	578.17	578.27	578.65	578.88	579.19	579.05	578.79	579.32	578.49	578.22	579.15
26	578.33	578.10	578.17	578.93	578.95	579.12	579.15	578.96	578.92	578.71	578.81	578.75
27	578.64	578.18	578.17	578.69	579.14	579.06	579.13	579.08	578.83	578.70	578.54	579.11
28	578.22	578.37	578.23	578.75	579.06	579.15	579.13	578.79	578.80	578.73	578.86	578.90
29	578.14		578.32	578.80	578.94	579.22	578.92	578.65	578.93	578.09	578.88	578.60
30	578.15		578.64	578.80	578.99	578.93	579.11	578.87	578.91	578.34	578.80	578.52
31	578.21		578.28		578.97		579.02	579.00		578.79		578.38
MEAN	578.37	578.27	578.26	578.58	578.96	579.00	579.03	578.99	578.93	578.70	578.63	578.83
MAX.	580.50	579.21	579.43	580.36	579.99	580.01	580.10	580.07	580.49	579.79	580.04	580.21
	0500/04	2300/07	1100/13	2300/19	0300/21	2200/28	2200/22	0400/03	0700/06	2200/09	2100/12	1700/28
MIN.	576.94	576.97	576.69	576.23	577.88	578.30	578.04	577.80	577.58	576.84	576.54	576.76
	2400/10	0400/08	1800/13	2000/03	1800/06	1100/01	0500/07	0900/29	0200/03	1100/29	2100/24	2300/28

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

/ Indicates No Data.

ANNUAL MEAN: 578.71

ANNUAL SUMMARY OF LEVELS, 1982

Station 7096: Port Inland, Michigan on Lake Michigan

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	579.03	Jul	578.24	Mar
Daily mean elevation:	579.35	18 Dec	577.91	2 Mar
Instant/hourly Elevation:	580.30	1100/23 Jan	577.53	0800/4 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
579.20	23 Jan
578.44	6 Feb
578.66	31 Mar
578.77	3 Apr
578.96	11 May
579.09	7 Jun
579.29	11 Jul
579.34	3 Aug
579.07	29 Sep
579.35	10 Oct
579.18	20 Nov
579.35	18 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
577.94	11 Jan
577.97	23 Feb
577.91	2 Mar
578.04	4 Apr
578.62	20 May
578.73	2 Jun
578.79	12 Jul
578.70	28 Aug
578.56	3 Sep
578.34	15 Oct
578.43	6 Nov
578.57	11 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
579.20							1	1		1		3	579.20	6
579.00	1					2	14	8	2	1	2	6	579.00	42
578.80					18	26	15	19	19	10	5	12	578.80	166
578.60	3		3	12	13	2	1	3	8	16	17	8	578.60	252
578.40	6	2	1	10					1	2	6	2	578.40	282
578.20	12	17	14	5						1			578.20	331
578.00	8	8	12	3									578.00	362
577.80	1	1	1										577.80	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

Station 7096: Port Inland, Michigan on Lake Michigan

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	578.31	578.37	578.22	578.09	578.69	578.85	578.93	579.01	579.00	578.64	578.72	578.87
2	578.62	578.36	577.91	578.36	578.67	578.73	578.94	579.16	578.87	578.99	578.79	578.95
3	578.47*	578.10	578.07	578.77	578.71	578.83	578.91	579.34	578.56	578.83	578.77	579.07
4	578.23	578.28	578.07	578.04	578.82	578.85	578.99	579.19	578.82	578.79	578.78	578.77
5	578.70	578.31	578.17	578.11	578.87	578.84	579.09	579.11	578.87	578.85	578.70	579.01
6	578.36	578.44	578.14	578.31	578.88	578.84*	579.09	579.18	578.83	578.94	578.43	578.97
7	578.14	578.41	578.04	578.34	578.73	579.09	579.00	579.13	578.90	579.06	578.75	578.57
8	578.24	578.22	578.10	578.35	578.74	578.89	578.97	579.20	578.94	578.69	578.48	578.74
9	578.09	578.26	578.22	578.53	578.67	578.90	578.94	578.91	578.86	579.00	578.52	579.01
10	578.27	578.32	578.27	578.52	578.87	578.99	579.06	578.80	578.91	579.35	579.02	578.80
11	577.94	578.26	578.12	578.47	578.96	578.88	579.29	578.89	579.06	578.99	578.73	578.57
12	578.37	578.20	578.24	578.52	578.69	578.87	578.79	578.95	578.94	578.78	578.89	578.76
13	578.43	578.25	578.61	578.48	578.90	578.84	579.05	578.98	578.96	578.79	578.51	579.21
14	578.41	578.29	578.02	578.45	578.87	578.87	579.07	578.99	578.71	578.77	578.74	578.91
15	578.50	578.33	578.08	578.65	578.80	578.90	579.04	579.00	579.00	578.34	578.86	578.86
16	578.17	578.08	578.34	578.70	578.76	578.79*	579.18	578.97	578.73	578.45	578.63	578.72
17	578.17	578.25	578.37	578.55	578.87	578.88	579.20	578.84	578.90	578.79	578.80	579.18
18	578.34	578.31	578.26	578.34	578.95	578.87	579.11	578.96	578.66	578.88	578.86	579.35
19	578.54	578.29	578.04	578.58	578.80	578.90	578.99	578.98	578.88	578.77	578.88	578.96
20	578.20	578.25	578.29	578.74	578.62	578.91	579.06	578.84	578.68	578.99	579.18	578.70
21	578.32	578.15	578.36	578.47	578.75	578.95	579.04	578.92	578.64	578.50	578.70	578.76
22	578.42	578.31	578.21	578.62	578.81	578.93*	578.99	578.97	578.76	578.73	578.78	578.99
23	579.20*	577.97	578.40	578.76	578.79	578.87	578.99	578.93	578.81	578.67	578.68	579.13
24	578.26*	578.06	578.48	578.72	578.82	579.00	579.09	578.89	578.82	578.78	578.72	578.95
25	578.23	578.20	578.22	578.73	578.84	578.84	578.98	579.01	578.83	578.62	578.47	579.08
26	578.35	578.18	578.02	578.61	578.85	578.96	578.98	578.88	578.80	578.74	578.60	578.81
27	578.79	578.09	578.10	578.56	578.90	579.02	578.99	578.80	578.74	578.75	578.67	579.00
28	578.40	578.26	578.36	578.66	578.89	578.94	578.93	578.70	578.85	578.89	578.79	579.28
29	578.20		578.31	578.69	578.88	578.90	578.99	578.99	579.07	579.00	578.86	578.75
30	578.13		578.62*	578.72	578.89	578.84	579.16	578.81	578.90	578.67	578.77	578.81
31	578.01		578.66		578.82		579.02	578.92		578.66		578.96
MEAN	578.35	578.24	578.24	578.51	578.81	578.89	579.03	578.98	578.84	578.80	578.74	578.92
MAX.	580.30	578.88	579.15	579.42	579.21	579.48	579.73	579.69	579.30	579.91	580.01	579.92
	1100/23	2400/06	0800/13	1200/03	0600/11	1500/07	1000/11	0400/03	1500/01	0800/20	0900/12	1500/28
MIN.	577.53	577.66	577.79	577.85	578.44	578.55	578.62	578.50	578.29	578.09	578.01	578.15
	0800/04	1000/23	0100/27	1100/04	1100/20	2100/14	1600/12	1100/28	1100/14	2400/15	2300/12	2300/10

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

/ Indicates No Data.

ANNUAL MEAN: 578.70

ANNUAL SUMMARY OF LEVELS, 1982

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

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	601.38	Nov	599.60	Mar
Daily mean elevation:	601.80	12 Nov	599.21	2 Apr
Instant/hourly Elevation:	602.97	1500/12 Nov	598.71	1900/2 Apr

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
600.98	10 Jan
600.07	7 Feb
599.97	13 Mar
600.16	4 Apr
600.61	20 May
600.65	25 Jun
601.05	28 Jul
601.28	9 Aug
601.45	3 Sep
601.72	15 Oct
601.80	12 Nov
601.62	6 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
599.49	22 Jan
599.40	28 Feb
599.21	30 Mar
599.21	2 Apr
599.76	4 May
600.22	7 Jun
600.32	5 Jul
600.88	3 Aug
600.82	29 Sep
600.83	2 Oct
601.04	19 Nov
600.68	17 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
601.60										2	4	1	601.60	7
601.40									1	3	7	4	601.40	22
601.20								4	2	11	14	9	601.20	62
601.00							3	18	16	11	5	13	601.00	128
600.80	1						15	9	11	4		2	600.80	170
600.60					1	4	5					2	600.60	182
600.40	2				10	22	6						600.40	222
600.20	7				7	4	2						600.20	242
600.00	4	1		4	7								600.00	258
599.80	13	9	3	15	5								599.80	303
599.60	1	13	15	8	1								599.60	341
599.40	3	4	11	2									599.40	361
599.20		1	2	1									599.20	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	600.36	599.81	599.90	599.90	599.99	600.52	600.52	601.02	600.96	601.20	601.32	601.19
2	599.50	599.82	599.78	599.21	599.99	600.56	600.48	600.89	601.22	600.83	601.40	601.03
3	600.13	599.98	599.58	599.91	599.92	600.43	600.50	600.88	601.45	601.15	601.28	601.30
4	600.29	599.80	599.62	600.16	599.76	600.40	600.49	601.03	601.06	600.97	601.35	601.29
5	599.82	599.87	599.67	599.82	599.91	600.42	600.32	601.00	601.18	601.06	601.70	601.32
6	600.43	599.81	599.60	599.84	600.09	600.35	600.40	600.99	601.14	600.92	601.56	601.62
7	600.26	600.07	599.69	599.71	600.12	600.22	600.57	600.97	600.94	601.11	601.37	601.55
8	600.33	599.90	599.48	599.66	600.14	600.43	600.57	601.02	600.89	601.26	601.62	601.54
9	600.25	599.90	599.55	599.67	600.13	600.35	600.62	601.28	600.95	601.05	601.39	601.14
10	600.98	599.79	599.42	599.65	599.88	600.49	600.62	601.27	600.91	600.94	601.09	601.48
11	600.37	599.84	599.70	599.71	600.19	600.48	601.03	601.17	600.90	601.19	601.40	601.50
12	600.00	599.78	599.24	599.46	600.29	600.51	600.93	601.11	600.91	601.28	601.80	601.13
13	599.93	599.74	599.97	599.93	600.14	600.52	600.81	601.05	601.06	601.38	601.54	601.11
14	599.86	599.49	599.81	599.61	600.18	600.42	600.87	601.04	601.16	601.45	601.52	601.08
15	599.94	599.76	599.47	599.50	600.29	600.62	600.75	601.00	601.09	601.72	601.34	601.25
16	600.43	599.64	599.51	599.67	600.30	600.55	600.75	601.08	601.13	601.53	601.38	601.16
17	599.98	599.49	599.61	600.15	600.26	600.57	600.80	601.10	601.07	601.18	601.23	600.68
18	599.91	599.54	599.67	599.92	600.27	600.57	600.94	600.99	601.18	601.17	601.11	600.80
19	599.90	599.62	599.66	599.91	600.45	600.54	600.96	601.06	601.07	601.34	601.04	601.17
20	599.90	599.66	599.50	600.04	600.61	600.53	600.90	601.14	601.36	601.70	601.11	601.32
21	599.77	599.75	599.68	599.96	600.44	600.55	600.89	601.05	601.19	601.50	601.50	601.12
22	599.49	599.59	599.68	599.87	600.44	600.60	601.04	601.13	601.03	601.39	601.30	600.97
23	599.85	599.84	599.43	599.85	600.47	600.51	600.98	601.13	600.96	601.36	601.62	600.84
24	600.16	599.70	599.62	599.77	600.44	600.44	600.90	601.06	601.15	601.25	601.49	601.10
25	600.03	599.66	599.73	599.88	600.40	600.65	600.98	601.10	601.12	601.36	601.49	601.27
26	599.83	599.69	599.77	600.03	600.40	600.49	600.98	601.15	600.99	601.28	601.56	601.15
27	599.51	599.67	599.61	599.98	600.42	600.46	600.98	601.22	601.05	601.16	601.31	601.04
28	600.37	599.40	599.47	599.88	600.46	600.54	601.05	601.21	600.83	601.13	601.21	601.38
29	599.83		599.41	599.88	600.41	600.62	600.90	600.91	600.82	601.18	601.29	601.39
30	600.08		599.21	599.91	600.48	600.62	600.97	601.14	601.09	601.38	601.12	601.25
31	599.82		599.71		600.47		600.91	600.96		601.33		601.19
MEAN	600.04	599.74	599.60	599.81	600.25	600.50	600.79	601.07	601.06	601.25	601.38	601.21
MAX.	601.62	600.40	600.64	600.74	600.80	600.88	601.50	601.52	601.66	602.32	602.97	602.17
	2100/10	2300/07	1900/13	2100/03	0600/20	1700/15	2100/11	0600/28	2300/02	2000/20	1500/12	1800/28
MIN.	598.93	599.05	598.71	598.71	599.27	599.45	600.02	600.42	600.34	600.51	600.64	600.44
	2100/02	1900/14	2000/12	1900/02	1500/10	0800/07	1100/05	1800/06	0100/29	1500/02	0200/12	1800/17

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

/ Indicates No Data.

ANNUAL MEAN: 600.56

ANNUAL SUMMARY OF LEVELS, 1982

Station 9018: Marquette Coast Guard, Marquette, Michigan on Lake Superior

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	601.46	Nov	599.68	Mar
Daily mean elevation:	601.78	20 Oct	599.56	28 Mar
Instant/hourly Elevation:	602.22	2000/12 Nov	599.31	0900/12 Mar

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
600.37	10 Jan
599.95	3 Feb
599.85	26 Mar
600.08	4 Apr
600.60	20 May
600.64	15 Jun
601.12	30 Jul
601.21	10 Aug
601.38	20 Sep
601.78	20 Oct
601.76	12 Nov
601.42	5 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
599.73	27 Jan
599.63	28 Feb
599.56	28 Mar
599.60	2 Apr
600.04	4 May
600.50	7 Jun
600.49	5 Jul
601.06	18 Aug
601.04	29 Sep
601.11	2 Oct
601.35	30 Nov
601.04	17 Dec

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

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
601.60										1	1		601.60	2
601.40										9	18	2	601.40	31
601.20								1	7	16	11	20	601.20	86
601.00							13	30	23	5		9	601.00	166
600.80							8						600.80	174
600.60						8	5						600.60	187
600.40					18	22	5						600.40	232
600.20	5				7								600.20	244
600.00	14			8	6								600.00	272
599.80	11	10	2	12									599.80	307
599.60	1	18	25	9									599.60	360
599.40			4	1									599.40	365
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INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

Station 9018: Marquette Coast Guard, Marquette, Michigan on Lake Superior

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	600.23	599.85	599.76	599.77	600.04	600.56	600.58	601.08	601.12	601.16	601.47	601.34
2	600.02	599.86	599.81	599.60	600.04	600.55	600.56	601.08	601.15	601.11	601.48	601.33
3	600.09	599.95	599.69	600.03	600.04	600.52	600.61	601.06	601.22	601.16	601.45	601.37
4	600.32	599.88	599.68	600.08	600.04	600.52	600.58	601.14	601.14	601.14	601.51	601.33
5	600.07	599.85	599.68	599.91	600.16	600.53	600.49	601.14	601.17	601.16	601.60	601.42
6	600.10	599.76	599.68	599.86	600.20	600.50	600.60	601.08	601.20	601.23	601.48	601.40
7	600.11	599.84	599.70	599.77	600.22	600.50	600.65	601.13	601.10	601.31	601.43	601.40
8	600.19	599.83	599.66	599.75	600.23	600.51	600.65	601.13	601.04	601.28	601.52	601.40
9	600.28	599.83	599.64	599.74	600.23	600.53	600.69	601.20	601.04	601.32	601.48	601.26
10	600.37	599.77	599.61	599.76	600.23	600.57	600.77	601.21	601.09	601.34	601.40	601.31
11	600.27	599.79	599.68	599.74	600.37	600.58	601.00	601.18	601.13	601.36	601.40	601.36
12	600.08	599.80	599.57	599.69	600.37	600.59	600.94	601.14	601.10	601.38	601.76	601.31
13	600.05	599.79	599.67	599.83	600.38	600.58	600.94	601.12	601.14	601.40	601.57	601.19
14	599.99	599.70	599.75	599.76	600.41	600.58	600.95	601.11	601.30	601.40	601.52	601.27
15	600.00	599.78	599.68	599.72	600.45	600.64	600.96	601.10	601.26	601.55	601.37	601.29
16	600.09	599.78	599.70	599.87	600.49	600.61	600.96	601.09	601.16	601.50	601.38	601.29
17	599.98	599.71	599.70	600.02	600.46	600.62	600.96	601.09	601.15	601.33	601.39	601.04
18	599.99	599.70	599.71	599.93	600.47	600.62	601.06	601.06	601.19	601.33	601.35	601.15
19	599.96	599.71	599.74	599.96	600.51	600.60	601.03	601.10	601.20	601.45	601.37	601.25
20	600.03	599.77	599.68	600.03	600.60	600.61	601.02	601.17	601.38	601.78	601.42	601.34
21	599.95	599.82	599.67	599.98	600.56	600.59	601.04	601.13	601.22	601.54	601.44	601.20
22	599.84	599.75	599.67	599.91	600.53	600.61	601.04	601.16	601.11	601.41	601.48	601.13
23	600.09	599.83	599.61	599.89	600.51	600.58	601.07	601.19	601.09	601.40	601.58	601.16
24	600.16	599.78	599.65	599.91	600.52	600.58	601.00	601.18	601.30	601.38	601.49	601.22
25	600.04	599.70	599.75	599.97	600.52	600.63	601.04	601.18	601.22	601.42	601.48	601.28
26	599.89	599.69	599.85	600.03	600.53	600.60	601.04	601.17	601.12	601.43	601.50	601.22
27	599.73	599.73	599.70	600.01	600.54	600.58	601.05	601.19	601.13	601.38	601.36	601.16
28	599.98	599.63	599.56	599.99	600.53	600.58	601.05	601.18	601.07	601.38	601.36	601.41
29	599.88		599.57	600.01	600.55	600.62	601.04	601.09	601.04	601.36	601.36	601.34
30	600.01		599.58	600.03	600.52	600.60	601.12	601.13	601.15	601.42	601.35	601.18
31	599.97		599.65		600.57		601.04	601.11		601.41		601.15
MEAN	600.06	599.78	599.68	599.88	600.38	600.58	600.89	601.13	601.16	601.36	601.46	601.27
MAX.	600.69	600.13	600.06	600.40	600.78	600.79	601.42	601.56	601.59	602.05	602.22	601.84
	2000/10	2300/22	2300/30	2400/03	0300/29	0800/15	0300/18	2200/02	0800/14	1500/20	2000/12	2400/05
MIN.	599.43	599.44	599.31	599.43	599.92	600.22	600.28	600.33	600.62	600.96	601.12	600.82
	0600/27	1000/22	0900/12	2200/02	0400/04	0100/07	0900/05	0200/03	2000/29	2200/02	1100/11	1200/17

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

/ Indicates No Data.

ANNUAL MEAN: 600.64

ANNUAL SUMMARY OF LEVELS, 1982
Station 9044: Ontonagon, Michigan on Lake Superior

INTERNATIONAL GREAT LAKES DATUM (1955)

HIGHEST			LOWEST		
Monthly mean elevation:	601.52	Nov	Monthly mean elevation:	599.68	Mar
Daily mean elevation:	601.75	4 Nov	Daily mean elevation:	599.57	31 Mar
Instant/hourly Elevation:	601.90	0500/12 Nov	Instant/hourly Elevation:	599.36	1400/31 Mar

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
600.22	2 Jan
599.80	28 Feb
599.82	15 Mar
600.25	25 Apr
600.69	17 May
600.73	14 Jun
601.15	19 Jul
601.26	26 Aug
601.30	12 Sep
601.62	28 Oct
601.75	4 Nov
601.48	2 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
599.97	6 Jan
599.67	26 Feb
599.57	31 Mar
599.67	1 Apr
600.10	1 May
600.61	30 Jun
600.65	1 Jul
601.12	1 Aug
601.12	18 Sep
601.19	1 Oct
601.41	28 Nov
601.17	25 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
601.60										2	2		601.60	4
601.40										23	28	2	601.40	57
601.20								9	12	5		25	601.20	108
601.00							20	22	18	1		4	601.00	173
600.80							3						600.80	176
600.60					9	26	8						600.60	219
600.40					9								600.40	228
600.20	1			1	7								600.20	237
600.00	5			10	2								600.00	254
599.80	1		2	12									599.80	269
599.60		10	25	7									599.60	311
599.40			4										599.40	315

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

Station 9044: Ontonagon, Michigan on Lake Superior

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	600.08*	/	599.66	599.67	600.10	/	600.65	601.12	601.20	601.19	601.52	601.39
2	600.22	/	599.66	599.99	600.15	/	600.66	601.16	601.17	601.29	601.53	601.48
3	600.11	/	599.71	600.13	600.23	/	600.74	601.16	601.16	601.25	601.60	601.32
4	600.09	/	599.70	599.93	600.26	/	600.70	601.15	601.23	601.30	601.75	601.41
5	600.08	/	599.61	599.84	600.26	600.69*	600.72	601.18	601.19	601.30	601.57*	601.38
6	599.97	/	599.61	599.79	600.24	600.69	600.79	601.21	601.15	601.49	601.52*	601.33
7	600.08*	/	599.64	599.75	600.29	600.65	600.74	601.21	601.17	601.37	601.53	601.33
8	/	/	599.73	599.77	600.33	600.64	600.78	601.18	601.12	601.44	601.49	601.34
9	/	/	599.71	599.76	600.40	600.71	600.85	601.18	601.16	601.53	601.50	601.30
10	/	/	599.70	599.81	600.56	600.62	600.84	601.17	601.27*	601.56	601.54	601.25
11	/	/	599.59	599.80	600.43	600.65	600.85	601.21	601.26	601.48	601.47	601.24
12	/	/	599.75	599.90	600.48	600.69	601.01	601.21	601.30	601.48	601.59	601.32
13	/	/	599.59	599.78	600.56	600.70	601.02	601.20	601.23	601.47	601.56	601.27
14	/	/	599.70	599.91	600.61	600.73	601.06	601.17	601.23	601.44	601.55	601.35
15	/	/	599.82	599.96	600.63	600.67	601.10	601.18	601.16	601.48	601.44	601.22
16	/	/	599.78	599.98	600.67	600.68	601.10	601.14	601.14	601.42	601.46	601.20
17	/	/	599.69	600.00	600.69	600.69	601.06	601.14	601.16	601.47	601.50	601.23
18	/	/	599.67	600.13	600.67	600.66	601.09	601.16*	601.12	601.47	601.51	601.24
19	/	599.79	599.71	600.16	600.59	600.65	601.15	601.17*	601.21	601.45	601.58	601.18
20	/	599.76	599.75	600.00	600.58	600.66	601.14	601.18*	601.14	601.48	601.54	601.21
21	/	599.75	599.60	599.97	600.63	600.65	601.13	601.23	601.16	601.47	601.52	601.23
22	/	599.79	599.62	599.94	600.62	600.63	601.09	601.20	601.20	601.46	601.62	601.27
23	/	599.72	599.66	600.01	600.60	600.68	601.11	601.22	601.23	601.50	601.55	601.27
24	/	599.74	599.61	600.20	600.60	600.66	601.12	601.20	601.21	601.47	601.45	601.26
25	/	599.68	599.71	600.25	600.60	600.63	601.12	601.23	601.14	601.51	601.55	601.17
26	/	599.67	599.67	600.14	600.64	600.66	601.11	601.26	601.16	601.54*	601.42	601.18
27	/	599.75	599.65	600.07	600.65*	600.65	601.11	601.18	601.19	601.61*	601.41	601.22
28	/	599.80	599.61	600.10	/	600.65	601.07	601.18	601.29	601.62*	601.41	601.29
29	/		599.72	600.13	/	600.62	601.13	601.21	601.28	601.54	601.42	601.26
30	/		599.81	600.12	/	600.61*	601.11	601.14	601.23	601.51	601.46	601.24
31	/		599.57		/		601.13	601.19		601.54		601.23
MEAN	600.09	599.74	599.68	599.97	600.48	600.66	600.98	601.18	601.20	601.46	601.52	601.28
MAX.	600.46	600.05	600.06	600.40	601.00	600.98	601.62	601.46	601.67	601.83	601.90	601.69
	0600/04	0200/24	1800/12	2000/03	1700/10	1600/08	1400/25	2300/21	0200/29	2300/28	0500/12	0400/02
MIN.	599.69	599.51	599.36	599.50	600.03	600.36	600.42	600.86	600.93	601.06	600.98	600.83
	0100/06	1000/22	1400/31	1000/01	1700/01	1100/10	0700/07	0800/31	2100/28	0600/01	2100/20	1600/25

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

/ Indicates No Data.

ANNUAL MEAN: 600.69

ANNUAL SUMMARY OF LEVELS, 1982
Station 9064: Duluth, Minnesota on Lake Superior

INTERNATIONAL GREAT LAKES DATUM (1955)

HIGHEST

Monthly mean elevation: 601.62 Oct
Daily mean elevation: 602.09 6 Oct
Instant/hourly Elevation: 602.53 1900/6 Oct

LOWEST

Monthly mean elevation: 599.83 Mar
Daily mean elevation: 599.27 13 Mar
Instant/hourly Elevation: 598.80 1000/10 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
600.81	22 Jan
600.12	14 Feb
600.19	30 Mar
600.52	2 Apr
600.88	16 May
600.91	6 Jun
601.29	15 Jul
601.46	2 Aug
601.71	28 Sep
602.09	6 Oct
601.82	19 Nov
601.79	2 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
599.37	10 Jan
599.69	10 Feb
599.27	13 Mar
599.79	4 Apr
600.24	1 May
600.55	10 Jun
600.72	7 Jul
601.12	8 Aug
601.06	2 Sep
601.37	3 Oct
601.25	12 Nov
601.10	10 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
602.00										2			602.00	2
601.80										3	1		601.80	6
601.60									1	11	11	3	601.60	32
601.40								2	7	14	14	8	601.40	77
601.20							12	24	20	1	4	16	601.20	154
601.00							9	5	2			4	601.00	174
600.80	1				6	7	8						600.80	196
600.60					16	21	2						600.60	235
600.40	1			1	3	2							600.40	242
600.20	3			5	6								600.20	256
600.00	12	4	5	12									600.00	289
599.80	11	18	12	11									599.80	341
599.60	1	6	10	1									599.60	359
599.40	1		3										599.40	363
599.20	1		1										599.20	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

Station 9064: Duluth, Minnesota on Lake Superior

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	600.19	599.89	599.59	599.81	600.24	600.57	600.77	601.35	601.32	601.44	601.65	601.62
2	600.52	599.92	599.82	600.52	600.29	600.71	600.83	601.46	601.06	601.48	601.59	601.79
3	600.10	599.89	599.88	599.82	600.40	600.75	600.92	601.36	601.13	601.37	601.63	601.28
4	600.19	599.86	599.77	599.79	600.53	600.76	600.87	601.32	601.26	601.50	601.70	601.56
5	600.15	599.90	599.63	599.96	600.33	600.80	600.94	601.35	601.35	601.47	601.37	601.43
6	599.84	599.75	599.69	599.91	600.34	600.91	600.90	601.32	601.38	602.09	601.53	601.18
7	599.99	599.71	599.75	599.95	600.37	600.72	600.72	601.36	601.37	601.51	601.58	601.32
8	599.93	599.82	599.95	599.93	600.49	600.76	600.82	601.12	601.26	601.68	601.52	601.26
9	599.89	599.76	599.84	599.87	600.74	600.87	601.03	601.15	601.30	602.08	601.76	601.27
10	599.37	599.69	599.86	599.86	600.81	600.55	601.00	601.22	601.43	601.82	601.72	601.10
11	599.94	599.79	599.80	599.95	600.52	600.74	600.87	601.26	601.36	601.64	601.62	601.12
12	600.12	599.89	600.03	600.08	600.72	600.71	601.14	601.34	601.46	601.61	601.25	601.42
13	600.21	599.93	599.27	599.90	600.83	600.77	601.18	601.33	601.29	601.52	601.61	601.40
14	600.11	600.12	599.83	600.12	600.74	600.84	601.21	601.33	601.56	601.41	601.50	601.62
15	599.83	599.88	600.08	600.19	600.77	600.75	601.29	601.30	601.43	601.42	601.46	601.31
16	599.70	600.11	599.97	600.06	600.88	600.84	601.23	601.21	601.36	601.51	601.56	601.40
17	600.10	600.07	599.88	599.92	600.87	600.80	601.20	601.23	601.29	601.73	601.71	601.44
18	600.18	599.93	599.83	600.28	600.77	600.80	601.15	601.28	601.28	601.65	601.74	601.39
19	599.96	599.91	600.13	600.31	600.67	600.81	601.25	601.13	601.28	601.68	601.82	601.19
20	600.24	599.80	600.18	600.09	600.73	600.79	601.28	601.18	601.21	601.46	601.50	601.24
21	600.29	599.92	599.74	600.06	600.87	600.74	601.24	601.30	601.27	601.59	601.40	601.41
22	600.81	599.89	599.78	600.01	600.82	600.79	601.22	601.27	601.36	601.62	601.66	601.52
23	600.16	599.92	599.87	600.05	600.74	600.85	601.28	601.28	601.45	601.71	601.48	601.50
24	599.93	599.96	599.60	600.12	600.74	600.78	601.26	601.32	601.36	601.61	601.32	601.53
25	599.94	599.83	599.80	600.14	600.74	600.78	601.18	601.27	601.36	601.66	601.62	601.29
26	600.13	599.81	599.80	600.16	600.79	600.83	601.24	601.32	601.38	601.72	601.45	601.25
27	600.12	600.02	599.81	600.19	600.76	600.80	601.21	601.13	601.45	601.82	601.51	601.40
28	599.52	600.00	599.80	600.25	600.72	600.78	601.18	601.24	601.71	601.82	601.56	601.29
29	600.07		600.00	600.32	600.74	600.74	601.24	601.35	601.55	601.58	601.50	601.22
30	599.88		600.19	600.27	600.75	600.70	601.20	601.22	601.30	601.43	601.60	601.29
31	600.00		599.43		600.72		601.20	601.42		601.59		601.29
MEAN	600.05	599.89	599.83	600.06	600.66	600.77	601.10	601.28	601.35	601.62	601.56	601.37
MAX.	601.53	600.29	600.45	600.80	601.23	601.31	601.66	601.80	601.96	602.53	602.20	602.22
	2100/22	1500/16	0900/30	0500/02	2400/17	2400/06	2200/26	1700/02	1600/28	1900/06	0900/22	0500/02
MIN.	598.80	599.38	598.82	599.30	600.00	600.17	600.25	600.83	600.76	600.94	600.23	600.74
	1000/10	2200/09	1100/13	0200/01	0700/06	0900/10	0800/07	0900/20	0800/02	2100/02	2200/20	2300/09

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

/ Indicates No Data.

ANNUAL MEAN: 600.80

ANNUAL SUMMARY OF LEVELS, 1982
Station 9070: Two Harbors, Minnesota on Lake Superior

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	601.54	Oct	599.76	Mar
Daily mean elevation:	601.80	9 Oct	599.32	13 Mar
Instant/hourly Elevation:	602.06	0900/22 Nov	598.87	1000/13 Mar

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
600.61	22 Jan
600.04	14 Feb
600.04	30 Mar
600.28	2 Apr
600.75	16 May
600.80	9 Jun
601.20	20 Jul
601.32	31 Aug
601.60	28 Sep
601.80	9 Oct
601.74	19 Nov
601.68	2 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
599.41	10 Jan
599.69	10 Feb
599.32	13 Mar
599.71	1 Apr
600.18	1 May
600.54	1 Jun
600.67	7 Jul
601.10	27 Aug
601.04	2 Sep
601.30	3 Oct
601.31	12 Nov
601.10	10 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
601.60														
601.40										8	7	1	601.60	16
601.20									3	17	18	6	601.40	60
601.00								20	23	6	5	18	601.20	132
600.80							20	11	4			6	601.00	173
600.60	1				19	24	3						600.80	176
600.40	1				5	2	8						600.60	228
600.20	1			3	6								600.40	236
600.00	13	2	2	10	1								600.20	246
599.80	8	16	8	14									600.00	274
599.60	3	10	13	3									599.80	320
599.40	1		2										599.60	349
599.20			1										599.40	352
													599.20	353

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

Station 9070: Two Harbors, Minnesota on Lake Superior

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	600.13	599.94*	599.61	599.71	600.18	600.54	600.71	601.22	601.26	601.35	601.59	601.54
2	600.45	599.88	599.77	600.28	600.22	600.63*	600.74	601.29	601.04	601.39	601.54	601.68
3	600.04	599.85	599.83	599.72	600.34	/	600.78	601.30	601.09	601.30	601.64	601.25
4	600.14	599.84	599.69	599.73	600.44	/	600.75	601.25	601.22	601.43	601.66	601.50
5	600.10	599.87	599.61	599.88	600.29	/	600.82	601.26	601.25	601.39	601.35	601.40
6	599.81	599.75	599.65*	599.84	600.26	/	600.79	601.25	601.28	601.80	601.51	601.17
7	599.97	599.70	/	599.88	600.32	600.65*	600.67	601.28	601.29	601.42	601.54	601.29
8	599.89	599.78	/	599.88	600.40	600.67	600.73	601.11	601.20	601.53	601.47	601.23
9	599.87	599.75	599.84*	599.83	600.56	600.80	600.87	601.10	601.22	601.80	601.64	601.26
10	599.41	599.69	599.79	599.83	600.67	600.58	600.86	601.14	601.34	601.69	601.66	601.10
11	599.89	599.75	599.76	599.87	600.46	600.69	600.79	601.20	601.31	601.58	601.55	601.11
12	600.06	599.84	599.97	600.00	600.56	600.69	601.04	601.27	601.37	601.56	601.31	601.38
13	600.16	599.87	599.32	599.84	600.71	600.72	601.08	601.25	601.23	601.48	601.57	601.35
14	600.06	600.04	599.77	600.04	600.68	600.77	601.09	601.24	601.41	601.38	601.49	601.52
15	599.80	599.83	599.99	600.09	600.68	600.69*	601.18	601.24	601.33	601.37	601.45	601.26
16	599.68	600.02	599.87	599.97	600.75	600.77	601.13	601.16	601.29	601.45	601.54	601.34
17	600.04	600.00	599.81	599.82	600.74	600.72	601.15	601.18	601.25	601.65	601.64	601.42
18	600.12	599.86	599.78	600.09	600.72	600.73	601.08	601.23	601.24	601.57	601.68	601.35
19	599.89	599.85	599.99	600.13	600.60	600.74	601.17	601.14	601.23	601.57	601.74	601.15
20	600.15	599.75	600.04	600.00	600.62	600.72	601.20	601.15	601.16	601.41	601.50	601.20
21	600.21	599.85	599.67	599.99	600.73	600.69	601.16	601.25	601.22	601.54	601.36	601.35
22	600.61	599.83	599.75	599.97	600.71	600.70	601.13	601.22	601.31	601.56	601.59	601.43
23	600.03	599.80	599.82	600.01	600.66	600.77	601.19	601.22	601.38	601.64	601.43	601.44
24	599.87	599.88	599.56	600.07	600.67	600.72	601.19	601.26	601.31	601.56	601.32	601.40
25	599.90	599.78	599.75	600.08	600.68	600.70	601.10	601.22	601.29	601.59	601.55	601.24
26	600.07	599.75	599.74*	600.07	600.72	600.75	601.16	601.25	601.32	601.65	601.40	601.23
27	600.06	599.91	/	600.11	600.70	600.74	601.15	601.10	601.37	601.75	601.46	601.33
28	599.67*	599.84	/	600.18	600.67	600.70	601.12	601.17	601.60	601.74	601.51	601.23
29	/		/	600.24	600.68	600.67	601.19	601.28	601.47	601.55	601.47	601.18
30	/		600.04*	600.21	600.66	600.63	601.14	601.17	601.26	601.41	601.55	601.26
31	/		599.42		600.64		601.15	601.32		601.54		601.27
MEAN	600.00	599.84	599.76	599.98	600.57	600.70	601.01	601.22	601.28	601.54	601.52	601.32
MAX.	601.13	600.20	600.31	600.51	600.98	601.06	601.53	601.67	601.87	602.01	602.06	601.87
	2200/22	2300/16	1600/12	1300/02	2300/17	1500/09	1500/17	1600/07	2400/28	1100/09	0900/22	0500/02
MIN.	599.01	599.30	598.87	599.30	600.02	600.22	600.37	600.81	600.80	601.00	600.36	600.74
	1000/10	2300/28	1000/13	0300/01	0700/06	1000/10	0700/07	1000/19	0800/02	2000/02	2100/20	1400/28

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

/ Indicates No Data.

ANNUAL MEAN: 600.73

ANNUAL SUMMARY OF LEVELS, 1982

Station 9090: Grand Marais, Minnesota on Lake Superior

INTERNATIONAL GREAT LAKES DATUM (1955)

HIGHEST			LOWEST		
Monthly mean elevation:	601.42	Nov	Monthly mean elevation:	599.66	Mar
Daily mean elevation:	601.54	19 Nov	Daily mean elevation:	599.44	13 Mar
Instant/hourly Elevation:	601.92	1600/20 Nov	Instant/hourly Elevation:	599.16	1300/13 Mar

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
600.30	2 Jan
599.84	17 Feb
599.85	30 Mar
600.09	30 Apr
600.60	18 May
600.65	6 Jun
601.06	29 Jul
601.16	3 Aug
601.33	28 Sep
601.53	27 Oct
601.54	19 Nov
601.47	2 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
599.58	28 Jan
599.65	26 Feb
599.44	13 Mar
599.59	1 Apr
600.06	1 May
600.51	1 Jun
600.58	1 Jul
601.01	19 Aug
601.01	3 Sep
601.16	1 Oct
601.28	12 Nov
601.10	20 Dec

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

Elev. (ft.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (ft.)	No. of days above elev.
601.40										16	18	1	601.40	35
601.20									3	13	12	13	601.20	76
601.00							11	31	27	2		17	601.00	164
600.80							9						600.80	173
600.60						8	8						600.60	189
600.40					20	22	3						600.40	234
600.20	1				7								600.20	242
600.00	4			3	4								600.00	253
599.80	19	4	2	15									599.80	293
599.60	5	23	22	11									599.60	354
599.40	2		7	1									599.40	364
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INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

Station 9090: Grand Marais, Minnesota on Lake Superior

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	600.01	599.80	599.54	599.59	600.06	600.51	600.58	601.04	601.10	601.16	601.46	601.38
2	600.30	599.81	599.66	599.91	600.07	600.52	600.60	601.05	601.01	601.23	601.40	601.47
3	600.10	599.76	599.69	599.70	600.17	600.55	600.60	601.16	601.01	601.18	601.52	601.20
4	599.99	599.79	599.66	599.63	600.23	600.56	600.61	601.10	601.11	601.26	601.51	601.36
5	600.04	599.81	599.61	599.73	600.21	600.57	600.69	601.09	601.08	601.21	601.31	601.28
6	599.81	599.78	599.59	599.72	600.18	600.65	600.61	601.09	601.07	601.44	601.40	601.18
7	599.92	599.68	599.61	599.77	600.24	600.61	600.63	601.14	601.12	601.30	601.42	601.23
8	599.87	599.74	599.68	599.77	600.27	600.56	600.64	601.09	601.10	601.32	601.37	601.18
9	599.83	599.72	599.66	599.76	600.33	600.60	600.70	601.03	601.10	601.49	601.45	601.26
10	599.58	599.73	599.70	599.77	600.50	600.56	600.72	601.05	601.15	601.51	601.50	601.10
11	599.88	599.71	599.62	599.77	600.38	600.60	600.73	601.07	601.11	601.46	601.39	601.11
12	599.92	599.74	599.84	599.88	600.40	600.59	600.91	601.10	601.24	601.44	601.28	601.27
13	599.99	599.75*	599.44	599.74	600.50	600.60	600.93	601.09	601.11	601.39	601.44	601.23
14	599.98	/	599.65	599.87	600.52	600.63	600.94	601.09	601.16	601.33	601.41	601.28
15	599.80	599.76*	599.79	599.94	600.48	600.56	600.97	601.09	601.12	601.26	601.44	601.16
16	599.66	599.80	599.72	599.84	600.54	600.62	601.00	601.02	601.14	601.31	601.44	601.17
17	599.92	599.84	599.67	599.78	600.54	600.59	601.05	601.04	601.15	601.46	601.49	601.29
18	599.97	599.78	599.65	599.90	600.60	600.60	601.05	601.13	601.15	601.40	601.54	601.23
19	599.83	599.76	599.74	599.96	600.50	600.62	601.03	601.01	601.12	601.36	601.54	601.10
20	599.90	599.71	599.76	599.88	600.49	600.60	601.04	601.05	601.06	601.35	601.50	601.10
21	599.96	599.73	599.60	599.91	600.56	600.59	601.02	601.09	601.11	601.44	601.32	601.20
22	600.19	599.74	599.64	599.93	600.54	600.56	600.98	601.09	601.17	601.45	601.47	601.26
23	599.88	599.67	599.71	599.96	600.53	600.61	601.04	601.11	601.20	601.49	601.37	601.26
24	599.78	599.70	599.57	600.00	600.54	600.59	601.01	601.12	601.14	601.48	601.34	601.20
25	599.80	599.69	599.64	599.98	600.56	600.54	601.01	601.14	601.14	601.46	601.42	601.12
26	599.94	599.65	599.58	599.96	600.57	600.63	601.01	601.13	601.19	601.49	601.32	601.18
27	599.99	599.72	599.62	599.98	600.55	600.61	601.00	601.02	601.20	601.53	601.41	601.24
28	599.58	599.82	599.66	600.06	600.54	600.59	600.98	601.04	601.33	601.52	601.37	601.17
29	599.87		599.72	600.09	600.54	600.54	601.06	601.12	601.29	601.50	601.37	601.16
30	599.74		599.85	600.09	600.53	600.54	601.00	601.03	601.17	601.38	601.41	601.20
31	599.84		599.49		600.52		601.05	601.14		601.45		601.20
MEAN	599.90	599.75	599.66	599.86	600.43	600.58	600.88	601.08	601.14	601.39	601.42	601.22
MAX.	600.57	600.00	600.31	600.25	600.89	601.09	601.48	601.49	601.72	601.87	601.92	601.71
	2300/22	1700/06	1700/12	1400/02	1500/10	0600/07	1400/17	2300/18	1500/29	0300/28	1600/20	0300/02
MIN.	599.36	599.43	599.16	599.30	599.84	600.28	600.22	600.69	600.81	600.77	600.76	600.80
	1900/10	2400/22	1300/13	0200/01	0700/06	1900/07	0400/06	0900/19	2200/02	0300/07	2100/20	1300/10

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

/ Indicates No Data.

ANNUAL MEAN: 600.61

Water Level Stages for Lake Ontario at Oswego

1900 thru Dec 1982

NOAA/NOS
WSC-1 N/OMS124
Great Lakes Water Levels
Rockville, Maryland 20852

Levels in Feet above
IGLD (1955)
Chart Datum 242.80

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1946	1952	1952	1973	1952	1952	1947	1947	1947	1945	1945	1945
HIGH	246.10	246.46	246.77	247.69	247.95	248.06	247.74	247.45	246.91	246.33	246.18	246.19
MEAN	244.03	244.11	244.38	245.06	245.46	245.59	245.50	245.16	244.73	244.34	244.08	244.00
	1935	1936	1935	1935	1935	1935	1934	1934	1934	1934	1934	1934
LOW	241.67	241.59	242.08	242.38	242.67	242.91	242.75	242.26	241.94	241.72	241.45	241.48

1900 thru 1982 mean 244.70

Water Level Stages for Lake Erie at Cleveland

1900 thru Dec 1982

NOAA/NOS
WSC-1 N/OMS124
Great Lakes Water Levels
Rockville, Maryland 20852

Levels in Feet above
IGLD (1955)
Chart Datum 568.60

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1973	1973	1973	1973	1973	1973	1973	1973	1973	1973	1972	1972
HIGH	572.39	572.53	572.88	573.30	573.25	573.51	573.34	573.03	572.51	572.14	572.17	572.35
MEAN	569.85	569.83	570.08	570.64	570.95	571.08	571.03	570.84	570.55	570.23	569.95	569.89
	1935	1936	1934	1934	1934	1934	1934	1934	1934	1934	1934	1934
LOW	567.62	567.49	567.65	568.20	568.43	568.46	568.46	568.36	568.23	567.95	567.60	567.53

1900 thru 1982 mean 570.40

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

1900 thru Dec 1982

NOAA/NOS
WSC-1 N/OMS124
Great Lakes Water Levels
Rockville, Maryland 20852

Levels in Feet above
IGLD (1955)
Chart Datum 571.70

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1974	1974	1973	1973	1974	1973	1973	1973	1973	1973	1972	1972
HIGH	575.37	575.39	575.75	575.91	576.06	576.23	576.20	576.03	575.70	575.35	575.18	575.21
MEAN	572.66	572.39	572.83	573.41	573.70	573.87	573.94	573.82	573.61	573.33	573.03	573.04
	1936	1926	1934	1901	1934	1934	1934	1934	1934	1934	1934	1925
LOW	569.86	569.88	570.41	571.09	571.64	571.74	571.88	571.60	571.36	571.13	570.83	571.05

1900 thru 1982 mean 573.30

Water Level Stages for Lake Huron-Michigan at Harbor Beach

1900 thru Dec 1982

NOAA/NOS
WSC-1 N/OMS124
Great Lakes Water Levels
Rockville, Maryland 20852

Levels in Feet above
IGLD (1955)
Chart Datum 576.80

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1973	1952	1973	1973	1973	1973	1974	1973	1952	1973	1973	1973
HIGH	579.92	579.91	579.98	580.32	580.60	580.89	581.04	580.99	580.76	580.45	580.20	579.97
MEAN	577.80	577.76	577.81	578.07	578.39	578.61	578.75	578.71	578.54	578.33	578.12	577.95
	1965	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964
LOW	575.39	575.44	575.35	575.36	575.79	575.90	575.96	575.97	575.94	575.77	575.57	575.40

1900 thru 1982 mean 578.24

Water Level Stages for Lake Superior at Marquette

1900 thru Dec 1982

NOAA/NOS
WSC-1 N/OMS124
Great Lakes Water Levels
Rockville, Maryland 20852

Levels in Feet above
IGLD (1955)
Chart Datum 600.00

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1975	1975	1975	1951	1951	1951	1950	1950	1916	1951	1974	1974
HIGH	601.33	601.18	600.97	601.14	601.53	601.64	601.89	602.02	601.93	601.93	601.81	601.53
MEAN	600.35	600.14	600.00	600.05	600.40	600.68	600.90	601.00	601.03	600.97	600.83	600.60
	1926	1926	1926	1926	1926	1926	1926	1926	1926	1925	1925	1925
LOW	598.58	598.37	598.32	598.23	598.30	598.63	598.99	599.15	599.46	599.49	599.17	598.94

1900 thru 1982 mean 600.58

ANNUAL SUMMARY OF LEVELS, 1982

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

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	74.61	Jun	74.09	Dec
Daily mean elevation:	74.72	23 Apr	73.95	18 Dec
Instant/hourly elevation:	74.83	1300/4 Apr	73.82	0600/3 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
74.43	11 Jan
74.22	7 Feb
74.37	31 Mar
74.72	23 Apr
74.60	1 May
74.68	20 Jun
74.69	2 Jul
74.51	1 Aug
74.45	3 Sep
74.30	21 Oct
74.37	6 Nov
74.38	29 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
73.95	3 Jan
73.99	17 Feb
73.97	4 Mar
74.33	6 Apr
74.48	23 May
74.47	6 Jun
74.45	23 Jul
74.33	25 Aug
74.14	15 Sep
74.01	10 Oct
74.02	22 Nov
73.95	18 Dec

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

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
74.70				2									74.70	2
74.65				3		3	2						74.65	10
74.60				1		17	5						74.60	33
74.55				2	4	7	12						74.55	58
74.50				9	24	1	2	1					74.50	95
74.45				8	3	2	9	2					74.45	119
74.40	1			3			1	18	1				74.40	143
74.35			5	1				7	2		1	1	74.35	160
74.30				1				3	3				74.30	167
74.25	4		2						5	1		1	74.25	180
74.20	6	1	3						8	2	4	2	74.20	206
74.15	10	3							8	7	3	3	74.15	240
74.10	6	8	4						3	9	6	4	74.10	280
74.05	1	3	4							9	9	7	74.05	313
74.00	2	10	10							3	7	10	74.00	355
73.95		3	3									2	73.95	363
73.90	1											1	73.90	365
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INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	74.15	74.17	74.01	74.49	74.60	74.57	74.65	74.51	74.27	74.22	74.02	74.07
2	74.01	74.12	74.05	74.44	74.58	74.62	74.69	74.41	74.34	74.16	74.03	74.04
3	73.95	74.12	74.01	74.47	74.56	74.56	74.60	74.43	74.45	74.18	74.08	74.08
4	74.01	74.15	73.97	74.71	74.54	74.52	74.60	74.42	74.40	74.15	74.10	74.12
5	74.24	74.12	74.06	74.52	74.53	74.50	74.60	74.42	74.37	74.14	74.23	74.03
6	74.14	74.18	74.01	74.33	74.52	74.47	74.61	74.42	74.31	74.15	74.37	74.18
7	74.20	74.22	74.03	74.40	74.52	74.56	74.64	74.43	74.23	74.09	74.25	74.19
8	74.22	74.18	74.05	74.45	74.54	74.60	74.64	74.41	74.26	74.15	74.23	74.08
9	74.23	74.12	73.99	74.47	74.55	74.60	74.65	74.44	74.30	74.02	74.11	74.02
10	74.30	74.15	74.00	74.51	74.54	74.60	74.59	74.47	74.31	74.01	74.08	74.13
11	74.43	74.14	74.01	74.47	74.53	74.64	74.59	74.46	74.27	74.10	74.15	74.09
12	74.22	74.11	74.02	74.46	74.52	74.61	74.68	74.42	74.25	74.16	74.22	74.01
13	74.18	74.09	74.03	74.52	74.51	74.61	74.60	74.40	74.23	74.15	74.19	74.02
14	74.19	74.08	74.10	74.51	74.51	74.62	74.57	74.42	74.24	74.19	74.08	74.09
15	74.23	74.08	74.06	74.45	74.51	74.59	74.56	74.41	74.14	74.24	74.16	74.05
16	74.29	74.05	74.02	74.46	74.54	74.67	74.56	74.42	74.24	74.18	74.14	74.03
17	74.26	73.99	74.06	74.50	74.51	74.62	74.56	74.40	74.20	74.17	74.11	73.96
18	74.25	74.00	74.11	74.62	74.51	74.62	74.59	74.39	74.26	74.15	74.04	73.95
19	74.19	74.05	74.14	74.54	74.54	74.61	74.57	74.44	74.21	74.15	74.05	74.02
20	74.19	74.04	74.13	74.54	74.56	74.68	74.47	74.41	74.19	74.18	74.08	74.02
21	74.12	74.01	74.15	74.70	74.50	74.64	74.47	74.35	74.20	74.30	74.10	74.07
22	74.11	74.04	74.23	74.66	74.48	74.63	74.49	74.39	74.15	74.13	74.02	74.05
23	74.16	74.05	74.21	74.72	74.48	74.65	74.45	74.41	74.19	74.12	74.03	73.99
24	74.28	74.00	74.22	74.67	74.51	74.63	74.47	74.37	74.21	74.08	74.10	74.06
25	74.19	74.05	74.26	74.60	74.53	74.66	74.52	74.33	74.18	74.08	74.20	74.13
26	74.19	74.05	74.36	74.54	74.55	74.62	74.50	74.42	74.18	74.05	74.15	74.21
27	74.15	74.05	74.37	74.53	74.52	74.61	74.49	74.44	74.15	74.07	74.06	74.13
28	74.19	74.01	74.37	74.49	74.51	74.61	74.47	74.40	74.19	74.06	74.05	74.25
29	74.19		74.36	74.55	74.53	74.61	74.50	74.41	74.18	74.06	74.11	74.38
30	74.14		74.30	74.58	74.53	74.64	74.47	74.39	74.21	74.08	74.08	74.26
31	74.07		74.37		74.55		74.51	74.34		74.06		74.20
MEAN	74.18	74.09	74.13	74.53	74.53	74.61	74.56	74.41	74.24	74.13	74.12	74.09
MAX.	74.66	74.37	74.51	74.83	74.63	74.77	74.74	74.55	74.56	74.47	74.45	74.61
	0600/11	1100/01	2100/31	1300/04	1700/01	0300/16	1200/12	1600/10	1500/03	0300/21	1000/06	0300/29
MIN.	73.82	73.92	73.90	74.23	74.45	74.43	74.40	74.26	74.04	73.95	73.95	73.90
	0600/03	0700/24	0800/09	0800/06	1500/23	1700/06	1000/28	1100/25	1100/27	2200/09	2400/22	2100/18

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

/ Indicates No Data.

ANNUAL MEAN: 74.30

ANNUAL SUMMARY OF LEVELS, 1982

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

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	74.89	Jun	74.35	Dec
Daily mean elevation:	74.93	30 Jun	74.19	24 Jan
Instant/hourly elevation:	75.00	2400/15 Jun	73.83	0100/5 Jan

HIGHEST DAILY MEAN FOR EACH MONTH		LOWEST DAILY MEAN FOR EACH MONTH	
Elev.	Date	Elev.	Date
74.59	31 Jan	74.19	24 Jan
	Feb		Feb
	Mar		Mar
	Apr		Apr
74.83	31 May	74.78	23 May
74.93	30 Jun	74.82	5 Jun
74.92	2 Jul	74.76	30 Jul
74.78	1 Aug	74.62	31 Aug
74.66	3 Sep	74.47	26 Sep
74.48	1 Oct	74.30	31 Oct
74.46	6 Nov	74.29	1 Nov
74.45	29 Dec	74.29	18 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
74.90						12	2						74.90	14
74.85						12	16						74.85	42
74.80					10	5	6						74.80	63
74.75					8		7	1					74.75	79
74.70								9					74.70	88
74.65								15	1				74.65	104
74.60								5	3				74.60	112
74.55	1								4				74.55	117
74.50	1								5				74.50	123
74.45	5								12	2	1		74.45	143
74.40	10									15	1	3	74.40	172
74.35	7									6	12	6	74.35	203
74.30	1									7	15	18	74.30	244
74.25	4									1	1	3	74.25	253
74.20	1												74.20	254
74.15	1												74.15	255

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	74.38	/	/	/	/	74.84	74.92	74.78*	74.60	74.48	74.29	74.34
2	74.51	/	/	/	/	74.86	74.92	/	74.63	74.45	74.31	74.32
3	74.49	/	/	/	/	74.84	74.90	74.73*	74.66	74.46	74.34	74.35
4	74.25	/	/	/	/	74.83	74.90	74.74	74.62	74.44	74.36	74.36
5	74.28	/	/	/	/	74.82	74.90	74.73	74.61	74.44	74.44	74.33
6	74.41	/	/	/	/	74.84	74.90	74.72	74.58	74.43	74.46	74.38
7	74.41	/	/	/	/	74.87	74.90	74.72	74.55	74.42	74.40	74.38
8	74.41	/	/	/	/	74.88	74.90	74.71	74.56	74.45	74.40	74.34
9	74.40	/	/	/	/	74.89	74.89	74.73	74.56	74.38	74.35	74.32
10	74.29	/	/	/	/	74.88	74.87	74.73	74.55	74.37	74.33	74.40
11	74.30	/	/	/	/	74.91	74.87	74.71	74.54*	74.41	74.39	74.35
12	74.41	/	/	/	/	74.89	74.90	74.70	/	74.43	74.40	74.31
13	74.43	/	/	/	/	74.89	74.88	74.70	/	74.41	74.38	74.33
14	74.42	/	/	/	74.81*	74.91	74.86	74.70	/	74.44	74.35	74.34
15	74.40	/	/	/	74.81	74.89	74.86	74.69	/	74.45	74.39	74.31
16	74.33	/	/	/	74.81	74.92	74.85	74.69	/	74.42	74.37	74.33
17	74.37	/	/	/	74.80	74.91	74.86	74.68	74.49*	74.42	74.35	74.29
18	74.41	/	/	/	74.80	74.90	74.86	74.67	74.52	74.40	74.32	74.29
19	74.42	/	/	/	74.81	74.91	74.86	74.68	74.48	74.40	74.32	74.33
20	74.46	/	/	/	74.82	74.92	74.82	74.66	74.49	74.42	74.34	74.33
21	74.44	/	/	/	74.80	74.90*	74.82	74.64	74.48	74.43	74.35	74.34
22	74.36	/	/	/	74.79	/	74.83	74.65	74.47	74.38	74.31	74.31
23	74.26	/	/	/	74.78	74.91*	74.81	74.66	74.51	74.37	74.32	74.30
24	74.19	/	/	/	74.80	74.91	74.79	74.64*	74.49	74.35	74.37	74.35
25	74.37	/	/	/	74.82	74.91	74.81	74.69*	74.48	74.34	74.39	74.34*
26	74.43	/	/	/	74.81	74.91	74.79	74.68	74.47	74.33	74.37	/
27	74.46	/	/	/	74.79	74.90	74.78	74.69	74.48	74.33	74.32	74.38*
28	74.40	/	/	/	74.80	74.90	74.78	74.67	74.48	74.32	74.33	74.44
29	74.47		/	/	74.82	74.91	74.78	74.66	74.48	74.32	74.37	74.45
30	74.50		/	/	74.82	74.93	74.76	74.65	74.48	74.32	74.33	74.43*
31	74.59		/		74.83		74.79	74.62		74.30		74.40
MEAN	74.40	/	/	/	74.81	74.89	74.85	74.69	74.53	74.40	74.36	74.35
MAX.	74.67				74.88	75.00	74.97	74.79	74.71	74.59	74.59	74.67
	1800/31				0800/20	2400/15	1700/17	0300/01	1200/03	0100/21	2200/12	2400/28
MIN.	73.83				74.76	74.80	74.73	74.58	74.37	74.28	74.26	74.23
	0100/05				0400/23	1500/06	0600/28	2400/31	0700/27	0200/31	1600/01	1800/18

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

/ Indicates No Data.

ANNUAL MEAN: 74.59

ANNUAL SUMMARY OF LEVELS, 1982
Station 2030: Oswego, New York on Lake Ontario

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	74.90	Jun	74.38	Dec
Daily mean elevation:	74.95	1 Jul	74.32	19 Dec
Instant/hourly elevation:	74.97	0500/1 Jul	74.20	1200/23 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
74.53	24 Jan
74.51	6 Feb
74.64	27 Mar
74.85	30 Apr
74.86	10 May
74.95	30 Jun
74.95	1 Jul
74.78	2 Aug
74.65	3 Sep
74.50	1 Oct
74.44	13 Nov
74.46	29 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
74.36	3 Jan
74.38	28 Feb
74.34	4 Mar
74.64	3 Apr
74.80	23 May
74.84	1 Jun
74.79	31 Jul
74.64	24 Aug
74.48	30 Sep
74.32	31 Oct
74.32	20 Nov
74.32	19 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
74.90						16	7						74.90	23
74.85					2	13	13						74.85	51
74.80				10	28	1	8						74.80	98
74.75				6	1		3	5					74.75	113
74.70				11				10					74.70	134
74.65				1				12					74.65	147
74.60			3	2				4	6				74.60	162
74.55			3						4				74.55	169
74.50	2	2	4						12				74.50	189
74.45	10	7	3						8	12		1	74.45	230
74.40	14	16	8							8	5	5	74.40	286
74.35	5	3	9							7	16	14	74.35	340
74.30			1							4	9	11	74.30	365

INTERNATIONAL
GREAT LAKES
DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

Station 2030: Oswego, New York on Lake Ontario

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	74.44	74.51	74.38	74.66	74.85	74.84	74.95	74.78	74.61	74.50	74.34	74.35
2	74.41	74.44	74.43	74.65	74.84	74.86	74.94	74.78	74.63	74.47	74.35	74.35
3	74.36	74.45	74.38	74.64	74.84	74.86	74.94	74.77	74.65	74.46	74.36	74.35
4	74.39	74.48	74.34	74.80	74.84	74.86	74.93	74.76	74.64	74.48	74.40	74.38
5	74.48	74.46	74.42	74.72	74.83	74.86	74.92	74.76	74.62	74.46	74.43	74.36
6	74.40	74.51	74.38	74.74	74.83	74.89	74.91	74.75	74.62	74.46	74.43	74.39
7	74.44	74.50	74.41	74.79	74.83	74.90	74.90	74.73	74.58	74.45	74.39	74.41
8	74.45	74.47	74.41	74.76	74.85	74.90	74.91	74.72	74.57	74.47	74.40	74.39
9	74.47	74.47	74.37	74.72	74.86	74.90	74.90	74.72	74.56	74.46	74.40	74.40
10	74.48	74.50	74.36	74.73	74.86	74.88	74.90	74.75	74.56	74.42	74.37	74.35
11	74.47	74.46	74.37	74.72	74.84	74.91	74.87	74.75	74.55	74.40	74.34	74.39
12	74.43	74.45	74.38	74.72	74.84	74.90	74.89	74.73	74.54	74.43	74.37	74.38
13	74.42	74.45	74.39	74.72	74.84	74.89	74.90	74.72	74.53	74.42	74.44	74.34
14	74.44	74.44	74.44	74.75	74.84	74.90	74.89	74.71	74.53	74.44	74.38	74.33
15	74.47	74.42	74.41	74.73	74.84	74.90	74.88	74.70	74.54	74.48	74.42	74.33
16	74.49	74.43	74.39	74.73	74.83	74.92	74.86	74.69	74.54	74.48	74.37	74.38
17	74.53	74.40	74.44	74.75	74.83	74.92	74.86	74.70	74.52	74.46	74.37	74.37
18	74.45	74.38	74.45	74.79	74.83	74.91	74.86	74.69	74.54	74.42	74.35	74.32
19	74.43	74.42	74.48	74.76	74.82	74.91	74.87	74.67	74.52	74.40	74.33	74.32
20	74.47	74.42	74.47	74.78	74.83	74.91	74.87	74.69	74.50	74.40	74.32	74.37
21	74.44	74.42	74.49	74.83	74.83	74.92	74.85	74.68	74.50	74.46	74.35	74.40
22	74.40	74.43	74.53	74.83	74.82	74.92	74.85	74.66	74.50	74.41	74.36	74.37
23	74.40	74.43	74.52	74.83	74.80	74.94	74.84	74.64	74.52	74.41	74.35	74.34
24	74.53	74.41	74.52	74.82	74.82	74.93	74.82	74.64	74.51	74.38	74.43	74.35
25	74.47	74.44	74.54	74.83	74.83	74.92	74.81	74.69	74.50	74.37	74.39	74.36
26	74.47	74.43	74.62	74.83	74.82	74.94	74.82	74.70	74.48	74.37	74.38	74.43
27	74.42	74.41	74.64	74.85	74.82	74.93	74.80	74.69	74.49	74.36	74.38	74.39
28	74.45	74.38	74.60	74.85	74.82	74.92	74.82	74.71	74.51	74.34	74.33	74.41
29	74.47		74.58	74.84	74.83	74.94	74.81	74.68	74.49	74.33	74.38	74.46
30	74.43		74.57	74.85	74.84	74.95	74.79	74.65	74.48	74.34	74.37	74.45
31	74.42		74.61		74.83		74.79	74.65		74.32		74.43
MEAN	74.45	74.44	74.46	74.77	74.83	74.90	74.87	74.71	74.54	74.42	74.38	74.38
MAX.	74.66	74.62	74.84	74.87	74.89	74.97	74.97	74.85	74.73	74.54	74.53	74.56
	0600/05	0600/01	1700/31	1100/27	2200/08	0300/30	0500/01	1000/25	2400/02	1400/15	2000/12	2300/28
MIN.	74.20	74.33	74.29	74.52	74.77	74.79	74.75	74.58	74.42	74.27	74.28	74.28
	1200/23	2000/28	0400/09	1400/03	0800/20	1500/01	1100/28	0100/25	0100/18	0400/31	1400/28	2100/18

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

ANNUAL MEAN: 74.60

ANNUAL SUMMARY OF LEVELS, 1982

Station 2058: Rochester, New York on Lake Ontario

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	74.92	Jun	74.38	Nov
Daily mean elevation:	74.96	3 Jul	74.34	30 Oct
Instant/hourly elevation:	75.00	2400/16 Jun	74.26	1600/12 Nov

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
74.49	25 Jan
74.48	5 Feb
74.61	27 Mar
74.86	30 Apr
74.87	10 May
74.95	30 Jun
74.96	3 Jul
74.80	2 Aug
74.64	4 Sep
74.51	2 Oct
74.42	13 Nov
74.44	31 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
74.38	4 Jan
74.41	28 Feb
74.38	11 Mar
74.64	1 Apr
74.84	27 May
74.86	1 Jun
74.78	31 Jul
74.64	31 Aug
74.50	26 Sep
74.34	30 Oct
74.35	20 Nov
74.35	19 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
74.95							2						74.95	2
74.90						23	10						74.90	35
74.85				4	13	7	8						74.85	67
74.80				6	18		9						74.80	100
74.75				8			2	7					74.75	117
74.70				9				8					74.70	134
74.65				2				11					74.65	147
74.60			1	1				5	6				74.60	160
74.55			6						5				74.55	171
74.50			3						18	2			74.50	194
74.45	8	11	5						1	10			74.45	229
74.40	21	17	4							9	1	5	74.40	286
74.35	2		12							7	27	22	74.35	356
74.30										3	2	4	74.30	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

Station 2058: Rochester, New York on Lake Ontario

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	74.42	74.46	74.40	74.64	74.86	74.86	74.96	74.79	74.62	74.51	74.35	74.37
2	74.43	74.47	74.41	74.66	74.86	74.87	74.95	74.80	74.62	74.51	74.36	74.37
3	74.39	74.48	74.40	74.67	74.87	74.88	74.96	74.77	74.62	74.49	74.37	74.36
4	74.38	74.48	74.38	74.71	74.86	74.87	74.94	74.77	74.64	74.50	74.39	74.38
5	74.43	74.48	74.39	74.74	74.85	74.88	74.94	74.76	74.62	74.48	74.38	74.38
6	74.42	74.47	74.40	74.76	74.85	74.90	74.93	74.75	74.62	74.47	74.39	74.38
7	74.43	74.46	74.40	74.75	74.85	74.90	74.92	74.74	74.60	74.47	74.39	74.39
8	74.43	74.47	74.40	74.74	74.86	74.91	74.93	74.73	74.58	74.48	74.40	74.39
9	74.44	74.47	74.38	74.72	74.87	74.91	74.92	74.73	74.57	74.49	74.40	74.40
10	74.43	74.47	74.39	74.72	74.87	74.91	74.92	74.76	74.57	74.45	74.39	74.36
11	74.44	74.45	74.38	74.73	74.86	74.92	74.90	74.76	74.56	74.44	74.37	74.38
12	74.45	74.45	74.40	74.75	74.86	74.92	74.90	74.74	74.55	74.44	74.37	74.39
13	74.44	74.46	74.39	74.73	74.86	74.93	74.92	74.72	74.55	74.44	74.42	74.37
14	74.46	74.45	74.42	74.76	74.85	74.93	74.91	74.71	74.54	74.45	74.39	74.35
15	74.45	74.44	74.43	74.76	74.85	74.93	74.89	74.70	74.55	74.47	74.39	74.35
16	74.44	74.44	74.41	74.76	74.84	74.94	74.88	74.69	74.54	74.48	74.37	74.38
17	74.45	74.44	74.46	74.76	74.84	74.94	74.88	74.70	74.54	74.46	74.38	74.39
18	74.45	74.42	74.46	74.78	74.84	74.94	74.88	74.69	74.54	74.42	74.38	74.35
19	74.46	74.42	74.47	74.78	74.84	74.93	74.89	74.68	74.54	74.41	74.36	74.35
20	74.46	74.43	74.49	74.80	74.84	74.93	74.88	74.71	74.52	74.40	74.35	74.38
21	74.47	74.44	74.50	74.82	74.85	74.94	74.85	74.69	74.52	74.42	74.36	74.39
22	74.44	74.44	74.52	74.83	74.85	74.95	74.85	74.65	74.51	74.43	74.37	74.39
23	74.42	74.44	74.54	74.83	74.85	74.95	74.85	74.64	74.51	74.40	74.36	74.38
24	74.44	74.45	74.54	74.84	74.85	74.95	74.83	74.65	74.52	74.39	74.39	74.38
25	74.49	74.43	74.56	74.85	74.84	74.94	74.81	74.69	74.52	74.37	74.37	74.39
26	74.48	74.42	74.58	74.85	74.84	74.95	74.83	74.69	74.50	74.37	74.37	74.41
27	74.46	74.41	74.61	74.86	74.84	74.94	74.82	74.69	74.52	74.36	74.38	74.40
28	74.44	74.41	74.60	74.86	74.85	74.94	74.81	74.70	74.52	74.36	74.36	74.42
29	74.45		74.59	74.86	74.86	74.95	74.81	74.68	74.51	74.35	74.37	74.44
30	74.45		74.59	74.86	74.86	74.95	74.79	74.65	74.51	74.34	74.37	74.44
31	74.48		74.60		74.86		74.78	74.64		74.35		74.44
MEAN	74.44	74.45	74.47	74.77	74.85	74.92	74.88	74.71	74.55	74.43	74.38	74.39
MAX.	74.55	74.58	74.71	74.90	74.92	75.00	74.99	74.84	74.72	74.57	74.46	74.51
	1500/23	1300/05	2100/31	2300/27	2300/19	2400/16	1700/05	1100/02	2200/02	2000/01	2000/04	0400/09
MIN.	74.30	74.34	74.33	74.56	74.76	74.83	74.76	74.59	74.47	74.29	74.26	74.28
	1000/04	0300/01	0400/05	0300/01	0100/20	1100/01	0800/31	1600/31	2400/26	1400/30	1600/12	0300/06

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

/ Indicates No Data.

ANNUAL MEAN: 74.60

ANNUAL SUMMARY OF LEVELS, 1982
Station 2076: Olcott, New York on Lake Ontario

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	74.94	Jun	74.39	Nov
Daily mean elevation:	74.97	3 Jul	74.37	15 Dec
Instant/hourly elevation:	75.02	2200/15 Jun	74.27	1800/4 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
74.52	31 Jan
74.51	5 Feb
74.64	30 Mar
74.87	29 Apr
74.88	31 May
74.97	30 Jun
74.97	3 Jul
74.80	2 Aug
74.64	1 Sep
74.53	2 Oct
74.41	14 Nov
74.45	31 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
74.39	10 Jan
74.41	26 Feb
74.39	7 Mar
74.64	1 Apr
74.86	26 May
74.88	2 Jun
74.79	31 Jul
74.65	31 Aug
74.52	23 Sep
74.37	31 Oct
74.37	29 Nov
74.37	15 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
74.95						5	4						74.95	9
74.90						20	10						74.90	39
74.85				6	31	5	6						74.85	87
74.80				5			8						74.80	100
74.75				8			3	11					74.75	122
74.70				8				3					74.70	133
74.65				2				12					74.65	147
74.60			2	1				5	6				74.60	161
74.55			6						9				74.55	176
74.50	1	2	4						15	6			74.50	204
74.45	13	14	4							10			74.45	245
74.40	16	12	11							6	3	12	74.40	305
74.35	1		4							9	27	19	74.35	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

Station 2076: Olcott, New York on Lake Ontario

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	74.42	74.45	74.41	74.64	74.86	74.88	74.97	74.79	74.64	74.53	74.37	74.39
2	74.45	74.51	74.40	74.68	74.87	74.88	74.96	74.80	74.62	74.53	74.38	74.40
3	74.44	74.49	74.41	74.71	74.86	74.89	74.97	74.78	74.62	74.51	74.38	74.40
4	74.41	74.49	74.43	74.67	74.87	74.89	74.96	74.77	74.63	74.51	74.38	74.39
5	74.41	74.51	74.39	74.74	74.88	74.90	74.95	74.77	74.63	74.50	74.39	74.42
6	74.44	74.46	74.43	74.75	74.88	74.91	74.95	74.77	74.62	74.50	74.37	74.40
7	74.42	74.43	74.39	74.72	74.87	74.91	74.95	74.77	74.60	74.50	74.40	74.40
8	74.42	74.46	74.40	74.73	74.87	74.93	74.95	74.77	74.59	74.51	74.40	74.41
9	74.44	74.48	74.41	74.73	74.88	74.93	74.94	74.77	74.58	74.51	74.41	74.41
10	74.39	74.45	74.43	74.73	74.88	74.95	74.93	74.76	74.58	74.49	74.41	74.39
11	74.41	74.44	74.42	74.75	74.88	74.94	74.92	74.76	74.58	74.47	74.39	74.39
12	74.47	74.47	74.42	74.76	74.88	74.95	74.93	74.73	74.57	74.48	74.40	74.39
13	74.48	74.46	74.41	74.76	74.88	74.95	74.92	74.72	74.57	74.49	74.40	74.37
14	74.47	74.47	74.41	74.76	74.87	74.94	74.91	74.71	74.56	74.47	74.41	74.37
15	74.45	74.46	74.45	74.78	74.87	74.95	74.89	74.70	74.56	74.47	74.38	74.37
16	74.41	74.46	74.49	74.78	74.86	74.94	74.89	74.69	74.54	74.47	74.38	74.38
17	74.43	74.48	74.48	74.77	74.86	74.95	74.89	74.69	74.55	74.44	74.40	74.40
18	74.47	74.47	74.49	74.77	74.86	74.95	74.90	74.68	74.54	74.44	74.40	74.41
19	74.49	74.44	74.50	74.80	74.86	74.94	74.89	74.68	74.55	74.44	74.40	74.40
20	74.48	74.46	74.52	74.81	74.86	74.94	74.87	74.70	74.54	74.43	74.40	74.40
21	74.49	74.47	74.51	74.81	74.87	74.95	74.85	74.66	74.53	74.42	74.39	74.39
22	74.50	74.44	74.52	74.83	74.88	74.96	74.85	74.65	74.52	74.42	74.40	74.40
23	74.47	74.45	74.55	74.83	74.88	74.94	74.85	74.66	74.52	74.40	74.39	74.41
24	74.43	74.45	74.57	74.85	74.87	74.95	74.83	74.65	74.54	74.40	74.37	74.41
25	74.48	74.43	74.57	74.87	74.86	74.95	74.83	74.67	74.53	74.40	74.37	74.42
26	74.48	74.41	74.56	74.86	74.86	74.96	74.83	74.69	74.53	74.38	74.38	74.40
27	74.49	74.42	74.58	74.87	74.87	74.96	74.83	74.68	74.54	74.38	74.39	74.44
28	74.44	74.43	74.59	74.87	74.88	74.95	74.80	74.68	74.54	74.38	74.38	74.43
29	74.45		74.60	74.87	74.88	74.96	74.79	74.65	74.54	74.38	74.37	74.42
30	74.47		74.64	74.86	74.87	74.97	74.81	74.65	74.54	74.37	74.39	74.44
31	74.52		74.61		74.88		74.79	74.65		74.37		74.45
MEAN	74.45	74.46	74.48	74.78	74.87	74.94	74.89	74.71	74.57	74.45	74.39	74.40
MAX.	74.61	74.56	74.72	74.91	74.94	75.02	75.00	74.86	74.67	74.56	74.46	74.49
	2200/31	0900/05	0500/31	1800/25	1600/28	2200/15	1100/03	1500/03	2300/02	2100/01	1600/10	1100/27
MIN.	74.27	74.35	74.31	74.60	74.80	74.83	74.76	74.60	74.49	74.31	74.31	74.31
	1800/04	0700/01	0600/05	1000/01	0600/20	1900/01	1200/29	2400/31	2100/26	1400/31	0500/25	0800/04

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

/ Indicates No Data.

ANNUAL MEAN: 74.62

ANNUAL SUMMARY OF LEVELS, 1982

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

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	98.77	Jun	96.97	Feb
Daily mean elevation:	100.25	4 Apr	95.86	10 Nov
Instant/hourly elevation:	102.45	1400/4 Apr	95.66	0400/9 Nov

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
99.64	24 Jan
98.37	7 Feb
98.13	14 Mar
100.25	4 Apr
98.79	20 May
99.06	21 Jun
98.77	2 Jul
98.54	9 Aug
98.32	3 Sep
98.57	15 Oct
98.19	5 Nov
99.04	29 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
96.30	31 Jan
96.41	24 Feb
96.69	3 Mar
97.91	6 Apr
98.13	22 May
98.39	27 Jun
97.96	24 Jul
97.97	28 Aug
97.71	17 Sep
97.65	10 Oct
95.86	10 Nov
96.61	18 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
100.20				1									100.20	1
100.05													100.05	1
99.90													99.90	1
99.75													99.75	1
99.60	1												99.60	2
99.45													99.45	2
99.30													99.30	2
99.15				1									99.15	3
99.00				2		1						1	99.00	7
98.85				3		12							98.85	22
98.70				12	10	9	1						98.70	54
98.55				2	12	2	1			1			98.55	72
98.40				3	3	4	6	4		1			98.40	93
98.25		1		3	5	2	5	7	2	1			98.25	119
98.10			1	1	1		6	9	2	1	2	2	98.10	144
97.95			4	1			12	11	15	3			97.95	190
97.80		1	1	1					4	6	1	5	97.80	209
97.65	1		10						7	17	2	2	97.65	248
97.50	1		2							1	3	3	97.50	258
97.35		1	1								2	2	97.35	264
97.20		4	2								3	6	97.20	279
97.05		2										1	97.05	282
96.90	3	4	4								2	4	96.90	299
96.75	2	4	3								2	2	96.75	312
96.60	1	6	3								5	3	96.60	330
96.45	2	4									2		96.45	338
96.30	1	1									1		96.30	341
96.15	1										4		96.15	346
96.00													96.00	346
95.85											1		95.85	347

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	/	97.91	96.98	99.26	98.26	98.85	98.70	98.15	98.04	97.80	96.88	97.01
2	/	96.72	96.90	98.75	98.32	98.81	98.77	98.46	98.19	97.72	96.42	97.27
3	/	96.74	96.69	98.96	98.72	98.48	98.39	98.15	98.32	97.96	96.62	97.29
4	/	96.80	96.75	100.25	98.74	98.51	98.41	98.40	98.01	97.96	96.98	96.72
5	/	96.75	97.67	99.05	98.33	98.40	98.16	98.19	98.04	97.84	98.19	96.70
6	/	97.35	96.85	97.91	98.39	98.55	98.42	98.01	98.02	97.90	98.15	97.92
7	/	98.37	96.98	98.16	98.44	98.86	98.52	97.98	97.98	97.83	97.26	97.87
8	/	97.50	96.92	97.96	98.42	98.86	98.49	98.05	98.02	97.82	97.43	97.01
9	/	97.35	97.68	98.26	98.58	98.82	98.44	98.54	98.05	97.74	96.54	96.80
10	/	96.83	96.80	98.39	98.75	98.93	98.14	98.30	98.04	97.65	95.86	97.47
11	/	97.07	96.72	98.71	98.76	98.92	98.08	98.19	98.01	97.95	96.71	96.95
12	/	97.33	96.93	98.47	98.73	98.76	98.52	98.03	98.01	98.00	97.64	96.82
13	/	97.30	97.68	98.79	98.66	98.67	98.08	98.17	98.02	97.72	97.75	97.35
14	/	97.12	98.13	98.64	98.65	98.91	97.97	98.08	98.01	98.13	97.04	97.81
15	/	96.94	97.61	98.77	98.64	98.91	98.02	98.18	98.00	98.57	97.72	97.19
16	/	96.97	97.31	98.79	98.70	98.98	98.00	98.40	97.71	97.73	97.30	97.31
17	/	96.59	97.68	98.90	98.79	98.87	98.06	98.29	97.71	97.75	96.80	97.03
18	/	96.49	97.51	99.01	98.68	98.76	98.07	98.27	97.74	97.76	96.30	96.61
19	97.00*	96.70	97.49	98.74	98.77	98.80	98.40	98.25	98.04	97.79	96.28	97.44
20	96.67	96.62	97.31	98.80	98.79	98.66	98.09	98.51	97.84	98.31	96.20	97.78
21	96.54	96.54	97.67	98.98	98.57	99.06	98.31	98.06	97.87	98.48	96.67	97.83
22	96.40	96.60	98.08	98.71	98.13	98.97	98.14	98.37	97.74	97.71	96.19	97.52
23	97.77	96.65	97.77	98.79	98.26	98.96	98.07	98.48	98.26	97.73	96.55	97.30
24	99.64	96.41	97.70	98.72	98.72	98.91	97.96	98.18	98.19	97.72	97.33	97.23
25	97.58	96.91	97.75	98.46	98.71	98.86	98.10	98.29	97.81	97.74	97.86	97.55
26	96.96	96.97	98.09	98.71	98.69	98.50	98.35	98.20	97.72	97.74	97.57	97.92
27	96.83	96.84	98.07	98.83	98.66	98.39	98.05	98.09	97.77	97.76	96.74	97.55
28	97.01	96.83	97.86	98.58	98.69	98.79	98.16	97.97	97.79	97.75	96.69	98.20
29	96.79		97.75	98.43	98.61	98.75	98.28	98.01	97.88	97.78	97.65	99.04
30	96.60		97.66	98.26	98.58	98.73	98.20	98.00	97.97	97.83	97.45	98.24
31	96.30		98.02		98.53		98.22	98.06		97.79		97.76
MEAN	97.08	96.97	97.45	98.70	98.59	98.77	98.24	98.20	97.96	97.87	97.03	97.44
MAX.	101.11	100.26	99.45	102.45	100.03	100.17	100.03	100.12	99.92	100.20	100.31	102.28
	2200/23	1700/07	2300/31	1400/04	1900/24	1000/21	1100/02	1100/20	1800/03	1000/15	2300/12	0100/29
MIN.	95.80	96.06	96.44	95.74	95.78	96.64	95.75	95.76	95.75	95.78	95.66	96.00
	1700/31	1000/24	0200/03	0100/08	0500/02	0500/04	0100/13	2400/26	2400/15	2400/26	0400/09	0400/18

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

/ Indicates No Data.

ANNUAL MEAN: 97.86

ANNUAL SUMMARY OF LEVELS, 1982

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

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	170.30	Dec	170.18	Jan
Daily mean elevation:	170.58	29 Dec	169.88	22 Jan
Instant/hourly elevation:	170.78	2300/20 Oct	169.73	2100/11 May

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
170.51	5 Jan
170.31	26 Feb
170.40	28 Mar
170.44	1 Apr
170.36	8 May
170.33	21 Jun
170.35	31 Jul
170.36	9 Aug
170.37	23 Sep
170.38	20 Oct
170.40	6 Nov
170.58	29 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
169.88	22 Jan
170.05	11 Feb
170.02	4 Mar
170.03	6 Apr
170.04	11 May
170.21	30 Jun
170.16	3 Jul
170.24	28 Aug
170.22	7 Sep
170.24	10 Oct
170.23	30 Nov
170.22	27 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
170.55													170.55	1
170.50	1											1	170.50	2
170.45													170.45	3
170.40	2			2								1	170.40	7
170.35	1		5		2			1	1	4	3		170.35	27
170.30	2	1	3	1	6	4	1	5	5	9	2	3	170.30	70
170.25	4	7	8	8	10	15	6	17	23	15	16	4	170.25	211
170.20	4	4	7	10	9	11	16	8	1	3	9	12	170.20	303
170.15	3	7	5	5	1		8					10	170.15	332
170.10	4	7	1	1	2								170.10	347
170.05	2	1	1	2									170.05	353
170.00	4	1	1	1	1								170.00	361
169.95	1												169.95	362
169.90	1												169.90	363
169.85	2												169.85	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	170.29	170.29	170.23	170.44	170.30	170.31	170.19	170.33	170.26	170.32	170.27	170.26
2	170.22	170.11	170.15	170.26	170.18	170.30	170.22	170.31	170.28	170.29	170.25	170.23
3	170.22	170.14	170.08	170.34	170.22	170.27	170.16	170.27	170.30	170.36	170.30	170.24
4	170.30	170.14	170.02	170.41	170.21	170.28	170.18	170.32	170.28	170.31	170.32	170.25
5	170.51	170.15	170.20	170.23	170.13	170.26	170.19	170.26	170.30	170.36	170.40	170.28
6	170.26	170.25	170.18	170.03	170.26	170.31	170.20	170.25	170.30	170.33	170.40	170.37
7	170.19	170.30	170.20	170.11	170.36	170.31	170.20	170.28	170.22	170.28	170.28	170.36
8	170.37	170.18	170.19	170.20	170.36	170.26	170.23	170.33	170.28	170.31	170.26	170.22
9	170.41	170.21	170.33	170.16	170.30	170.25	170.22	170.36	170.30	170.26	170.25	170.26
10	170.31	170.19	170.24	170.24	170.15	170.23	170.20	170.34	170.29	170.24	170.27	170.26
11	170.35	170.05	170.22	170.29	170.04	170.25	170.21	170.29	170.29	170.33	170.29	170.22
12	170.24	170.11	170.22	170.26	170.30	170.23	170.26	170.27	170.30	170.32	170.23	170.30
13	170.19	170.26	170.29	170.27	170.27	170.26	170.22	170.30	170.29	170.31	170.28	170.33
14	170.15	170.21	170.39	170.06	170.32	170.26	170.23	170.30	170.29	170.30	170.29	170.30
15	170.15	170.25	170.28	170.26	170.21	170.27	170.23	170.29	170.26	170.37	170.29	170.25
16	170.22	170.29	170.23	170.24	170.22	170.29	170.23	170.26	170.27	170.28	170.27	170.33
17	170.29	170.12	170.29	170.24	170.22	170.29	170.25	170.28	170.27	170.28	170.26	170.29
18	170.17	170.16	170.24	170.23	170.22	170.27	170.26	170.24	170.32	170.30	170.26	170.29
19	170.03	170.18	170.26	170.23	170.24	170.26	170.24	170.28	170.28	170.31	170.27	170.28
20	169.98	170.15	170.19	170.26	170.27	170.26	170.22	170.29	170.28	170.38	170.27	170.30
21	169.88	170.19	170.30	170.23	170.25	170.33	170.22	170.24	170.27	170.35	170.23	170.35
22	169.88	170.19	170.40	170.17	170.23	170.25	170.23	170.26	170.30	170.25	170.25	170.24
23	170.13	170.18	170.32	170.22	170.27	170.28	170.20	170.29	170.37	170.27	170.25	170.22
24	170.43	170.09	170.27	170.22	170.32	170.23	170.22	170.24	170.33	170.25	170.26	170.25
25	170.05	170.28	170.29	170.10	170.29	170.23	170.27	170.27	170.30	170.26	170.31	170.28
26	169.94	170.31	170.40	170.29	170.30	170.23	170.24	170.25	170.30	170.26	170.25	170.35
27	170.01	170.26	170.38	170.23	170.30	170.23	170.24	170.24	170.28	170.27	170.23	170.22
28	170.10	170.26	170.40	170.16	170.31	170.26	170.27	170.24	170.33	170.27	170.26	170.38
29	170.11		170.28	170.30	170.35	170.25	170.27	170.26	170.32	170.29	170.36	170.58
30	170.09		170.24	170.18	170.31	170.21	170.28	170.25	170.33	170.29	170.23	170.46
31	170.01		170.34		170.34		170.35	170.27		170.26		170.27
MEAN	170.18	170.20	170.26	170.23	170.26	170.26	170.23	170.28	170.29	170.30	170.28	170.30
MAX.	170.72	170.53	170.54	170.75	170.64	170.50	170.49	170.55	170.52	170.78	170.61	170.74
	2300/08	0700/01	2200/31	2300/03	0700/08	0700/07	0700/31	0600/09	0600/23	2300/20	0100/06	2300/28
MIN.	169.80	169.97	169.91	169.76	169.73	169.92	169.91	169.95	169.94	169.97	170.12	170.12
	0100/23	0100/01	1200/04	2200/24	2100/11	2100/24	2100/04	2100/22	2100/07	2000/31	1300/12	0800/10

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

/ Indicates No Data.

ANNUAL MEAN: 170.26

ANNUAL SUMMARY OF LEVELS, 1982

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

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	171.21	Apr	171.04	Nov
Daily mean elevation:	171.62	11 Jan	170.56	22 Jan
Instant/hourly elevation:	172.03	0900/11 Jan	170.30	0100/23 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
171.62	11 Jan
171.42	7 Feb
171.26	28 Mar
171.49	4 Apr
171.28	1 May
171.23	21 Jun
171.24	31 Jul
171.24	9 Aug
171.19	23 Sep
171.23	20 Oct
171.23	5 Nov
171.52	29 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
170.56	22 Jan
170.90	24 Feb
170.86	4 Mar
170.90	6 Apr
170.95	10 May
171.10	27 Jun
171.08	1 Jul
171.09	30 Aug
171.05	7 Sep
171.04	10 Oct
170.97	21 Nov
170.97	8 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
171.60	1												171.60	1
171.55	1												171.55	2
171.50												1	171.50	3
171.45				1									171.45	4
171.40	2	1		2									171.40	9
171.35	1			1									171.35	11
171.30												1	171.30	12
171.25	2	1	2	4	2							1	171.25	24
171.20	2	3	3	6	3	1	4	2		2	2		171.20	52
171.15	1	3	2	3	7	8	16	8	2	3	1	4	171.15	110
171.10	4	4	4	8	8	18	9	14	17	12	1	4	171.10	213
171.05	1	3	5	2	3	3	2	7	10	11	3	6	171.05	269
171.00	5	6	7	1	2				1	3	14	11	171.00	319
170.95	3	6	6		4						9	3	170.95	350
170.90	3		1		1								170.90	355
170.85		1	1	1									170.85	358
170.80	2												170.80	360
170.75	1												170.75	361
170.70													170.70	361
170.65	1												170.65	362
170.60													170.60	362
170.55	1												170.55	363

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	171.14	171.27	171.05	171.45*	171.28*	171.18	171.08	171.19	171.10	171.13	171.02	171.03
2	171.01	170.99	170.96	171.15*	/	171.17	171.16	171.19	171.13	171.09	170.99	171.00
3	171.02	171.08	170.93	171.41*	170.99*	171.11	171.09	171.14	171.16	171.18	171.05	171.03
4	171.22	171.04	170.86	171.49*	171.11	171.14	171.12	171.20	171.12	171.12	171.09	171.02
5	171.45	171.00	171.06	171.14*	171.22	171.11	171.12	171.12	171.14	171.18	171.23	171.05
6	171.10	171.12	170.97	170.90	171.26	171.16	171.15	171.10	171.14	171.14	171.22	171.19
7	171.01	171.42	171.00	171.04	171.25	171.18	171.16	171.12	171.05	171.09	171.04	171.16
8	171.26	171.25	171.01	171.19	171.06	171.13	171.19	171.17	171.11	171.11	171.04	170.97
9	171.29	171.18	171.16	171.24	171.03	171.11	171.18	171.24	171.14	171.06	170.99	171.01
10	171.38	171.10	171.04	171.29	170.95	171.11	171.14	171.21	171.13	171.04	171.00	171.02
11	171.62	171.02	170.99	171.27	170.96	171.12	171.15	171.15	171.12	171.15	171.04	170.99
12	171.25	171.17	170.99	171.23	170.97	171.10	171.22	171.12	171.13	171.13	171.02	171.10
13	171.00	171.18	171.12	171.25	170.97	171.12	171.17	171.16	171.12	171.11	171.07	171.15
14	170.93	171.12	171.23	171.40	171.07	171.14	171.17	171.16	171.12	171.13	171.05	171.13
15	170.95	171.21	171.07	171.22	171.01	171.16	171.17	171.15	171.08	171.21	171.09	171.04
16	171.18	171.22	171.01	171.22*	171.15	171.17	171.18	171.13	171.08	171.08	171.04	171.15
17	171.44	170.99	171.11	/	171.11	171.18	171.20	171.15	171.08	171.08	171.01	171.08
18	171.05	171.04	171.04	171.08*	171.11	171.12*	171.22	171.11	171.13	171.11	171.00	171.07
19	170.80	171.05	171.05	171.09	171.11	171.15	171.21	171.15	171.10	171.11	171.01	171.08
20	170.81	171.00	170.97	171.13	171.13	171.15	171.16	171.17	171.09	171.23	171.01	171.12
21	170.70	170.99	171.12	171.14	171.11	171.23	171.16	171.10	171.08	171.19	170.97	171.17
22	170.56	171.01	171.25	171.13	171.07	171.15	171.16	171.13	171.11	171.05	170.98	171.04
23	171.00	171.00	171.13	171.11	171.11	171.17	171.11	171.17	171.19	171.08	171.00	171.03
24	171.60	170.90	171.08	171.12	171.18	171.12	171.11	171.10	171.14	171.05	171.05	171.05
25	171.14	171.14	171.10	171.28	171.16	171.12	171.18	171.15	171.10	171.06	171.11	171.10
26	170.91	171.14	171.26	171.30	171.17	171.10	171.15	171.11	171.10	171.07	171.04	171.19
27	171.02	171.08	171.23	171.21	171.16	171.10	171.12	171.09	171.08	171.08	170.99	171.03
28	171.11	171.05	171.26	171.13	171.17	171.15	171.16	171.09	171.14	171.08	171.01	171.27
29	171.14*		171.10	171.18	171.21	171.15	171.17	171.10	171.13	171.11	171.16	171.52
30	170.99*		171.04	171.17	171.17	171.11	171.17	171.09	171.13	171.11	171.00	171.34
31	170.83		171.18		171.19		171.24	171.11		171.08		171.10
MEAN	171.09	171.10	171.08	171.21	171.11	171.14	171.16	171.14	171.12	171.11	171.04	171.10
MAX.	172.03	171.63	171.46	171.75	171.53	171.47	171.52	171.46	171.41	171.68	171.50	171.81
	0900/11	0800/01	2200/31	2200/03	0700/07	0800/21	0700/12	0700/20	0700/23	2400/20	2200/05	0100/29
MIN.	170.30	170.76	170.73	170.54	170.52	170.78	170.85	170.77	170.76	170.76	170.89	170.86
	0100/23	1400/24	1200/04	2200/06	2100/09	2100/12	2100/24	2100/06	1900/27	1900/17	1000/12	0700/10

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

/ Indicates No Data.

ANNUAL MEAN: 171.12

ANNUAL SUMMARY OF LEVELS, 1982

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

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	172.47	Apr	172.26	Feb
Daily mean elevation:	172.88	4 Jan	171.94	31 Jan
Instant/hourly elevation:	173.76	2000/10 Jan	171.67	1600/31 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
172.88	4 Jan
172.50	1 Feb
172.47	26 Mar
172.86	4 Apr
172.45	9 May
172.42	15 Jun
	Jul
	Aug
	Sep
	Oct
	Nov
	Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
171.94	31 Jan
171.98	17 Feb
172.16	6 Mar
172.32	2 Apr
172.25	22 May
172.30	3 Jun
	Jul
	Aug
	Sep
	Oct
	Nov
	Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
172.85	1			1									172.85	2
172.80	1												172.80	3
172.75													172.75	3
172.70	3			1									172.70	7
172.65													172.65	7
172.60				1									172.60	8
172.55	1			3									172.55	12
172.50	2			4									172.50	18
172.45	1	2	1	4									172.45	26
172.40	2	3	4	5	12	5							172.40	57
172.35	4	2	2	9	11	7							172.35	92
172.30	3		6	2	6	2							172.30	111
172.25	3	6	6		1	1							172.25	128
172.20	2	5	3		1								172.20	139
172.15	1	3	9										172.15	152
172.10		5											172.10	157
172.05		1											172.05	158
172.00	2												172.00	160
171.95		1											171.95	161
171.90	1												171.90	162

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	/	172.50	172.26	172.54	172.43	172.41	/	/	/	/	/	/
2	/	172.28	172.16	172.32	172.45	172.41	/	/	/	/	/	/
3	/	172.21	172.18	172.55	172.41	172.30	/	/	/	/	/	/
4	172.88*	172.26	172.16	172.86	172.38	172.34	/	/	/	/	/	/
5	172.56	172.25	172.28	172.71	172.42	172.33	/	/	/	/	/	/
6	172.25	172.36	172.16	172.39	172.43	172.40	/	/	/	/	/	/
7	172.24	172.48	172.20	172.63	172.44	172.42	/	/	/	/	/	/
8	172.53	172.45	172.23	172.57	172.45	172.41	/	/	/	/	/	/
9	172.37	172.28	172.29	172.51	172.45	172.38	/	/	/	/	/	/
10	172.72*	172.42	172.18	172.56	172.43	172.40	/	/	/	/	/	/
11	/	172.39	172.17	172.57	172.39	172.39	/	/	/	/	/	/
12	172.50*	172.42	172.17	172.46	172.43	172.37	/	/	/	/	/	/
13	172.39	172.26	172.33	172.50	172.43	172.40	/	/	/	/	/	/
14	172.34	172.22	172.36	172.52	172.41	172.40	/	/	/	/	/	/
15	172.40	172.24	172.19	172.41	172.39	172.42*	/	/	/	/	/	/
16	172.71	172.20	172.21	172.39	172.38	/	/	/	/	/	/	/
17	172.75	171.98	172.34	172.47	172.35	/	/	/	/	/	/	/
18	172.41	172.12	172.29	172.41	172.32	/	/	/	/	/	/	/
19	172.31	172.18	172.30	172.34	172.35	/	/	/	/	/	/	/
20	172.27	172.14	172.22	172.38	172.36	/	/	/	/	/	/	/
21	172.04	172.14	172.39	172.42	172.29	/	/	/	/	/	/	/
22	172.05	172.16	172.44	172.38	172.25	/	/	/	/	/	/	/
23	172.51	172.15	172.35	172.37	172.33	/	/	/	/	/	/	/
24	172.83	172.08	172.32	172.38	172.37	/	/	/	/	/	/	/
25	172.41	172.30	172.34	172.47	172.36	/	/	/	/	/	/	/
26	172.30	172.30	172.47	172.45	172.35	/	/	/	/	/	/	/
27	172.30	172.23	172.45	172.44	172.34	/	/	/	/	/	/	/
28	172.36	172.15	172.42	172.38	172.37	/	/	/	/	/	/	/
29	172.32		172.32	172.40	172.39	/	/	/	/	/	/	/
30	172.18		172.30	172.40	172.39	/	/	/	/	/	/	/
31	171.94		172.43		172.39		/	/		/		/
MEAN	172.40	172.26	172.29	172.47	172.38	172.39	/	/	/	/	/	/
MAX.	173.76	172.92	172.74	173.03	172.58	172.52						
	2000/10	0700/01	2000/31	2000/04	1000/08	0800/01						
MIN.	171.67	171.94	172.07	171.90	172.17	172.22						
	1600/31	1500/17	0100/09	0400/06	0300/22	2100/03						

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

/ Indicates No Data.

ANNUAL MEAN: 172.36

ANNUAL SUMMARY OF LEVELS, 1982

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

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	174.44	Apr	174.04	Feb
Daily mean elevation:	175.12	11 Jan	173.68	31 Jan
Instant/hourly elevation:	176.16	1900/10 Jan	173.10	0300/6 Apr

HIGHEST DAILY MEAN FOR EACH MONTH		LOWEST DAILY MEAN FOR EACH MONTH	
Elev.	Date	Elev.	Date
175.12	11 Jan	173.68	31 Jan
174.31	1 Feb	173.70	17 Feb
174.47	31 Mar	174.01	4 Mar
174.89	4 Apr	174.13	6 Apr
174.42	2 May	174.22	22 May
174.53	21 Jun	174.26	3 Jun
174.49	12 Jul	174.25	27 Jul
174.39	9 Aug	174.14	31 Aug
174.34	3 Sep	173.97	7 Sep
174.46	20 Oct	173.90	9 Oct
174.58	5 Nov	173.88	22 Nov
174.62	28 Dec	174.03	17 Dec

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

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
175.10	1												175.10	1
175.05													175.05	1
175.00	1												175.00	2
174.95													174.95	2
174.90													174.90	2
174.85				1									174.85	3
174.80													174.80	3
174.75				1									174.75	4
174.70	1												174.70	5
174.65													174.65	5
174.60	1											1	174.60	7
174.55	1										1		174.55	9
174.50				2		1							174.50	12
174.45			1	7		1	1			1		1	174.45	24
174.40	2		2	7	5	15	7				1		174.40	63
174.35	2		2	9	16	10	14	5		1	1	1	174.35	124
174.30	1	1	5		8	2	7	5	1		2	3	174.30	159
174.25			5			1	1	12		1		5	174.25	184
174.20	2			2	2		1	3	4		1	2	174.20	201
174.15	1	1	4					5	4	1	5		174.15	222
174.10	3	1	3	1				1	8	7	5	8	174.10	259
174.05	1	8	5						11	5	2	9	174.05	300
174.00	6	13	4						1	5	4	1	174.00	334
173.95	5	2							1	8	6		173.95	356
173.90										1			173.90	357
173.85		1								1	2		173.85	361
173.80													173.80	361
173.75	2												173.75	363
173.70													173.70	363
173.65	1	1											173.65	365
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INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	174.37	174.31	174.14	174.45	174.42	174.42	174.42	174.37	174.17	174.14	173.99	174.08
2	173.98	174.01	174.05	174.25	174.42	174.43	174.43	174.36	174.21	174.01	174.03	174.06
3	174.13	174.03	174.04	174.79	174.41	174.26	174.38	174.29	174.34	174.14	174.07	174.11
4	174.72	174.08	174.01	174.89	174.38	174.32	174.36	174.36	174.23	174.04	174.13	174.09
5	174.39	174.04	174.19	174.23	174.36	174.31	174.38	174.28	174.18	174.08	174.58	174.07
6	174.20	174.20	174.07	174.13	174.38	174.38	174.39	174.23	174.14	174.07	174.34	174.33
7	174.23	174.14	174.11	174.45	174.40	174.40	174.45	174.28	173.97	174.14	174.18	174.26
8	174.62	174.07	174.07	174.40	174.41	174.41	174.42	174.32	174.09	174.10	174.17	174.07
9	174.23	174.06	174.18	174.37	174.41	174.38	174.40	174.39	174.14	173.90	173.98	174.07
10	175.02	174.08	174.06	174.46	174.40	174.43	174.36	174.36	174.12	174.00	173.90	174.34
11	175.12	174.04	174.08	174.49	174.38	174.40	174.44	174.31	174.11	174.14	174.11	174.14
12	174.10	174.03	174.08	174.36	174.40	174.39	174.49	174.28	174.10	174.14	174.45	174.10
13	174.02	174.04	174.31	174.48	174.38	174.42	174.38	174.29	174.10	174.13	174.16	174.24
14	174.05	174.02	174.20	174.43	174.35	174.41	174.35	174.27	174.12	174.40	174.11	174.26
15	174.13	174.03	174.05	174.39	174.35	174.47	174.36	174.26	174.07	174.28	174.19	174.10
16	174.43	173.98	174.14	174.40	174.37	174.38	174.36	174.26	174.16	174.19	174.13	174.15
17	174.34	173.70	174.29	174.54	174.35	174.43	174.39	174.26	174.07	174.06	173.99	174.03
18	174.01	173.98	174.26	174.46	174.34	174.40	174.42	174.25	174.21	174.07	173.97	174.10
19	173.97	174.09	174.27	174.40	174.39	174.45	174.39	174.32	174.07	174.05	173.97	174.12
20	173.99	174.05	174.18	174.46	174.38	174.43	174.35	174.35	174.17	174.46	174.00	174.35
21	173.76	174.05	174.44	174.53	174.25	174.53	174.36	174.20	174.08	174.14	174.06	174.26
22	173.77	174.06	174.37	174.48	174.22	174.43	174.34	174.27	174.09	173.99	173.88	174.14
23	174.43	174.04	174.32	174.48	174.33	174.45	174.30	174.29	174.21	173.99	174.04	174.13
24	174.60	173.87	174.30	174.44	174.36	174.41	174.33	174.19	174.15	173.94	174.20	174.14
25	174.05	174.07	174.33	174.41	174.35	174.42	174.39	174.32	174.07	173.96	174.36	174.22
26	174.04	174.08	174.44	174.41	174.33	174.36	174.35	174.26	174.07	173.97	174.21	174.26
27	173.99	174.05	174.39	174.42	174.32	174.36	174.25	174.25	174.07	173.96	174.04	174.13
28	174.15	174.01	174.35	174.39	174.37	174.36	174.39	174.19	174.12	173.96	174.02	174.62
29	174.00		174.31	174.39	174.39	174.41	174.33	174.16	174.05	174.03	174.35	174.49
30	174.01		174.30	174.39	174.39	174.43	174.32	174.16	174.11	174.01	174.11	174.36
31	173.68		174.47		174.39		174.41	174.14		173.98		174.28
MEAN	174.21	174.04	174.22	174.44	174.37	174.40	174.38	174.27	174.13	174.08	174.12	174.20
MAX.	176.16	175.53	174.94	175.74	174.55	174.97	174.68	174.77	174.58	175.48	175.48	175.57
	1900/10	0300/01	2000/31	1800/03	0600/28	2200/15	0200/12	0700/25	1500/03	1800/20	2000/12	2300/28
MIN.	173.15	173.53	173.88	173.10	174.10	174.02	174.12	174.00	173.71	173.64	173.72	173.88
	1500/31	0900/17	0500/04	0300/06	0500/22	0900/03	2000/27	1300/31	0400/27	1900/09	1200/22	0500/05

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

/ Indicates No Data.

ANNUAL MEAN: 174.24

ANNUAL SUMMARY OF LEVELS, 1982

Station 3028: Sturgeon Point, New York on Lake Erie

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	174.46	Apr	174.05	Feb
Daily mean elevation:	175.00	11 Jan	173.70	31 Jan
Instant/hourly elevation:	175.74	1900/10 Jan	173.20	1500/31 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
175.00	11 Jan
174.32	1 Feb
174.47	31 Mar
174.90	4 Apr
174.52	16 May
174.46	21 Jun
174.47	12 Jul
174.37	9 Aug
174.31	3 Sep
174.37	20 Oct
174.51	5 Nov
174.54	28 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
173.70	31 Jan
173.72	17 Feb
174.02	4 Mar
174.17	6 Apr
174.38	5 May
174.36	28 Jun
174.25	27 Jul
174.14	31 Aug
173.99	7 Sep
173.91	9 Oct
173.91	22 Nov
174.04	17 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
174.95	1												174.95	1
174.90													174.90	1
174.85	1			1									174.85	3
174.80													174.80	3
174.75				1									174.75	4
174.70													174.70	4
174.65													174.65	4
174.60	1												174.60	5
174.55	2			2									174.55	9
174.50				3	1						1	1	174.50	15
174.45	1		1	7		1	1						174.45	26
174.40	1		2	11	11	4	5					1	174.40	61
174.35	1		2	2	4	5	13	1		2	1		174.35	92
174.30	2	1	7				10	6	1			2	174.30	121
174.25			3	1			1	10			3	4	174.25	143
174.20	2	1		1			1	9	1	1		4	174.20	163
174.15	3		5	1				3	5	1	3	2	174.15	186
174.10	2	1	2					2	9	6	4	8	174.10	220
174.05	3	12	7						13	4	5	8	174.05	272
174.00	6	9	2							6	5	1	174.00	301
173.95	2	2							1	9	6		173.95	321
173.90										2	2		173.90	325
173.85		1											173.85	326
173.80													173.80	326
173.75	2												173.75	328
173.70		1											173.70	329
173.65	1												173.65	330

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

Station 3028: Sturgeon Point, New York on Lake Erie

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	174.34	174.32	174.15	174.46	174.43	/	174.42	174.35	174.17	174.13	173.99	174.07
2	173.98	174.03	174.06	174.27	174.43	/	174.42	174.35	174.20	174.02	174.03	174.06
3	174.12	174.04	174.05	174.77	174.42	/	174.37	174.29	174.31	174.13	174.07	174.10
4	174.63	174.09	174.02	174.90	174.39	/	174.36	174.35	174.21	174.05	174.13	174.09
5	174.33	174.06	174.19	174.25	174.38	/	174.38	174.28	174.16	174.08	174.51	174.07
6	174.18	174.21	174.08	174.17	174.39	/	174.39	174.23	174.13	174.07	174.30	174.30
7	174.22	174.15	174.11	174.46	174.41	/	174.43	174.28	173.99	174.12	174.15	174.24
8	174.56	174.08	174.07	174.42	174.42	/	174.40	174.30	174.09	174.10	174.14	174.08
9	174.23	174.07	174.19	174.39	174.42	/	174.39	174.37	174.12	173.91	173.99	174.08
10	174.90	174.08	174.07	174.48	174.41	/	174.36	174.35	174.11	174.00	173.92	174.29
11	175.00	174.05	174.08	174.52	174.44	/	174.42	174.30	174.10	174.13	174.08	174.14
12	174.14	174.04	174.08	174.39	174.43	/	174.47	174.28	174.09	174.14	174.37	174.11
13	174.06	174.05	174.31	174.49	174.39	/	174.37	174.28	174.09	174.12	174.14	174.21
14	174.09	174.03	174.19	174.45	174.45	/	174.35	174.26	174.12	174.36	174.10	174.22
15	174.17	174.03	174.06	174.41	174.42	/	174.35	174.25	174.07	174.24	174.18	174.10
16	174.46	174.00	174.16	174.42	174.52*	/	174.35	174.25	174.15	174.19	174.10	174.16
17	174.36	173.72	174.30	174.57	/	/	174.38	174.25	174.07	174.05	173.99	174.04
18	174.05	173.99	174.27	174.50	/	/	174.41	174.24	174.20	174.05	173.97	174.11
19	174.01	174.10	174.28	174.44	/	/	174.38	174.29	174.07	174.05	173.97	174.11
20	174.02	174.06	174.20	174.49	/	/	174.35	174.33	174.15	174.37	174.00	174.35
21	173.79	174.06	174.45	174.57	/	174.46*	174.35	174.21	174.08	174.10	174.05	174.26
22	173.80	174.07	174.37	174.52	/	174.43	174.33	174.25	174.09	174.00	173.91	174.13
23	174.42	174.05	174.33	174.53	/	174.45	174.29	174.27	174.19	173.99	174.05	174.13
24	174.60	173.90	174.31	174.48	/	174.40	174.32	174.19	174.14	173.94	174.18	174.14
25	174.06	174.07	174.34	174.44	/	174.41	174.37	174.32	174.06	173.96	174.30	174.20
26	174.05	174.09	174.43	174.44	/	174.36	174.34	174.24	174.07	173.97	174.19	174.25
27	174.00	174.06	174.39	174.45	/	174.36	174.25	174.25	174.07	173.96	174.05	174.14
28	174.16	174.02	174.35	174.42	/	174.36	174.37	174.19	174.12	173.96	174.02	174.54
29	174.01		174.32	174.42	/	174.40	174.32	174.16	174.06	174.02	174.30	174.45
30	174.03		174.31	174.41	/	174.43	174.31	174.15	174.11	173.99	174.10	174.35
31	173.70		174.47		/		174.39	174.14		173.98		174.26
MEAN	174.21	174.05	174.23	174.46	174.42	174.41	174.37	174.27	174.12	174.07	174.11	174.19
MAX.	175.74	175.35	174.85	175.66	174.86	174.60	174.65	174.84	174.54	175.27	175.23	175.35
	1900/10	0300/01	2000/31	2000/03	0200/11	0800/22	0200/12	0700/25	0500/18	1800/20	2000/12	2300/28
MIN.	173.20	173.57	173.90	173.22	174.21	174.30	174.14	173.98	173.78	173.71	173.78	173.89
	1500/31	0900/17	0500/04	0300/06	0900/11	1300/27	2200/27	1300/31	2400/06	1900/09	0500/10	0600/05

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

/ Indicates No Data.

ANNUAL MEAN: 174.24

ANNUAL SUMMARY OF LEVELS, 1982

Station 3032: Barcelona, New York on Lake Erie

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	174.45	Apr	174.05	Feb
Daily mean elevation:	174.81	4 Apr	173.74	17 Feb
Instant/hourly elevation:	175.40	1900/3 Apr	173.39	1600/31 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
174.79	11 Jan
174.25	1 Feb
174.43	31 Mar
174.81	4 Apr
174.42	8 May
174.47	21 Jun
174.44	12 Jul
174.35	9 Aug
174.27	3 Sep
174.30	14 Oct
174.38	5 Nov
174.45	28 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
173.77	31 Jan
173.74	17 Feb
174.04	4 Mar
174.24	6 Apr
174.26	22 May
174.28	3 Jun
174.27	27 Jul
174.14	31 Aug
174.01	7 Sep
173.95	9 Oct
173.92	10 Nov
174.06	2 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
174.80				1									174.80	1
174.75	1												174.75	2
174.70													174.70	2
174.65	1			1									174.65	4
174.60													174.60	4
174.55													174.55	4
174.50				2									174.50	6
174.45	1			8		1							174.45	16
174.40	2		3	13	5	14	3					1	174.40	57
174.35			2	2	18	12	14				1	1	174.35	107
174.30	2		5		6	2	13	6				2	174.30	143
174.25	3		5	2	2	1	1	10	1	2	1		174.25	171
174.20	1	1	1	1				10		1	3	5	174.20	194
174.15	2	1	4					3	4	1	2	4	174.15	215
174.10	4	1	1					2	11	4	3	9	174.10	250
174.05	3	11	8						13	7	7	9	174.05	308
174.00	7	10	2						1	6	5		174.00	339
173.95	1	2								9	6		173.95	357
173.90										1	2		173.90	360
173.85	1	1											173.85	362
173.80	1												173.80	363
173.75	1												173.75	364
173.70		1											173.70	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

Station 3032: Barcelona, New York on Lake Erie

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	174.26	174.25	174.14	174.44	174.42	174.41	174.41	174.34	174.16	174.12	173.99	174.07
2	174.01	174.03	174.06	174.27	174.42	174.42	174.40	174.35	174.19	174.04	174.03	174.06
3	174.11	174.04	174.04	174.67	174.42	174.28	174.37	174.28	174.27	174.11	174.07	174.09
4	174.49	174.08	174.04	174.81	174.39	174.33	174.36	174.33	174.20	174.06	174.13	174.10
5	174.29	174.06	174.17	174.26	174.38	174.36	174.38	174.28	174.14	174.08	174.38	174.07
6	174.16	174.18	174.08	174.24	174.39	174.41	174.38	174.24	174.13	174.07	174.21	174.23
7	174.19	174.14	174.10	174.45	174.40	174.40	174.42	174.27	174.01	174.10	174.10	174.20
8	174.45	174.07	174.06	174.41	174.42	174.41	174.39	174.30	174.08	174.10	174.10	174.09
9	174.22	174.07	174.18	174.39	174.41	174.38	174.38	174.35	174.12	173.95	173.99	174.10
10	174.69	174.07	174.07	174.46	174.40	174.43	174.37	174.34	174.11	174.01	173.92	174.22
11	174.79	174.05	174.08	174.50	174.39	174.40	174.40	174.29	174.10	174.13	174.05	174.14
12	174.14	174.04	174.08	174.39	174.39	174.39	174.44	174.27	174.09	174.12	174.28	174.13
13	174.06	174.04	174.29	174.47	174.39	174.41	174.37	174.27	174.10	174.10	174.14	174.18
14	174.09	174.03	174.18	174.44	174.36	174.40	174.35	174.26	174.11	174.30	174.08	174.17
15	174.15	174.03	174.08	174.41	174.35	174.45	174.35	174.25	174.09	174.21	174.15	174.09
16	174.35	174.00	174.17	174.42	174.37	174.39	174.35	174.24	174.15	174.18	174.07	174.15
17	174.27	173.74	174.28	174.52	174.36	174.41	174.38	174.25	174.08	174.05	174.00	174.07
18	174.05	174.00	174.26	174.48	174.34	174.39	174.40	174.24	174.17	174.03	173.98	174.11
19	174.02	174.09	174.27	174.44	174.37	174.42	174.36	174.26	174.07	174.03	173.97	174.12
20	174.02	174.06	174.21	174.47	174.38	174.41	174.35	174.31	174.13	174.27	173.99	174.33
21	173.86	174.05	174.41	174.54	174.28	174.47	174.35	174.21	174.08	174.07	174.03	174.25
22	173.85	174.06	174.36	174.49	174.26	174.41	174.33	174.21	174.09	174.00	173.93	174.14
23	174.31	174.04	174.32	174.50	174.34	174.42	174.31	174.25	174.15	173.99	174.06	174.12
24	174.45	173.90	174.30	174.46	174.36	174.39	174.31	174.19	174.13	173.96	174.17	174.13
25	174.06	174.06	174.33	174.43	174.35	174.40	174.35	174.28	174.06	173.97	174.22	174.17
26	174.04	174.07	174.41	174.43	174.34	174.36	174.34	174.22	174.07	173.97	174.16	174.22
27	174.00	174.06	174.38	174.45	174.33	174.35	174.27	174.22	174.07	173.96	174.05	174.15
28	174.14	174.03	174.34	174.41	174.37	174.36	174.35	174.19	174.12	173.97	174.02	174.45
29	174.01		174.32	174.41	174.39	174.41*	174.32	174.16	174.07	174.01	174.22	174.39
30	174.03		174.31	174.41	174.39	174.42	174.31	174.15	174.11	173.98	174.09	174.31
31	173.77		174.43		174.39		174.37	174.14		173.98		174.24
MEAN	174.17	174.05	174.22	174.45	174.37	174.40	174.36	174.26	174.12	174.06	174.09	174.17
MAX.	175.38	174.79	174.73	175.40	174.50	174.77	174.60	174.51	174.41	174.92	174.87	174.98
	2100/04	0400/01	1800/31	1900/03	1600/28	2300/15	0300/12	0700/25	0500/18	1700/20	2000/12	2100/28
MIN.	173.39	173.60	173.92	173.52	174.19	174.20	174.16	174.03	173.86	173.75	173.80	173.94
	1600/31	0900/17	0600/04	0400/06	0500/22	1600/03	2300/27	1100/31	0100/07	2300/09	0400/10	0500/05

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

/ Indicates No Data.

ANNUAL MEAN: 174.23

ANNUAL SUMMARY OF LEVELS, 1982
Station 3038: Erie, Pennsylvania on Lake Erie

INTERNATIONAL GREAT LAKES DATUM (1955)

HIGHEST		
Monthly mean elevation:	174.49	Apr
Daily mean elevation:	174.80	4 Apr
Instant/hourly elevation:	175.21	2000/3 Apr

LOWEST		
Monthly mean elevation:	174.08	Oct
Daily mean elevation:	173.97	10 Nov
Instant/hourly elevation:	173.88	2100/9 Oct

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
	Jan
	Feb
174.43	31 Mar
174.80	4 Apr
174.44	30 May
174.47	21 Jun
174.46	1 Jul
174.38	9 Aug
174.26	3 Sep
174.27	14 Oct
174.32	5 Nov
174.40	28 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
	Jan
	Feb
174.06	4 Mar
174.32	2 Apr
174.33	22 May
174.34	3 Jun
174.32	27 Jul
174.18	31 Aug
174.07	7 Sep
173.98	30 Oct
173.97	10 Nov
174.07	2 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
174.75				1									174.75	1
174.70													174.70	1
174.65				1									174.65	1
174.60				1									174.60	2
174.55				2									174.55	3
174.50				13		1	1						174.50	5
174.45			3	8	18	23	4						174.45	20
174.40			4		11	5	18	1				2	174.40	76
174.35			4	1	2	1	6	7			1	1	174.35	117
174.30			4					14	1	1		1	174.30	140
174.25			3					6	1	1	1	4	174.25	161
174.20			2					3	5	3	4	6	174.20	177
174.15			4						17	8	4	10	174.15	200
174.10			6						6	5	8	7	174.10	243
174.05										6	6		174.05	275
174.00										7	6		174.00	287
173.95													173.95	300

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

Station 3038: Erie, Pennsylvania on Lake Erie

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	/	/	/	174.45	174.44*	174.42	174.46*	174.27	174.18	174.15	174.01	174.08
2	/	/	174.07	174.32	174.43	174.43	174.38*	174.35	174.21	174.10	174.05	174.07
3	/	/	174.06	174.65	174.42	174.34	174.38*	174.31	174.26	174.15	174.07	174.10
4	/	/	174.06	174.80	174.41	174.38	174.36*	174.26	174.20	174.10	174.14	174.10
5	/	/	174.16	174.42*	174.40	174.42	174.38	174.30	174.16	174.12	174.32	174.08
6	/	/	174.09	/	174.42	174.45	174.38*	174.29	174.15	174.11	174.17	174.22
7	/	/	174.10	/	174.42	174.43	/	174.32	174.07	174.14	174.08	174.19
8	/	/	174.08	/	174.44	174.43	174.40	174.34	174.13	174.13	174.09	174.12
9	/	/	174.21*	174.45*	174.43	174.41	174.40*	174.38	174.15	174.02	174.01	174.13
10	/	/	174.11*	174.47	174.43	174.44	/	174.35	174.14	174.10*	173.97	174.20
11	/	/	174.12	174.52	174.42	174.42	174.42*	174.32	174.14	174.16	174.05	174.15
12	/	/	174.11	174.44	174.43	174.41	174.43	174.30	174.13	174.15	174.22	174.14
13	/	/	174.28	174.48	174.42	174.42	174.37	174.30	174.13	174.13	174.13	174.16
14	/	/	174.21	174.46	174.40	174.42	174.36	174.29	174.13	174.27	174.08	174.14
15	/	/	174.12	174.44	174.40	174.44	174.37	174.28	174.12	174.20	174.13	174.09
16	/	/	174.19	174.47	174.41	174.39	174.36	174.28	174.17	174.19	174.06	174.16
17	/	/	174.30	174.56	174.39	174.43	174.38	174.28	174.11	174.07	174.00	174.10
18	/	/	174.28	174.49	174.38	174.42	174.38	174.27	174.18	174.03	174.00	174.11
19	/	/	174.29	174.46	174.40	174.44	174.38*	174.27	174.09	174.02	173.99	174.12
20	/	/	174.24	174.50	174.41	174.43	174.35	174.32	174.14	174.21	173.99	174.31
21	/	/	174.40	174.53	174.33	174.47	174.36	174.25	174.11	174.07	174.05	174.24
22	/	/	174.37	174.49	174.33	174.43	174.35*	174.24	174.10	174.01	173.99	174.13
23	/	/	174.35	174.50	174.39	174.44	174.32*	174.26	174.15	174.01	174.08	174.13
24	/	/	174.34	174.49	174.41	174.42	174.33	174.21	174.13	173.98	174.16	174.14
25	/	/	174.36	174.48	174.39	174.42	174.35	174.30	174.08	173.99	174.18	174.17
26	/	/	174.43	174.48	174.38	174.39	174.38*	174.24	174.09	174.00	174.14	174.22
27	/	/	174.41	174.47	174.38	174.39	174.32	174.25	174.11	173.99	174.07	174.17
28	/	/	174.36	174.45	174.40	174.40	174.42	174.22	174.15	173.99	174.03	174.40
29	/		174.35	174.45	174.43	174.42	174.38	174.18	174.10	174.01	174.20	174.36
30	/		174.35	174.44	174.44	174.44	174.37	174.18	174.13	173.98	174.10	174.30
31	/		174.43		174.43		174.41	174.18		173.99		174.24
MEAN	/	/	174.24	174.49	174.41	174.42	174.38	174.28	174.14	174.08	174.09	174.17
MAX.			174.64	175.21	174.52	174.64	174.61	174.49	174.38	174.67	174.63	174.88
			2000/31	2000/03	1500/28	0500/21	0600/28	0700/25	0500/18	1700/20	2100/12	2300/28
MIN.			173.96	174.25	174.25	174.25	174.21	174.07	173.93	173.88	173.89	174.00
			0800/04	2000/02	0300/22	0600/16	2200/27	1100/31	0200/07	2100/09	0500/10	0400/05

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

/ Indicates No Data.

ANNUAL MEAN: 174.27

ANNUAL SUMMARY OF LEVELS, 1982
Station 3053: Fairport Harbor, Ohio on Lake Erie

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	174.48	Apr	174.06	Nov
Daily mean elevation:	174.64	6 Apr	173.97	29 Oct
Instant/hourly elevation:	174.99	0600/6 Apr	173.79	1800/20 Oct

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
174.21	7 Jan
174.14	24 Feb
174.41	26 Mar
174.64	6 Apr
174.47	3 May
174.50	1 Jun
174.44	11 Jul
174.37	3 Aug
174.22	2 Sep
174.16	1 Oct
174.12	24 Nov
174.25	31 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
174.06	17 Jan
174.07	15 Feb
174.10	1 Mar
174.40	1 Apr
174.41	26 May
174.42	28 Jun
174.34	25 Jul
174.20	31 Aug
174.10	24 Sep
173.97	29 Oct
174.02	16 Nov
174.04	14 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
174.60				1									174.60	1
174.55													174.55	1
174.50				2									174.50	3
174.45				23	11	11							174.45	48
174.40			1	3	20	19	17						174.40	108
174.35			8	1			13	2					174.35	132
174.30			4				1	10					174.30	147
174.25			3					8					174.25	158
174.20	1		1					9	3			6	174.20	178
174.15	1		3					2	14	1		9	174.15	208
174.10	10	5	10						12	13	2	10	174.10	270
174.05	2	16	1						1	3	16	5	174.05	314
174.00										10	12	1	174.00	337
173.95										4			173.95	341

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

Station 3053: Fairport Harbor, Ohio on Lake Erie

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	174.14	/	174.10	174.40	174.47	174.50	174.43	174.35	174.21	174.16	174.02	174.10
2	174.14	/	174.11	174.42	174.46	174.46	174.42	174.35	174.22	174.15	174.06	174.11
3	174.15	/	174.12	174.41	174.47	174.46	174.44	174.37	174.21	174.14	174.08	174.10
4	174.11	/	174.15	174.46	174.46	174.43	174.44	174.35	174.18	174.14	174.12	174.13
5	174.12	/	174.12	174.44	174.46	174.49	174.44	174.36	174.17	174.14	174.06	174.13
6	174.16	/	174.14	174.64	174.46	174.49	174.43	174.35	174.18	174.13	174.04	174.12
7	174.21*	/	174.13	174.49	174.45	174.47	174.43	174.33	174.20	174.12	174.03	174.13
8	/	174.10*	174.13	174.46	174.46	174.46	174.44	174.35	174.17	174.13	174.03	174.16
9	/	174.11	174.13	174.47	174.46	174.46	174.44	174.35	174.16	174.14	174.06	174.18
10	/	174.10	174.14	174.46	174.45	174.46	174.43	174.34	174.16	174.14	174.06	174.09
11	174.06*	174.09	174.15	174.46	174.45	174.46	174.44	174.33	174.16	174.13	174.04	174.14
12	174.15	174.09	174.16	174.48	174.45	174.45	174.41	174.31	174.15	174.12	174.05	174.15
13	174.15	174.08	174.17	174.48	174.44	174.45	174.43	174.30	174.16	174.12	174.10	174.09
14	174.14	174.08	174.20	174.50	174.45	174.44	174.42	174.30	174.15	174.10	174.07	174.04
15	174.11	174.07	174.25	174.49	174.44	174.43	174.41	174.29	174.17	174.10	174.07	174.09
16	174.11	174.08	174.26	174.49	174.43	174.46	174.41	174.29	174.18	174.14	174.02	174.17
17	174.06*	174.13	174.29	174.47	174.42	174.45	174.39	174.29	174.14	174.08	174.03	174.17
18	/	174.10	174.30	174.49	174.42	174.44	174.39	174.27	174.15	174.04	174.05	174.12
19	/	174.08	174.32	174.50	174.42	174.45	174.41	174.25	174.14	174.03	174.04	174.15
20	/	174.08	174.35	174.50	174.41	174.44	174.40	174.27	174.13	174.01	174.03	174.19
21	/	174.09	174.33	174.51	174.42	174.44	174.40	174.29	174.14	174.03	174.07	174.18
22	/	174.09	174.34	174.50	174.43	174.45	174.39	174.24	174.13	174.04	174.10	174.16
23	/	174.09	174.36	174.49	174.43	174.44	174.39	174.23	174.14	174.03	174.10	174.15
24	/	174.14	174.36	174.49	174.42	174.44	174.36	174.24	174.10	174.03	174.12	174.17
25	/	174.10	174.38	174.50	174.42	174.42	174.34	174.25	174.13	174.02	174.05	174.18
26	/	174.10	174.41	174.50	174.41	174.43	174.36	174.23	174.13	174.01	174.08	174.21
27	/	174.11	174.40	174.51	174.42	174.42	174.37	174.24	174.19	174.01	174.10	174.23
28	/	174.12	174.37	174.50	174.44	174.42	174.39	174.23	174.17	174.00	174.08	174.21
29	/		174.38	174.48	174.46	174.43	174.38	174.21	174.16	173.97	174.06	174.24
30	/		174.38	174.48	174.46	174.44	174.37	174.20	174.15	173.98	174.09	174.23
31	/		174.39		174.46		174.36	174.20		174.00		174.25
MEAN	174.13	174.10	174.25	174.48	174.44	174.45	174.41	174.29	174.16	174.08	174.06	174.15
MAX.	174.23	174.18	174.52	174.99	174.56	174.68	174.53	174.42	174.37	174.25	174.27	174.35
	0200/07	1400/24	1400/31	0600/06	1800/27	0300/01	0600/11	1200/08	2200/02	1800/15	0200/13	1600/28
MIN.	173.85	174.05	174.06	174.23	174.32	174.31	174.24	174.15	174.07	173.79	173.84	174.01
	2000/04	0900/20	1200/09	2100/03	0300/28	0100/16	1200/28	1700/30	1300/24	1800/20	2100/12	1800/14

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

/ Indicates No Data.

ANNUAL MEAN: 174.25

ANNUAL SUMMARY OF LEVELS, 1982
Station 3063: Cleveland, Ohio on Lake Erie

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	174.47	Apr	174.05	Nov
Daily mean elevation:	174.67	6 Apr	173.79	11 Jan
Instant/hourly elevation:	175.16	0500/6 Apr	173.50	1900/10 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
174.25	31 Jan
174.23	17 Feb
174.41	27 Mar
174.67	6 Apr
174.47	5 May
174.53	5 Jun
174.46	14 Jul
174.36	6 Aug
174.23	7 Sep
174.18	9 Oct
174.13	22 Nov
174.24	27 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
173.79	11 Jan
174.03	1 Feb
174.07	1 Mar
174.31	3 Apr
174.40	19 May
174.42	25 Jun
174.34	25 Jul
174.20	30 Aug
174.07	24 Sep
173.88	20 Oct
173.93	5 Nov
174.00	14 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
174.65				1									174.65	1
174.60													174.60	1
174.55													174.55	1
174.50				1		3							174.50	5
174.45				19	9	13	3						174.45	49
174.40			1	7	21	14	17						174.40	109
174.35			6	1	1		8	3					174.35	128
174.30			5	1			3	9					174.30	146
174.25			4					7					174.25	157
174.20	1	1	1					11	3			3	174.20	177
174.15	5	1	3					1	15	2		11	174.15	215
174.10	5	7	7						11	10	4	9	174.10	268
174.05	9	17	4						1	4	10	5	174.05	318
174.00	5	2								10	10	2	174.00	347
173.95	3									3	5	1	173.95	359
173.90	2									1	1		173.90	363
173.85										1			173.85	364
173.80													173.80	364
173.75	1												173.75	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

Station 3063: Cleveland, Ohio on Lake Erie

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	174.10	174.03	174.07	174.39	174.47	174.48	174.44	174.35	174.21	174.14	174.01	174.12
2	174.16	174.12	174.13	174.44	174.46	174.46	174.42	174.35	174.21	174.17	174.07	174.12
3	174.13	174.15	174.14	174.31	174.47	174.52	174.45	174.36	174.20	174.13	174.08	174.10
4	173.97	174.12	174.16	174.41	174.47	174.47	174.46	174.32	174.18	174.15	174.09	174.13
5	174.08	174.13	174.10	174.46	174.47	174.53	174.45	174.36	174.17	174.14	173.93	174.15
6	174.13	174.06	174.14	174.67	174.46	174.52	174.44	174.36	174.17	174.14	173.99	174.08
7	174.18	174.05	174.13	174.46	174.44	174.49	174.42	174.34	174.23	174.11	173.99	174.10
8	174.03	174.10	174.14	174.45	174.45	174.49	174.43	174.33	174.18	174.13	174.01	174.17
9	174.18	174.12	174.10	174.46	174.45	174.49	174.44	174.34	174.16	174.18	174.07	174.18
10	173.92	174.09	174.13	174.42	174.45	174.47	174.44	174.34	174.16	174.14	174.09	174.04
11	173.79	174.10	174.14	174.42	174.45	174.48	174.44	174.33	174.16	174.13	174.03	174.15
12	174.10	174.10	174.16	174.47	174.44	174.47	174.43	174.32	174.16	174.10	173.96	174.16
13	174.14	174.09	174.10	174.45	174.44	174.46	174.46	174.30	174.16	174.10	174.09	174.04
14	174.11	174.09	174.18	174.48	174.45	174.46	174.46	174.29	174.15	174.03	174.04	174.00
15	174.07	174.07	174.27	174.49	174.44	174.42	174.45	174.29	174.17	174.06	174.05	174.09
16	174.04	174.10	174.25	174.47	174.43	174.47	174.44	174.28	174.17	174.11	173.99	174.18
17	173.99	174.23	174.27	174.45	174.43	174.45	174.42	174.29	174.15	174.07	174.04	174.18
18	174.09	174.10	174.30	174.48	174.43	174.45	174.41	174.27	174.13	174.02	174.06	174.08
19	174.11	174.06	174.31	174.49	174.40	174.45	174.41	174.23	174.14	174.01	174.05	174.14
20	174.09	174.07	174.37	174.49	174.41	174.44	174.41	174.24	174.11	173.88	174.03	174.17
21	174.20	174.09	174.30	174.49	174.44	174.43	174.39	174.30	174.14	174.01	174.07	174.17
22	174.17	174.08	174.33	174.48	174.46	174.45	174.39	174.21	174.13	174.04	174.13	174.14
23	173.97	174.09	174.35	174.47	174.44	174.44	174.39	174.21	174.13	174.03	174.11	174.15
24	173.95	174.19	174.35	174.48	174.42	174.44	174.37	174.24	174.07	174.02	174.12	174.16
25	174.06	174.10	174.38	174.49	174.42	174.42	174.34	174.25	174.12	174.02	174.00	174.16
26	174.05	174.09	174.40	174.49	174.42	174.45	174.35	174.22	174.13	174.01	174.05	174.19
27	174.04	174.11	174.41	174.52	174.44	174.43	174.38	174.23	174.19	174.01	174.11	174.24
28	174.01	174.14	174.37	174.50	174.44	174.43	174.39	174.23	174.17	173.99	174.08	174.14
29	174.06		174.38	174.49	174.45	174.44	174.38	174.21	174.17	173.94	174.03	174.18
30	174.07		174.37	174.49	174.46	174.46	174.37	174.20	174.14	173.96	174.09	174.21
31	174.25		174.34		174.46		174.35	174.21		173.98		174.22
MEAN	174.07	174.10	174.24	174.47	174.44	174.46	174.41	174.28	174.16	174.06	174.05	174.14
MAX.	174.42	174.29	174.56	175.16	174.54	174.61	174.53	174.42	174.33	174.27	174.31	174.32
	1800/31	1100/17	1300/31	0500/06	1500/07	2300/05	1200/28	0200/10	0100/07	2300/09	0300/13	0800/29
MIN.	173.50	173.78	173.96	174.05	174.36	174.29	174.29	174.12	174.00	173.58	173.78	173.87
	1900/10	0600/01	1200/09	2100/03	0400/28	2300/15	2100/28	0500/23	0600/24	1900/20	2300/12	2300/28

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

/ Indicates No Data.

ANNUAL MEAN: 174.24

ANNUAL SUMMARY OF LEVELS, 1982

Station 3079: Marblehead, Ohio on Lake Erie

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	174.46	Jun	174.00	Jan
Daily mean elevation:	174.61	3 Jun	173.50	11 Jan
Instant/hourly elevation:	174.74	0500/3 Jun	172.76	2200/4 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
174.38	31 Jan
174.38	17 Feb
174.43	20 Mar
174.53	27 Apr
174.52	22 May
174.61	3 Jun
174.48	4 Jul
174.40	6 Aug
174.31	7 Sep
174.28	9 Oct
174.18	22 Nov
174.28	27 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
173.50	11 Jan
173.92	1 Feb
173.96	13 Mar
173.99	3 Apr
174.38	19 May
174.35	21 Jun
174.33	31 Jul
174.17	25 Aug
174.04	24 Sep
173.68	20 Oct
173.68	5 Nov
173.92	28 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
174.60						1							174.60	1
174.55													174.55	1
174.50				3	2	7							174.50	13
174.45				15	12	6	3						174.45	49
174.40			1	3	15	11	15						174.40	94
174.35	1	1	8	3	2	4	10	3					174.35	126
174.30			3	1		1	3	10	1				174.30	145
174.25		1	3					6		1		1	174.25	157
174.20	3		2					6	1	1		1	174.20	171
174.15			6					6	15	3	1	9	174.15	211
174.10	5	10	4						9	4	4	9	174.10	256
174.05	8	10	1						3	5	7	5	174.05	295
174.00	3	3	2						1	8	5		174.00	317
173.95	2	1	1	1						6	5	4	173.95	337
173.90		2								1	4	2	173.90	346
173.85	2									1	2		173.85	351
173.80	2												173.80	353
173.75	1												173.75	354
173.70	1										1		173.70	356
173.65										1	1		173.65	358
173.60	2												173.60	360
173.55													173.55	360
173.50													173.50	360
173.45	1												173.45	361

INTERNATIONAL
GREAT LAKES
DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

Station 3079: Marblehead, Ohio on Lake Erie

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	173.98	173.92	174.02	174.34	174.47	174.44	174.45	174.33	174.20	174.16	174.03	174.12
2	174.23	174.14	174.16	174.53	174.46	174.46	174.42	174.32	174.17	174.22	174.06	174.13
3	174.15	174.15	174.17	173.99	174.46	174.61	174.46	174.37	174.13	174.13	174.06	174.10
4	173.64	174.11	174.16	/	174.48	174.53	174.48	174.31	174.17	174.19	174.01	174.13
5	173.98	174.13	174.06	/	174.47	174.53	174.46	174.38	174.16	174.15	173.68	174.16
6	174.11	173.98	174.15	/	174.45	174.52	174.45	174.40	174.18	174.15	173.87	173.99
7	174.11	173.93	174.12	/	174.43	174.52	174.40	174.35	174.31	174.10	173.94	174.06
8	173.81	174.07	174.16	174.49*	174.45	174.52*	174.44	174.31	174.21	174.14	173.96	174.18
9	174.08	174.09	174.02	174.49	174.46	174.53	174.45	174.31	174.16	174.28	174.12	174.17
10	173.78*	174.05	174.15	174.38	174.46	174.46	174.44	174.32	174.16	174.20	174.15	173.96
11	173.50*	174.10	174.14	174.37	174.45	174.49	174.36	174.33	174.17	174.09	174.00	174.12
12	174.07	174.10	174.18	174.49	174.43	174.48	174.36	174.32	174.17	174.06	173.75	174.11
13	174.14	174.08	173.96	174.41	174.45	174.45	174.42	174.30	174.17	174.08	173.99	173.97
14	174.10	174.09	174.17	174.46	174.47	174.47	174.43	174.29	174.15	173.86	173.99	173.94
15	174.03	174.07	174.37	174.50	174.46	174.38	174.42	174.30	174.18	173.96	173.94	174.08
16	173.82	174.13	174.31	174.48	174.43	174.51	174.41	174.28	174.14	174.01	173.95	174.13
17	173.89*	174.38	174.25	174.39	174.44	174.43	174.37	174.30	174.16	174.07	174.04	174.21
18	174.10	174.11	174.31	174.47	174.43	174.43	174.34	174.28	174.09	174.02	174.07	174.11
19	174.12	174.03	174.34	174.50	174.38	174.42	174.39	174.20	174.15	174.00	174.07	174.12
20	174.10	174.05	174.43	174.47	174.41	174.38	174.43	174.19	174.07	173.68	174.05	174.00
21	174.22	174.07	174.24	174.43	174.51	174.35	174.41	174.32	174.12	173.99	174.06	174.10
22	174.21	174.07	174.30	174.47	174.52	174.41	174.42	174.20	174.14*	174.03	174.18	174.16
23	173.75	174.11	174.36	174.44	174.43	174.40	174.42	174.18	174.08*	174.02	174.09	174.17
24	173.62	174.30	174.37	174.46	174.40	174.41	174.39	174.25	174.04	174.04	174.02	174.18
25	174.04	174.11	174.37	174.49	174.42	174.39	174.35	174.17	174.14	174.03	173.88	174.14
26	174.04	174.09	174.30	174.49	174.42	174.44	174.37	174.21	174.15	174.01	173.96	174.18
27	174.07	174.12	174.36	174.53	174.44	174.43	174.43	174.21	174.17	174.02	174.11	174.28
28	173.90	174.15	174.38	174.52	174.46	174.43	174.37	174.24	174.16	174.00	174.12	173.92
29	174.06		174.40	174.50	174.45	174.44	174.39	174.21	174.20	173.92	173.93	174.07
30	174.07		174.38	174.49	174.46	174.47	174.38	174.19	174.15	173.96	174.09	174.16
31	174.38		174.30		174.47		174.33	174.22		173.99		174.19
MEAN	174.00	174.10	174.24	174.45	174.45	174.46	174.41	174.28	174.16	174.05	174.01	174.11
MAX.	174.69	174.52	174.51	174.64	174.59	174.74	174.59	174.44	174.46	174.44	174.27	174.39
	1600/31	0900/17	1600/15	0800/09	2000/22	0500/03	1100/28	0500/03	0300/07	2300/09	1200/22	0400/27
MIN.	172.76	173.51	173.74	173.30	174.35	174.19	174.21	173.98	173.95	173.22	173.43	173.30
	2200/04	0400/01	1200/09	2100/03	1000/20	0600/21	0400/28	0700/20	0500/18	1900/20	1900/12	2200/28

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

ANNUAL MEAN: 174.23

ANNUAL SUMMARY OF LEVELS, 1982
Station 3085: Toledo, Ohio on Lake Erie

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	174.48	May	173.98	Jan
Daily mean elevation:	174.83	5 Apr	173.14	11 Jan
Instant/hourly elevation:	175.51	2300/5 Apr	172.10	2200/4 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
174.42	31 Jan
174.38	17 Feb
174.51	15 Mar
174.83	5 Apr
174.64	22 May
174.72	3 Jun
174.49	4 Jul
174.44	6 Aug
174.38	7 Sep
174.44	9 Oct
174.27	10 Nov
174.34	27 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
173.14	11 Jan
173.94	1 Feb
174.04	1 Mar
173.56	3 Apr
174.37	19 May
174.30	15 Jun
174.26	11 Jul
174.11	25 Aug
174.02	3 Sep
173.39	20 Oct
173.44	5 Nov
173.68	28 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
174.78				1									174.78	1
174.72													174.72	1
174.66				1		1							174.66	3
174.60					2								174.60	5
174.54				6		3							174.54	14
174.48			2	8	7	6	1						174.48	38
174.42			1	3	20	10	12	1		1			174.42	86
174.36	1	1	9	4	2	7	9	3	1				174.36	123
174.30	1	1	3	4		2	6	6				1	174.30	147
174.24	1			1		1	3	12	1	3	1		174.24	170
174.18	2		6					4	5	1	3	7	174.18	198
174.12	5	11	6					4	14	3	1	7	174.12	249
174.06	8	11	3					1	5	4	7	7	174.06	295
174.00	2	2	1						4	11	4	2	174.00	321
173.94		1								3	2		173.94	327
173.88	4	1								1	7	4	173.88	344
173.82	2									2	1	2	173.82	351
173.76											2		173.76	353
173.70													173.70	353
173.64	2									1		1	173.64	357
173.58				1							1		173.58	359
173.52				1									173.52	360
173.46													173.46	360
173.40											1		173.40	361
173.34	1									1			173.34	363
173.28													173.28	363
173.22													173.22	363
173.16	1												173.16	364
173.10	1												173.10	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

Station 3085: Toledo, Ohio on Lake Erie

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	173.92	173.94	174.04	174.29	174.48	174.37	174.43	174.30	174.20	174.19	174.04	174.15
2	174.36	174.17	174.18	174.67	174.47	174.47	174.40	174.32	174.10	174.30	174.07	174.16
3	174.19	174.16	174.18	173.56	174.48	174.72	174.47	174.39	174.02	174.11	174.03	174.11
4	173.36	174.13	174.20	173.63	174.53	174.58	174.49	174.30	174.17	174.25	173.93	174.14
5	173.90	174.15	174.08	174.83	174.49	174.50	174.47	174.40	174.16	174.17	173.44	174.19
6	174.14	174.02	174.18	174.56	174.45	174.52	174.45	174.44	174.19	174.18	173.79	173.91
7	174.07	174.00	174.15	174.40	174.43	174.55	174.35	174.37	174.38	174.09	173.94	174.02
8	173.66	174.09	174.19	174.52	174.46	174.49	174.42	174.28	174.21	174.15	173.97	174.19
9	174.03	174.11	174.07	174.52	174.49	174.56	174.45	174.25	174.17	174.44	174.23	174.15
10	173.19	174.07	174.17	174.33	174.50	174.40	174.44	174.29	174.18	174.26	174.27	173.88
11	173.14	174.12	174.18	174.33	174.46	174.49	174.26	174.33	174.18	174.03	174.01	174.09
12	174.11	174.11	174.22	174.55	174.45	174.46	174.30	174.33	174.20	174.02	173.59	174.07
13	174.17	174.10	174.12	174.39	174.48	174.40	174.43	174.31	174.18	174.06	173.89	173.94
14	174.13	174.12	174.39	174.49	174.53	174.44	174.44	174.28	174.16	173.69	173.95	173.93
15	174.06	174.10	174.51	174.56	174.53	174.30	174.42	174.30	174.18	173.83	173.88	174.10
16	173.87	174.13	174.42	174.51	174.45	174.52	174.41	174.29	174.08	173.88	173.94	174.10
17	173.93	174.38	174.33	174.31	174.47	174.42	174.35	174.31	174.20	174.07	174.05	174.22
18	174.14	174.13	174.38	174.47	174.47	174.45	174.32	174.28	174.04	174.04	174.09	174.14
19	174.14	174.05	174.41	174.51	174.37	174.39	174.40	174.16	174.15	174.02	174.11	174.11
20	174.11	174.09	174.50	174.40	174.44	174.35	174.46	174.16	174.03	173.39	174.08	173.86
21	174.23	174.10	174.23	174.35	174.64	174.32	174.42	174.32	174.10	173.96	174.08	174.06
22	174.25	174.10	174.32	174.47	174.64	174.42	174.44	174.17	174.12	174.03	174.24	174.19
23	173.85	174.15	174.39	174.40	174.44	174.43	174.45	174.17	174.07	174.04	174.07	174.20
24	173.68	174.31	174.39	174.45	174.41	174.45	174.41	174.27	174.05	174.08	173.93	174.20
25	174.07	174.16	174.37	174.49	174.44	174.39	174.32	174.11	174.17	174.05	173.79	174.13
26	174.07	174.14	174.22	174.50	174.47	174.49	174.37	174.21	174.18	174.02	173.91	174.19
27	174.11	174.16	174.35	174.55	174.49	174.47	174.48	174.21	174.15	174.05	174.16	174.34
28	173.93	174.18	174.38	174.57	174.46	174.45	174.33	174.27	174.18	174.03	174.21	173.68
29	174.09		174.44	174.56	174.46	174.46	174.39	174.23	174.26	173.91	173.91	173.93
30	174.10		174.37	174.52	174.46	174.45	174.35	174.20	174.17	173.97	174.12	174.12
31	174.42		174.19		174.48		174.30	174.26		174.00		174.18
MEAN	173.98	174.12	174.28	174.42	174.48	174.46	174.40	174.27	174.15	174.04	173.99	174.09
MAX.	174.75	174.59	174.65	175.51	174.81	174.94	174.75	174.59	174.76	174.64	174.52	174.52
	1800/31	0900/17	1600/15	2300/05	0100/22	0400/03	2200/27	1600/25	0500/07	2100/09	0700/10	0500/27
MIN.	172.10	173.44	173.65	172.43	174.26	174.00	174.03	173.75	173.77	172.73	172.91	172.96
	2200/04	0700/01	1600/31	2000/03	0800/20	2300/15	0700/28	0800/25	1600/03	1900/20	2000/12	2100/28

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

/ Indicates No Data.

ANNUAL MEAN: 174.22

ANNUAL SUMMARY OF LEVELS, 1982

Station 3087: Monroe, Michigan on Lake Erie

INTERNATIONAL GREAT LAKES DATUM (1955)

HIGHEST			LOWEST		
Monthly mean elevation:	174.48	May	Monthly mean elevation:	173.99	Nov
Daily mean elevation:	174.71	5 Apr	Daily mean elevation:	173.21	10 Jan
Instant/hourly elevation:	175.28	0100/6 Apr	Instant/hourly elevation:	172.33	2100/4 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
174.39	31 Jan
174.37	17 Feb
174.46	29 Mar
174.71	5 Apr
174.61	22 May
174.63	3 Jun
174.50	27 Jul
174.44	6 Aug
174.25	29 Sep
174.38	9 Oct
174.31	10 Nov
174.31	27 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
173.21	10 Jan
173.92	1 Feb
174.02	13 Mar
173.69	4 Apr
174.42	24 May
174.35	21 Jun
174.29	28 Jul
174.11	25 Aug
174.03	20 Sep
173.54	20 Oct
173.27	12 Nov
173.81	28 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
174.70				1									174.70	1
174.65													174.65	1
174.60				1	1	1							174.60	4
174.55					1	2							174.55	7
174.50				7	4	3							174.50	21
174.45			1	10	17	11	9						174.45	69
174.40			2	3	8	8	11	2					174.40	103
174.35	1	1	4	4		4	5	2		1			174.35	125
174.30	1		4	2		1	4	7			1	1	174.30	146
174.25		1	2				2	9		2			174.25	162
174.20			3					6	1	1	1	1	174.20	175
174.15	1	1	7					4	5	3	1	8	174.15	205
174.10	1	9	1					1	4	3	1	4	174.10	229
174.05	5	10	1						4	2	5	2	174.05	258
174.00	1	2	2						2	12	4	3	174.00	284
173.95	1	1								1	3	3	173.95	293
173.90	2	1								2	2	3	173.90	303
173.85										1	1		173.85	305
173.80										1	1	1	173.80	308
173.75				1									173.75	309
173.70	1									1			173.70	311
173.65				1									173.65	312
173.60													173.60	312
173.55													173.55	312
173.50	1									1	1		173.50	315
173.45													173.45	315
173.40													173.40	315
173.35													173.35	315
173.30													173.30	315
173.25											1		173.25	316
173.20	1												173.20	317

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

Station 3087: Monroe, Michigan on Lake Erie

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	173.95	173.92	/	174.31	174.48	174.39	174.45	174.32	/	174.17	174.05	174.14
2	174.34	174.16	174.20*	174.64	174.48	174.46	174.44	174.33	/	174.27	174.08	174.17
3	174.19	174.15	174.17	173.78	174.48	174.63	174.48	174.42	/	174.12	174.03	174.13
4	173.52	174.12	174.18	173.69	174.53	174.54	174.49	174.32	/	174.23	173.94	174.14
5	173.97	174.14	174.07	174.71	174.51	174.46	174.47	174.39	/	174.17	173.54	174.21
6	174.13	174.02	174.17	174.47	174.47	174.51	174.47	174.44	/	174.18	173.84	173.95
7	174.06	173.99	174.14	174.40	174.45	174.56	174.40	174.38	/	174.11	173.97	174.02
8	173.74	174.09	174.18	174.50	174.46	174.50	174.45	174.30	/	174.15	173.95*	174.16
9	174.02	174.10	174.05	174.49	174.48	174.56	174.46	174.26	/	174.38	174.15*	174.13
10	173.21	174.07	174.17	174.38	174.47*	174.43	174.49	174.30	/	174.27	174.31*	173.97*
11	/	174.12	174.17	174.34	174.48*	174.50	174.32	174.33	/	174.05	/	/
12	/	174.10	174.21	174.54	174.45	174.48	174.34	174.33	/	174.04	173.27*	/
13	/	174.09	174.02	174.41	174.47	174.41	174.44	174.32	/	174.05	173.87*	173.92*
14	/	174.11	174.21	174.48	174.52	174.46	174.46	174.29	/	173.75	/	173.97
15	/	174.10	174.43	174.54	174.52	174.38	174.44	174.31	174.15*	173.85	/	174.10
16	/	174.13	174.38	174.53	174.45	174.53	174.43	174.30	174.07	173.87	173.96	174.08*
17	/	174.37	174.28	174.36	174.47	174.44	174.38	174.30	174.19	174.06	174.05	/
18	/	174.12	174.34	174.48	174.48	174.47	174.34	174.29	174.05	174.05	174.08	/
19	/	174.05	174.35*	174.52	174.42	174.40	174.40	174.20	174.15	174.04	174.10	/
20	/	174.07	/	174.42	174.44	174.39	174.46	174.17	174.03	173.54	174.10	173.92*
21	/	174.09	/	174.37	174.60	174.35	174.43	174.30	174.10	173.95	174.07	174.05
22	/	174.09	/	174.47	174.61	174.44	174.44	174.21	174.11	174.03	174.21	174.19
23	/	174.13	174.39*	174.42	174.45	174.43	174.45	174.18	174.09	174.03	174.05	174.20
24	/	174.28	174.39	174.47	174.42	174.46	174.42	174.28	174.09	174.06	173.98*	174.20
25	/	174.13	174.35	174.50	174.44	174.42	174.34	174.11	174.17	174.03	/	174.17
26	174.06*	174.10*	174.21	174.50	174.47	174.49	174.37	174.23	174.17	174.02	/	174.17
27	174.10	/	174.33	174.50	174.49	174.47	174.50	174.20	174.14	174.04	/	174.31
28	173.92	/	174.37*	174.55	174.49	174.46	174.29	174.25	174.17	174.03	/	173.81
29	174.09		174.46*	174.54	174.46	174.45	174.42	174.25	174.25	173.94	/	173.96
30	174.09		174.42	174.52	174.46	174.44	174.38	174.21	174.17	173.99	174.17*	174.16
31	174.39		174.26		174.50		174.30	174.24		174.01		174.05
MEAN	173.99	174.11	174.26	174.43	174.48	174.46	174.42	174.28	174.13	174.05	173.99	174.09
MAX.	174.71	174.56	174.59	175.28	174.74	174.85	174.78	174.57	174.42	174.60	174.49	174.48
	1800/31	0800/17	1500/15	0100/06	2400/21	0700/16	2100/27	0400/03	1900/29	2100/09	0700/10	0500/27
MIN.	172.33	173.46	173.72	172.65	174.29	174.05	174.02	173.75	173.81	172.88	173.05	173.12
	2100/04	0600/01	1200/09	2100/03	0800/20	2200/15	0400/28	0800/25	0600/18	1900/20	1900/12	2300/28

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

/ Indicates No Data.

ANNUAL MEAN: 174.22

ANNUAL SUMMARY OF LEVELS, 1982

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

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	174.46	May	173.98	Jan
Daily mean elevation:	174.65	5 Apr	173.32	11 Jan
Instant/hourly elevation:	175.18	0100/6 Apr	172.45	2100/4 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
174.38	31 Jan
174.35	17 Feb
174.42	29 Mar
174.65	5 Apr
174.57	22 May
174.58	3 Jun
174.46	4 Jul
174.41	6 Aug
174.31	7 Sep
174.35	9 Oct
174.22	10 Nov
174.30	27 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
173.32	11 Jan
173.92	1 Feb
174.01	13 Mar
173.72	4 Apr
174.39	19 May
174.33	21 Jun
174.29	31 Jul
174.10	25 Aug
174.02	18 Sep
173.59	20 Oct
173.58	5 Nov
173.87	28 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
174.60				1									174.60	1
174.55				1	1	1							174.55	4
174.50				6	1	3							174.50	14
174.45				10	16	6	1						174.45	47
174.40			3	4	11	14	15	1					174.40	95
174.35	1		4	3	2	5	7	1					174.35	118
174.30	1	1	5	3		1	7	6	1	1			174.30	144
174.25		1	2				1	11				1	174.25	160
174.20	2		3					7	2	3	1		174.20	178
174.15	1		7					4	13	3	2	9	174.15	217
174.10	5	10	3						6	3	2	6	174.10	252
174.05	5	12	1					1	5	1	6	4	174.05	287
174.00	5	2	3						3	12	5	5	174.00	322
173.95		1								2	4	2	173.95	331
173.90	3	1								2	4	2	173.90	343
173.85	1			1						2	2	2	173.85	351
173.80	1										2		173.80	354
173.75	1									1			173.75	356
173.70	1			1							1		173.70	359
173.65	1												173.65	360
173.60													173.60	360
173.55	1									1	1		173.55	363
173.50													173.50	363
173.45													173.45	363
173.40													173.40	363
173.35													173.35	363
173.30	2												173.30	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	173.95	173.92	174.03	174.32	174.46	174.38	174.42	174.31	174.21	174.16	174.04	174.13
2	174.32	174.14	174.16	174.60	174.46	174.43	174.40	174.31	174.12	174.25	174.07	174.15
3	174.17	174.14	174.16	173.86	174.46	174.58	174.45	174.38	174.04	174.11	174.02	174.12
4	173.59	174.11	174.17	173.72	174.50	174.51	174.46	174.30	174.16	174.21	173.95	174.11
5	173.72	174.13	174.06	174.65	174.49	174.43	174.45	174.35	174.17	174.16	173.58	174.20
6	174.12	174.01	174.15	174.44	174.46	174.49	174.44	174.41	174.15	174.17	173.85	173.95
7	174.05	173.98	174.13	174.39	174.44	174.53	174.37	174.35	174.31	174.11	173.98	174.02
8	173.76	174.07	174.16	174.48	174.44	174.49	174.41	174.30	174.19	174.14	173.97	174.14
9	174.02	174.09	174.05	174.48	174.46	174.54	174.42	174.24	174.16	174.35	174.14	174.10
10	173.35	174.06	174.15	174.38	174.48	174.41	174.44	174.28	174.17	174.25	174.22	173.93
11	173.32	174.10	174.16	174.35	174.46	174.48	174.32	174.31	174.17	174.05	174.04	174.05
12	174.10	174.09	174.19	174.53	174.43	174.46	174.31	174.31	174.18	174.04	173.73	174.05
13	174.15	174.08	174.01	174.41	174.46	174.40	174.42	174.30	174.17	174.05	173.90	174.01
14	174.11	174.10	174.18	174.46	174.49	174.44	174.44	174.28	174.14	173.77	173.97	173.99
15	174.05	174.08	174.36	174.52	174.49	174.38	174.41	174.29	174.16	173.86	173.89	174.09
16	173.86	174.11	174.31	174.51	174.43	174.49	174.41	174.28	174.06	173.86	173.96	174.06
17	173.92	174.35	174.25	174.35	174.45	174.42	174.37	174.28	174.17	174.06	174.05	174.20
18	174.12	174.11	174.31	174.47	174.46	174.45	174.34	174.27	174.02	174.05	174.07	174.19
19	174.12	174.03	174.33	174.51	174.39	174.38	174.38	174.20	174.15	174.03	174.10	174.10
20	174.10	174.07	174.42	174.43	174.41	174.40	174.41	174.16	174.03	173.59	174.10	173.88
21	174.21	174.08	174.22	174.36	174.55	174.33	174.40	174.28	174.09	173.95	174.06	174.05
22	174.21	174.07	174.30	174.46	174.57	174.42	174.41	174.22	174.10	174.01	174.18	174.19
23	173.83	174.11	174.36	174.42	174.43	174.41	174.41	174.17	174.08	174.02	174.05	174.19
24	173.68	174.26	174.38	174.47	174.40	174.44	174.39	174.26	174.09	174.05	173.92	174.19
25	174.05	174.11	174.35	174.49	174.42	174.41	174.32	174.10	174.15	174.02	173.85	174.16
26	174.05	174.09	174.21	174.49	174.44	174.46	174.35	174.22	174.16	174.01	173.92	174.16
27	174.09	174.12	174.31	174.47	174.47	174.45	174.45	174.19	174.13	174.03	174.12	174.30
28	173.92	174.15	174.38	174.52	174.46	174.43	174.31	174.24	174.16	174.02	174.18	173.87
29	174.07		174.42	174.51	174.45	174.44	174.38	174.24	174.24	173.95	173.93	174.00
30	174.07		174.41	174.49	174.45	174.42	174.35	174.21	174.16	173.98	174.10	174.13
31	174.38		174.27		174.47		174.29	174.22		174.00		174.19
MEAN	173.98	174.10	174.24	174.42	174.46	174.44	174.39	174.27	174.14	174.04	174.00	174.09
MAX.	174.71	174.54	174.54	175.18	174.67	174.77	174.71	174.51	174.59	174.57	174.43	174.46
	1800/31	0800/17	1000/31	0100/06	2000/22	0700/16	2100/27	0400/03	0400/07	2100/09	0700/10	0400/27
MIN.	172.45	173.45	173.71	172.78	174.31	174.09	173.98	173.82	173.80	172.91	173.11	173.18
	2100/04	0600/01	1200/09	2100/03	0800/20	2200/15	0600/28	0700/25	0600/18	1900/20	2000/12	2300/28

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

/ Indicates No Data.

ANNUAL MEAN: 174.21

ANNUAL SUMMARY OF LEVELS, 1982
Station 4020: Gibraltar, Michigan on Detroit River

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	174.50	May	174.08	Nov
Daily mean elevation:	174.64	5 Apr	173.61	10 Jan
Instant/hourly elevation:	175.11	2400/5 Apr	172.87	2300/4 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
174.45	31 Jan
174.40	17 Feb
174.46	30 Mar
174.64	5 Apr
174.60	22 May
174.59	3 Jun
174.52	10 Jul
174.46	6 Aug
174.36	7 Sep
174.39	9 Oct
174.29	10 Nov
174.35	27 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
173.61	10 Jan
174.08	1 Feb
174.09	13 Mar
173.80	4 Apr
174.44	24 May
174.39	21 Jun
174.35	31 Jul
174.18	25 Aug
174.10	18 Sep
173.80	20 Oct
173.76	5 Nov
173.96	20 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
174.60				2									174.60	2
174.55				4	2	3							174.55	11
174.50				9	9	8	6						174.50	43
174.45			3	5	17	14	12	1					174.45	95
174.40	1		4	4	3	4	9	3					174.40	123
174.35	1	1	3	4		1	3	7	1	1			174.35	145
174.30	1	1	4				1	11	1	2		1	174.30	167
174.25	1		3					5	3	1	1	5	174.25	186
174.20	6	5	9					3	15	4	2	5	174.20	235
174.15	6	12	1					1	6	2	5	6	174.15	274
174.10	2	7	2						3	7	7	5	174.10	307
174.05	2	2	2	1					1	8	4	5	174.05	332
174.00	6									2	4	3	174.00	347
173.95											5	1	173.95	353
173.90										2			173.90	355
173.85	1									1	1		173.85	358
173.80	2												173.80	360
173.75				1						1	1		173.75	363
173.70													173.70	363
173.65													173.65	363
173.60	2												173.60	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

Station 4020: Gibraltar, Michigan on Detroit River

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	174.04	174.08	174.10	174.36	174.50	174.43	174.49	174.38	174.28	174.22	174.11	174.19
2	174.37	174.24	174.22	174.64	174.49	174.47	174.48	174.38	174.19	174.31	174.14	174.21
3	174.21	174.23	174.22	174.06	174.50	174.59	174.52	174.45	174.11	174.18	174.09	174.19
4	173.83	174.20	174.24	173.80	174.54	174.55*	174.52	174.37	174.24	174.27	174.03	174.18
5	174.05	174.22	174.14	174.64	174.53	174.46	174.51	174.41	174.25	174.23	173.76	174.27
6	174.17	174.12	174.23	174.43	174.50	174.53	174.52	174.46	174.22	174.24	173.96	174.04
7	174.10	174.09	174.20	174.42	174.48	174.58	174.45	174.41	174.36	174.18	174.07	174.08
8	173.89	174.16	174.24	174.51	174.48	174.53	174.46*	174.36	174.26	174.21	174.04	174.20
9	174.08	174.17	174.14	174.51	174.49	174.58	174.50*	174.31	174.24	174.39	174.18	174.15
10	173.61	174.14	174.23	174.44	174.52	174.46	174.52	174.34	174.24	174.32	174.29	174.05
11	173.64	174.17	174.23	174.40	174.51	174.53	174.42	174.37	174.25	174.13	174.13	174.11
12	174.22	174.16	174.26	174.57	174.48	174.51	174.39	174.38	174.26	174.12	173.87	174.10
13	174.25	174.15	174.09	174.44	174.49	174.45	174.47	174.37	174.25	174.13	173.99	174.14
14	174.25	174.18	174.24	174.50	174.53	174.49	174.50	174.34	174.21	173.90	174.06	174.10
15	174.19	174.18	174.41	174.56	174.52	174.45	174.47	174.35	174.22	173.95	173.98	174.15
16	174.03	174.19	174.38	174.56	174.47	174.52	174.48	174.35	174.13	173.94	174.06	174.11
17	174.05	174.40	174.29	174.40	174.49	174.48	174.44	174.33	174.25	174.12	174.11	174.25
18	174.21	174.19	174.35	174.51	174.50	174.50	174.41	174.34	174.10	174.14	174.13	174.30
19	174.21	174.12	174.37	174.55	174.45	174.43	174.44	174.28	174.23	174.12	174.16	174.18
20	174.20	174.15	174.46	174.46	174.45	174.46	174.46	174.24	174.11	173.80	174.17	173.96
21	174.30	174.15	174.28	174.40	174.58	174.39	174.46	174.34	174.16	174.02	174.12	174.10
22	174.31	174.15	174.34	174.49	174.60	174.47	174.46	174.32	174.17	174.08	174.22	174.27
23	174.01	174.18	174.41	174.46	174.48	174.46	174.46	174.25	174.16	174.09	174.11	174.26
24	173.84	174.32	174.42	174.51	174.44	174.49	174.45	174.33	174.20	174.11	174.00	174.25
25	174.14	174.20	174.39	174.53	174.46	174.47	174.39	174.18	174.22	174.08	173.96	174.24
26	174.14	174.18	174.25	174.52	174.49	174.51	174.41	174.29	174.23	174.08	174.02	174.21
27	174.18	174.21	174.34	174.48	174.51	174.51	174.51	174.25	174.20	174.10	174.18	174.35
28	174.04	174.22	174.43	174.56	174.51	174.49	174.37	174.29	174.23	174.10	174.25	174.03
29	174.17		174.46	174.54	174.50	174.49	174.45	174.31	174.31	174.05	174.02	174.07
30	174.16		174.46	174.53	174.49	174.46	174.43	174.29	174.23	174.07	174.16	174.19
31	174.45		174.33		174.53		174.35	174.28		174.07		174.26
MEAN	174.11	174.18	174.30	174.46	174.50	174.49	174.46	174.33	174.22	174.12	174.08	174.17
MAX.	174.74	174.57	174.56	175.11	174.70	174.81	174.75	174.58	174.63	174.61	174.48	174.59
	1800/31	0800/17	1400/15	2400/05	2000/22	0700/16	2100/27	0400/03	0400/07	2100/09	0700/10	0900/28
MIN.	172.87	173.78	173.84	173.12	174.34	174.14	174.06	173.86	173.92	173.19	173.32	173.39
	2300/04	0700/01	1200/09	2200/03	1600/28	0300/21	0600/28	0800/25	0300/18	2000/20	1900/12	2300/28

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

/ Indicates No Data.

ANNUAL MEAN: 174.28

ANNUAL SUMMARY OF LEVELS, 1982

Station 4030: Wyandotte, Michigan on Detroit River

INTERNATIONAL GREAT LAKES DATUM (1955)

HIGHEST			LOWEST		
Monthly mean elevation:	174.83	Jun	Monthly mean elevation:	174.50	Nov
Daily mean elevation:	174.91	5 Apr	Daily mean elevation:	174.25	11 Jan
Instant/hourly elevation:	175.24	0100/6 Apr	Instant/hourly elevation:	173.85	2000/4 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
174.74	31 Jan
174.75	17 Feb
174.81	20 Mar
174.91	5 Apr
174.88	22 May
174.90	3 Jun
174.86	4 Jul
174.80	6 Aug
174.72	7 Sep
174.71	9 Oct
174.63	28 Nov
174.73	27 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
174.25	11 Jan
174.46	7 Feb
174.54	13 Mar
174.38	4 Apr
174.77	19 May
174.77	21 Jun
174.74	31 Jul
174.63	25 Aug
174.54	20 Sep
174.31	20 Oct
174.29	5 Nov
174.47	20 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
174.90				2									174.90	2
174.85				2	1	4	1						174.85	10
174.80			1	15	16	19	18						174.80	79
174.75			8	5	14	7	10	5					174.75	128
174.70	1	1	7	4			2	14	1	1		1	174.70	160
174.65	3	4	7					9	2	2		2	174.65	189
174.60	3	10	5					3	18	4	2	9	174.60	243
174.55	9	6	2						8	3	5	9	174.55	285
174.50	5	6	1	1					1	8	9	7	174.50	323
174.45	6	1								8	9	3	174.45	350
174.40	1									3	2		174.40	356
174.35				1						1	1		174.35	359
174.30	2									1	1		174.30	363
174.25											1		174.25	364
174.20	1												174.20	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

Station 4030: Wyandotte, Michigan on Detroit River

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	174.49	174.54	174.56	174.72	174.81	174.78	174.83	174.75	174.67	174.62	174.52	174.59
2	174.66	174.63	174.60	174.91	174.81	174.81	174.81	174.76	174.61	174.67	174.55	174.60
3	174.53	174.64	174.62	174.54	174.81	174.90	174.85	174.78	174.56	174.58	174.53	174.58
4	174.33	174.63	174.63	174.38	174.83	174.86	174.86	174.74	174.64	174.64	174.47	174.60
5	174.47	174.61	174.61	174.91	174.82	174.82	174.85	174.77	174.63	174.61	174.29	174.64
6	174.59	174.54	174.70	174.85	174.79	174.85	174.84	174.80	174.63	174.61	174.38	174.50
7	174.56	174.46	174.71	174.80	174.79	174.87	174.78	174.77	174.72	174.57	174.47	174.54
8	174.45	174.51	174.72	174.84	174.79	174.85	174.82	174.74	174.65	174.59	174.46	174.62
9	174.59	174.54	174.69	174.84	174.80	174.88	174.82	174.71	174.63	174.71	174.56	174.60
10	174.48	174.53	174.69	174.77	174.81	174.80	174.84	174.72	174.64	174.67	174.62	174.52
11	174.25	174.52	174.66	174.75	174.80	174.84	174.76	174.74	174.63	174.53	174.51	174.56
12	174.52	174.58	174.64	174.85	174.79	174.83	174.75	174.75	174.64	174.52	174.35	174.55
13	174.58	174.58	174.54	174.78	174.80	174.79	174.81	174.74	174.63	174.53	174.42	174.54
14	174.61	174.60	174.64	174.83	174.82	174.82	174.82	174.72	174.62	174.40	174.49	174.51
15	174.61	174.59	174.78	174.86	174.81	174.78	174.81	174.73	174.63	174.42	174.43	174.56
16	174.50	174.62	174.77	174.85	174.79	174.85	174.81	174.72	174.57	174.42	174.48	174.56
17	174.48	174.75	174.72	174.74	174.80	174.81	174.78	174.72	174.63	174.52	174.51	174.64
18	174.57	174.67	174.75	174.82	174.80	174.84	174.76	174.72	174.56	174.53	174.53	174.66
19	174.60	174.62	174.77	174.86	174.77	174.80	174.80	174.65	174.62	174.51	174.54	174.60
20	174.65	174.61	174.81	174.80	174.78	174.80	174.81	174.66	174.54	174.31	174.55	174.47
21	174.70	174.60	174.70	174.74	174.85	174.77	174.81	174.71	174.57	174.43	174.53	174.54
22	174.68	174.60	174.73	174.82	174.88	174.82	174.81	174.67	174.58	174.49	174.60	174.64
23	174.53	174.61	174.76	174.79	174.81	174.81	174.81	174.65	174.57	174.50	174.56	174.63
24	174.34	174.68	174.77	174.81	174.79	174.82	174.80	174.70	174.58	174.51	174.49	174.63
25	174.49	174.66	174.75	174.83	174.79	174.81	174.76	174.63	174.60	174.50	174.46	174.62
26	174.52	174.65	174.67	174.82	174.81	174.84	174.78	174.66	174.62	174.50	174.49	174.63
27	174.56	174.66	174.72	174.83	174.82	174.84	174.83	174.66	174.61	174.51	174.59	174.73
28	174.51	174.65	174.76	174.85	174.83	174.83	174.78	174.68	174.63	174.50	174.63	174.49
29	174.57		174.77	174.84	174.82	174.84	174.81	174.68	174.67	174.46	174.49	174.54
30	174.59		174.77	174.83	174.82	174.82	174.78	174.67	174.62	174.46	174.58	174.63
31	174.74		174.67		174.84		174.74	174.68		174.49		174.67
MEAN	174.54	174.60	174.70	174.80	174.81	174.83	174.80	174.71	174.62	174.53	174.50	174.59
MAX.	174.90	174.83	174.85	175.24	174.94	175.00	174.97	174.85	174.86	174.83	174.73	174.81
	1800/31	0900/17	1700/15	0100/06	1900/22	0800/16	2200/27	0500/03	0500/07	2300/09	0700/10	0800/28
MIN.	173.85	174.37	174.40	174.09	174.72	174.67	174.64	174.46	174.47	174.00	174.10	174.12
	2000/04	1700/07	1700/31	2300/03	0900/20	0400/21	0700/28	0700/25	1600/03	2100/20	1700/12	1900/28

ANNUAL MEAN: 174.67

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

ANNUAL SUMMARY OF LEVELS, 1982

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

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	174.94	Jun	174.65	Nov
Daily mean elevation:	175.00	5 Apr	174.46	5 Nov
Instant/hourly elevation:	175.26	0100/6 Apr	174.10	2000/4 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
174.94	14 Jan
174.82	17 Feb
174.93	20 Mar
175.00	5 Apr
174.97	22 May
174.98	3 Jun
174.98	4 Jul
174.91	6 Aug
174.84	7 Sep
174.82	9 Oct
174.76	28 Nov
174.86	27 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
174.48	4 Jan
174.69	7 Feb
174.68	1 Mar
174.56	4 Apr
174.88	19 May
174.89	15 Jun
174.88	31 Jul
174.78	25 Aug
174.69	20 Sep
174.47	20 Oct
174.46	5 Nov
174.64	20 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
174.95				6	1	6	4						174.95	17
174.90	4		1	15	18	21	19	1					174.90	96
174.85	4		12	6	12	3	8	12				1	174.85	154
174.80	4	1	9	1				11	1	1		1	174.80	183
174.75	8	13	5					7	17	4	1	10	174.75	248
174.70	4	10	2						11	5	4	8	174.70	292
174.65	2	1	2	1					1	6	9	9	174.65	323
174.60	4									8	11	2	174.60	348
174.55				1						6	2		174.55	357
174.50											2		174.50	359
174.45	1									1	1		174.45	362

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	174.64	174.79	174.68	174.85	174.92	174.90	174.95	174.87	174.80	174.76	174.66	174.73
2	174.77	174.80	174.71	175.00	174.92	174.93	174.93	174.88	174.75	174.80	174.69	174.74
3	174.66	174.78	174.72	174.69	174.92	174.98	174.96	174.90	174.71	174.72	174.67	174.71
4	174.48	174.78	174.77	174.56	174.93	174.96	174.98	174.88	174.77	174.77	174.62	174.74
5	174.63	174.77	174.76	175.00	174.92	174.93	174.97	174.89	174.77	174.74	174.46	174.78
6	174.73	174.73	174.81	174.98	174.90	174.95	174.96	174.91	174.77	174.75	174.53	174.65
7	174.71	174.69	174.82	174.93	174.89	174.97	174.91	174.90	174.84	174.71	174.61	174.69
8	174.62	174.71	174.83	174.96	174.90	174.96	174.94	174.87	174.78	174.73	174.61	174.76
9	174.74	174.74	174.81	174.95	174.90	174.97	174.94	174.84	174.77	174.82	174.69	174.75
10	174.70	174.74	174.81	174.88	174.91	174.92	174.95	174.85	174.77	174.80	174.74	174.67
11	174.74	174.75	174.78	174.87	174.90	174.94	174.88	174.87	174.76	174.67	174.64	174.71
12	174.80	174.77*	174.76	174.95	174.89	174.94	174.88	174.88	174.77	174.66	174.51	174.70
13	174.84	/	174.69	174.89	174.91	174.91	174.93	174.87	174.76	174.67	174.58	174.67
14	174.94	/	174.78	174.94	174.92	174.93	174.93	174.86	174.76	174.56	174.63	174.66
15	174.92	/	174.89	174.96	174.92	174.89	174.92	174.86	174.77	174.57	174.59	174.70
16	174.86	174.76*	174.90	174.95	174.90	174.95	174.92	174.85	174.72	174.59	174.62	174.71
17	174.78	174.82	174.86	174.87	174.91	174.92	174.90	174.85	174.76	174.66	174.65	174.78
18	174.82	174.77	174.89	174.93	174.90	174.95	174.88	174.85	174.71	174.67	174.67	174.78
19	174.84	174.73	174.90	174.96	174.88	174.92	174.92	174.79	174.76	174.66	174.67	174.74
20	174.87	174.73	174.93	174.91	174.90	174.92	174.93	174.80	174.69	174.47	174.68	174.64
21	174.91	174.72	174.85	174.86	174.94	174.90	174.92	174.84	174.71	174.58	174.67	174.69
22	174.91	174.72	174.86	174.93	174.97	174.94	174.92	174.79	174.72	174.63	174.73	174.77
23	174.80	174.72	174.89	174.90	174.91	174.93	174.92	174.79	174.71	174.64	174.70	174.76
24	174.65	174.78	174.89	174.92	174.90	174.94	174.92	174.83	174.71	174.65	174.65	174.76
25	174.78	174.77	174.88	174.94	174.90	174.92	174.88	174.78	174.74	174.64	174.62	174.76
26	174.86	174.77	174.81	174.94	174.91	174.95	174.90	174.79	174.74	174.64	174.65	174.78
27	174.85	174.77	174.85	174.94	174.93	174.95	174.94	174.80	174.75	174.64	174.73	174.86
28	174.77	174.76	174.88	174.95	174.94	174.95	174.91	174.81	174.76	174.63	174.76	174.66
29	174.80		174.88	174.94	174.94	174.96	174.93	174.81	174.79	174.59	174.65	174.70
30	174.79		174.88	174.93	174.94	174.94	174.90	174.81	174.76	174.60	174.72	174.78
31	174.87		174.81		174.95		174.88	174.81		174.62		174.81
MEAN	174.78	174.75	174.83	174.91	174.92	174.94	174.92	174.84	174.75	174.67	174.65	174.73
MAX.	174.98	174.87	174.96	175.26	175.00	175.06	175.03	174.95	174.95	174.92	174.82	174.90
	1900/31	0900/17	1500/20	0100/06	2100/22	0800/16	0700/04	0500/03	0500/07	2300/09	0700/10	0800/28
MIN.	174.10	174.63	174.60	174.33	174.85	174.81	174.81	174.68	174.65	174.24	174.32	174.31
	2000/04	1700/07	1700/31	2200/03	1600/19	0400/21	0400/12	0900/25	0800/18	2100/20	1700/12	1800/28

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

/ Indicates No Data.

ANNUAL MEAN: 174.81

ANNUAL SUMMARY OF LEVELS, 1982

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

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	175.16	Jun	174.91	Nov
Daily mean elevation:	175.26	6 Apr	174.75	20 Oct
Instant/hourly elevation:	175.44	0300/6 Apr	174.49	1800/4 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
175.10	22 Jan
175.01	1 Feb
175.17	20 Mar
175.26	6 Apr
175.17	22 May
175.20	3 Jun
175.20	5 Jul
175.14	6 Aug
175.06	7 Sep
175.03	9 Oct
175.01	28 Nov
175.11	27 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
174.77	4 Jan
174.90	9 Feb
174.93	1 Mar
174.93	4 Apr
175.10	19 May
175.10	15 Jun
175.10	11 Jul
175.02	22 Aug
174.95	24 Sep
174.75	20 Oct
174.78	12 Nov
174.92	14 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
175.25				1									175.25	1
175.20				2									175.20	3
175.15			2	13	4	20	17						175.15	59
175.10			12	10	25	9	13	11				1	175.10	140
175.05	12		2	2	2	1	1	12	1			2	175.05	175
175.00	5	1	6					8	15	4	1	8	175.00	223
174.95	9	12	5	1					13	6	4	14	174.95	287
174.90	2	13	4	1					1	6	13	5	174.90	332
174.85	2	2								10	8		174.85	354
174.80										4	1		174.80	359
174.75	1										2		174.75	362
174.70										1			174.70	363

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	174.91	175.01	174.93	175.10	175.14	175.14	175.17	175.11	175.04	175.01	174.91	/
2	174.98	174.99	174.94	175.21	175.13	175.17	175.16	175.13	175.01	175.02	174.93	174.99*
3	174.89	174.97	174.95	174.96	175.13	175.20	175.18	175.12	174.99	174.99	174.93	174.96
4	174.77	174.97	174.97	174.93	175.13	175.18	175.20	175.12	175.02	175.00	174.90	175.01
5	174.90	174.96	174.98	175.22	175.12	175.17	175.20	175.13	175.01	174.99	174.78	175.01
6	174.97	174.93	174.99	175.26	175.10	175.17	175.17	175.14	175.03	174.98	174.81	174.94
7	174.98	174.91	175.01	175.20	175.11	175.18	175.14	175.13	175.06	174.96	174.86	174.99
8	174.93	174.90	175.03	175.20	175.12	175.17	175.17	175.12	175.03	174.98	174.88	175.04
9	175.02	174.90	175.02	175.19	175.12	175.18	175.16	175.10	175.01	175.03	174.93	175.04
10	174.99	174.91	175.02	175.11	175.13	175.15	175.17	175.10	175.02	175.02	174.96	174.96
11	175.00	174.91	175.00	175.12	175.11	175.16	175.10	175.12	175.01	174.93	174.89	175.00
12	175.06	174.92	174.99	175.15	175.11	175.15	175.12	175.11	175.01	174.91	174.78	174.99
13	175.08	174.92	174.95	175.13	175.12	175.14	175.16	175.11	175.00	174.92	174.86	174.92
14	175.08	174.93	175.02	175.17	175.13	175.14	175.15	175.10	175.01	174.85	174.89	174.92
15	175.08	174.91	175.11	175.17	175.12	175.10	175.15	175.10	175.02	174.87	174.88	174.96
16	175.07	174.92	175.14	175.17	175.12	175.18	175.14	175.09	174.99	174.88	174.89	174.99
17	175.09	174.97	175.14	175.10	175.12	175.15	175.12	175.10	175.00	174.92	174.92	175.03
18	175.09	174.97	175.15	175.16	175.12	175.17	175.12	175.09	174.98	174.91	174.92	175.00
19	175.07	174.96	175.16	175.19	175.10	175.17	175.16	175.04	175.00	174.90	174.92	175.00
20	175.06	174.95	175.17	175.14	175.12	175.15	175.17	175.06	174.96	174.75	174.92	174.95
21	175.09	174.95	175.13	175.12	175.14	175.15	175.15	175.08	174.97	174.85	174.93	174.98
22	175.10	174.95	175.13	175.16	175.17	175.17	175.16	175.02	174.97	174.89	174.98	175.00
23	175.05	174.94	175.14	175.12	175.14	175.16	175.16	175.05	174.97	174.89	174.98	175.01
24	174.99	174.97	175.13	175.14	175.14	175.16	175.14	175.06	174.95	174.91	174.95	175.01
25	175.03	174.97	175.12	175.16	175.13	175.15	175.13	175.05	174.98	174.90	174.92	175.00
26	175.06	174.97	175.10	175.16	175.13	175.18	175.14	175.03	174.99	174.90	174.95	175.05
27	175.05	174.97	175.12	175.18	175.14	175.17	175.16	175.05	175.01	174.90	174.99	175.11
28	175.00	174.97	175.11	175.16	175.15	175.17	175.18	175.06	175.02	174.89	175.01	174.94
29	174.99		175.11	175.15	175.16	175.19	175.17	175.05	175.02	174.85	174.94*	175.00
30	174.98		175.09	175.14	175.16	175.18	175.14	175.05	175.00	174.85	/	175.07
31	175.02		175.05		175.16		175.13	175.06		174.88		175.07
MEAN	175.01	174.95	175.06	175.15	175.13	175.16	175.15	175.09	175.00	174.92	174.91	175.00
MAX.	175.12	175.03	175.18	175.44	175.19	175.26	175.23	175.17	175.10	175.09	175.03	175.13
	0200/23	0100/01	0700/20	0300/06	1100/22	1700/02	1300/04	2100/04	0300/07	0200/10	1100/28	0700/27
MIN.	174.49	174.89	174.86	174.73	175.02	174.97	175.03	174.96	174.89	174.58	174.53	174.60
	1800/04	1900/08	1600/31	1500/03	0700/02	1800/15	1600/17	1700/29	0300/22	1200/20	1500/12	1800/28

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

/ Indicates No Data.

ANNUAL MEAN: 175.04

ANNUAL SUMMARY OF LEVELS, 1982

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

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	175.21	Jul	174.99	Nov
Daily mean elevation:	175.26	4 Jul	174.89	20 Oct
Instant/hourly elevation:	175.33	2000/5 Apr	174.71	1600/12 Nov

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
175.14	17 Jan
175.09	1 Feb
175.23	20 Mar
175.26	2 Apr
175.21	31 May
175.23	29 Jun
175.26	4 Jul
175.18	8 Aug
175.11	7 Sep
175.08	10 Oct
175.08	28 Nov
175.17	27 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
174.98	4 Jan
174.96	12 Feb
175.00	3 Mar
175.01	4 Apr
175.16	19 May
175.18	15 Jun
175.18	25 Jul
175.10	26 Aug
175.03	24 Sep
174.89	20 Oct
174.90	5 Nov
175.02	20 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
175.25				1			1						175.25	2
175.20			5	14	3	24	16						175.20	64
175.15			11	13	28	6	14	12				1	175.15	149
175.10	14		1	1				15	1			3	175.10	184
175.05	10	1	6					4	19	5	2	15	175.05	246
175.00	4	16	6	1					10	5	8	12	175.00	308
174.95	3	11	2							11	13		174.95	348
174.90										9	6		174.90	363
174.85										1	1		174.85	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	174.99	175.09	175.01	175.16	175.19	175.20	175.22	175.17	175.10	175.07	174.97	175.05
2	175.06	175.05	175.00	175.26	175.19	175.21	175.21	175.18	175.08	175.08	175.00	175.05
3	175.06	175.03	175.00	175.11	175.18	175.22	175.23	175.18	175.05	175.04	175.00	175.04
4	174.98	175.03	175.02	175.01	175.18	175.22	175.26	175.17	175.09	175.06	174.98	175.07
5	175.00	175.02	175.04	175.24	175.18	175.21	175.25	175.18	175.08	175.05	174.90	175.08
6	175.05	175.00	175.05	175.25	175.16	175.22	175.24	175.18	175.09	175.04	174.91	175.03
7	175.05	174.97	175.07	175.25	175.16	175.22	175.21	175.18	175.11	175.03	174.95	175.06
8	175.06	174.96	175.08	175.24	175.17	175.22	175.22	175.18	175.09	175.03	174.95	175.09
9	175.10	174.96	175.09	175.23	175.17	175.22	175.21	175.15	175.08	175.07	174.99	175.09
10	175.11	174.96	175.08	175.19	175.17	175.20	175.22	175.15	175.08	175.08	175.02	175.05
11	175.09	174.96	175.06	175.18	175.16	175.21	175.18	175.17	175.07	175.00	174.97	175.06
12	175.10	174.96	175.04	175.21	175.16	175.20	175.18	175.17	175.07	174.99	174.91	175.05
13	175.12	174.97	175.05	175.18	175.16	175.19	175.21	175.16	175.06	174.99	174.93	175.03
14	175.12	174.98	175.09	175.21	175.17	175.19	175.21	175.16	175.06	174.94	174.97	175.02
15	175.13	174.97	175.16	175.22	175.17	175.18	175.20	175.15	175.07	174.93	174.95	175.03
16	175.13	174.98	175.20	175.22	175.17	175.22	175.20	175.14	175.05	174.93	174.96	175.03
17	175.14	175.02	175.21	175.18	175.17	175.21	175.19	175.15	175.06	174.98	174.98	175.10
18	175.13	175.03	175.21	175.21	175.17	175.22	175.18	175.14	175.05	174.98	174.99	175.08
19	175.12	175.03	175.22	175.24	175.16	175.21	175.20	175.10	175.06	174.98	174.99	175.06
20	175.11	175.02	175.23	175.21	175.17	175.21	175.21	175.11	175.03	174.89	175.00	175.02
21	175.13	175.02	175.22	175.17	175.18	175.21	175.21	175.12	175.03	174.91	174.99	175.05
22	175.13	175.02	175.20	175.21	175.20	175.22	175.21	175.10	175.03	174.94	175.03	175.08
23	175.13	175.01	175.20	175.19	175.19	175.22	175.20	175.11	175.03	174.95	175.03	175.08
24	175.07	175.03	175.19	175.20	175.18	175.21	175.20	175.12	175.03	174.96	175.02	175.07
25	175.09	175.03	175.18	175.21	175.17	175.21	175.18	175.10	175.04	174.96	175.02	175.08
26	175.11	175.03	175.17	175.20	175.17	175.22	175.19	175.10	175.05	174.96	175.03	175.12
27	175.11	175.03	175.18	175.20	175.18	175.22	175.20	175.11	175.06	174.96	175.06	175.17
28	175.07	175.03	175.18	175.20	175.20	175.22	175.22	175.11	175.08	174.96	175.08	175.09
29	175.04		175.17	175.20	175.21	175.23	175.22	175.12	175.09	174.93	175.03	175.09
30	175.03		175.16	175.19	175.21	175.22	175.20	175.11	175.06	174.93	175.05	175.14
31	175.06		175.13		175.21		175.19	175.12		174.95		175.15
MEAN	175.08	175.01	175.13	175.20	175.18	175.21	175.21	175.14	175.06	174.99	174.99	175.07
MAX.	175.18	175.11	175.24	175.33	175.24	175.27	175.29	175.21	175.15	175.16	175.11	175.19
	0300/04	0400/01	2000/20	2000/05	2400/31	1900/20	1200/04	0900/02	0300/07	0200/10	1200/28	0600/28
MIN.	174.80	174.95	174.99	174.89	175.12	175.13	175.13	175.05	175.01	174.78	174.71	174.88
	1500/04	2300/08	1500/02	1000/04	1700/19	1800/15	2100/11	0700/25	0300/21	2000/20	1600/12	1800/28

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

/ Indicates No Data.

ANNUAL MEAN: 175.11

ANNUAL SUMMARY OF LEVELS, 1982
Station 4070: Algonac, Michigan on St. Clair River

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	175.35	Jul	175.18	Nov
Daily mean elevation:	175.50	3 Apr	175.11	31 Oct
Instant/hourly elevation:	175.77	1500/3 Apr	175.09	1800/30 Oct

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
175.37	11 Jan
175.29	17 Feb
175.37	21 Mar
175.50	3 Apr
175.34	31 May
175.37	20 Jun
175.38	11 Jul
175.35	9 Aug
175.28	3 Sep
175.26	20 Oct
175.27	25 Nov
175.41	28 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
175.16	2 Jan
175.14	7 Feb
175.19	1 Mar
175.30	27 Apr
175.28	13 May
175.30	3 Jun
175.33	23 Jul
175.26	31 Aug
175.19	26 Sep
175.11	31 Oct
175.13	19 Nov
175.19	15 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
175.45				1									175.45	1
175.40												1	175.40	2
175.35	1		3	11		4	11					1	175.35	33
175.30	7		11	17	11	25	17	17				2	175.30	140
175.25	11	6	7	1	20	1		14	5	1	1	7	175.25	214
175.20	8	13	6						22	5	5	17	175.20	290
175.15	3	6	4						3	18	15	3	175.15	342
175.10		2								7	9		175.10	360

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

Station 4070: Algonac, Michigan on St. Clair River

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	175.17	175.26	175.19	175.36	175.31	175.34	175.36	175.34	175.26	175.21	175.13	175.20
2	175.16	175.24	175.20	175.35	175.31	175.31	175.36	175.34	175.28	175.21	175.18	175.20
3	175.17	175.26	175.20	175.50	175.31	175.30	175.36	175.33	175.28	175.21	175.19	175.22
4	175.34	175.25	175.23	175.38	175.30	175.31	175.38	175.33	175.27	175.21	175.20	175.24
5	175.21	175.23	175.25	175.31	175.29	175.31	175.38	175.33	175.27	175.20	175.25	175.26
6	175.21	175.21	175.26	175.35	175.29	175.33	175.37	175.33	175.25	175.19	175.20	175.29
7	175.24	175.14	175.27	175.38	175.30	175.33	175.38	175.34	175.25	175.21	175.17	175.28
8	175.29	175.15*	175.26	175.36	175.29	175.32	175.35	175.35	175.25	175.20	175.14	175.25
9	175.28	175.17	175.27	175.35	175.29	175.32	175.35	175.35	175.25	175.19	175.14	175.25
10	175.35	175.20	175.24	175.37	175.29	175.32	175.35	175.34	175.24	175.18	175.13	175.30
11	175.37	/	175.22	175.34	175.28	175.32	175.38	175.33	175.23	175.18	175.15	175.24
12	175.31	175.18*	175.20	175.32	175.29	175.32	175.35	175.33	175.23	175.18	175.23	175.24
13	175.31	175.19	175.21	175.34	175.28	175.31	175.33	175.33	175.22	175.17	175.16	175.28
14	175.31	175.20	175.25	175.34	175.29	175.31	175.34	175.32	175.24	175.20	175.17	175.25
15	175.31	175.20	175.29	175.34	175.29	175.35	175.34	175.31	175.24	175.19	175.17	175.19
16	175.32	175.27	175.31	175.34	175.29	175.32	175.34	175.30	175.23	175.20	175.19	175.21
17	/	175.29	175.34	175.39	175.29	175.35	175.35	175.30	175.23	175.19	175.15	175.23
18	175.27*	175.27	175.35	175.37	175.30	175.35	175.35	175.30	175.24	175.19	175.14	175.25
19	175.26	175.27	175.36	175.37	175.30	175.35	175.34	175.31	175.24	175.18	175.13	175.22
20	175.28	175.25	175.36	175.38	175.29	175.37	175.34	175.29	175.23	175.26	175.14	175.24
21	175.30	175.25	175.37	175.37	175.29	175.36	175.34	175.28	175.21	175.15	175.16	175.23
22	175.29	175.23	175.34	175.35	175.31	175.35	175.33	175.32	175.20	175.15	175.17	175.24
23	175.25	175.23	175.33	175.36	175.32	175.35	175.33*	175.29	175.21	175.16	175.19	175.22
24	175.26	175.23	175.31	175.35	175.31	175.35	/	175.28	175.24	175.16	175.24	175.21
25	175.26	175.25	175.31	175.33	175.30	175.35	/	175.29	175.20	175.16	175.27	175.25
26	175.28	175.24	175.34	175.33	175.30	175.34	/	175.30	175.19	175.16	175.23	175.28
27	175.24	175.24	175.33	175.30	175.31	175.35	175.34*	175.28	175.21	175.15	175.20	175.29
28	175.24	175.21	175.33	175.31	175.33	175.35	175.36	175.28	175.23	175.15	175.19	175.41
29	175.24		175.30	175.31	175.34	175.36	175.37	175.28	175.22	175.15	175.22	175.36
30	175.25		175.29	175.31	175.34	175.36	175.36	175.28	175.22	175.12	175.20	175.33
31	175.29		175.34		175.34		175.34	175.26		175.11		175.33
MEAN	175.27	175.23	175.29	175.35	175.30	175.34	175.35	175.31	175.24	175.18	175.18	175.26
MAX.	175.55	175.31	175.46	175.77	175.37	175.45	175.43	175.39	175.32	175.41	175.33	175.62
	1400/04	0100/01	1600/31	1500/03	1400/07	0300/01	1700/17	0300/25	1600/02	1500/20	1500/12	1500/28
MIN.	175.13	175.12	175.14	175.26	175.25	175.27	175.29	175.24	175.17	175.09	175.10	175.17
	1000/02	1300/07	0300/13	0200/06	1500/20	2400/02	2400/17	0300/30	0100/26	1800/30	0800/01	1700/15

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

/ Indicates No Data.

ANNUAL MEAN: 175.28

ANNUAL SUMMARY OF LEVELS, 1982

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

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	175.78	Jan	175.61	Oct
Daily mean elevation:	176.07	11 Jan	175.52	13 Mar
Instant/hourly elevation:	176.17	1700/11 Jan	175.41	0200/13 Mar

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.07	11 Jan
175.85	1 Feb
175.71	27 Mar
175.78	6 Apr
175.72	30 May
175.77	30 Jun
175.78	29 Jul
175.77	10 Aug
175.74	3 Sep
175.69	16 Oct
175.70	25 Nov
175.79	29 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
175.54	3 Jan
175.57	28 Feb
175.52	13 Mar
175.66	12 Apr
175.65	11 May
175.71	12 Jun
175.72	16 Jul
175.70	31 Aug
175.63	29 Sep
175.56	29 Oct
175.54	20 Nov
175.59	18 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
176.05	1												176.05	1
176.00	1												176.00	2
175.95	1												175.95	3
175.90	2												175.90	5
175.85	5												175.85	10
175.80	4	5											175.80	19
175.75	2	7		2		5	14	5				1	175.75	55
175.70	5	2	2	12	5	25	17	23	4			11	175.70	161
175.65	3	2	7	16	24			3	20	4	5	10	175.65	255
175.60	4	3	8		2				6	13	17	8	175.60	316
175.55	2	9	10							14	6	1	175.55	358
175.50	1		4								2		175.50	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	175.60	175.85	175.54	175.72	175.69	175.74	175.76	175.76	175.69	175.67	175.58	175.62
2	175.56	175.78	175.59	175.69	175.69	175.74	175.75	175.74	175.70	175.63	175.61	175.62
3	175.54	175.81	175.56	175.69	175.68	175.72	175.76	175.74	175.74	175.64	175.63	175.64
4	175.64	175.81	175.59	175.77	175.67	175.73	175.78	175.75	175.72	175.65	175.65	175.68
5	175.62	175.78	175.60	175.71	175.65	175.73	175.76	175.76	175.70	175.62	175.64	175.65
6	175.62	175.77	175.60	175.78	175.66	175.74	175.73	175.75	175.72	175.62	175.65	175.69
7	175.67	175.72	175.61	175.74	175.68	175.71	175.75	175.75	175.69	175.63	175.59	175.72
8	175.68	175.82	175.60	175.71	175.68	175.72	175.75	175.74	175.69	175.66	175.61	175.71
9	175.72	175.80	175.59	175.69	175.69	175.72	175.75	175.76	175.68	175.62	175.61	175.71
10	175.72	175.77	175.56	175.70	175.67	175.71	175.73	175.77	175.67	175.56	175.54	175.70
11	176.07	175.77	175.55	175.69	175.65	175.72	175.73	175.76	175.66	175.62	175.57	175.73
12	176.03	175.81	175.53	175.66	175.68	175.71	175.78	175.75	175.66	175.63	175.61	175.71
13	175.98	175.78	175.52	175.67	175.67	175.72	175.74	175.75	175.65	175.62	175.66	175.66
14	175.93	175.74	175.63	175.70	175.67	175.72	175.73	175.73	175.69	175.63	175.62	175.67
15	175.85	175.68	175.62	175.67	175.67	175.74	175.74	175.73	175.68	175.68	175.63	175.64
16	175.87	175.68	175.60	175.67	175.68	175.73	175.72	175.72	175.70	175.69	175.63	175.71
17	175.95	175.63	175.64	175.72	175.68	175.74	175.75	175.74	175.66	175.63	175.60	175.67
18	175.78	175.60	175.66	175.75	175.67	175.74	175.76	175.72	175.71	175.59	175.58	175.59
19	175.74	175.61	175.69	175.71	175.68	175.77	175.76	175.71	175.68	175.59	175.57	175.64
20	175.85	175.59	175.67	175.70	175.69	175.76	175.76	175.73	175.67	175.59	175.54	175.70
21	175.89	175.61	175.67	175.74	175.69	175.76	175.76	175.72	175.66	175.63	175.63	175.70
22	175.82	175.58	175.68	175.72	175.69	175.75	175.75	175.71	175.67	175.60	175.64	175.66
23	175.62	175.60	175.66	175.71	175.71	175.75	175.76	175.72	175.67	175.60	175.65	175.63
24	175.82	175.60	175.63	175.71	175.70	175.74	175.75	175.72	175.65	175.60	175.70	175.63
25	175.86	175.59	175.65	175.69	175.69	175.75	175.75	175.74	175.63	175.60	175.70	175.66
26	175.87	175.59	175.71	175.70	175.69	175.74	175.75	175.73	175.65	175.59	175.68	175.74
27	175.70	175.60	175.71	175.71	175.69	175.74	175.75	175.74	175.68	175.58	175.66	175.71
28	175.73	175.57	175.67	175.69	175.71	175.75	175.78	175.74	175.68	175.56	175.62	175.74
29	175.75		175.63	175.69	175.72	175.76	175.78	175.70	175.63	175.56	175.64	175.79
30	175.78		175.60	175.69	175.72	175.77	175.76	175.70	175.64	175.58	175.64	175.75
31	175.89		175.63		175.71		175.76	175.70		175.59		175.73
MEAN	175.78	175.70	175.62	175.71	175.68	175.74	175.75	175.73	175.68	175.61	175.62	175.68
MAX.	176.17	175.97	175.77	175.86	175.76	175.89	175.94	175.87	175.78	175.74	175.78	175.91
	1700/11	0100/01	0800/27	0100/04	1600/29	1900/15	1600/17	0400/25	2200/03	1700/08	1900/12	1900/28
MIN.	175.45	175.52	175.41	175.56	175.59	175.65	175.63	175.64	175.56	175.49	175.48	175.49
	0200/03	2300/22	0200/13	0400/13	0600/11	0100/01	1000/16	0300/30	1300/25	0800/29	2100/10	1700/18

ANNUAL MEAN: 175.69

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

ANNUAL SUMMARY OF LEVELS, 1982
Station 4084: Marysville, Michigan on St. Clair River

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	175.97	Aug	175.80	Mar
Daily mean elevation:	176.20	11 Jan	175.68	13 Mar
Instant/hourly elevation:	176.29	0700/11 Jan	175.53	1600/4 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.20	11 Jan
175.97	1 Feb
175.92	27 Mar
176.00	6 Apr
175.93	30 May
175.99	30 Jun
176.02	28 Jul
176.02	10 Aug
175.99	3 Sep
175.95	16 Oct
175.94	24 Nov
176.00	29 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
175.73	3 Jan
175.76	28 Feb
175.68	13 Mar
175.79	3 Apr
175.85	11 May
175.91	7 Jun
175.93	11 Jul
175.92	31 Aug
175.84	29 Sep
175.77	20 Oct
175.75	20 Nov
175.78	18 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
176.15	1												176.15	1
176.10	1												176.10	2
176.05	3												176.05	5
176.00	7						1	2					176.00	15
175.95	3	2		2		15	24	23	4			9	175.95	97
175.90	4	9	2	9	11	15	6	5	12	3	3	6	175.90	182
175.85	4	4	1	15	18				13	9	11	11	175.85	268
175.80	4	3	9	3	2				1	15	11	4	175.80	320
175.75	2	10	12	1						4	3	1	175.75	353
175.70	2		6								2		175.70	363
175.65			1										175.65	364

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

Station 4084: Marysville, Michigan on St. Clair River

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	175.82	175.97	175.73	175.92	175.89	175.95	175.97	175.98	175.90	175.91	175.82	175.83
2	175.78	175.92	175.79	175.87	175.90	175.96	175.96	175.98	175.94	175.85	175.83	175.82
3	175.73	175.95	175.77	175.79	175.88	175.95	175.96	175.96	175.99	175.87	175.87	175.85
4	175.80	175.94*	175.78	175.97	175.87	175.95	175.98	175.98	175.96	175.88	175.88	175.92
5	175.82	175.92	175.78	175.93	175.85	175.96	175.96	175.99*	175.93	175.85	175.84	175.87
6	175.83	175.91	175.78	176.00	175.86	175.96	175.93	/	175.96	175.85	175.88	175.90
7	175.89	175.86	175.80	175.93	175.90	175.91	175.95	175.98*	175.93	175.85	175.81	175.97
8	175.88	175.96	175.78	175.90	175.89	175.93	175.96	175.97	175.92	175.90	175.86	175.96
9	175.95	175.94	175.77	175.88	175.90	175.92	175.96	175.99	175.92	175.86	175.86	175.97
10	175.90	175.90*	175.74	175.88	175.88	175.92	175.94	176.02	175.91	175.77	175.75	175.92
11	176.20	175.92*	175.74	175.87	175.85	175.93	175.93	176.01	175.89	175.85	175.78	175.99
12	176.12	175.94	175.72	175.85	175.90	175.92	175.99	175.99	175.89	175.87	175.80	175.97
13	176.09	175.91	175.68	175.85	175.88	175.93	175.96	175.99	175.88	175.87	175.92	175.86
14	176.05	175.88	175.82	175.89	175.88	175.94	175.95	175.97	175.95	175.87	175.84	175.88
15	175.98	175.83	175.80	175.86	175.88	175.95	175.96	175.96	175.92	175.95	175.87	175.88
16	176.01	175.86	175.75	175.84	175.89	175.96	175.95	175.96	175.95	175.95	175.85	175.97
17	176.09	175.81	175.79	175.89	175.89	175.96	175.97	175.99	175.89	175.88	175.83	175.89
18	176.04	175.78*	175.82	175.95	175.87	175.96	175.98	175.96	175.96	175.81	175.81	175.78
19	175.99	175.79*	175.86	175.90	175.89	175.99	175.99	175.94	175.92	175.82	175.80	175.87
20	176.04	175.78	175.84	175.88	175.92	175.97	175.99	175.98	175.90	175.77	175.75	175.94
21	176.01	175.81	175.83	175.93	175.91	175.97	175.99	175.96	175.90	175.89	175.86	175.95
22	175.95	175.78	175.85	175.92	175.90	175.97	175.98	175.92	175.90	175.85	175.87	175.88
23	175.74	175.80	175.83	175.91	175.93	175.97	176.00	175.96	175.91	175.85	175.88	175.84
24	175.99	175.79	175.80	175.92	175.92	175.95	175.98	175.95	175.87	175.84	175.94	175.86
25	176.03	175.78	175.85	175.88	175.91	175.96	175.98	175.98	175.86	175.85	175.91	175.87
26	176.02	175.78	175.92	175.90	175.91	175.96	175.99	175.96	175.88	175.84	175.90	175.98
27	175.83	175.79	175.92	175.93	175.91	175.95	175.98	175.98	175.92	175.82	175.88	175.93
28	175.88	175.76	175.85	175.90	175.92	175.95	176.02	175.98	175.90	175.79	175.82	175.90
29	175.92		175.81	175.89	175.93	175.98	176.00	175.93	175.84	175.79	175.83	176.00
30	175.94		175.75	175.89	175.93	175.99	175.97	175.97*	175.86	175.81	175.85	175.97
31	176.06		175.79		175.92		175.98	175.92		175.83		175.94
MEAN	175.95	175.86	175.80	175.90	175.90	175.95	175.97	175.97	175.91	175.85	175.85	175.91
MAX.	176.29	176.07	175.97	176.10	175.97	176.08	176.19	176.15	176.03	176.01	176.00	176.12
	0700/11	0100/01	0500/27	0600/06	1300/21	2000/15	1600/17	0400/25	2400/14	1000/16	0100/24	0100/29
MIN.	175.53	175.70	175.56	175.68	175.78	175.85	175.84	175.84	175.80	175.63	175.63	175.70
	1600/04	2300/28	1200/13	2000/03	0600/11	1400/07	2300/17	0200/30	1300/29	1700/20	2000/10	1600/18

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

/ Indicates No Data.

ANNUAL MEAN: 175.90

ANNUAL SUMMARY OF LEVELS, 1982

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

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	176.10	Aug	175.94	Mar
Daily mean elevation:	176.29	11 Jan	175.81	23 Jan
Instant/hourly elevation:	176.37	1600/11 Jan	175.62	1600/4 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.29	11 Jan
176.05	8 Feb
176.05	27 Mar
176.16	6 Apr
176.07	30 May
176.10	6 Jun
176.24	1 Jul
176.14	10 Aug
176.12	3 Sep
176.10	16 Oct
176.08	24 Nov
176.17	11 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
175.81	23 Jan
175.88	28 Feb
175.85	1 Mar
175.88	3 Apr
175.98	11 May
176.03	15 Jun
176.03	11 Jul
176.03	22 Aug
175.95	29 Sep
175.86	20 Oct
175.87	20 Nov
175.87	18 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
176.25	1												176.25	1
176.20							1						176.20	2
176.15	3			1								1	176.15	7
176.10	6			1			10	14	1			6	176.10	45
176.05	5			6	7	12	18	15	8	2	2	7	176.05	127
176.00	6	7	2	12	18	3	2	2	17	5	7	6	176.00	214
175.95	4	7	4	9	6				3	16	11	9	175.95	283
175.90	3	7	4						1	6	8	1	175.90	313
175.85	1	7	5	1						2	2	1	175.85	332
175.80	2		1										175.80	335

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	175.94	176.05	175.85	176.05	176.03	176.09	176.24*	176.10	176.04	176.04	175.96	175.97
2	175.91	176.01	175.93	175.99	176.04	176.10	176.15	176.11	176.08	175.97	175.94	175.95
3	175.85	176.04	175.90	175.88	176.02	176.09	176.09	176.07	176.12	176.00	176.00	175.96
4	175.89	176.04	175.90*	176.12	176.00	176.08	176.10	176.11	176.09	176.02	176.01	176.06
5	175.96	175.99	/	176.08	175.98	176.10	176.08	176.12	176.05	175.98	175.95	175.99
6	175.96	175.99	/	176.16	175.98	176.10	176.05	176.11	176.10	175.98	176.01	176.03
7	176.04	175.94	/	176.07	176.03	176.03	176.07	176.11	176.06	175.98	175.94	176.11
8	176.00	176.05	/	176.02	176.03	176.06	176.09	176.09	176.04	176.03	175.99	176.10
9	176.10	176.02	/	176.00	176.04	176.06	176.08	176.12	176.04	175.99	175.99	176.10
10	176.01	176.00	/	175.99	176.00	176.06	176.06	176.14	176.03	175.88	175.87	176.05
11	176.29	175.99	/	175.99	175.98	176.06	176.03	176.13	176.01	175.97	175.91	176.17
12	176.19	176.03	/	175.97	176.03	176.05	176.12	176.12	176.02	175.99	175.91	176.14
13	176.15	176.00	/	175.99	176.01	176.07	176.09	176.11	176.01	175.99	176.06	176.00
14	176.12	175.96	/	176.03	176.01	176.06	176.07	176.09	176.07	175.99	175.97	176.02
15	176.04	175.92	/	175.98	176.01	176.03*	176.09	176.08	176.04	176.09	176.00	176.01
16	176.10	175.97	/	175.96	176.03	/	176.07	176.08	176.08	176.10	175.98	176.13
17	176.17	175.92	/	176.00	176.03	/	176.08	176.12	176.01	176.01	175.97	176.03
18	176.14	175.89	/	176.08	176.00	/	176.11	176.09	176.09	175.93	175.94	175.87
19	176.09	175.90	/	176.03	176.03	/	176.13	176.06	176.04	175.94	175.92	176.00
20	176.14	175.89	175.96	176.02	176.06	/	176.13	176.11	176.03	175.86	175.87	176.08
21	176.09	175.93	175.90	176.07	176.05	/	176.11	176.10	176.03	176.04	175.99	176.09
22	176.03	175.89	175.96	176.06	176.04	/	176.10	176.03	176.05	175.99	176.01	176.01
23	175.81	175.93	175.95	176.03	176.06	/	176.13	176.09	176.05	175.99	176.02	175.96
24	176.08	175.92	175.91	176.04	176.06	/	176.10	176.09	175.99	175.98	176.08	175.99
25	176.13	175.89	175.96	176.01	176.05	/	176.09	176.13	175.99	175.99	176.04	175.99
26	176.11	175.89	176.05	176.05	176.05	/	176.11	176.09	176.01	175.97	176.03	176.13
27	175.91	175.91	176.05	176.09	176.05	/	176.10	176.10	176.06	175.95	176.03	176.07
28	175.98	175.88	175.98	176.04	176.06	/	176.15	176.12	176.03	175.92	175.95	175.99
29	176.02		175.93	176.03	176.07	/	176.13	176.06	175.95	175.91	175.96	176.14
30	176.04		175.87	176.03	176.07	/	176.09	176.04*	175.99*	175.94	175.99	176.11
31	176.16		175.90		176.06		176.10	176.07		175.96		176.07
MEAN	176.05	175.96	175.94	176.03	176.03	176.07	176.10	176.10	176.04	175.98	175.98	176.04
MAX.	176.37	176.16	176.12	176.31	176.13	176.22	176.30	176.27	176.19	176.15	176.16	176.27
	1600/11	0200/01	0400/27	0400/06	0800/21	1000/01	0900/01	0500/25	2200/03	1000/16	0900/24	0400/11
MIN.	175.62	175.79	175.73	175.74	175.93	175.96	175.91	175.94	175.88	175.70	175.75	175.77
	1600/04	0500/23	2300/30	2100/03	0600/11	1400/07	1800/17	1600/03	1300/29	1700/20	2000/10	1600/18

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

/ Indicates No Data.

ANNUAL MEAN: 176.03

ANNUAL SUMMARY OF LEVELS, 1982

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

INTERNATIONAL GREAT LAKES DATUM (1955)

HIGHEST			LOWEST		
Monthly mean elevation:	176.27	Jun	Monthly mean elevation:	176.00	Mar
Daily mean elevation:	176.35	22 Jun	Daily mean elevation:	175.82	23 Jan
Instant/hourly elevation:	176.44	1600/11 Jan	Instant/hourly elevation:	175.63	1600/4 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.34	11 Jan
176.10	4 Feb
176.15	27 Mar
176.27	6 Apr
176.17	31 May
176.35	22 Jun
176.25	20 Jul
176.27	10 Aug
176.24	3 Sep
176.18	21 Oct
176.19	13 Nov
176.26	11 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
175.82	23 Jan
175.93	22 Feb
175.88	13 Mar
175.93	3 Apr
176.08	11 May
176.18	24 Jun
176.08	11 Jul
176.14	22 Aug
176.09	29 Sep
176.02	29 Oct
175.99	10 Nov
175.96	18 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
176.30	1					8						
176.25				1		5		2				1
176.20	1			1		7	7	18	4			8
176.15	4			8	6	3	7	7	12	1	1	5
176.10	7		2	10	16		2	1	11	4	6	6
176.05	8	4	4	8	6		1		3	5	7	10
176.00	4	8	7	1						2	3	
175.95	2	8	6								1	1
175.90	3	7	7	1								
175.85			1									
175.80	1											

Elev. (m.)	No. of days above elev.
176.30	9
176.25	18
176.20	64
176.15	118
176.10	183
176.05	239
176.00	264
175.95	282
175.90	300
175.85	301
175.80	302

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	176.04	176.06	175.91	176.16	176.14	176.19	176.22	/	176.14	176.13*	176.08	176.08
2	176.00	176.03	176.01	176.09	/	176.35*	176.20	/	176.19	/	176.08	176.06
3	175.94	176.08	175.96*	175.93	176.12*	176.33	176.23*	/	176.24	/	176.12	176.07
4	175.95	176.10*	175.97	176.22	176.10	176.31	176.23*	176.24*	176.22	/	176.13	176.17
5	176.02	176.04*	175.94*	176.19	176.08	176.34	176.20*	176.24*	176.16	/	176.06	176.10
6	176.05	176.02*	/	176.27	176.08	176.33	176.15*	176.23	176.22	/	176.13	176.13
7	176.15	175.97	/	176.16	176.14	176.27	176.19	176.23	176.18	/	176.05	176.23
8	176.10	176.07	/	176.13*	176.14	176.27	176.23*	176.21	176.15	/	176.12	176.22
9	176.20	176.04	/	176.10*	176.14*	/	/	176.24*	176.15	/	176.12	176.22
10	176.08	176.03	175.93*	176.09*	176.09*	/	176.13*	176.27	176.14	/	175.99	176.15
11	176.34	176.03	175.95	176.09	176.08*	176.28*	176.08*	176.26	176.13	/	176.02	176.26
12	176.22	176.05*	175.92	176.06	176.14	176.26*	176.24*	176.24	176.14	/	176.01	176.23
13	176.16	/	175.88	176.08	176.12*	/	176.21*	176.24	176.12	/	176.19	176.07
14	176.13	176.00	176.05	176.12	176.10*	176.27*	176.20*	176.21	176.19	/	176.09	176.11
15	176.06	175.97	176.00	176.06*	176.11*	176.24*	/	176.20	176.17	/	176.12	176.12
16	176.11	176.02	175.95	176.05*	176.13	/	176.16*	176.20	176.20	/	176.08	176.25
17	176.17	175.97	175.99	176.10	176.14*	/	176.16*	176.25	176.13	/	176.09*	176.13
18	176.14	175.93	176.02	176.18	176.11*	/	/	176.21	176.22	/	/	175.96
19	176.10	175.95	176.08	176.11	176.13*	176.35*	/	176.17	176.17	/	/	176.10
20	176.15	175.94	176.04	176.12	176.16	176.35	176.25*	176.24	176.15	/	/	176.19
21	176.10	175.98	176.03	176.19*	176.17	/	/	176.22	176.16	176.18*	/	176.20
22	176.04	175.93	176.07	176.16	176.14	176.35*	176.20*	176.14	176.17	176.12	/	176.11
23	175.82	175.98	176.04	176.13	176.14*	176.25	/	176.21	176.17	176.12	/	176.06
24	176.10	175.99	175.99	176.14	/	176.18	/	176.20	176.10	176.10	/	176.10
25	176.15	175.95	176.06	176.11*	/	176.20	/	176.24	176.11	176.11	/	176.09
26	176.13	175.95*	176.15	176.16*	176.14*	176.25*	/	176.21	176.13	176.10	/	176.24
27	175.92	175.98*	176.15	176.20*	176.15	176.21*	/	176.23	176.19	176.07	/	176.17
28	176.00	175.95	176.07*	176.13*	176.16*	176.21	/	176.24	176.16	176.03	/	176.07
29	176.06		176.01*	176.13	176.17*	176.23*	/	176.17	176.09	176.02	/	176.25
30	176.06		175.94	176.12	176.17	176.24*	/	176.16	176.10	176.06	176.08*	176.22
31	176.18		175.98		176.17		/	176.19		176.09		176.17
MEAN	176.09	176.00	176.00	176.13	176.13	176.27	176.19	176.22	176.16	176.09	176.09	176.15
MAX.	176.44	176.17	176.23	176.43	176.22	176.43	176.28	176.41	176.31	176.24	176.29	176.40
	1600/11	0200/01	0400/27	0400/06	0200/21	2400/20	1600/20	0500/25	2300/03	1200/21	1000/13	0100/29
MIN.	175.63	175.82	175.72	175.76	176.00	176.13	176.03	176.08	176.05	175.96	175.89	175.86
	1600/04	0500/23	1200/13	2100/03	1000/11	0100/01	0900/11	1000/19	1400/29	1500/29	2100/10	1600/18

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

/ Indicates No Data.

ANNUAL MEAN: 176.13

ANNUAL SUMMARY OF LEVELS, 1982

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

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	176.35	Aug	176.11	Mar
Daily mean elevation:	176.42	11 Jan	175.93	23 Jan
Instant/hourly elevation:	176.59	0400/6 Apr	175.54	1500/4 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.42	11 Jan
176.20	3 Feb
176.28	27 Mar
176.40	6 Apr
176.30	31 May
176.37	30 Jun
176.40	28 Jul
176.40	10 Aug
176.39	3 Sep
176.38	16 Oct
176.34	24 Nov
176.41	11 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
175.93	23 Jan
176.07	18 Feb
175.96	13 Mar
175.99	3 Apr
176.19	5 May
176.25	7 Jun
176.24	11 Jul
176.26	22 Aug
176.20	29 Sep
176.06	20 Oct
176.10	20 Nov
176.05	18 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
176.40	1											1	176.40	2
176.35				1		1	10	16	4	2		7	176.35	43
176.30	2			3		21	17	11	7	2	2	4	176.30	112
176.25	6		2	8	20	7	3	4	15	3	10	6	176.25	196
176.20	8			8	8	1	1		3	16	7	9	176.20	257
176.15	8	7	6	9	3				1	5	8	3	176.15	307
176.10	2	11	7							2	2		176.10	331
176.05	2	10	10							1	1		176.05	355
176.00	1		5									1	176.00	362
175.95			1	1									175.95	364
175.90	1												175.90	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	176.17	176.18	176.05	176.26	176.26	176.31	176.34	176.36	176.28	176.31	176.21	176.21
2	176.15	176.15	176.16	176.20	176.27	176.34	176.31	176.36	176.33	176.22	176.18	176.21
3	176.07	176.20	176.11	175.99	176.25	176.33	176.33	176.35	176.39	176.24	176.26	176.22
4	176.06	176.18	176.12	176.35	176.23	176.32	176.33	176.36	176.36	176.27	176.27	176.32
5	176.19	176.14	176.09	176.32	176.19	176.34	176.31	176.38	176.31	176.22	176.17	176.23
6	176.20	176.13	176.10	176.40	176.20	176.33	176.27	176.36	176.37	176.22	176.26	176.26
7	176.29	176.08	176.11	176.28	176.26	176.25	176.31	176.36	176.31	176.22	176.18	176.38
8	176.22	176.19	176.09	176.23	176.26	176.28	176.34	176.33	176.29	176.30	176.26	176.36
9	176.35	176.17	176.07	176.20	176.27	176.29	176.33	176.38	176.29	176.25	176.26	176.36
10	176.20	176.15	176.04	176.18	176.23	176.29	176.30	176.40	176.28	176.11	176.11	176.26
11	176.42	176.13	176.06	176.20	176.20	176.31	176.24	176.39	176.26	176.21	176.16	176.41
12	176.30	176.17	176.03	176.17	176.27	176.27	176.37	176.38	176.27	176.25	176.12	176.37
13	176.27	176.15	175.96	176.19	176.24	176.30	176.34	176.36	176.26	176.25	176.33	176.18
14	176.25	176.11	176.16	176.24	176.24	176.29	176.31	176.35	176.34	176.24	176.22	176.23
15	176.18	176.08	176.10	176.17	176.25	176.28	176.34	176.34	176.29	176.37	176.25	176.26
16	176.24	176.16	176.01	176.16	176.26	176.33	176.31	176.33	176.35	176.38	176.22	176.39
17	176.29	176.10	176.06	176.20	176.25	176.31	176.29	176.39	176.26	176.27	176.22	176.27
18	176.25	176.07	176.10	176.30	176.23	176.32	176.35	176.35	176.36	176.17	176.20	176.05
19	176.22	176.10	176.17	176.23	176.26	176.35	176.39	176.30	176.30	176.19	176.17	176.22
20	176.28	176.09	176.13	176.22	176.30	176.32	176.38	176.37	176.28	176.06	176.10	176.33
21	176.23	176.13	176.11	176.30	176.30	176.32	176.36	176.36	176.29	176.31	176.25	176.34
22	176.17	176.09	176.17	176.27	176.27	176.34	176.36	176.26	176.31	176.25	176.27	176.24
23	175.93	176.15	176.14	176.24	176.29	176.34	176.38	176.34	176.30	176.25	176.29	176.18
24	176.23	176.14	176.09	176.26	176.29	176.31	176.36	176.35*	176.22	176.23	176.34	176.22
25	176.27	176.10	176.17	176.23	176.28	176.32	176.35	176.34*	176.24	176.24	176.28	176.21
26	176.25	176.09	176.27	176.27	176.27	176.34	176.37	176.34	176.26	176.22	176.27	176.37
27	176.04	176.11	176.28	176.33	176.28	176.31	176.35	176.37	176.32	176.20	176.28	176.30
28	176.14	176.08	176.17	176.27	176.29	176.32	176.40	176.38	176.28	176.16	176.19	176.16
29	176.19		176.14	176.25	176.29	176.34	176.38	176.30	176.20	176.15	176.19	176.37
30	176.20		176.05	176.25	176.30	176.37	176.34	176.29	176.22	176.19	176.23	176.34
31	176.33		176.07		176.30		176.35	176.32		176.22		176.29
MEAN	176.21	176.13	176.11	176.24	176.26	176.32	176.34	176.35	176.29	176.23	176.22	176.28
MAX.	176.53	176.29	176.36	176.59	176.38	176.44	176.50	176.55	176.46	176.45	176.45	176.58
	0600/11	0200/01	0400/27	0400/06	0100/21	0800/19	2100/17	1400/28	2200/03	1100/16	0900/13	0100/09
MIN.	175.54	175.95	175.80	175.78	176.14	176.16	175.87	176.19	176.14	175.86	175.95	175.95
	1500/04	0600/07	1200/13	2100/03	0600/11	1400/07	1700/17	0300/30	1200/29	1700/20	2000/10	1600/18

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

/ Indicates No Data.

ANNUAL MEAN: 176.25

ANNUAL SUMMARY OF LEVELS, 1982

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

INTERNATIONAL GREAT LAKES DATUM (1955)

HIGHEST			LOWEST		
Monthly mean elevation:	176.46	Aug	Monthly mean elevation:	176.19	Mar
Daily mean elevation:	176.54	11 Dec	Daily mean elevation:	175.95	23 Jan
Instant/hourly elevation:	176.74	1300/28 Aug	Instant/hourly elevation:	175.55	1500/4 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.48	11 Jan
176.27	3 Feb
176.37	27 Mar
176.52	6 Apr
176.39	20 May
176.46	30 Jun
176.49	28 Jul
176.52	25 Aug
176.52	3 Sep
176.52	16 Oct
176.46	24 Nov
176.54	11 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
175.95	23 Jan
176.12	7 Feb
176.03	13 Mar
176.02	3 Apr
176.27	5 May
176.34	15 Jun
176.31	11 Jul
176.37	22 Aug
176.31	29 Sep
176.13	20 Oct
176.19	20 Nov
176.13	18 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
176.50				1				4	1	1		2	176.50	9
176.45	2					1	6	13	5	1	2	8	176.45	47
176.40	1			3		14	16	12	10	3	1	3	176.40	110
176.35	1		1	6	12	12	7	2	10	8	11	5	176.35	185
176.30	6		1	7	16	3	2		4	12	6	9	176.30	251
176.25	11	1	1	8	3					4	6	2	176.25	287
176.20	3	9	9	4							2	1	176.20	315
176.15	1	15	8							1	2		176.15	342
176.10	2	3	9							1		1	176.10	358
176.05	1		1										176.05	360
176.00			1	1									176.00	362
175.95													175.95	362
175.90	1												175.90	363

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	176.27	176.22	176.14	176.33	176.34	176.39	176.42	176.44	176.40	176.43	176.33	176.32
2	176.25	176.20	176.26	176.26	176.35	176.43	176.40	176.44	176.45	176.33	176.29	176.31
3	176.15	176.27	176.21	176.02	176.34	176.42	176.42	176.40	176.52	176.35	176.38	176.32
4	176.12	176.24	176.21	176.43	176.31	176.40	176.42	176.45	176.48	176.38	176.39	176.43
5	176.29	176.20	176.18	176.42	176.27	176.43	176.39	176.47	176.42	176.33	176.26	176.34
6	176.31	176.18	176.18	176.52	176.28	176.42	176.34	176.45	176.49	176.33	176.37	176.36
7	176.40	176.12	176.21	176.37	176.34	176.34	176.39	176.44	176.43	176.32	176.28	176.50
8	176.31	176.24	176.18	176.30	176.35	176.36	176.42	176.42	176.40	176.41	176.38	176.49
9	176.46	176.23	176.16	176.28	176.36	176.36	176.41	176.46	176.41	176.36	176.38	176.49
10	176.27	176.20	176.13	176.25	176.31	176.36	176.38	176.50	176.39	176.20	176.21	176.36
11	176.48	176.18	176.15	176.27	176.28	176.37	176.31	176.49	176.37	176.32	176.25	176.54
12	176.33	176.22	176.13	176.24	176.36	176.35	176.47	176.47	176.38	176.36	176.20	176.50
13	176.30	176.20	176.03	176.26	176.33	176.38	176.42	176.46	176.37	176.36	176.46	176.27
14	176.29	176.17	176.25	176.31	176.32	176.37	176.40	176.46	176.46	176.35	176.34	176.33
15	176.23	176.14	176.18	176.25	176.33	176.34	176.42	176.45	176.41	176.50	176.37	176.37
16	176.29	176.24	176.07	176.23	176.35	176.43	176.39	176.45	176.47	176.52	176.33	176.53
17	176.33	176.18	176.15	176.26	176.34	176.39	176.36	176.52	176.37	176.39	176.33	176.39
18	176.28	176.15	176.18	176.38	176.31	176.42	176.42	176.47	176.49	176.28	176.31	176.13
19	176.24	176.18	176.24	176.30	176.34	176.44	176.48	176.42	176.41	176.29	176.28	176.34
20	176.31*	176.18	176.17	176.29	176.39	176.40	176.48	176.51	176.40	176.13	176.19	176.45
21	/	176.22	176.15	176.38	176.38	176.41	176.44	176.49	176.41	176.44	176.36	176.47
22	/	176.17	176.22	176.36	176.35	176.43	176.44	176.37	176.43	176.38	176.40	176.34
23	175.95	176.25	176.20	176.32	176.38	176.42	176.47	176.47	176.42	176.37	176.41	176.29
24	176.29	176.24	176.15	176.34	176.38	176.39	176.43	176.47	176.33	176.35	176.46	176.34
25	176.33	176.18	176.24	176.31	176.36	176.42	176.42	176.52	176.35	176.36	176.39	176.32
26	176.30	176.17	176.35	176.36	176.35	176.44	176.45	176.46	176.38	176.35	176.39	176.50
27	176.08	176.20	176.37	176.43	176.36	176.40	176.44	176.50	176.45	176.32	176.40	176.42
28	176.20	176.16	176.24	176.36	176.37	176.41	176.49	176.51	176.40	176.27	176.30	176.24
29	176.26		176.21	176.34	176.37	176.45	176.46	176.42	176.31	176.26	176.29	176.49
30	176.27		176.12	176.33	176.38	176.46	176.41	176.42	176.33	176.31	176.34	176.46
31	176.41		176.13		176.37		176.43	176.45		176.35		176.40
MEAN	176.28	176.20	176.19	176.32	176.34	176.40	176.42	176.46	176.41	176.35	176.34	176.39
MAX.	176.64	176.38	176.45	176.74	176.49	176.55	176.56	176.74	176.61	176.62	176.61	176.71
	2200/30	0300/01	0700/27	0400/06	2400/20	0900/01	0500/28	1300/28	2100/03	1200/16	0900/13	0100/09
MIN.	175.55	175.99	175.82	175.79	176.17	176.16	175.90	176.24	176.23	175.91	176.02	176.01
	1500/04	0600/07	2300/30	2100/03	0500/11	2000/15	1700/17	1400/03	1200/29	1700/20	2000/10	1600/18

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

/ Indicates No Data.

ANNUAL MEAN: 176.34

ANNUAL SUMMARY OF LEVELS, 1982
Station 5002: Lakeport, Michigan on Lake Huron

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	176.50	Aug	176.23	Mar
Daily mean elevation:	176.58	11 Dec	175.97	23 Jan
Instant/hourly elevation:	176.79	1600/17 Jul	175.68	1500/4 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.50	11 Jan
176.36	3 Feb
176.40	27 Mar
176.52	6 Apr
176.44	30 May
176.52	30 Jun
176.54	28 Jul
176.56	10 Aug
176.55	3 Sep
176.55	16 Oct
176.51	13 Nov
176.58	11 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
175.97	23 Jan
176.17	7 Feb
176.07	13 Mar
176.05	3 Apr
176.32	5 May
176.38	7 Jun
176.37	11 Jul
176.41	22 Aug
176.34	29 Sep
176.20	20 Oct
176.24	20 Nov
176.20	18 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
176.55								1				2	176.55	3
176.50				1		1	8	14	5	2	1	8	176.50	43
176.45	3			2		16	16	12	7	2	1	2	176.45	104
176.40	1			6	14	12	5	4	14	7	11	4	176.40	182
176.35	2	1	2	8	14	1	2		3	14	7	11	176.35	247
176.30	12	2	1	7	3				1	3	6	2	176.30	284
176.25	5	9	5	5						2	3	1	176.25	314
176.20	4	12	13								1		176.20	344
176.15	2	4	7							1		1	176.15	359
176.10	1		2										176.10	362
176.05			1										176.05	363
176.00				1									176.00	364
175.95	1												175.95	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

Station 5002: Lakeport, Michigan on Lake Huron

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	176.31	176.30	176.17	176.36	176.39	176.45	176.49	176.50	176.43	176.46	176.38	176.36
2	176.30	176.27	176.31	176.31	176.40	176.48	176.46	176.51	176.48	176.38	176.36	176.36
3	176.20	176.36	176.25	176.05	176.38	176.47	176.48	176.48	176.55	176.40	176.40	176.36
4	176.16	176.31	176.23	176.45	176.36	176.45	176.48	176.51	176.52	176.42	176.42	176.49
5	176.32	176.27	176.21	176.46	176.32	176.48	176.45	176.53	176.47	176.37	176.31	176.36
6	176.34	176.24	176.22	176.52	176.33	176.47	176.40	176.51	176.53	176.38	176.42	176.40
7	176.43	176.17	176.24	176.41	176.39	176.38	176.44	176.50	176.47	176.37	176.34	176.55
8	176.36	176.29	176.22	176.35	176.40	176.42	176.48	176.47	176.44	176.45	176.42	176.53
9	176.49	176.28	176.19	176.33	176.42	176.42	176.47	176.52	176.45	176.40	176.42	176.52
10	176.29	176.25	176.17	176.30	176.37	176.41	176.43	176.56	176.44	176.26	176.26	176.40
11	176.50	176.22	176.19	176.31	176.33	176.43	176.37	176.55	176.41	176.37	176.30	176.58
12	176.35	176.26	176.18	176.29	176.41	176.41	176.52	176.52	176.43	176.40	176.27	176.54
13	176.31	176.24	176.07	176.30	176.39	176.44	176.47	176.51	176.41	176.41	176.51	176.33
14	176.31	176.20	176.28	176.37	176.38	176.43	176.45	176.49	176.49	176.39	176.38	176.38
15	176.25	176.19	176.25	176.29	176.37	176.42	176.46	176.48	176.44	176.54	176.42	176.42
16	176.30	176.30	176.15	176.27	176.40	176.48	176.44	176.49	176.51	176.55	176.38	176.56
17	176.35	176.24	176.21	176.31	176.39	176.44	176.47	176.54	176.42	176.43	176.38	176.43
18	176.29	176.20	176.24	176.44	176.36	176.46	176.49	176.49	176.53	176.33	176.35	176.20
19	176.25	176.24	176.29	176.35	176.40	176.50	176.52	176.44	176.45	176.35	176.33	176.38
20	176.35	176.22	176.25	176.33	176.44	176.46	176.52	176.52	176.44	176.20	176.24	176.49
21	176.31	176.29	176.22	176.42	176.43	176.46	176.50	176.51	176.45	176.49	176.42	176.51
22	176.24	176.23	176.29	176.41	176.41	176.49	176.49	176.41	176.48	176.42	176.44	176.40
23	175.97	176.31	176.24	176.37	176.44	176.48	176.52	176.50	176.46	176.42	176.42	176.35
24	176.31	176.29	176.20	176.38	176.44	176.45	176.50	176.49	176.38	176.40	176.49	176.38
25	176.36	176.23	176.28	176.36	176.43	176.48	176.49	176.52	176.39	176.41	176.44	176.36
26	176.33	176.22	176.38	176.40	176.41	176.49	176.51	176.49	176.42	176.39	176.43	176.52
27	176.12	176.24	176.40	176.47	176.41	176.46	176.51	176.52	176.47	176.37	176.44	176.45
28	176.21	176.21	176.28	176.41	176.42	176.46	176.54	176.55	176.44	176.32	176.35	176.29
29	176.30		176.25	176.38	176.43	176.50	176.52	176.45	176.34	176.30	176.35	176.53
30	176.31		176.17	176.38	176.44	176.52	176.48	176.45	176.37	176.36	176.39	176.51
31	176.47		176.15		176.42		176.50	176.49		176.39		176.44
MEAN	176.30	176.25	176.23	176.36	176.40	176.46	176.48	176.50	176.45	176.39	176.38	176.43
MAX.	176.68	176.47	176.49	176.72	176.52	176.57	176.79	176.76	176.63	176.63	176.66	176.72
	0400/12	1800/03	2200/26	0400/06	2400/20	0900/01	1600/17	1300/28	2100/03	0900/16	0900/13	0100/09
MIN.	175.68	176.06	175.91	175.81	176.23	176.27	176.27	176.31	176.27	175.98	176.11	176.05
	1500/04	0400/07	1100/13	2000/03	0500/11	2200/07	1700/17	1900/29	0700/30	1800/20	0800/12	1700/28

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

/ Indicates No Data.

ANNUAL MEAN: 176.39

ANNUAL SUMMARY OF LEVELS, 1982

Station 5014: Harbor Beach, Michigan on Lake Huron

INTERNATIONAL GREAT LAKES DATUM (1955)

HIGHEST			LOWEST		
Monthly mean elevation:	176.49	Aug	Monthly mean elevation:	176.22	Mar
Daily mean elevation:	176.56	10 Aug	Daily mean elevation:	176.06	23 Jan
Instant/hourly elevation:	176.63	1700/17 Jul	Instant/hourly elevation:	175.92	1900/23 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.51	11 Jan
176.31	3 Feb
176.34	27 Mar
176.43	18 Apr
176.42	30 May
176.50	30 Jun
176.52	12 Jul
176.56	10 Aug
176.52	3 Sep
176.51	15 Oct
176.49	13 Nov
176.54	11 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.06	23 Jan
176.20	28 Feb
176.13	13 Mar
176.14	3 Apr
176.33	11 May
176.37	7 Jun
176.38	11 Jul
176.43	22 Aug
176.34	29 Sep
176.26	10 Oct
176.27	20 Nov
176.28	18 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
176.55								1					176.55	1
176.50	1						4	6	1	1		6	176.50	20
176.45						9	19	19	5	2	1	7	176.45	82
176.40	2			4	8	17	7	5	18	3	9	6	176.40	161
176.35	3			11	18	4	1		4	18	10	8	176.35	238
176.30	11	1	2	10	5				2	5	8	3	176.30	285
176.25	7	7	6	4						2	2	1	176.25	314
176.20	5	17	12										176.20	348
176.15	1	3	10										176.15	362
176.10			1	1									176.10	364
176.05	1												176.05	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

Station 5014: Harbor Beach, Michigan on Lake Huron

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	176.31	176.27	176.17	176.35	176.38	176.44	176.48	176.51	176.42	176.42	176.35	176.36
2	176.31	176.26	176.27	176.30	176.39	176.45	176.46	176.49	176.47	176.36	176.34	176.34
3	176.21	176.31	176.22	176.14	176.37	176.44	176.46	176.48	176.52	176.37	176.39	176.36
4	176.24	176.30	176.21	176.40	176.35	176.42	176.45	176.49	176.50	176.40	176.41	176.46
5	176.32	176.25	176.20	176.41	176.33	176.44	176.43	176.51	176.45	176.35	176.35	176.37
6	176.33	176.24	176.21	176.40	176.34	176.45	176.41	176.48	176.48	176.36	176.43	176.41
7	176.41	176.21	176.23	176.37	176.40	176.37	176.45	176.47	176.44	176.37	176.37	176.54
8	176.38	176.29	176.22	176.34	176.38	176.40	176.47	176.46	176.42	176.43	176.40	176.49
9	176.44	176.27	176.18	176.31	176.39	176.41	176.46	176.51	176.44	176.38	176.39	176.49
10	176.31	176.25	176.17	176.31	176.35	176.40	176.43	176.56	176.43	176.26	176.28	176.44
11	176.51	176.23	176.19	176.31	176.33	176.43	176.38	176.52	176.41	176.35	176.32	176.54
12	176.33	176.25	176.18	176.31	176.39	176.40	176.52	176.51	176.42	176.40	176.31	176.53
13	176.30	176.24	176.13	176.29	176.37	176.42	176.47	176.50	176.40	176.39	176.49	176.38
14	176.30	176.21	176.27	176.35	176.36	176.41	176.45	176.48	176.45	176.40	176.37	176.42
15	176.27	176.20	176.23	176.29	176.36	176.43	176.46	176.47	176.41	176.51	176.42	176.42
16	176.31	176.27	176.17	176.28	176.38	176.46	176.44	176.48	176.47	176.49	176.40	176.50
17	176.36	176.21	176.19	176.32	176.38	176.44	176.46	176.50	176.42	176.41	176.37	176.42
18	176.30	176.20	176.23	176.43	176.36	176.44	176.50	176.47	176.49	176.34	176.34	176.28
19	176.25	176.23	176.27	176.35	176.38	176.47	176.51	176.45	176.45	176.36	176.33	176.38
20	176.33	176.22	176.22	176.32	176.42	176.47	176.49	176.50	176.42	176.27	176.27	176.49
21	176.30	176.25	176.23	176.41	176.40	176.45	176.48	176.48	176.43	176.47	176.41	176.49
22	176.24	176.23	176.27	176.40	176.37	176.47	176.48	176.43	176.45	176.40	176.41	176.40
23	176.06	176.26	176.25	176.37	176.41	176.48	176.49	176.49	176.44	176.40	176.39	176.35
24	176.32	176.24	176.22	176.39	176.42	176.45	176.48	176.48	176.39	176.38	176.45	176.38
25	176.35	176.22	176.27	176.36	176.41	176.47	176.48	176.49	176.38	176.40	176.45	176.39
26	176.32	176.22	176.34	176.38	176.39	176.47	176.49	176.50	176.40	176.37	176.41	176.51
27	176.17	176.24	176.34	176.42	176.38	176.44	176.49	176.49	176.42	176.36	176.42	176.44
28	176.22	176.20	176.28	176.38	176.41	176.45	176.51	176.51	176.41	176.32	176.36	176.35
29	176.30		176.24	176.36	176.42	176.47	176.51	176.45	176.34	176.32	176.35	176.52
30	176.29		176.17	176.36	176.42	176.50	176.47	176.44	176.35	176.38	176.39	176.52
31	176.39		176.18		176.41		176.49	176.45		176.37		176.46
MEAN	176.31	176.24	176.22	176.35	176.38	176.44	176.47	176.49	176.43	176.38	176.38	176.43
MAX.	176.61	176.41	176.42	176.51	176.47	176.57	176.63	176.61	176.59	176.55	176.55	176.61
	0600/11	2000/03	2400/26	1300/04	2100/07	2000/15	1700/17	1700/03	2100/03	1700/15	0900/13	0100/11
MIN.	175.92	176.10	176.02	175.98	176.26	176.33	176.33	176.36	176.30	176.13	176.20	176.22
	1900/23	2200/14	1100/13	2000/03	1900/10	1400/07	1600/17	0800/03	0600/29	1700/20	2400/10	2000/28

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

/ Indicates No Data.

ANNUAL MEAN: 176.38

ANNUAL SUMMARY OF LEVELS, 1982

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

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	176.48	Aug	176.23	Mar
Daily mean elevation:	176.61	21 May	175.73	3 Apr
Instant/hourly elevation:	177.02	0100/6 Apr	174.92	1900/3 Apr

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.48	31 Jan
176.30	24 Feb
176.35	18 Mar
176.58	5 Apr
176.61	21 May
176.59	3 Jun
176.55	23 Jul
176.55	24 Aug
176.60	22 Sep
176.49	15 Oct
176.48	22 Nov
176.58	16 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.00	23 Jan
176.12	7 Feb
176.07	13 Mar
175.73	3 Apr
176.31	11 May
176.37	10 Jun
176.17	11 Jul
176.27	22 Aug
176.32	29 Sep
175.88	20 Oct
176.10	5 Nov
175.99	28 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
176.60					1								176.60	1
176.55				2		1			3			1	176.55	8
176.50					2	7	7	13	2			3	176.50	42
176.45	1			1	6	9	13	12	5	4	2	6	176.45	101
176.40	2			5	10	9	8	4	12	4	4	3	176.40	162
176.35	2			6	9	4	2		5	12	9	9	176.35	220
176.30	7		3	5	3			1	3	5	6	4	176.30	257
176.25	9	9	9	8				1		3	5		176.25	301
176.20	4	14	9	2						2	2	3	176.20	337
176.15	4	4	7				1						176.15	353
176.10	1	1	2								1	1	176.10	359
176.05			1								1		176.05	361
176.00													176.00	361
175.95	1											1	175.95	363
175.90													175.90	363
175.85										1			175.85	364
175.80													175.80	364
175.75													175.75	364
175.70				1									175.70	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	176.24	176.27	176.15	176.28	176.39	176.45	176.48	176.46	176.43	176.48	176.43	176.36
2	176.37	176.26	176.23	176.37	176.40	176.54	176.44	176.55	176.42	176.39	176.36	176.37
3	176.21	176.28	176.25	175.73	176.39	176.59	176.51	176.46	176.45	176.36	176.38	176.35
4	176.13	176.29	176.23	176.26	176.37	176.52	176.49	176.53	176.47	176.43	176.32	176.49
5	176.31	176.25	176.18	176.58	176.33	176.53	176.42	176.55	176.40	176.36	176.10	176.39
6	176.30	176.21	176.20	176.57	176.33	176.50	176.38	176.51	176.60	176.39	176.26	176.25
7	176.36	176.12	176.20	176.36	176.38	176.39	176.38	176.49	176.53	176.32	176.28	176.49
8	176.24	176.26	176.23	176.33	176.43	176.44	176.48	176.42	176.43	176.45	176.39	176.51
9	176.42	176.25	176.20	176.31	176.42	176.45	176.46	176.47	176.41	176.47	176.45	176.49
10	176.17	176.20	176.19	176.22	176.39	176.37	176.42	176.53	176.42	176.30	176.32	176.22
11	176.42	176.17	176.18	176.29	176.31	176.43	176.17	176.53	176.39	176.30	176.32	176.51
12	176.34	176.26	176.21	176.31	176.45	176.38	176.47	176.50	176.42	176.33	176.12	176.51
13	176.31	176.23	176.07	176.30	176.47	176.44	176.48	176.50	176.41	176.37	176.46	176.14
14	176.31	176.25	176.18	176.37	176.41	176.44	176.44	176.49	176.60	176.23	176.31	176.34
15	176.26	176.18	176.28	176.29	176.39	176.40	176.46	176.48	176.51	176.49	176.29	176.42
16	176.20	176.29	176.26	176.29	176.44	176.47	176.43	176.45	176.49	176.48	176.24	176.58
17	176.30	176.26	176.32	176.24	176.45	176.42	176.43	176.54	176.34	176.40	176.37	176.43
18	176.28	176.21	176.35	176.41	176.37	176.52	176.46	176.46	176.49	176.26	176.35	176.22
19	176.26	176.22	176.30	176.42	176.37	176.52	176.55	176.33	176.42	176.32	176.36	176.38
20	176.32	176.23	176.29	176.27	176.50	176.47	176.54	176.54	176.37	175.88	176.28	176.45
21	176.34	176.24	176.22	176.37	176.61	176.46	176.49	176.53	176.46	176.43	176.40	176.48
22	176.30	176.23	176.24	176.38	176.52	176.49	176.49	176.27	176.60	176.42	176.48	176.40
23	176.00	176.24	176.26	176.29	176.52	176.47	176.55	176.50	176.43	176.38	176.42	176.38
24	176.23	176.30	176.22	176.34	176.46	176.42	176.48	176.55	176.35	176.37	176.34	176.39
25	176.32	176.22	176.26	176.35	176.43	176.44	176.45	176.51	176.40	176.38	176.24	176.35
26	176.28	176.19	176.29	176.44	176.43	176.55	176.50	176.42	176.42	176.38	176.36	176.50
27	176.20	176.23	176.33	176.46	176.47	176.46	176.53	176.48	176.47	176.36	176.41	176.46
28	176.17	176.23	176.27	176.43	176.45	176.46	176.54	176.51	176.44	176.32	176.37	175.99
29	176.29		176.26	176.41	176.48	176.50	176.52	176.41	176.32	176.24	176.29	176.38
30	176.27		176.23	176.39	176.47	176.54	176.43	176.46	176.36	176.31	176.40	176.39
31	176.48		176.13		176.44		176.47	176.53		176.39		176.31
MEAN	176.28	176.23	176.23	176.34	176.43	176.47	176.46	176.48	176.44	176.35	176.34	176.38
MAX.	176.64	176.55	176.39	177.02	176.72	176.67	176.62	176.86	176.90	176.67	176.60	176.76
	2300/31	0100/01	0800/18	0100/06	2200/20	1800/20	0900/23	0600/21	1800/14	1800/08	1700/26	2400/08
MIN.	175.43	175.98	176.00	174.92	176.24	176.26	176.01	176.10	176.24	175.33	175.80	175.35
	1700/04	0800/07	1800/13	1900/03	0100/11	1100/15	1100/11	1100/22	1400/17	1500/20	1500/12	1900/28

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

/ Indicates No Data.

ANNUAL MEAN: 176.37

ANNUAL SUMMARY OF LEVELS, 1982

Station 5059: Harrisville, Michigan on Lake Huron

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	176.45	Aug	176.20	Mar
Daily mean elevation:	176.50	10 Aug	176.10	23 Jan
Instant/hourly elevation:	176.60	1400/18 Jul	175.92	1100/23 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.45	11 Jan
176.26	8 Feb
176.26	27 Mar
176.39	24 Apr
176.37	12 May
176.46	30 Jun
176.49	12 Jul
176.50	10 Aug
176.48	3 Sep
176.42	21 Oct
176.43	25 Nov
176.49	29 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.10	23 Jan
176.17	18 Feb
176.14	17 Mar
176.19	3 Apr
176.32	11 May
176.37	15 Jun
176.39	11 Jul
176.42	31 Aug
176.34	29 Sep
176.27	10 Oct
176.28	10 Nov
176.33	1 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
176.45						1	8	13	2			6	176.45	30
176.40	1					18	21	18	12	2	2	11	176.40	115
176.35				7	5	11	2		14	16	10	11	176.35	191
176.30	7			8	11				2	12	15	3	176.30	249
176.25	13	2	1	14						1	3		176.25	283
176.20	8	18	11										176.20	320
176.15	1	8	15	1									176.15	345
176.10			4										176.10	349
176.05	1												176.05	350

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

Station 5059: Harrisville, Michigan on Lake Huron

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	176.27	176.24	176.14	176.29	176.35	176.45*	176.45	176.49	176.40	176.39	176.32	176.33
2	176.31	176.23	176.21	176.29	176.36	176.42	176.44	176.45	176.43	176.34	176.30	176.34
3	176.21	176.23	176.19	176.19	176.35	176.40	176.42	176.46	176.48	176.35	176.36	176.38
4	176.23	176.26	176.16	176.29	176.33	176.39	176.42	176.46	176.47	176.37	176.37	176.43
5	176.28	176.22	176.17	176.36	176.32	176.39	176.40	176.47	176.45	176.34	176.32	176.38
6	176.29	176.23	176.18	176.30	176.33	176.41	176.41	176.45	176.43	176.35	176.38	176.39
7	176.35	176.24	176.18	176.32	176.37	176.37	176.44	176.46	176.41	176.36	176.35	176.49
8	176.33	176.26	176.20	176.30	176.37	176.38	176.44	176.45	176.41	176.40	176.35	176.44
9	176.35	176.23	176.16	176.28	176.36	176.37	176.45	176.48	176.42	176.36	176.34	176.44
10	176.25	176.23	176.16	176.30	176.33	176.39	176.41	176.50	176.40	176.27	176.28	176.43
11	176.45	176.22	176.17	176.29	176.32	176.41	176.39	176.48	176.39	176.33	176.31	176.47
12	176.31	176.23	176.18	176.28	176.37	176.38	176.49	176.47	176.39	176.38	176.31	176.48
13	176.29	176.21	176.14	176.26	176.33	176.40	176.43	176.46	176.38	176.37	176.42	176.39
14	176.27	176.21	176.24	176.31	176.33	176.40	176.42	176.45	176.42	176.38	176.34	176.43
15	176.26	176.18	176.20	176.26	176.34	176.37	176.43	176.44	176.38	176.42	176.37	176.40
16	176.27	176.22	176.14	176.27	176.35*	176.42	176.42	176.44	176.42	176.40	176.38	176.42
17	176.31	176.18	176.14	176.30	/	176.42	176.42	176.45	176.41	176.38	176.33	176.40
18	176.27	176.17	176.19	176.38	/	176.41	176.45	176.44	176.43	176.35	176.31	176.34
19	176.23	176.21	176.22	176.33	/	176.43	176.46	176.44	176.43	176.37	176.31	176.39
20	176.28	176.21	176.19	176.29	/	176.44	176.45	176.46	176.39	176.31	176.29	176.44
21	176.27	176.21	176.19	176.38	/	176.43	176.45	176.45	176.39	176.42	176.37	176.43
22	176.25	176.21	176.24	176.38	/	176.44	176.45	176.45	176.40	176.38	176.36	176.39
23	176.10	176.21	176.23	176.36	/	176.45	176.45	176.45	176.41	176.38	176.34	176.37
24	176.24	176.20	176.21	176.39	/	176.43	176.45	176.44	176.39	176.37	176.39	176.38
25	176.29	176.20	176.24	176.35	/	176.45	176.46	176.44	176.35	176.38	176.43	176.41
26	176.27	176.20	176.25	176.35	/	176.43	176.45	176.48	176.38	176.35	176.35	176.46
27	176.21	176.20	176.26	176.37	/	176.42	176.46	176.44	176.39	176.35	176.38	176.43
28	176.20	176.18	176.25	176.35	/	176.43	176.47	176.47	176.39	176.33	176.33	176.38
29	176.29		176.23	176.33	/	176.44	176.48	176.43	176.34	176.35	176.32	176.49
30	176.24		176.20	176.33	/	176.46	176.46	176.43	176.36	176.40	176.36	176.48
31	176.32		176.21		/		176.47	176.42		176.35		176.45
MEAN	176.27	176.22	176.20	176.32	176.34	176.41	176.44	176.45	176.40	176.36	176.35	176.42
MAX.	176.50	176.30	176.30	176.42	176.41	176.49	176.60	176.56	176.52	176.48	176.47	176.55
	0800/11	0100/01	2400/26	1900/21	2200/07	2100/30	1400/18	0100/04	1900/03	2400/14	1200/25	1200/29
MIN.	175.92	176.12	176.07	176.08	176.27	176.30	176.25	176.38	176.30	176.23	176.22	176.26
	1100/23	0700/15	1600/16	2200/03	0900/11	2100/07	2000/17	0800/19	0700/27	1700/20	1600/12	0300/06

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

/ Indicates No Data.

ANNUAL MEAN: 176.35

ANNUAL SUMMARY OF LEVELS, 1982

Station 5080: Mackinaw City, Michigan on Straits of Mackinac

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	176.47	Jul	176.21	Mar
Daily mean elevation:	176.53	13 Dec	176.14	7 Mar
Instant/hourly elevation:	176.73	1000/20 Oct	176.03	2100/4 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.35	27 Jan
176.28	7 Feb
176.31	31 Mar
176.40	24 Apr
176.41	31 May
176.46	24 Jun
176.52	11 Jul
176.51	8 Aug
176.46	2 Sep
176.46	10 Oct
176.45	20 Nov
176.53	13 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.18	31 Jan
176.15	23 Feb
176.14	7 Mar
176.16	4 Apr
176.35	9 May
176.39	5 Jun
176.42	3 Jul
176.41	31 Aug
176.39	25 Sep
176.34	31 Oct
176.32	9 Nov
176.39	1 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
176.50							1	1				3	176.50	5
176.45						1	22	15	1	1		6	176.45	51
176.40					3	24	8	15	25	12	7	21	176.40	166
176.35				3	24	5			4	17	20	1	176.35	240
176.30	6		1	16	4					1	3		176.30	271
176.25	14	2	4	7									176.25	298
176.20	6	16	9	2									176.20	331
176.15	5	9	14	2									176.15	361
176.10		1	3										176.10	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

Station 5080: Mackinaw City, Michigan on Straits of Mackinac

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	176.26	176.24	176.17	176.20	176.35	176.42	176.44	176.49	176.42	176.38	176.35	176.39
2	176.33	176.26	176.15	176.29	176.35	176.40	176.45	176.47	176.46	176.42	176.38	176.42
3	176.30	176.18	176.16	176.31	176.35	176.40	176.42	176.50	176.43	176.40	176.40	176.45
4	176.20	176.24	176.15	176.16	176.38	176.40	176.43	176.49	176.44	176.39	176.41	176.41
5	176.33	176.23	176.18	176.25	176.40	176.39	176.46	176.48	176.45	176.40	176.38	176.44
6	176.29	176.25	176.20	176.22	176.40	176.40	176.48	176.48	176.40	176.41	176.40	176.45
7	176.29	176.28	176.14	176.27	176.38	176.43	176.49	176.49	176.42	176.45	176.41	176.44
8	176.31	176.23	176.20	176.28	176.36	176.41	176.46	176.51	176.45	176.39	176.33	176.42
9	176.24	176.22	176.17	176.28	176.35	176.41	176.45	176.49	176.44	176.41	176.32	176.47
10	176.30	176.24	176.21	176.32	176.39	176.42	176.44	176.47	176.43	176.46	176.39	176.48
11	176.27	176.24	176.17	176.29	176.41	176.43	176.52	176.46	176.45	176.45	176.37	176.44
12	176.28	176.22	176.21	176.32	176.36	176.41	176.45	176.46	176.44	176.43	176.41	176.43
13	176.27	176.21	176.22	176.26	176.36	176.42	176.45	176.46	176.44	176.40	176.38	176.53
14	176.27	176.24	176.18	176.30	176.38	176.41	176.46	176.45	176.42	176.43	176.37	176.45
15	176.31	176.22	176.19	176.31	176.38	176.41	176.46	176.45	176.43	176.36	176.42	176.41
16	176.25	176.19	176.22	176.33	176.37	176.42	176.48	176.45	176.41	176.36	176.42	176.41
17	176.30	176.20	176.19	176.31	176.37	176.43	176.50	176.44	176.45	176.39	176.37	176.47
18	176.27	176.21	176.22	176.31	176.40	176.41	176.50	176.45	176.41	176.43	176.38	176.52
19	176.28	176.22	176.18	176.31	176.40	176.43	176.46	176.48	176.45	176.40	176.39	176.44
20	176.22	176.23	176.19	176.31	176.37	176.44	176.47	176.43	176.41	176.44	176.45	176.42
21	176.24	176.19	176.21	176.33	176.36	176.44	176.48	176.44	176.41	176.37	176.40	176.42
22	176.29	176.23	176.22	176.35	176.37	176.43	176.47	176.49	176.39	176.37	176.38	176.43
23	176.33	176.15	176.26	176.38	176.38	176.43	176.46	176.45	176.42	176.39	176.36	176.45
24	176.19	176.16	176.28	176.40	176.39	176.46	176.49	176.43	176.42	176.41	176.41	176.42
25	176.24	176.19	176.23	176.38	176.39	176.44	176.48	176.45	176.39	176.38	176.40	176.45
26	176.27	176.20	176.17	176.33	176.40	176.42	176.46	176.46	176.41	176.36	176.36	176.43
27	176.35	176.18	176.18	176.34	176.39	176.44	176.47	176.42	176.40	176.37	176.38	176.44
28	176.20	176.20	176.27	176.34	176.41	176.44	176.47	176.43	176.42	176.39	176.38	176.50
29	176.25		176.25	176.35	176.40	176.43	176.48	176.45	176.44	176.45	176.38	176.48
30	176.20		176.28	176.35	176.40	176.44	176.49	176.43	176.42	176.42	176.39	176.50
31	176.18		176.31		176.41		176.48	176.41		176.34		176.52
MEAN	176.27	176.22	176.21	176.31	176.38	176.42	176.47	176.46	176.43	176.40	176.39	176.45
MAX.	176.61	176.42	176.45	176.45	176.47	176.53	176.67	176.61	176.55	176.73	176.60	176.64
	1100/23	0200/07	0200/31	1200/03	1100/18	2100/07	0900/07	1100/22	0700/02	1000/20	0700/12	1400/28
MIN.	176.03	176.07	176.08	176.04	176.30	176.34	176.37	176.34	176.34	176.26	176.25	176.32
	2100/04	0900/23	1800/01	0200/04	1300/21	2400/07	1000/18	0200/31	2100/01	2300/20	2400/12	0300/02

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

/ Indicates No Data.

ANNUAL MEAN: 176.37

ANNUAL SUMMARY OF LEVELS, 1982
Station 5099: DeTour Village, Michigan on Lake Huron

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	176.44	Jul	176.19	Mar
Daily mean elevation:	176.52	31 Dec	176.12	7 Mar
Instant/hourly elevation:	176.59	1000/31 Dec	175.89	2200/4 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.37	2 Jan
176.29	7 Feb
176.26	31 Mar
176.40	24 Apr
176.40	31 May
176.44	24 Jun
176.48	18 Jul
176.48	8 Aug
176.44	19 Sep
176.42	30 Oct
176.44	16 Nov
176.52	31 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.16	24 Jan
176.14	24 Feb
176.12	7 Mar
176.13	4 Apr
176.31	22 May
176.37	8 Jun
176.40	4 Jul
176.37	27 Aug
176.33	25 Sep
176.33	16 Oct
176.30	23 Nov
176.35	16 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
176.50												2	176.50	2
176.45							9	7				4	176.45	22
176.40						11	20	22	12	2	3	17	176.40	109
176.35	1			4	12	19	2	2	15	20	14	6	176.35	204
176.30	6			12	19				3	9	12	2	176.30	267
176.25	7	1	2	9							1		176.25	287
176.20	12	12	6	3									176.20	320
176.15	5	13	13	1									176.15	352
176.10		2	10	1									176.10	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

Station 5099: DeTour Village, Michigan on Lake Huron

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	176.22	176.20	176.15	176.21	176.33	176.38	176.43	176.48	176.38	176.35	176.32	176.35
2	176.37	176.24	176.15	176.31	176.35	176.38	176.42	176.43	176.43	176.38	176.31	176.39
3	176.25	176.16	176.15	176.26	176.33	176.37	176.40	176.47	176.42	176.34	176.37	176.41
4	176.17	176.22	176.12	176.13	176.34	176.37	176.40	176.45	176.44	176.38	176.39	176.41
5	176.27	176.21	176.15	176.28	176.35	176.37	176.43	176.46	176.43	176.36	176.35	176.41
6	176.27	176.24	176.20	176.18	176.36	176.38	176.44	176.45	176.37	176.38	176.38	176.37
7	176.31	176.29	176.12	176.25	176.36	176.39	176.45	176.46	176.38	176.39	176.41	176.44
8	176.32	176.24	176.20	176.28	176.35	176.37	176.44	176.48	176.41	176.39	176.31	176.40
9	176.27	176.21	176.14	176.26	176.35	176.38	176.44	176.46	176.43	176.37	176.32	176.45
10	176.23	176.24	176.19	176.31	176.33	176.38	176.42	176.45	176.42	176.35	176.34	176.45
11	176.34	176.25	176.15	176.28	176.34	176.42	176.46	176.44	176.42	176.38	176.32	176.44
12	176.31	176.22	176.20	176.31	176.36	176.39	176.46	176.44	176.42	176.42	176.33	176.45
13	176.24	176.20	176.18	176.22	176.32	176.39	176.44	176.44	176.41	176.38	176.38	176.48
14	176.23	176.23	176.19	176.31	176.32	176.40	176.42	176.42	176.38	176.40	176.35	176.47
15	176.29	176.19	176.19	176.29	176.34	176.38	176.43	176.43	176.35	176.34	176.38	176.40
16	176.23	176.18	176.17	176.29	176.34	176.40	176.45	176.42	176.38	176.33	176.44	176.35
17	176.34	176.17	176.13	176.28	176.33	176.41	176.47	176.42	176.42	176.36	176.36	176.45
18	176.28	176.17	176.20	176.34	176.35	176.39	176.48	176.42	176.37	176.39	176.35	176.51
19	176.25	176.20	176.19	176.31	176.38	176.40	176.45	176.44	176.44	176.39	176.36	176.41
20	176.21	176.21	176.16	176.26	176.36	176.43	176.44	176.42	176.38	176.39	176.39	176.41
21	176.21	176.17	176.16	176.32	176.33	176.41	176.45	176.41	176.36	176.36	176.37	176.39
22	176.25	176.21	176.21	176.36	176.31	176.42	176.44	176.47	176.35	176.35	176.38	176.42
23	176.24	176.15	176.25	176.38	176.35	176.42	176.44	176.43	176.40	176.37	176.30	176.42
24	176.16	176.14	176.25	176.40	176.37	176.44	176.46	176.41	176.39	176.38	176.37	176.39
25	176.24	176.16	176.22	176.37	176.38	176.42	176.47	176.41	176.33	176.38	176.43	176.42
26	176.26	176.20	176.15	176.31	176.37	176.40	176.45	176.45	176.38	176.35	176.33	176.42
27	176.34	176.18	176.17	176.32	176.34	176.42	176.45	176.37	176.36	176.35	176.37	176.42
28	176.19	176.17	176.26	176.33	176.36	176.42	176.43	176.41	176.39	176.36	176.37	176.42
29	176.29		176.25	176.32	176.38	176.39	176.46	176.43	176.40	176.40	176.33	176.46
30	176.20		176.25	176.32	176.37	176.41	176.46	176.41	176.39	176.42	176.39	176.49
31	176.18		176.26		176.40		176.46	176.38		176.34		176.52
MEAN	176.26	176.20	176.19	176.29	176.35	176.40	176.44	176.43	176.39	176.37	176.36	176.43
MAX.	176.48	176.38	176.33	176.42	176.44	176.47	176.53	176.54	176.49	176.52	176.50	176.59
	2400/02	0300/07	0200/31	1900/24	1600/31	2000/24	0700/18	1000/22	0800/02	1100/20	1400/25	1000/31
MIN.	175.89	176.08	176.04	175.95	176.29	176.31	176.37	176.31	176.31	176.20	176.13	176.21
	2200/04	1300/23	1700/01	0100/04	1000/22	1100/01	2300/03	1900/27	1200/15	2400/20	2000/12	0700/06

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

/ Indicates No Data.

ANNUAL MEAN: 176.34

ANNUAL SUMMARY OF LEVELS, 1982

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

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	176.72	Dec	176.37	Mar
Daily mean elevation:	176.85	18 Dec	176.32	17 Mar
Instant/hourly elevation:	176.93	0400/10 Dec	176.22	0200/5 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.52	8 Jan
176.45	7 Feb
176.46	31 Mar
176.54	24 Apr
176.53	31 May
176.64	7 Jun
176.74	11 Jul
176.75	22 Aug
176.72	29 Sep
176.80	10 Oct
176.78	16 Nov
176.85	18 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.34	24 Jan
176.32	28 Feb
176.32	17 Mar
176.35	4 Apr
176.42	1 May
176.44	2 Jun
176.59	12 Jul
176.57	28 Aug
176.62	25 Sep
176.58	16 Oct
176.61	2 Nov
176.60	21 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
176.80												2	176.80	2
176.75										2	2	9	176.75	15
176.70							1	4	1	4	8	9	176.70	42
176.65							8	20	4	14	13	6	176.65	107
176.60						6	13	6	3	6	6	4	176.60	151
176.55						15	5	1		3		1	176.55	176
176.50	2			3	7	6							176.50	194
176.45	6		1	4	21	1							176.45	227
176.40	14	5	5	20	3	2							176.40	276
176.35	3	13	12	2									176.35	306
176.30	4	10	13	1									176.30	334

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	176.35	176.36	176.35	176.42	176.42	176.44	176.61	176.69	/	176.60	176.62	176.73
2	176.47	176.42	176.35	176.47	176.43	176.44	176.60	176.67	/	176.66*	176.61	176.77
3	176.45	176.35	176.35	176.46	176.46	176.50	176.59	176.73	/	/	176.64	176.79
4	176.41	176.37	176.34	176.35	176.50	176.52	176.59	176.68	/	/	176.68	176.74
5	176.41	176.38	176.34	176.45	176.51	176.53	176.63	176.68	/	176.64*	176.67	176.78
6	176.48	176.38	176.39	176.37	176.51	176.54	176.65	176.69	/	176.67	176.67	176.75
7	176.47	176.45	176.32	176.41	176.50	176.64	176.64	176.70	/	176.71	176.74	176.77
8	176.52	176.43	176.36	176.44	176.45	176.56	176.62	176.73	/	176.67	176.62	176.76
9	176.43*	176.40	176.32	176.43	176.47	176.59	176.62	176.69	/	176.69	176.63	176.75
10	176.40*	176.41	176.37	176.45	176.50	176.56	176.64	176.64	/	176.80	176.71	176.80
11	176.50	176.43	176.34	176.43	176.50	176.61	176.74	176.66	/	176.68	176.66	176.74
12	176.51	176.39	176.36	176.45	176.47	176.60	176.59	176.66	/	176.71	176.73	176.76
13	176.42*	176.36	176.41	176.41	176.47	176.56	176.67	176.69	/	176.67	176.68	176.81
14	/	176.36	176.38	176.45	176.46	176.59	176.63	176.67	/	176.66	176.69	176.79
15	176.46*	176.38	176.39	176.45	176.47	176.58	176.64	176.69	/	176.59	176.69	176.73
16	176.43	176.35	176.37	176.44	176.47	176.55	176.67	176.66	/	176.58	176.78	176.63
17	176.45*	176.34	176.32	176.43	176.47	176.60	176.67	176.61	/	176.64	176.73	176.74
18	/	176.33	176.38	176.45	176.50	176.57	176.67	176.67	/	176.69	176.71	176.85
19	176.43	176.36	176.37	176.48	176.52	176.56	176.63	176.70	/	176.68	176.70	176.68
20	176.38	176.38	176.34	176.42	176.48	176.62	176.64	176.66	/	176.76	176.75	176.63
21	176.35	176.34	176.33	176.45	176.47	176.58	176.67	176.66	/	176.62	176.70	176.60
22	176.39	176.38	176.38	176.51	176.46	176.59	176.65*	176.75	/	176.67	176.70	176.67
23	176.43	176.34	176.42	176.54	176.48	176.59	/	176.70	176.67*	176.66	176.64	176.71
24	176.34	176.32	176.43	176.54	176.49	176.63	/	176.68	176.70	176.68	176.67	176.64
25	176.42	176.32	176.40	176.50	176.51	176.59	/	176.65	176.62	176.67	176.77	176.66
26	176.41*	176.37	176.34	176.42	176.51	176.60	/	176.72	176.65	176.64	176.71	176.61
27	176.49	176.35	176.33	176.40	176.48	176.62	176.65*	176.61	176.63	176.65	176.70*	176.69
28	176.42	176.32	176.40	176.44	176.49	176.61	176.60	176.57	176.68	176.67	/	176.70
29	176.45		176.43	176.43	176.52	176.54	176.66	176.63	176.72	176.71	176.70*	176.68
30	176.41		176.42	176.42	176.48	176.52	176.70	176.66	176.68	176.72	176.74	176.71
31	176.35		176.46		176.53		176.66	176.65*		176.65		176.78
MEAN	176.43	176.37	176.37	176.44	176.48	176.57	176.64	176.67	176.67	176.67	176.69	176.72
MAX.	176.61	176.52	176.49	176.58	176.59	176.72	176.83	176.82	176.75	176.85	176.87	176.93
	0400/03	0700/07	1100/31	2100/23	1900/31	2000/07	1300/11	1200/22	1800/29	1000/10	1000/12	0400/10
MIN.	176.22	176.27	176.26	176.29	176.38	176.36	176.53	176.44	176.59	176.52	176.54	176.44
	0200/05	0300/25	0900/17	1100/04	1700/08	1600/02	0700/12	1500/28	0800/25	1500/01	2200/08	0500/26

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

/ Indicates No Data.

ANNUAL MEAN: 176.56

ANNUAL SUMMARY OF LEVELS, 1982

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

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	176.88	Dec	176.44	Mar
Daily mean elevation:	177.02	10 Dec	176.38	27 Mar
Instant/hourly elevation:	177.14	0500/10 Dec	176.28	0300/5 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.60	12 Jan
176.53	7 Feb
176.50	31 Mar
176.58	24 Apr
176.60	31 May
176.73	7 Jun
176.85	11 Jul
176.89	22 Aug
176.87	19 Sep
176.94	10 Oct
176.96	25 Nov
177.02	10 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.39	1 Jan
176.40	28 Feb
176.38	27 Mar
176.45	27 Apr
176.48	1 May
176.51	2 Jun
176.69	4 Jul
176.67	28 Aug
176.66	6 Sep
176.74	16 Oct
176.77	2 Nov
176.73	21 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
177.00												2	177.00	2
176.95											1	5	176.95	8
176.90										2	7	8	176.90	25
176.85								1	3	1	10	3	176.85	43
176.80							2	13	11	16	9	6	176.80	100
176.75							13	14	13	10	3	5	176.75	158
176.70						2	12	2	1	2		2	176.70	179
176.65						17	4	1	2				176.65	203
176.60						7							176.60	210
176.55	5			4	13	1							176.55	233
176.50	7	3		6	16	3							176.50	268
176.45	14	9	10	17	2								176.45	320
176.40	4	15	17	3									176.40	359
176.35	1	1	4										176.35	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	176.39	176.45	176.43	176.45	176.48	176.51	176.70	176.80	176.81	176.75	176.77	176.91
2	176.51	176.50	176.43	176.53	176.49	176.51	176.70	176.78	176.85	176.82	176.77	176.93
3	176.50	176.44	176.44	176.51	176.53	176.55	176.69	176.84	176.79	176.77	176.80	176.95
4	176.45	176.45	176.43	176.45	176.57	176.59	176.69	176.79	176.77	176.80	176.83	176.90
5	176.47	176.47	176.42	176.57	176.58	176.61	176.73	176.78	176.70	176.79	176.85	176.94
6	176.54	176.46	176.47	176.47	176.58	176.62	176.76	176.82	176.66	176.81	176.85	176.94
7	176.54	176.53	176.42	176.49	176.57	176.73	176.74	176.84	176.80	176.85	176.89	176.95
8	176.60	176.52	176.44	176.51	176.52	176.64	176.73	176.84	176.83	176.82	176.81	176.96
9	176.50	176.48	176.41	176.50	176.54	176.68	176.72	176.83	176.86	176.83	176.81	176.95
10	176.50	176.49	176.45	176.50	176.56	176.64	176.75	176.78	176.84	176.94	176.87	177.02
11	176.59	176.51	176.43	176.48	176.56	176.70	176.85	176.79	176.77	176.82	176.84	176.97
12	176.60	176.48	176.45	176.51	176.55	176.69	176.71	176.79	176.77	176.85	176.94	176.97
13	176.50	176.44	176.50	176.46	176.55	176.66	176.77	176.81	176.84	176.82	176.85	177.01
14	176.48	176.44	176.47	176.50	176.53	176.68	176.74	176.79	176.81	176.82	176.87	176.99
15	176.51	176.47	176.49	176.50	176.54	176.67	176.75	176.82	176.77	176.76	176.85	176.92
16	176.50	176.44	176.46	176.49	176.54	176.64	176.77	176.80	176.76	176.74	176.95	176.82
17	176.56	176.43	176.40	176.48	176.54	176.69	176.78	176.74	176.85	176.78	176.92	176.88
18	176.55	176.42	176.45	176.49	176.57	176.66	176.79	176.81	176.74	176.84	176.89	176.97
19	176.50	176.45	176.44	176.53	176.57	176.66	176.75	176.83	176.87	176.83	176.86	176.81
20	176.46	176.46	176.41	176.47	176.55	176.70	176.76	176.80	176.82	176.92	176.90	176.76
21	176.41	176.42	176.39	176.49	176.54	176.67	176.78	176.80	176.79	176.79	176.87	176.73
22	176.47	176.46	176.44	176.56	176.53	176.68	176.76	176.89	176.77	176.82	176.86	176.79
23	176.50	176.44	176.47	176.58	176.55	176.67	176.75	176.84	176.79	176.81	176.83	176.82
24	176.42	176.42	176.48	176.58	176.55	176.72	176.78	176.82	176.84	176.83	176.87	176.77
25	176.50	176.41	176.45	176.55	176.57	176.68	176.77	176.80	176.77	176.83	176.96	176.78
26	176.50	176.45	176.39	176.49	176.57	176.69	176.75	176.85	176.78	176.80	176.92	176.74
27	176.56	176.42	176.38	176.45	176.55	176.70	176.77	176.77	176.77	176.78	176.91	176.81
28	176.51	176.40	176.45	176.50	176.56	176.70	176.72	176.67	176.81	176.80	176.92	176.82
29	176.53		176.49	176.48	176.58	176.63	176.77	176.74	176.86	176.85	176.89	176.80
30	176.50		176.47	176.47	176.54	176.61	176.83	176.81	176.82	176.86	176.91	176.83
31	176.43		176.50		176.60		176.77	176.79		176.80		176.90
MEAN	176.50	176.46	176.44	176.50	176.55	176.65	176.75	176.80	176.80	176.82	176.87	176.88
MAX.	176.69	176.59	176.56	176.67	176.67	176.85	176.96	177.00	176.97	177.03	177.08	177.14
	1500/11	0700/07	1100/29	2000/23	1900/31	2000/07	1300/11	1300/22	1800/09	1000/10	1000/12	0500/10
MIN.	176.28	176.36	176.34	176.36	176.44	176.41	176.65	176.52	176.60	176.63	176.72	176.59
	0300/05	0600/25	0500/27	0800/27	1500/08	1500/02	0800/12	1600/28	1600/06	1700/01	1800/03	0500/26

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

/ Indicates No Data.

ANNUAL MEAN: 176.67

ANNUAL SUMMARY OF LEVELS, 1982

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

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	183.22	Nov	182.70	Mar
Daily mean elevation:	183.37	12 Nov	182.57	2 Apr
Instant/hourly elevation:	183.90	1600/12 Nov	182.26	1900/2 Apr

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
183.13	10 Jan
182.85	7 Feb
182.80	13 Mar
182.90	17 Apr
183.03	20 May
183.05	25 Jun
183.17	28 Jul
183.24	9 Aug
183.31	3 Sep
183.37	15 Oct
183.37	12 Nov
183.33	6 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
182.64	2 Jan
182.64	28 Feb
182.58	30 Mar
182.57	2 Apr
182.75	4 May
182.86	7 Jun
182.92	5 Jul
183.07	3 Aug
183.03	29 Sep
183.04	10 Oct
183.10	19 Nov
182.99	17 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
183.35										1	1		183.35	2
183.30									1	1	4	2	183.30	10
183.25										3	4	3	183.25	20
183.20								4	2	9	10	5	183.20	50
183.15							2	9	6	8	5	8	183.15	88
183.10	1						13	16	13	4	5	8	183.10	148
183.05							5	2	7	3	1	2	183.05	168
183.00					1	8	3		1	2		2	183.00	185
182.95	3				12	17	6					1	182.95	224
182.90	5				5	4	2						182.90	240
182.85	4			2	8	1							182.85	255
182.80	5	2		11	2								182.80	275
182.75	10	14	5	7	2								182.75	313
182.70		7	11	7	1								182.70	339
182.65	2	4	8	1									182.65	354
182.60	1	1	5	1									182.60	362
182.55			2	1									182.55	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	182.98	182.77	182.79	182.81	182.84	183.00	182.99	183.14	183.11	183.19	183.21	183.15
2	182.64	182.77	182.76	182.57	182.86	183.04	182.98	183.09	183.21	183.04	183.24	183.08
3	182.87	182.83	182.70	182.79	182.83	182.98	182.97	183.07	183.31	183.18	183.20	183.18
4	182.93	182.77	182.70	182.89	182.75	182.95	182.98	183.15	183.16	183.10	183.23	183.20
5	182.76	182.79	182.72	182.77	182.79	182.96	182.92	183.14	183.19	183.14	183.35	183.18
6	182.99	182.76	182.70	182.78	182.86	182.95	182.95	183.12	183.18	183.08	183.32	183.33
7	182.92	182.85	182.73	182.74	182.88	182.86	183.00	183.12	183.10	183.14	183.22	183.31
8	182.93	182.80	182.66	182.73	182.88	182.97	183.02	183.13	183.08	183.22	183.33	183.28
9	182.90	182.80	182.69	182.72	182.88	182.92	183.02	183.24	183.11	183.10	183.23	183.11
10	183.13	182.76	182.63	182.72	182.79	182.98	183.00	183.23	183.09	183.04	183.11	183.28
11	182.94	182.78	182.72	182.75	182.88	182.98	183.14	183.19	183.10	183.18	183.23	183.26
12	182.83	182.76	182.58	182.65	182.94	182.99	183.13	183.17	183.09	183.21	183.37	183.12
13	182.81	182.76	182.80	182.82	182.87	182.99	183.07	183.13	183.13	183.24	183.28	183.11
14	182.79	182.66	182.76	182.71	182.89	182.94	183.08	183.13	183.14	183.27	183.26	183.11
15	182.81	182.76	182.65	182.68	182.92	183.02	183.05	183.12	183.14	183.37	183.22	183.18
16	182.97	182.72	182.65	182.73	182.92	183.01	183.06	183.16	183.17	183.29	183.23	183.15
17	182.82	182.67	182.70	182.90	182.91	183.00	183.06	183.17	183.14	183.16	183.16	182.99
18	182.80	182.68	182.72	182.82	182.92	183.01	183.12	183.11	183.20	183.16	183.12	183.03
19	182.79	182.71	182.72	182.80	182.97	183.00	183.13	183.14	183.13	183.22	183.10	183.18
20	182.80	182.72	182.67	182.84	183.03	182.99	183.11	183.17	183.24	183.33	183.13	183.23
21	182.76	182.76	182.73	182.81	182.97	183.00	183.11	183.15	183.19	183.28	183.26	183.16
22	182.66	182.69	182.73	182.78	182.98	183.03	183.17	183.16	183.14	183.24	183.18	183.10
23	182.77	182.78	182.65	182.77	182.98	183.00	183.14	183.16	183.10	183.22	183.31	183.04
24	182.89	182.73	182.71	182.76	182.98	182.96	183.09	183.15	183.14	183.18	183.25	183.15
25	182.84	182.72	182.75	182.81	182.97	183.05	183.13	183.15	183.15	183.23	183.25	183.21
26	182.78	182.73	182.77	182.85	182.96	182.98	183.13	183.18	183.12	183.20	183.28	183.18
27	182.67	182.73	182.72	182.83	182.96	182.96	183.15	183.22	183.14	183.15	183.20	183.12
28	182.95	182.64	182.67	182.81	182.98	183.00	183.17	183.22	183.06	183.14	183.14	183.25
29	182.78		182.64	182.81	182.97	183.04	183.11	183.11	183.03	183.18	183.18	183.25
30	182.86		182.58	182.82	183.00	183.04	183.11	183.17	183.13	183.23	183.13	183.22
31	182.78		182.74		182.98		183.12	183.11		183.22		183.18
MEAN	182.84	182.75	182.70	182.78	182.91	182.99	183.07	183.15	183.14	183.19	183.22	183.17
MAX.	183.38	182.97	183.09	183.15	183.13	183.17	183.39	183.37	183.41	183.60	183.90	183.72
	2100/10	2400/07	2000/13	2200/03	2000/20	1000/02	1400/17	1200/09	1100/03	2100/20	1600/12	1900/28
MIN.	182.38	182.44	182.36	182.26	182.41	182.47	182.64	182.75	182.77	182.87	182.77	182.87
	2000/02	1900/14	0500/16	1900/02	1600/10	0900/07	1600/17	1700/03	2400/29	0700/10	0200/12	1800/17

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

/ Indicates No Data.

ANNUAL MEAN: 182.99

ANNUAL SUMMARY OF LEVELS, 1982

Station 7023: Ludington, Michigan on Lake Michigan

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	176.54	Jul	176.31	Mar
Daily mean elevation:	176.65	28 Dec	176.18	11 Jan
Instant/hourly elevation:	176.81	1000/28 Dec	176.10	2300/10 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.54	23 Jan
176.36	17 Feb
176.39	30 Mar
176.54	3 Apr
176.53	22 May
176.54	26 Jun
176.59	16 Jul
176.64	4 Aug
176.57	15 Sep
176.63	10 Oct
176.51	20 Nov
176.65	28 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.18	11 Jan
176.27	8 Feb
176.22	14 Mar
176.29	1 Apr
176.43	2 May
176.48	30 Jun
176.49	12 Jul
176.45	28 Aug
176.42	3 Sep
176.38	16 Oct
176.33	6 Nov
176.42	11 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
176.60								1		1		1	176.60	3
176.55							13	6	1			6	176.55	29
176.50	2			1	8	13	14	14	13	7	1	9	176.50	111
176.45				3	17	17	4	9	12	9	12	12	176.45	206
176.40	2			10	6			1	4	10	10	3	176.40	252
176.35	7	2	6	10						4	6		176.35	287
176.30	13	13	6	4							1		176.30	324
176.25	6	13	17	2									176.25	362
176.20			2										176.20	364
176.15	1												176.15	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

Station 7023: Ludington, Michigan on Lake Michigan

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	176.34	176.31	176.31	176.29	176.43	176.48	176.50	176.53	176.55	176.48	176.48	176.47
2	176.34	176.32	176.23	176.32	176.43	176.48	176.51	176.60	176.53	176.52	176.50	176.51
3	176.45	176.36	176.27	176.54	176.45	176.49	176.52	176.60	176.42	176.50	176.47	176.56
4	176.51	176.28	176.30	176.30	176.47	176.51	176.51	176.64	176.45	176.48	176.43	176.46
5	176.42	176.34	176.27	176.33	176.50	176.49	176.52	176.59	176.49	176.51	176.45	176.59
6	176.39	176.34	176.29	176.37	176.49	176.49	176.53	176.60	176.53	176.52	176.33	176.55
7	176.30	176.31	176.27	176.35	176.46	176.49	176.52	176.59	176.51	176.52	176.40	176.45
8	176.32	176.27	176.27	176.37	176.45	176.52	176.49	176.58	176.51	176.48	176.40	176.49
9	176.28	176.32	176.31	176.36	176.45	176.49	176.50	176.54	176.47	176.51	176.38	176.48
10	176.26	176.30	176.29	176.37	176.51	176.51	176.56	176.48	176.51	176.63	176.47	176.47
11	176.18	176.30	176.31	176.37	176.50	176.48	176.57	176.51	176.52	176.54	176.45	176.42
12	176.34	176.30	176.30	176.40	176.47	176.50	176.49	176.50	176.51	176.48	176.49	176.45
13	176.38	176.31	176.37	176.43	176.50	176.49	176.54	176.51	176.52	176.47	176.39	176.51
14	176.39	176.31	176.22	176.38	176.51	176.49	176.58	176.52	176.52	176.46	176.48	176.50
15	176.38	176.34	176.27	176.44	176.49	176.52	176.56	176.53	176.57	176.39	176.42	176.53
16	176.31	176.33	176.36	176.41	176.49	176.48	176.59	176.52	176.46	176.38	176.39	176.51
17	176.27	176.36	176.38	176.42	176.50	176.49	176.57	176.49	176.48	176.42	176.45	176.52
18	176.33	176.34	176.30	176.32	176.48	176.52	176.57	176.50	176.45	176.44	176.47	176.57
19	176.38	176.31	176.33	176.46	176.48	176.51	176.58	176.51	176.46	176.46	176.46	176.55
20	176.34	176.30	176.35	176.49	176.44	176.50	176.58	176.50	176.49	176.52	176.51	176.48
21	176.35	176.30	176.37	176.41	176.50	176.52	176.56	176.49	176.47	176.40	176.45	176.46
22	176.39	176.28	176.29	176.39	176.53	176.50	176.57	176.50	176.48	176.45	176.46	176.52
23	176.54	176.29	176.30	176.40	176.52	176.51	176.56	176.52	176.44	176.43	176.47	176.56
24	176.34	176.32	176.33	176.39	176.49	176.52	176.55	176.53	176.49	176.42	176.41	176.59
25	176.31	176.29	176.30	176.43	176.49	176.50	176.54	176.51	176.55	176.42	176.37	176.58
26	176.32	176.28	176.30	176.44	176.51	176.54	176.55	176.51	176.49	176.44	176.45	176.49
27	176.36	176.28	176.27	176.43	176.52	176.53	176.55	176.52	176.49	176.45	176.42	176.53
28	176.34	176.30	176.28	176.44	176.52	176.52	176.53	176.45	176.49	176.49	176.48	176.65
29	176.27		176.30	176.45	176.50	176.53	176.51	176.47	176.54	176.45	176.50	176.47
30	176.31		176.39	176.46	176.51	176.48	176.56	176.49	176.52	176.40	176.45	176.46
31	176.30		176.38		176.49		176.53	176.53		176.45		176.49
MEAN	176.35	176.31	176.31	176.40	176.49	176.50	176.54	176.53	176.50	176.47	176.44	176.51
MAX.	176.74	176.49	176.54	176.74	176.62	176.63	176.72	176.75	176.64	176.67	176.61	176.81
	0600/23	1600/24	2400/19	1400/03	0800/28	0700/10	2400/16	0100/04	1500/01	1800/10	1400/02	1000/28
MIN.	176.10	176.18	176.15	176.21	176.35	176.34	176.38	176.37	176.36	176.34	176.27	176.36
	2300/10	1400/22	0300/20	0500/02	2000/20	0600/07	1300/07	2300/29	2200/03	1200/16	1200/06	0800/02

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

/ Indicates No Data.

ANNUAL MEAN: 176.45

ANNUAL SUMMARY OF LEVELS, 1982
Station 7031: Holland, Michigan on Lake Michigan

INTERNATIONAL GREAT LAKES DATUM (1955)

HIGHEST			LOWEST		
Monthly mean elevation:	176.50	Aug	Monthly mean elevation:	176.28	Mar
Daily mean elevation:	176.59	4 Aug	Daily mean elevation:	176.20	29 Jan
Instant/hourly elevation:	176.80	1400/4 Jan	Instant/hourly elevation:	176.13	1200/27 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.57	4 Jan
176.35	3 Feb
176.35	20 Mar
176.46	20 Apr
176.52	22 May
176.54	29 Jun
176.55	22 Jul
176.59	4 Aug
176.56	25 Sep
176.56	10 Oct
176.48	2 Nov
176.54	5 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.20	29 Jan
176.22	22 Feb
176.23	28 Mar
176.25	2 Apr
176.39	2 May
176.43	11 Jun
176.45	12 Jul
176.42	29 Aug
176.41	23 Sep
176.31	30 Oct
176.29	6 Nov
176.39	13 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
176.55	1							4	1	1			176.55	7
176.50					1	6	16	9				8	176.50	47
176.45	1			1	16	18	11	12	7	5	4	8	176.45	130
176.40	2			7	12	6	4	4	3	8	11	12	176.40	199
176.35	9			5	2					13	9	3	176.35	240
176.30	9	5	7	10						4	5		176.30	280
176.25	6	14	16	5							1		176.25	322
176.20	2	9	8	2									176.20	343
176.15	1												176.15	344

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

Station 7031: Holland, Michigan on Lake Michigan

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	176.36	176.27	176.27	176.25	176.42	176.45	176.45	176.50*	176.50*	176.48	176.44	176.46
2	176.27	176.28	176.27	176.25	176.39	176.47	176.46	176.59	/	176.47	176.48	176.46
3	176.42	176.35	176.25	176.44	176.43	176.49	176.49	176.55	/	176.47	176.41	176.49
4	176.57	176.27	176.31	176.30	176.43	176.49	176.49	176.59	/	176.44	176.38	176.45
5	176.38	176.33	176.27	176.30	176.44*	176.47	176.47	176.57	/	176.46	176.43	176.54
6	176.38	176.30	176.25	176.35	176.42	176.45	176.46	176.57	/	176.45	176.29	176.53
7	176.28	176.24	176.30	176.29	176.40	176.48	176.45	176.55	/	176.45	176.31	176.42
8	176.30	176.25	176.23	176.31	176.42	176.49	176.46	176.55	/	176.44	176.37	176.49
9	176.36	176.28	176.33	176.32	176.42	176.48	176.45	176.53*	/	176.45	176.36	176.44
10	176.43*	176.24	176.25	176.28	176.44	176.47	176.50	176.47	/	176.56	176.42	176.44
11	176.26*	176.24	176.30	176.32	176.45	176.43	176.52	176.51	/	176.48	176.42	176.40
12	176.33*	176.27	176.23	176.31	176.44	176.46	176.45	176.51*	/	176.42	176.45	176.41
13	176.36	176.27	176.29	176.38	176.47	176.45	176.51	176.50	/	176.44	176.36	176.39
14	176.36	176.27	176.23	176.32	176.47	176.45	176.54	176.51	/	176.40	176.46	176.43
15	176.33	176.30	176.27	176.36	176.46	176.51	176.51	176.51	/	176.40	176.35	176.49
16	176.38	176.30	176.35	176.37	176.46	176.46	176.50	176.49	/	176.38	176.32	176.51
17	176.23*	176.31	176.35	176.38	176.47	176.46	176.52	176.49	/	176.36	176.40	176.43
18	176.33	176.31	176.29	176.29	176.45	176.52	176.53	/	/	176.36	176.41	176.45
19	176.32	176.26	176.30	176.41	176.42	176.49	176.55	/	/	176.37	176.41	176.51
20	176.32	176.25	176.35	176.46	176.46	176.47	176.54	176.50	/	176.45	176.43	176.44
21	176.36	176.29	176.34	176.35	176.48	176.50	176.52	176.47	176.49*	176.37	176.39	176.43
22	176.32	176.22	176.27	176.35	176.52	176.49	176.55	176.44	176.46	176.40	176.40	176.45
23	176.46	176.30	176.26	176.34	176.50	176.48	176.53	176.49	176.41	176.37	176.47	176.50
24	176.39	176.31	176.28	176.32	176.46	176.47	176.51	176.50	176.49	176.35	176.37	176.52
25	176.32	176.27	176.30	176.37	176.46	176.50	176.49	176.48	176.56	176.34	176.31	176.53
26	176.29	176.23	176.32	176.44	176.48	176.52	176.52	176.44	176.50	176.38	176.42	176.47
27	176.24	176.24	176.28	176.41	176.50	176.52	176.54	176.51	176.50	176.38	176.35	176.51
28	176.32	176.25	176.23	176.41	176.48	176.52	176.52*	176.44	176.45	176.38	176.40	176.53
29	176.20		176.25	176.44	176.49	176.54*	176.48	176.42	176.47	176.35	176.46	176.47
30	176.30		176.28	176.45	176.49	176.45*	176.53	176.47	176.45	176.31	176.41	176.40
31	176.32		176.30		176.47		176.50*	176.48		176.39		176.41
MEAN	176.34	176.28	176.28	176.35	176.45	176.48	176.50	176.50	176.48	176.41	176.40	176.46
MAX.	176.80	176.38	176.42	176.78	176.56	176.58	176.58	176.63	176.59	176.64	176.67	176.73
	1400/04	1300/03	0300/17	1900/03	0300/23	1700/15	1400/20	1200/02	0700/25	1700/20	1600/12	0400/06
MIN.	176.13	176.18	176.19	176.18	176.36	176.38	176.39	176.41	176.38	176.27	176.26	176.35
	1200/27	2100/22	1900/08	0200/02	2000/06	2100/06	2000/07	0400/29	2100/23	0800/30	1700/25	0700/12

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

/ Indicates No Data.

ANNUAL MEAN: 176.41

ANNUAL SUMMARY OF LEVELS, 1982

Station 7044: Calumet Harbor, Illinois on Lake Michigan

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	176.52	Aug	176.29	Mar
Daily mean elevation:	176.63	25 Sep	176.12	7 Feb
Instant/hourly elevation:	176.83	2000/5 Apr	175.65	0900/3 Apr

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.53	31 Jan
176.47	3 Feb
176.40	26 Mar
176.52	5 Apr
176.59	21 May
176.59	26 Jun
176.60	28 Jul
176.61	6 Aug
176.63	25 Sep
176.55	10 Oct
176.53	23 Nov
176.59	16 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.14	27 Jan
176.12	7 Feb
176.15	13 Mar
176.18	3 Apr
176.41	7 May
176.46	11 Jun
176.44	12 Jul
176.40	22 Aug
176.42	23 Sep
176.29	29 Oct
176.23	6 Nov
176.26	13 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
176.60								1	1				176.60	2
176.55					2	6	8	6	6			1	176.55	31
176.50	2			1	9	14	10	15	5	4	2	6	176.50	99
176.45	1	1		6	13	10	9	6	10	3	3	11	176.45	172
176.40	3	2		2	7		4	2	8	10	12	6	176.40	228
176.35	7	4	7	10				1		8	6	3	176.35	274
176.30	4	5	6	8						4	3	3	176.30	307
176.25	6	7	8	2						2	2	1	176.25	335
176.20	4	6	8								2		176.20	355
176.15	2	2	1	1									176.15	361
176.10	2	1	1										176.10	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

Station 7044: Calumet Harbor, Illinois on Lake Michigan

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	176.36	176.34	176.25	176.28	176.45	176.49	176.50	176.49	176.51	176.52	176.47	176.47
2	176.30	176.31	176.36	176.33	176.42	176.52	176.49	176.55	176.46	176.51	176.52	176.46
3	176.46	176.47	176.35	176.18	176.45	176.58	176.53	176.53	176.44	176.49	176.37	176.43
4	176.53	176.38	176.40	176.38	176.46	176.56	176.54	176.57	176.45	176.46	176.32	176.49
5	176.37	176.37	176.28	176.52	176.45	176.53	176.51	176.59	176.45	176.48	176.36	176.54
6	176.43	176.21	176.25	176.48	176.42	176.48	176.45	176.61	176.59	176.45	176.23	176.50
7	176.30	176.12	176.31	176.38	176.41	176.53	176.45	176.58	176.58	176.42	176.27	176.46
8	176.24	176.25	176.20	176.35	176.47	176.52	176.49	176.55	176.50	176.45	176.41	176.55
9	176.38	176.29	176.29	176.34	176.47	176.53	176.48	176.56	176.45	176.52	176.49	176.46
10	176.23	176.20	176.24	176.27	176.48	176.48	176.50	176.54	176.46	176.55	176.45	176.40
11	176.20	176.18	176.27	176.36	176.46	176.46	176.50	176.56	176.45	176.44	176.38	176.44
12	176.31	176.28	176.23	176.33	176.49	176.49	176.44	176.56	176.45	176.40	176.35	176.45
13	176.40	176.28	176.15	176.38	176.51	176.47	176.53	176.55	176.47	176.45	176.37	176.26
14	176.38	176.23	176.22	176.38	176.52	176.47	176.53	176.53	176.55	176.33	176.45	176.34
15	176.30	176.26	176.31	176.40	176.49	176.53	176.50	176.53	176.59	176.43	176.31	176.52
16	176.30	176.38	176.38	176.39	176.47	176.53	176.49	176.52	176.55	176.45	176.26	176.59
17	176.17	176.42	176.37	176.32	176.51	176.51	176.45	176.54	176.46	176.37	176.38*	176.43
18	176.28	176.35	176.30	176.32	176.48	176.56	176.51	176.49	176.49	176.31	176.45*	176.34
19	176.33	176.25	176.36	176.42	176.44	176.51	176.55	176.42	176.44	176.33	176.45	176.49
20	176.40	176.27	176.40	176.45	176.55	176.48	176.58	176.51	176.56	176.31	176.43	176.49
21	176.44	176.33	176.32	176.37	176.59	176.51	176.57	176.53	176.60	176.38	176.42	176.46
22	176.41	176.24	176.27	176.38	176.57	176.52	176.60	176.40	176.54	176.42	176.47	176.44
23	176.15	176.40	176.26	176.33	176.54	176.50	176.60	176.49	176.42	176.38	176.53	176.52
24	176.31	176.42	176.27	176.33	176.50	176.47	176.56	176.53	176.50	176.36	176.36	176.55
25	176.34	176.32	176.33	176.38	176.51	176.53	176.50	176.53	176.63	176.36	176.25	176.49
26	176.30	176.25	176.40	176.49	176.52	176.59	176.56	176.45	176.56	176.41	176.42	176.49
27	176.14	176.29	176.35	176.49	176.53	176.56	176.58	176.55	176.52	176.40	176.41	176.55
28	176.25	176.28	176.24	176.48	176.49	176.53	176.60	176.50	176.47	176.38	176.45	176.32
29	176.21		176.27	176.50	176.51	176.57	176.54	176.48	176.48	176.29	176.44	176.43
30	176.39		176.24	176.46	176.50	176.53	176.55	176.49	176.47	176.30	176.42	176.39
31	176.53		176.24		176.49		176.52	176.54		176.42		176.38
MEAN	176.33	176.30	176.29	176.38	176.49	176.52	176.52	176.52	176.50	176.41	176.40	176.46
MAX.	176.67	176.67	176.54	176.83	176.74	176.70	176.71	176.81	176.68	176.60	176.68	176.76
	2000/04	1200/24	0500/20	2000/05	2400/21	1500/25	0300/28	0600/04	1400/06	1100/01	1600/02	0200/06
MIN.	175.89	175.95	176.00	175.65	176.30	176.16	176.31	176.25	176.32	176.06	176.13	176.02
	0900/27	0900/07	0900/13	0900/03	0600/07	2100/06	0700/07	0600/19	0900/05	0400/20	0900/12	1400/28

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

/ Indicates No Data.

ANNUAL MEAN: 176.43

ANNUAL SUMMARY OF LEVELS, 1982
Station 7057: Milwaukee, Wisconsin on Lake Michigan

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	176.53	Jul	176.29	Mar
Daily mean elevation:	176.60	5 Dec	176.18	13 Mar
Instant/hourly elevation:	176.70	1300/5 Dec	176.02	1100/13 Mar

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.56	4 Jan
176.38	23 Feb
176.40	20 Mar
176.47	29 Apr
176.56	22 May
176.55	26 Jun
176.58	22 Jul
176.60	6 Aug
176.58	25 Sep
176.58	10 Oct
176.50	10 Nov
176.60	5 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.18	11 Jan
176.20	7 Feb
176.18	13 Mar
176.31	10 Apr
176.42	7 May
176.47	13 Jun
176.45	12 Jul
176.43	22 Aug
176.41	3 Sep
176.34	30 Oct
176.28	6 Nov
176.39	13 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
176.55	1				1		6	7	3	1		4	176.55	23
176.50					10	13	21	12	8	2		3	176.50	92
176.45	1			3	13	17	3	10	16	7	9	15	176.45	186
176.40	3			6	7		1	2	3	11	8	8	176.40	235
176.35	6	3	3	9						9	6	1	176.35	272
176.30	7	8	5	7						1	5		176.30	305
176.25	7	10	14								2		176.25	338
176.20	4	6	5										176.20	353
176.15	2	1	2										176.15	358

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

Station 7057: Milwaukee, Wisconsin on Lake Michigan

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	176.34	176.31	176.25	/	176.43	176.48	176.51	176.52	176.52	176.50	176.48	176.50
2	176.39	176.32	176.30	/	176.42	176.49	176.52	176.58	176.46	176.51	176.49	176.50
3	176.45	176.38	176.31	/	176.45	176.52	176.52	176.58	176.41	176.48	176.40	176.49
4	176.56	176.32	176.36	/	176.48	176.51	176.52	176.59	176.45	176.47	176.35	176.46
5	176.41	176.34	176.26	/	176.48	176.50	176.52	176.58	176.48	176.49	176.36	176.60
6	176.37	176.24	176.25	176.38*	176.45	176.49	176.51	176.60	176.56	176.49	176.28	176.49
7	176.27	176.20	176.27	176.35	176.42	176.53	176.47	176.59	176.55	176.45	176.35	176.43
8	176.27	176.24	176.24	176.35	176.45	176.50	176.47	176.56	176.49	176.46	176.39	176.50
9	176.28	176.25	176.27	176.35	176.46	176.51	176.48	176.52	176.47	176.55	176.45	176.46
10	176.19	176.21	176.26	176.31	176.49	176.49	176.53	176.51	176.49	176.58	176.50	176.42
11	176.18	176.23	176.27	176.35	176.49	176.47	176.52	176.54	176.47	176.47	176.45	176.41
12	176.34	176.29	176.25	176.37	176.46	176.49	176.45	176.54	176.48	176.42	176.39	176.44
13	176.39	176.29	176.18	176.38	176.51	176.47	176.53	176.53	176.49	176.44	176.38	176.39
14	176.38	176.30	176.20	176.38	176.52	176.49	176.55	176.52	176.53	176.37	176.45	176.44
15	176.32	176.31	176.30	176.41	176.50	176.53	176.54	176.53	176.57	176.38	176.35	176.52
16	176.24	176.33	176.36	176.41	176.48	176.49	176.53	176.51	176.49	176.41	176.33	176.52
17	176.21	176.38	176.34	176.38	176.51	176.50	176.52	176.50	176.48	176.41	176.43	176.49
18	176.32	176.33	176.30	176.32	176.49	176.55	176.53	176.50	176.47	176.39	176.45	176.49
19	176.35	176.28	176.35	176.45	176.45	176.50	176.54	176.46	176.45	176.42	176.46	176.50
20	176.39	176.28	176.40	176.46	176.48	176.51	176.56	176.50	176.51	176.40	176.48	176.46
21	176.42	176.29	176.32	176.37	176.54	176.51	176.56	176.50	176.50	176.37	176.40	176.47
22	176.48	176.27	176.27	176.38	176.56	176.50	176.58	176.43	176.50	176.42	176.45	176.50
23	176.30	176.38	176.29	176.36	176.52	176.50	176.57	176.48	176.46	176.39	176.47	176.57
24	176.29	176.35	176.28	176.35	176.49	176.50	176.55	176.52	176.51	176.38	176.35	176.56
25	176.31	176.30	176.29	176.40	176.48	176.51	176.52	176.48	176.58	176.38	176.30	176.53
26	176.30	176.25	176.33	176.45	176.51	176.55	176.55	176.45	176.52	176.42	176.43	176.47
27	176.27	176.28	176.30	176.42	176.53	176.54	176.56	176.51	176.50	176.43	176.41	176.56
28	176.25	176.28	176.25	176.45	176.51	176.52	176.55	176.47	176.52	176.44	176.48	176.48
29	176.23		176.29*	176.47	176.51	176.54	176.53	176.49	176.51	176.37	176.46	176.44
30	176.33		/	176.46	176.51	176.49	176.56	176.49	176.48	176.34	176.46	176.41
31	176.39		/		176.50		176.52	176.53		176.42		176.41
MEAN	176.33	176.29	176.29	176.39	176.49	176.51	176.53	176.52	176.50	176.43	176.41	176.48
MAX.	176.69	176.57	176.60	176.55	176.62	176.67	176.67	176.68	176.69	176.63	176.63	176.70
	0400/04	2400/23	0700/20	2300/19	1400/22	0300/07	0500/07	1200/05	1200/01	0600/10	0200/02	1300/05
MIN.	176.09	176.10	176.02	176.26	176.29	176.34	176.37	176.38	176.38	176.25	176.24	176.31
	2300/10	2300/06	1100/13	2100/10	0700/07	2000/06	0200/07	0700/22	0600/03	0300/20	0600/25	2200/13

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

/ Indicates No Data.

ANNUAL MEAN: 176.43

ANNUAL SUMMARY OF LEVELS, 1982

Station 7068: Kewaunee, Wisconsin on Lake Michigan

INTERNATIONAL GREAT LAKES DATUM (1955)

HIGHEST			LOWEST		
Monthly mean elevation:	176.51	Jul	Monthly mean elevation:	176.28	Mar
Daily mean elevation:	176.59	10 Oct	Daily mean elevation:	176.14	11 Jan
Instant/hourly elevation:	176.72	2000/5 Dec	Instant/hourly elevation:	176.04	0400/11 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.47	4 Jan
176.34	17 Feb
176.36	20 Mar
176.44	16 Apr
176.51	22 May
176.51	28 Jun
176.53	30 Jul
176.56	7 Aug
176.54	15 Sep
176.59	10 Oct
176.49	20 Nov
176.55	28 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.14	11 Jan
176.22	8 Feb
176.18	14 Mar
176.23	1 Apr
176.42	20 May
176.45	14 Jun
176.44	12 Jul
176.45	30 Aug
176.38	3 Sep
176.33	30 Oct
176.29	6 Nov
176.36	11 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
176.55								3		1			176.55	4
176.50					2	4	19	4	5	2		8	176.50	48
176.45	1				20	21	4	21	14	4	4	11	176.45	148
176.40	5			3	7	3	1	3	10	13	12	9	176.40	214
176.35	3		1	3					1	10	9	3	176.35	244
176.30	7	6	5	8						1	4		176.30	275
176.25	6	15	17	1							1		176.25	315
176.20	7	7	7	1									176.20	337
176.15	1		1										176.15	339
176.10	1												176.10	340

INTERNATIONAL
GREAT LAKES
DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

Station 7068: Kewaunee, Wisconsin on Lake Michigan

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	176.31	176.31	176.25	176.23	/	176.47	/	176.50	176.51	176.44	176.44	176.47
2	176.41	176.31	176.21	176.33	/	176.45	/	176.56	176.45	176.51	176.47	176.47
3	176.41	176.29	176.28	176.42	176.43*	176.49	/	176.55	176.38	176.45	176.41	176.49
4	176.47	176.29	176.28	176.27	176.47	176.49	/	176.55	176.45	176.44	176.37	176.42
5	176.41	176.31	176.24	176.31	176.49	176.47	/	176.54	176.45	176.46	176.36	176.55
6	176.30	176.28	176.24	176.37	176.46	176.46	/	176.56	176.51	176.48	176.29	176.49
7	176.24	176.23	176.24	176.32	176.42	176.51	/	176.56	176.51	176.47	176.35	176.39
8	176.25	176.22	176.26	176.32	176.42	176.49	176.47*	176.54	176.47	176.42	176.34	176.44
9	176.22	176.25	176.27	176.34	176.44	176.49	176.46	176.49	176.44	176.52	176.39	176.48
10	176.17	176.24	176.28	176.32	176.49	176.50	176.51	176.48	176.46	176.59	176.48	176.39
11	176.14	176.23	176.25	176.35	176.49	176.45	176.51	176.50	176.46	176.48	176.44	176.36
12	176.31	176.26	176.26*	176.37	176.43	176.48	176.44	176.50	176.45	176.42	176.42	176.42
13	176.36	176.29	176.24	176.37	176.50	176.46	176.50	176.50	176.46	176.43	176.37	176.46
14	176.38	176.32	176.18	176.35	176.49	176.45	176.52	176.50	176.47	176.40	176.43	176.45
15	176.34	176.30	176.27	176.41	176.49	176.49	176.51	176.50	176.54	176.39	176.38	176.47
16	176.21	176.30	176.34	176.44*	176.47	176.47	176.53	176.49	176.47	176.40	176.33	176.48
17	176.23	176.34	176.34	/	176.48	176.49	176.51	176.47	176.47	176.43	176.41	176.53
18	176.31	176.32	176.29	/	176.49	176.49	176.52	176.49	176.43	176.41	176.44	176.53
19	176.35	176.27	176.29	/	176.44	176.49	176.49	176.46	176.43	176.42	176.45	176.47
20	176.32	176.27	176.36	/	176.42*	176.49	176.52	176.46	176.44	176.43	176.49	176.42
21	176.39	176.27	176.33	/	176.51*	176.49	176.52	176.49	176.48	176.38	176.38	176.46
22	176.45	176.27	176.27	/	176.51	176.49	176.52	176.45	176.48	176.41	176.42	176.50
23	176.44	176.26	176.30	/	176.49	176.48	176.53	176.46	176.45	176.38	176.44	176.54
24	176.28	176.30	176.29	/	176.46	176.49	176.53	176.47	176.46	176.37	176.37	176.53
25	176.28	176.27	176.27	/	176.47	176.47	176.51	176.49	176.52	176.36	176.32	176.54
26	176.30	176.23	176.27	/	176.47	176.51	176.52	176.47	176.49	176.40	176.40	176.45
27	176.35	176.25	176.28	/	176.49	176.51	176.52	176.48	176.47	176.42	176.40	176.52
28	176.25	176.30	176.27	/	176.48	176.51*	176.51	176.45	176.48	176.45	176.45	176.55
29	176.23		176.29	/	176.47	/	176.52	176.49	176.49	176.39	176.46	176.41
30	176.28		176.35	/	176.48	/	176.53	176.45	176.45	176.33	176.44	176.42
31	176.30		176.31		176.47		176.51	176.47		176.38		176.43
MEAN	176.31	176.28	176.28	176.34	176.47	176.48	176.51	176.50	176.47	176.43	176.40	176.47
MAX.	176.58	176.41	176.50	176.64	176.60	176.66	176.66	176.65	176.63	176.65	176.60	176.72
	0900/04	1700/02	1000/16	0800/03	1400/16	1100/07	1100/18	1700/03	0700/01	2100/09	2100/01	2000/05
MIN.	176.04	176.13	176.13	176.18	176.33	176.36	176.38	176.36	176.36	176.29	176.24	176.29
	0400/11	0900/22	0800/14	2300/01	1500/29	1900/06	0600/18	2200/19	2200/03	0600/30	0700/01	0100/11

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

ANNUAL MEAN: 176.41

ANNUAL SUMMARY OF LEVELS, 1982

Station 7072: Sturgeon Bay Canal, Wisconsin on Lake Michigan

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST			LOWEST		
Monthly mean elevation:	176.50	Jul		176.27	Mar	
Daily mean elevation:	176.59	10 Oct		176.14	11 Jan	
Instant/hourly elevation:	176.70	0800/28 Dec		176.08	0400/11 Jan	

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.46	23 Jan
176.31	17 Feb
176.37	30 Mar
176.45	20 Apr
176.49	27 May
176.50	27 Jun
176.53	30 Jul
176.56	6 Aug
176.56	15 Sep
176.59	10 Oct
176.48	20 Nov
176.54	23 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.14	11 Jan
176.22	8 Feb
176.17	14 Mar
176.22	1 Apr
176.41	2 May
176.43	6 Jun
176.43	12 Jul
176.44	30 Aug
176.38	3 Sep
176.33	15 Oct
176.29	6 Nov
176.35	11 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
176.55								3	1	1			176.55	5
176.50							17	5	2	1		7	176.50	37
176.45	1				19	27	11	18	15	5	4	8	176.45	145
176.40	3			6	12	3	3	5	11	12	11	12	176.40	223
176.35	6		2	12					1	9	7	3	176.35	263
176.30	4	3	4	8						3	7	1	176.30	293
176.25	7	15	14	2							1		176.25	332
176.20	6	10	9	2									176.20	359
176.15	3		2										176.15	364
176.10	1												176.10	365

INTERNATIONAL
GREAT LAKES
DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

Station 7072: Sturgeon Bay Canal, Wisconsin on Lake Michigan

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	176.29	176.31	176.24	176.22	176.41	176.46	176.48	176.50	176.51	176.42	176.43	176.47
2	176.41	176.28	176.19	176.35	176.41	176.45	176.47	176.56	176.45	176.48	176.46	176.49
3	176.38	176.27	176.26	176.40	176.42	176.48	176.50	176.56	176.38	176.44	176.41	176.47
4	176.43	176.28	176.27	176.25	176.45	176.47	176.51	176.55	176.42	176.44	176.37	176.45
5	176.40	176.29	176.24	176.28	176.46	176.46	176.49	176.55	176.45	176.46	176.37	176.54
6	176.31	176.28	176.24	176.36	176.46	176.43	176.49	176.56	176.48	176.48	176.29	176.45
7	176.23	176.23	176.22	176.31	176.42	176.48	176.45	176.54	176.50	176.46	176.35	176.38
8	176.23	176.22	176.24	176.30	176.42	176.47	176.45	176.55	176.46	176.42	176.34	176.44
9	176.20	176.23	176.27	176.34	176.48	176.49	176.46	176.48	176.44	176.52	176.39	176.45
10	176.18	176.24	176.26	176.32	176.48	176.48	176.52	176.48	176.46	176.59	176.48	176.37
11	176.14	176.23	176.23	176.33	176.49	176.44	176.52	176.49	176.46	176.49	176.41	176.35
12	176.30	176.26	176.28	176.35	176.43	176.47	176.43	176.50	176.45	176.41	176.41	176.42
13	176.36	176.29	176.25	176.36	176.49	176.46	176.50	176.49	176.47	176.43	176.34	176.45
14	176.36	176.31	176.17	176.35	176.49	176.46	176.52	176.51	176.46	176.38	176.41	176.42
15	176.32	176.30	176.25	176.38	176.48	176.48	176.51	176.50	176.56	176.33	176.35	176.47
16	176.19	176.27	176.35	176.41	176.45	176.46	176.52	176.49	176.46	176.38	176.32	176.48
17	176.21	176.31*	176.34	176.37	176.47	176.47	176.51	176.48	176.46	176.42	176.40	176.51
18	176.29	176.29*	176.28	176.31	176.47	176.48	176.49	176.49	176.43	176.39	176.43	176.52
19	176.34	176.27	176.27	176.42	176.44	176.47	176.49	176.46	176.44	176.42	176.45	176.48
20	176.31	176.25	176.36	176.45	176.42	176.47	176.52	176.45	176.44	176.41	176.48	176.42
21	176.38	176.24	176.31	176.36	176.48	176.49	176.52	176.48	176.48	176.35	176.38	176.45
22	176.44	176.27	176.26	176.36	176.49	176.47	176.52	176.45	176.46	176.40	176.42	176.49
23	176.46	176.24	176.29	176.37	176.48	176.47	176.52	176.45	176.44	176.38	176.45	176.54
24	176.26	176.29	176.28	176.36	176.45	176.49	176.53	176.46	176.45	176.36	176.34	176.52
25	176.26	176.26	176.26	176.40	176.45	176.46	176.50	176.48	176.51	176.36	176.31	176.53
26	176.29	176.23	176.25	176.40	176.46	176.50	176.51	176.48	176.48	176.41	176.39	176.44
27	176.36	176.24	176.26	176.39	176.49	176.50	176.50	176.48	176.46	176.41	176.36	176.50
28	176.25	176.29	176.27	176.41	176.48	176.49	176.51	176.44	176.46	176.45	176.42	176.53
29	176.21		176.27	176.43	176.46	176.49	176.51	176.46	176.48	176.37	176.46	176.40
30	176.24		176.37	176.43	176.48	176.46	176.53	176.44	176.45	176.34	176.43	176.41
31	176.27		176.31		176.47		176.51	176.49		176.38		176.41
MEAN	176.30	176.27	176.27	176.36	176.46	176.47	176.50	176.49	176.46	176.42	176.40	176.46
MAX.	176.61	176.38	176.45	176.64	176.62	176.56	176.63	176.69	176.60	176.64	176.60	176.70
	0900/23	0800/24	2100/30	1100/03	2200/15	2000/09	1000/17	0200/03	0600/15	1000/10	0600/02	0800/28
MIN.	176.08	176.16	176.11	176.18	176.34	176.32	176.36	176.39	176.36	176.27	176.25	176.30
	0400/11	1400/07	0600/14	0800/04	1600/10	0700/06	2100/07	0200/30	0800/03	2000/15	2300/24	2400/11

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

ANNUAL MEAN: 176.40

ANNUAL SUMMARY OF LEVELS, 1982

Station 7079: Green Bay, Wisconsin on Lake Michigan

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	176.49	Jul	176.25	Mar
Daily mean elevation:	176.67	14 Sep	176.12	10 Jan
Instant/hourly elevation:	176.94	0500/4 Jan	175.63	2000/3 Apr

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.56	4 Jan
176.31	14 Feb
176.37	30 Mar
176.58	19 Apr
176.63	21 May
176.55	29 Jun
176.59	22 Jul
176.59	2 Aug
176.67	14 Sep
176.58	9 Oct
176.52	2 Nov
176.66	5 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.12	10 Jan
176.19	23 Feb
176.16	2 Mar
176.22	4 Apr
176.38	7 May
176.40	11 Jun
176.39	7 Jul
176.37	29 Aug
176.34	3 Sep
176.20	29 Oct
176.15	24 Nov
176.27	11 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
176.65									1			1	176.65	2
176.60					2				1				176.60	5
176.55	1			1			1	3	2	1		1	176.55	15
176.50					4	7	11	4	2	1	2	5	176.50	51
176.45	1			2	10	15	11	15	6	4	3	4	176.45	122
176.40	3			2	12	7	7	7	11	7	10	8	176.40	196
176.35	2		2	7	3	1	1	2	6	9	2	5	176.35	236
176.30	5	1	2	10					1	5	6	4	176.30	270
176.25	6	13	8	6						3	2	3	176.25	311
176.20	6	11	16	2							3		176.20	349
176.15	3	3	3							1	1		176.15	360
176.10	4										1		176.10	365

INTERNATIONAL
GREAT LAKES
DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

Station 7079: Green Bay, Wisconsin on Lake Michigan

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	176.27	176.29	176.23	176.22	176.39	176.43	176.45	176.52	176.50	176.49	176.52	176.46
2	176.41	176.28	176.16	176.35	176.39	176.50	176.46	176.59	176.42	176.47	176.52	176.47
3	176.42	176.22	176.24	176.40	176.43	176.52	176.51	176.53	176.34	176.42	176.31	176.43
4	176.56	176.27	176.24	176.22	176.43	176.48	176.52	176.58	176.37	176.43	176.26	176.43
5	176.38	176.26	176.21	176.31	176.44	176.47	176.46	176.56	176.49	176.47	176.28	176.66
6	176.26	176.28	176.22	176.34	176.41	176.45	176.45	176.55	176.59	176.47	176.21	176.34
7	176.20	176.25	176.20	176.30	176.38	176.46	176.39	176.53	176.49	176.38	176.31	176.36
8	176.21	176.20	176.24	176.29	176.42	176.47	176.42	176.49	176.42	176.44	176.35	176.44
9	176.15	176.24	176.24	176.31	176.43	176.50	176.45	176.47	176.39	176.58	176.47	176.33
10	176.12	176.23	176.29	176.29	176.47	176.42	176.52	176.46	176.42	176.54	176.46	176.28
11	176.13	176.24	176.22	176.32	176.45	176.40	176.44	176.47	176.43	176.41	176.45	176.27
12	176.28	176.25	176.28	176.35	176.48	176.47	176.42	176.46	176.42	176.35	176.37	176.39
13	176.34	176.27	176.23	176.37	176.51	176.44	176.49	176.46	176.47	176.41	176.31	176.32
14	176.35	176.31	176.17	176.33	176.50	176.43	176.52	176.49	176.67	176.28	176.43	176.41
15	176.31	176.29	176.25	176.38	176.48	176.55	176.49	176.49	176.63	176.36	176.18	176.51
16	176.15	176.25	176.36	176.40	176.45	176.46	176.49	176.48	176.42	176.38	176.24	176.51
17	176.20	176.30	176.31	176.35	176.49	176.49	176.47	176.45	176.38	176.36	176.39	176.44
18	176.29	176.30	176.25	176.28	176.44	176.52	176.48	176.46	176.39	176.35	176.42	176.48
19	176.33	176.26	176.25	176.58	176.42	176.47	176.50	176.41	176.38	176.41	176.42	176.45
20	176.28	176.25	176.35	176.48	176.53	176.48	176.53	176.49	176.48	176.36	176.42	176.40
21	176.35	176.23	176.30	176.32	176.63	176.48	176.51	176.44	176.51	176.32	176.31	176.43
22	176.43	176.28	176.23	176.32	176.61	176.49	176.59	176.38	176.45	176.37	176.43	176.48
23	176.49	176.19	176.28	176.29	176.54	176.45	176.55	176.43	176.38	176.33	176.47	176.55
24	176.20	176.28	176.26	176.30	176.45	176.45	176.50	176.50	176.54	176.28	176.15	176.56
25	176.23	176.23	176.26	176.37	176.44	176.54	176.49	176.42	176.58	176.32	176.24	176.52
26	176.27	176.20	176.23	176.46	176.46	176.52	176.52	176.47	176.45	176.39	176.42	176.40
27	176.37	176.23	176.23	176.38	176.52	176.50	176.52	176.50	176.43	176.39	176.34	176.51
28	176.24	176.29	176.24	176.40	176.50	176.52	176.52	176.42	176.42	176.40	176.44	176.45
29	176.22		176.27	176.42	176.46	176.55	176.45	176.37	176.46	176.20	176.44	176.36
30	176.22		176.37	176.42	176.48	176.46	176.51	176.44	176.45	176.28	176.42	176.33
31	176.24		176.26		176.47		176.49	176.48		176.42		176.29
MEAN	176.29	176.26	176.25	176.35	176.47	176.48	176.49	176.48	176.46	176.39	176.37	176.43
MAX.	176.94	176.54	176.61	176.89	176.78	176.79	176.81	176.81	176.93	176.72	176.80	176.85
	0500/04	2300/07	1100/13	2300/19	0300/21	2200/28	2200/22	0400/03	0700/06	2200/09	2100/12	1700/28
MIN.	175.85	175.86	175.78	175.63	176.14	176.27	176.19	176.11	176.05	175.82	175.73	175.80
	2400/10	0400/08	1800/13	2000/03	1800/06	1100/01	0500/07	0900/29	0200/03	1100/29	2100/24	2300/28

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

ANNUAL MEAN: 176.39

ANNUAL SUMMARY OF LEVELS, 1982

Station 7096: Port Inland, Michigan on Lake Michigan

INTERNATIONAL GREAT LAKES DATUM (1955)

HIGHEST			LOWEST		
Monthly mean elevation:	176.49	Jul	Monthly mean elevation:	176.25	Mar
Daily mean elevation:	176.59	18 Dec	Daily mean elevation:	176.15	2 Mar
Instant/hourly elevation:	176.88	1100/23 Jan	Instant/hourly elevation:	176.03	0800/4 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.54	23 Jan
176.31	6 Feb
176.38	31 Mar
176.41	23 Apr
176.47	11 May
176.51	7 Jun
176.57	11 Jul
176.58	3 Aug
176.50	29 Sep
176.59	10 Oct
176.53	20 Nov
176.59	18 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
176.16	11 Jan
176.17	23 Feb
176.15	2 Mar
176.19	4 Apr
176.36	20 May
176.40	2 Jun
176.42	12 Jul
176.39	28 Aug
176.35	3 Sep
176.28	15 Oct
176.31	6 Nov
176.35	11 Dec

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

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
176.55							1	1		1		2	176.55	5
176.50	1					1	7	6			1	3	176.50	24
176.45					2	7	21	12	7	7	1	11	176.45	92
176.40	1			2	20	21	2	11	16	11	12	9	176.40	197
176.35	2		3	10	9	1		1	6	9	11	4	176.35	253
176.30	4	1	1	10					1	2	5	2	176.30	279
176.25	10	11	8	5						1			176.25	314
176.20	10	11	9	1									176.20	345
176.15	3	5	9	2									176.15	364
176.10			1										176.10	365
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INTERNATIONAL
GREAT LAKES
DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

Station 7096: Port Inland, Michigan on Lake Michigan

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	176.27	176.29	176.24	176.20	176.38	176.43	176.46	176.48	176.48	176.37	176.39	176.44
2	176.36	176.28	176.15	176.28	176.38	176.40	176.46	176.53	176.44	176.48	176.42	176.46
3	176.32*	176.20	176.20	176.41	176.39	176.43	176.45	176.58	176.35	176.43	176.41	176.50
4	176.24	176.26	176.20	176.19	176.42	176.43	176.48	176.54	176.42	176.42	176.41	176.41
5	176.39	176.27	176.23	176.21	176.44	176.43	176.51	176.51	176.44	176.43	176.39	176.48
6	176.28	176.31	176.22	176.27	176.44	176.43*	176.51	176.53	176.43	176.46	176.31	176.47
7	176.22	176.30	176.19	176.28	176.40	176.51	176.48	176.52	176.45	176.50	176.40	176.35
8	176.25	176.24	176.20	176.28	176.40	176.45	176.47	176.54	176.46	176.38	176.32	176.40
9	176.20	176.25	176.24	176.34	176.38	176.45	176.46	176.45	176.44	176.48	176.33	176.48
10	176.26	176.27	176.26	176.33	176.44	176.48	176.50	176.42	176.45	176.59	176.49	176.42
11	176.16	176.25	176.21	176.32	176.47	176.44	176.57	176.45	176.50	176.48	176.40	176.35
12	176.29	176.24	176.25	176.33	176.38	176.44	176.42	176.46	176.46	176.41	176.45	176.41
13	176.31	176.25	176.36	176.32	176.45	176.43	176.43	176.47	176.47	176.42	176.33	176.54
14	176.30	176.26	176.18	176.31	176.44	176.44	176.50	176.48	176.39	176.41	176.40	176.45
15	176.33	176.27	176.20	176.37	176.42	176.45	176.49	176.48	176.48	176.28	176.44	176.44
16	176.23	176.20	176.28	176.39	176.41	176.42*	176.53	176.47	176.40	176.31	176.37	176.39
17	176.23	176.25	176.29	176.34	176.44	176.44	176.54	176.43	176.45	176.42	176.42	176.53
18	176.28	176.27	176.25	176.28	176.46	176.44	176.51	176.47	176.38	176.44	176.44	176.59
19	176.34	176.26	176.19	176.35	176.42	176.45	176.48	176.47	176.44	176.41	176.44	176.47
20	176.24	176.25	176.26	176.40	176.36	176.45	176.50	176.43	176.38	176.48	176.53	176.39
21	176.27	176.22	176.28	176.32	176.40	176.46	176.49	176.45	176.37	176.33	176.39	176.41
22	176.30	176.27	176.24	176.36	176.42	176.46*	176.48	176.47	176.41	176.40	176.41	176.48
23	176.54*	176.17	176.30	176.41	176.42	176.44	176.48	176.46	176.42	176.38	176.38	176.52
24	176.25*	176.19	176.32	176.39	176.42	176.48	176.51	176.45	176.42	176.41	176.39	176.46
25	176.24	176.24	176.24	176.40	176.43	176.43	176.47	176.48	176.43	176.36	176.32	176.50
26	176.28	176.23	176.18	176.36	176.43	176.47	176.47	176.44	176.42	176.40	176.36	176.42
27	176.42	176.20	176.20	176.35	176.45	176.49	176.48	176.42	176.40	176.40	176.38	176.48
28	176.30	176.25	176.28	176.38	176.45	176.46	176.46	176.39	176.43	176.45	176.42	176.56
29	176.24		176.27	176.38	176.44	176.45	176.48	176.48	176.50	176.48	176.44	176.40
30	176.21		176.36*	176.39	176.45	176.43	176.53	176.42	176.45	176.38	176.41	176.42
31	176.18		176.38		176.42		176.49	176.45		176.38		176.47
MEAN	176.28	176.25	176.25	176.33	176.42	176.45	176.49	176.47	176.43	176.42	176.40	176.45
MAX.	176.88	176.44	176.52	176.61	176.54	176.63	176.70	176.69	176.57	176.76	176.79	176.76
	1100/23	2400/06	0800/13	1200/03	0600/11	1500/07	1000/11	0400/03	1500/01	0800/20	0900/12	1500/28
MIN.	176.03	176.07	176.11	176.13	176.31	176.34	176.36	176.33	176.26	176.20	176.18	176.22
	0800/04	1000/23	0100/27	1100/04	1100/20	2100/14	1600/12	1100/28	1100/14	2400/15	2300/12	2300/10

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

ANNUAL MEAN: 176.39

ANNUAL SUMMARY OF LEVELS, 1982

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

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	183.30	Nov	182.76	Mar
Daily mean elevation:	183.43	12 Nov	182.64	2 Apr
Instant/hourly elevation:	183.79	1500/12 Nov	182.49	1900/2 Apr

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
183.18	10 Jan
182.90	7 Feb
182.87	13 Mar
182.93	17 Apr
183.07	20 May
183.08	25 Jun
183.20	28 Jul
183.27	10 Aug
183.32	3 Sep
183.40	20 Oct
183.43	12 Nov
183.37	6 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
182.72	22 Jan
182.70	28 Feb
182.64	30 Mar
182.64	2 Apr
182.81	4 May
182.95	7 Jun
182.98	5 Jul
183.15	3 Aug
183.13	29 Sep
183.13	2 Oct
183.20	19 Nov
183.09	17 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
183.40											1		183.40	1
183.35										2	5	1	183.35	9
183.30									1	3	7	4	183.30	24
183.25								2	1	11	10	9	183.25	57
183.20								12	13	9	6	11	183.20	108
183.15	1						12	15	11	5	1	3	183.15	156
183.10							9	2	4	1		2	183.10	174
183.05					1	5	2					1	183.05	183
183.00	2				9	21	6						183.00	221
182.95	7				8	3	2						182.95	241
182.90	2			2	7	1							182.90	253
182.85	6	2	1	6	3								182.85	271
182.80	10	12	4	12	3								182.80	312
182.75		10	14	7									182.75	343
182.70	3	3	8	2									182.70	359
182.65		1	2										182.65	362
182.60			2	1									182.60	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	182.99	182.82	182.85	182.85	182.88	183.04	183.04	183.19	183.17	183.25	183.28	183.24
2	182.73	182.83	182.81	182.64	182.88	183.05	183.03	183.15	183.25	183.13	183.31	183.19
3	182.92	182.87	182.75	182.85	182.86	183.01	183.03	183.15	183.32	183.23	183.27	183.28
4	182.97	182.82	182.76	182.93	182.81	183.00	183.03	183.19	183.20	183.18	183.29	183.27
5	182.83	182.84	182.78	182.83	182.85	183.01	182.98	183.18	183.24	183.20	183.40	183.28
6	183.01	182.82	182.76	182.83	182.91	182.99	183.00	183.18	183.23	183.16	183.36	183.37
7	182.96	182.90	182.79	182.79	182.92	182.95	183.05	183.18	183.17	183.22	183.30	183.35
8	182.98	182.85	182.72	182.78	182.92	183.01	183.05	183.19	183.15	183.26	183.37	183.35
9	182.96	182.85	182.74	182.78	182.92	182.99	183.07	183.27	183.17	183.20	183.30	183.23
10	183.18	182.82	182.70	182.77	182.84	183.03	183.07	183.27	183.16	183.17	183.21	183.33
11	182.99	182.83	182.79	182.79	182.94	183.03	183.19	183.24	183.15	183.24	183.31	183.34
12	182.88	182.81	182.65	182.72	182.97	183.04	183.16	183.22	183.16	183.27	183.43	183.22
13	182.86	182.80	182.87	182.86	182.92	183.04	183.13	183.20	183.20	183.30	183.35	183.22
14	182.84	182.72	182.82	182.76	182.93	183.01	183.15	183.20	183.23	183.32	183.34	183.21
15	182.86	182.81	182.72	182.73	182.97	183.07	183.11	183.18	183.21	183.40	183.29	183.26
16	183.01	182.77	182.73	182.78	182.97	183.05	183.11	183.21	183.22	183.35	183.30	183.23
17	182.87	182.72	182.76	182.93	182.96	183.05	183.12	183.22	183.21	183.24	183.25	183.09
18	182.85	182.74	182.78	182.86	182.96	183.05	183.17	183.18	183.24	183.24	183.22	183.12
19	182.85	182.76	182.78	182.85	183.02	183.04	183.17	183.20	183.21	183.29	183.20	183.24
20	182.85	182.78	182.73	182.89	183.07	183.04	183.15	183.23	183.29	183.40	183.22	183.28
21	182.81	182.80	182.78	182.87	183.01	183.05	183.15	183.20	183.24	183.34	183.34	183.22
22	182.72	182.76	182.78	182.84	183.01	183.06	183.20	183.22	183.19	183.30	183.28	183.18
23	182.83	182.83	182.71	182.83	183.02	183.04	183.18	183.22	183.17	183.29	183.37	183.14
24	182.93	182.79	182.76	182.81	183.01	183.01	183.15	183.20	183.23	183.26	183.33	183.22
25	182.89	182.78	182.80	182.84	183.00	183.08	183.18	183.22	183.22	183.29	183.33	183.27
26	182.83	182.79	182.81	182.89	183.00	183.03	183.18	183.23	183.18	183.27	183.36	183.23
27	182.73	182.78	182.76	182.87	183.01	183.02	183.18	183.25	183.20	183.23	183.28	183.20
28	182.99	182.70	182.72	182.84	183.02	183.04	183.20	183.25	183.13	183.22	183.25	183.30
29	182.83		182.70	182.84	183.00	183.07	183.15	183.16	183.13	183.24	183.27	183.30
30	182.90		182.64	182.85	183.03	183.07	183.18	183.23	183.21	183.30	183.22	183.26
31	182.83		182.79		183.02		183.16	183.17		183.29		183.24
MEAN	182.89	182.80	182.76	182.82	182.96	183.03	183.12	183.21	183.20	183.26	183.30	183.25
MAX.	183.37	183.00	183.08	183.11	183.12	183.15	183.34	183.34	183.39	183.59	183.79	183.54
	2100/10	2300/07	1900/13	2100/03	0600/20	1700/15	2100/11	0600/28	2300/02	2000/20	1500/12	1800/28
MIN.	182.55	182.59	182.49	182.49	182.66	182.71	182.89	183.01	182.98	183.04	183.08	183.01
	2100/02	1900/14	2000/12	1900/02	1500/10	0800/07	1100/05	1800/06	0100/29	1500/02	0200/12	1800/17

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

ANNUAL MEAN: 183.05

ANNUAL SUMMARY OF LEVELS, 1982

Station 9018: Marquette Coast Guard, Marquette, Michigan on Lake Superior

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	183.32	Nov	182.78	Mar
Daily mean elevation:	183.42	12 Nov	182.75	30 Mar
Instant/hourly elevation:	183.56	2000/12 Nov	182.67	0900/12 Mar

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
182.99	10 Jan
182.86	3 Feb
182.83	26 Mar
182.90	4 Apr
183.06	20 May
183.08	15 Jun
183.22	30 Jul
183.25	10 Aug
183.30	20 Sep
183.42	20 Oct
183.42	12 Nov
183.31	28 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
182.80	27 Jan
182.77	28 Feb
182.75	30 Mar
182.76	2 Apr
182.89	4 May
183.03	7 Jun
183.03	5 Jul
183.20	18 Aug
183.20	29 Sep
183.22	2 Oct
183.29	30 Nov
183.20	17 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
183.40										1	1		183.40	2
183.35											3		183.35	5
183.30										12	17	5	183.30	39
183.25									4	12	9	15	183.25	79
183.20							2	29	23	6		10	183.20	149
183.15							19	2	3			1	183.15	174
183.10							1						183.10	175
183.05					1	20	7						183.05	203
183.00					16	10	2						183.00	231
182.95	4				4								182.95	239
182.90	8				6								182.90	253
182.85	15	1		13	4								182.85	286
182.80	3	18	3	11									182.80	321
182.75	1	9	24	6									182.75	361
182.70			4										182.70	365

INTERNATIONAL GREAT LAKES DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

Station 9018: Marquette Coast Guard, Marquette, Michigan on Lake Superior

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	182.95	182.83	182.81	182.81	182.89	183.05	183.06	183.21	183.22	183.23	183.33	183.29
2	182.89	182.84	182.82	182.76	182.89	183.05	183.05	183.21	183.23	183.22	183.33	183.29
3	182.91	182.86	182.79	182.89	182.89	183.04	183.07	183.20	183.25	183.23	183.32	183.30
4	182.98	182.84	182.78	182.90	182.89	183.04	183.06	183.23	183.23	183.23	183.34	183.29
5	182.90	182.83	182.78	182.85	182.93	183.04	183.03	183.23	183.24	183.23	183.37	183.31
6	182.91	182.81	182.78	182.84	182.94	183.03	183.06	183.21	183.25	183.25	183.33	183.31
7	182.91	182.83	182.79	182.81	182.95	183.03	183.08	183.22	183.22	183.28	183.32	183.31
8	182.94	182.83	182.78	182.80	182.95	183.04	183.08	183.22	183.20	183.27	183.34	183.31
9	182.97	182.83	182.77	182.80	182.95	183.04	183.09	183.25	183.20	183.28	183.33	183.26
10	182.99	182.81	182.76	182.81	182.95	183.05	183.11	183.25	183.21	183.29	183.31	183.28
11	182.96	182.82	182.78	182.80	182.99	183.06	183.18	183.24	183.22	183.29	183.31	183.29
12	182.90	182.82	182.75	182.79	182.99	183.06	183.17	183.23	183.22	183.30	183.42	183.28
13	182.90	182.82	182.78	182.83	183.00	183.06	183.17	183.22	183.23	183.31	183.36	183.24
14	182.88	182.79	182.80	182.81	183.00	183.06	183.17	183.22	183.28	183.31	183.34	183.27
15	182.88	182.81	182.78	182.79	183.02	183.08	183.17	183.22	183.26	183.35	183.30	183.27
16	182.91	182.81	182.79	182.84	183.03	183.07	183.17	183.21	183.23	183.34	183.30	183.27
17	182.87	182.79	182.79	182.89	183.02	183.07	183.17	183.21	183.23	183.29	183.30	183.20
18	182.88	182.79	182.79	182.86	183.02	183.07	183.20	183.20	183.24	183.29	183.29	183.23
19	182.87	182.79	182.80	182.87	183.04	183.06	183.19	183.22	183.25	183.32	183.30	183.26
20	182.89	182.81	182.78	182.89	183.06	183.07	183.19	183.24	183.30	183.42	183.31	183.29
21	182.86	182.83	182.78	182.87	183.05	183.06	183.20	183.22	183.25	183.35	183.32	183.25
22	182.83	182.80	182.78	182.85	183.04	183.07	183.20	183.23	183.22	183.31	183.33	183.22
23	182.91	182.83	182.76	182.85	183.04	183.06	183.21	183.24	183.21	183.31	183.36	183.23
24	182.93	182.81	182.77	182.85	183.04	183.06	183.18	183.24	183.28	183.30	183.33	183.25
25	182.89	182.79	182.80	182.87	183.04	183.07	183.20	183.24	183.25	183.31	183.33	183.27
26	182.85	182.79	182.83	182.89	183.04	183.06	183.20	183.24	183.22	183.32	183.34	183.25
27	182.80	182.80	182.79	182.88	183.04	183.06	183.20	183.24	183.22	183.30	183.29	183.23
28	182.87	182.77	182.75	182.88	183.04	183.06	183.20	183.24	183.21	183.30	183.29	183.31
29	182.84		182.75	182.88	183.05	183.07	183.20	183.21	183.20	183.29	183.29	183.29
30	182.88		182.75	182.89	183.04	183.06	183.22	183.22	183.23	183.31	183.29	183.24
31	182.87		182.77		183.05		183.20	183.22		183.31		183.23
MEAN	182.90	182.81	182.78	182.84	183.00	183.06	183.15	183.23	183.23	183.29	183.32	183.27
MAX.	183.09	182.92	182.90	183.00	183.12	183.12	183.31	183.36	183.36	183.50	183.56	183.44
	2000/10	2300/22	2300/30	2400/03	0300/29	0800/15	0300/18	2200/02	0800/14	1500/20	2000/12	2400/05
MIN.	182.71	182.71	182.67	182.71	182.86	182.95	182.97	182.98	183.07	183.17	183.22	183.13
	0600/27	1000/22	0900/12	2200/02	0400/04	0100/07	0900/05	0200/03	2000/29	2200/02	1100/11	1200/17

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

ANNUAL MEAN: 183.07

ANNUAL SUMMARY OF LEVELS, 1982
Station 9044: Ontonagon, Michigan on Lake Superior

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	183.34	Nov	182.78	Mar
Daily mean elevation:	183.41	4 Nov	182.75	31 Mar
Instant/hourly elevation:	183.46	0500/12 Nov	182.68	1400/31 Mar

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
182.95	2 Jan
182.82	28 Feb
182.83	15 Mar
182.96	25 Apr
183.09	17 May
183.10	14 Jun
183.23	20 Jul
183.26	26 Aug
183.28	12 Sep
183.37	28 Oct
183.41	4 Nov
183.33	2 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
182.87	6 Jan
182.78	26 Feb
182.75	31 Mar
182.78	1 Apr
182.91	1 May
183.07	30 Jun
183.08	2 Jul
183.22	1 Aug
183.22	18 Sep
183.24	1 Oct
183.31	29 Nov
183.24	26 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
183.40											1		183.40	1
183.35										3	6		183.35	10
183.30										22	23	2	183.30	57
183.25								1	5	5		19	183.25	87
183.20							16	30	25	1		10	183.20	169
183.15							4						183.15	173
183.10							7						183.10	180
183.05					14	26	4						183.05	224
183.00					4								183.00	228
182.95				1	5								182.95	234
182.90	3			8	4								182.90	249
182.85	4			10									182.85	263
182.80		4	3	9									182.80	279
182.75		6	27	2									182.75	314
182.70			1										182.70	315

INTERNATIONAL
GREAT LAKES
DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

Station 9044: Ontonagon, Michigan on Lake Superior

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	182.90*	/	182.78	182.78	182.91	/	183.08	183.22	183.25	183.24	183.34	183.30
2	182.95	/	182.78	182.88	182.93	/	183.08	183.23	183.24	183.27	183.35	183.33
3	182.91	/	182.79	182.92	182.95	/	183.11	183.23	183.23	183.26	183.37	183.28
4	182.91	/	182.79	182.86	182.96	/	183.09	183.23	183.25	183.28	183.41	183.31
5	182.90	/	182.76	182.83	182.96	183.09*	183.10	183.24	183.24	183.28	183.36*	183.30
6	182.87	/	182.76	182.82	182.95	183.09	183.12	183.25	183.23	183.33	183.34*	183.29
7	182.90*	/	182.77	182.80	182.97	183.08	183.11	183.25	183.24	183.30	183.35	183.29
8	/	/	182.80	182.81	182.98	183.08	183.12	183.24	183.22	183.32	183.33	183.29
9	/	/	182.79	182.81	183.00	183.10	183.14	183.24	183.23	183.35	183.34	183.28
10	/	/	182.79	182.82	183.05	183.07	183.14	183.24	183.27*	183.36	183.35	183.26
11	/	/	182.76	182.82	183.01	183.08	183.14	183.25	183.26	183.33	183.33	183.26
12	/	/	182.80	182.85	183.03	183.09	183.19	183.25	183.28	183.33	183.36	183.28
13	/	/	182.76	182.81	183.05	183.09	183.19	183.25	183.25	183.33	183.36	183.27
14	/	/	182.79	182.85	183.07	183.10	183.20	183.24	183.25	183.32	183.35	183.29
15	/	/	182.83	182.87	183.07	183.08	183.22	183.24	183.23	183.33	183.32	183.25
16	/	/	182.81	182.87	183.08	183.09	183.22	183.23	183.23	183.31	183.32	183.25
17	/	/	182.79	182.88	183.09	183.09	183.20	183.23	183.23	183.33	183.34	183.25
18	/	/	182.78	182.92	183.08	183.08	183.21	183.23*	183.22	183.33	183.34	183.26
19	/	182.82	182.79	182.93	183.06	183.08	183.23	183.24*	183.25	183.32	183.36	183.24
20	/	182.81	182.80	182.88	183.06	183.08	183.23	183.24*	183.23	183.33	183.35	183.25
21	/	182.80	182.76	182.87	183.07	183.08	183.22	183.25	183.23	183.33	183.34	183.25
22	/	182.82	182.76	182.86	183.07	183.07	183.21	183.25	183.25	183.32	183.37	183.27
23	/	182.79	182.78	182.88	183.06	183.09	183.22	183.25	183.25	183.34	183.35	183.27
24	/	182.80	182.76	182.94	183.06	183.08	183.22	183.25	183.25	183.33	183.32	183.26
25	/	182.78	182.79	182.96	183.06	183.07	183.22	183.25	183.23	183.34	183.35	183.24
26	/	182.78	182.78	182.92	183.08	183.08	183.22	183.26	183.23	183.35*	183.31	183.24
27	/	182.80	182.77	182.90	183.08*	183.08	183.22	183.24	183.24	183.37*	183.31	183.25
28	/	182.82	182.76	182.91	/	183.08	183.21	183.24	183.27	183.37*	183.31	183.27
29	/		182.79	182.92	/	183.07	183.22	183.25	183.27	183.35	183.31	183.26
30	/		182.82	182.92	/	183.07*	183.22	183.23	183.25	183.34	183.32	183.26
31	/		182.75		/		183.22	183.24		183.35		183.25
MEAN	182.91	182.80	182.78	182.87	183.03	183.08	183.18	183.24	183.24	183.32	183.34	183.27
MAX.	183.02	182.90	182.90	183.00	183.18	183.18	183.37	183.32	183.39	183.44	183.46	183.40
	0600/04	0200/24	1800/12	2000/03	1700/10	1600/08	1400/25	2300/21	0200/29	2300/28	0500/12	0400/02
MIN.	182.79	182.73	182.68	182.73	182.89	182.99	183.01	183.14	183.16	183.20	183.18	183.13
	0100/06	1000/22	1400/31	1000/01	1700/01	1100/10	0700/07	0800/31	2100/28	0600/01	2100/20	1600/25

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

ANNUAL MEAN: 183.09

ANNUAL SUMMARY OF LEVELS, 1982
Station 9064: Duluth, Minnesota on Lake Superior

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	183.37	Oct	182.83	Mar
Daily mean elevation:	183.52	6 Oct	182.66	13 Mar
Instant/hourly elevation:	183.65	1900/6 Oct	182.51	1000/10 Jan

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
183.13	22 Jan
182.92	14 Feb
182.94	30 Mar
183.04	2 Apr
183.15	21 May
183.16	6 Jun
183.27	23 Jul
183.32	2 Aug
183.40	28 Sep
183.52	6 Oct
183.43	19 Nov
183.43	2 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
182.69	10 Jan
182.79	10 Feb
182.66	13 Mar
182.82	4 Apr
182.95	1 May
183.05	10 Jun
183.10	7 Jul
183.22	27 Aug
183.20	2 Sep
183.30	3 Oct
183.26	12 Nov
183.22	11 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
183.50										2			183.50	2
183.45													183.45	2
183.40										4	3	1	183.40	10
183.35									2	13	14	3	183.35	42
183.30								2	6	11	10	10	183.30	81
183.25							8	20	19	1	3	12	183.25	144
183.20							12	9	2			5	183.20	172
183.15						1	4		1				183.15	178
183.10	1				17	23	6						183.10	225
183.05					5	4	1						183.05	235
183.00	1			1	3	2							183.00	242
182.95	1			5	5								182.95	253
182.90	13	2	3	7	1								182.90	279
182.85	8	9	5	10									182.85	311
182.80	4	14	15	7									182.80	351
182.75	1	3	6										182.75	361
182.70	1		1										182.70	363
182.65	1		1										182.65	365

INTERNATIONAL
GREAT LAKES
DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

Station 9064: Duluth, Minnesota on Lake Superior

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	182.94	182.85	182.76	182.82	182.95	183.05	183.11	183.29	183.28	183.32	183.38	183.37
2	183.04	182.86	182.83	183.04	182.97	183.10	183.13	183.32	183.20	183.33	183.36	183.43
3	182.91	182.85	182.84	182.83	183.00	183.11	183.16	183.29	183.22	183.30	183.38	183.27
4	182.94	182.84	182.81	182.82	183.04	183.11	183.15	183.28	183.26	183.34	183.40	183.36
5	182.93	182.85	182.77	182.87	182.98	183.12	183.17	183.29	183.29	183.33	183.30	183.32
6	182.83	182.80	182.79	182.85	182.98	183.16	183.15	183.28	183.30	183.52	183.35	183.24
7	182.88	182.79	182.80	182.86	182.99	183.10	183.10	183.29	183.30	183.34	183.36	183.28
8	182.86	182.83	182.86	182.86	183.03	183.11	183.13	183.22	183.26	183.39	183.34	183.26
9	182.85	182.81	182.83	182.84	183.11	183.15	183.19	183.23	183.28	183.51	183.42	183.27
10	182.69	182.79	182.84	182.84	183.13	183.05	183.18	183.25	183.32	183.43	183.40	183.22
11	182.86	182.82	182.82	182.86	183.04	183.11	183.15	183.26	183.29	183.38	183.37	183.22
12	182.92	182.85	182.89	182.90	183.10	183.10	183.23	183.29	183.32	183.37	183.26	183.31
13	182.94	182.86	182.66	182.85	183.13	183.11	183.24	183.29	183.27	183.34	183.37	183.31
14	182.91	182.92	182.83	182.92	183.11	183.14	183.25	183.29	183.36	183.31	183.34	183.37
15	182.83	182.84	182.90	182.94	183.11	183.11	183.27	183.28	183.32	183.31	183.32	183.28
16	182.79	182.91	182.87	182.90	183.15	183.14	183.25	183.25	183.29	183.34	183.36	183.31
17	182.91	182.90	182.84	182.86	183.15	183.12	183.25	183.25	183.27	183.41	183.40	183.32
18	182.93	182.86	182.83	182.97	183.11	183.12	183.23	183.27	183.27	183.38	183.41	183.30
19	182.87	182.85	182.92	182.97	183.08	183.13	183.26	183.22	183.27	183.39	183.43	183.24
20	182.95	182.82	182.93	182.91	183.10	183.12	183.27	183.24	183.25	183.32	183.34	183.26
21	182.97	182.86	182.80	182.90	183.15	183.11	183.26	183.28	183.27	183.36	183.31	183.31
22	183.13	182.85	182.81	182.88	183.13	183.12	183.25	183.27	183.29	183.37	183.39	183.34
23	182.93	182.86	182.84	182.90	183.11	183.14	183.27	183.27	183.32	183.40	183.33	183.34
24	182.86	182.87	182.76	182.92	183.11	183.12	183.26	183.28	183.29	183.37	183.28	183.35
25	182.86	182.83	182.82	182.92	183.11	183.12	183.24	183.27	183.29	183.39	183.37	183.27
26	182.92	182.82	182.82	182.93	183.12	183.13	183.26	183.28	183.30	183.40	183.32	183.26
27	182.92	182.89	182.82	182.94	183.11	183.12	183.25	183.22	183.32	183.43	183.34	183.31
28	182.73	182.88	182.82	182.96	183.10	183.12	183.24	183.26	183.40	183.43	183.36	183.27
29	182.90		182.88	182.98	183.11	183.11	183.26	183.29	183.35	183.36	183.34	183.25
30	182.84		182.94	182.96	183.11	183.09	183.25	183.25	183.28	183.32	183.37	183.27
31	182.88		182.71		183.10		183.25	183.31		183.36		183.27
MEAN	182.89	182.85	182.83	182.90	183.08	183.11	183.21	183.27	183.29	183.37	183.36	183.30
MAX.	183.35	182.97	183.02	183.12	183.25	183.28	183.39	183.43	183.48	183.65	183.55	183.56
	2100/22	1500/16	0900/30	0500/02	2400/17	2400/06	2200/26	1700/02	1600/28	1900/06	0900/22	0500/02
MIN.	182.51	182.69	182.52	182.67	182.88	182.93	182.96	183.13	183.11	183.17	182.95	183.11
	1000/10	2200/09	1100/13	0200/01	0700/06	0900/10	0800/07	0900/20	0800/02	2100/02	2200/20	2300/09

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

ANNUAL MEAN: 183.12

ANNUAL SUMMARY OF LEVELS, 1982

Station 9070: Two Harbors, Minnesota on Lake Superior

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	183.35	Oct	182.81	Mar
Daily mean elevation:	183.43	9 Oct	182.67	13 Mar
Instant/hourly elevation:	183.51	0900/22 Nov	182.54	1000/13 Mar

HIGHEST DAILY MEAN FOR EACH MONTH		LOWEST DAILY MEAN FOR EACH MONTH	
Elev.	Date	Elev.	Date
183.07	22 Jan	182.70	10 Jan
182.89	16 Feb	182.79	10 Feb
182.89	30 Mar	182.67	13 Mar
182.97	2 Apr	182.79	3 Apr
183.11	17 May	182.93	1 May
183.12	9 Jun	183.04	1 Jun
183.25	20 Jul	183.08	7 Jul
183.28	31 Aug	183.22	27 Aug
183.37	28 Sep	183.20	2 Sep
183.43	9 Oct	183.28	3 Oct
183.41	19 Nov	183.28	24 Nov
183.39	2 Dec	183.22	11 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
183.40										4	1		183.40	5
183.35									1	11	9	1	183.35	27
183.30									2	10	16	8	183.30	63
183.25								15	18	6	4	13	183.25	119
183.20							19	16	8			9	183.20	171
183.15							1		1				183.15	173
183.10					2	7	8						183.10	190
183.05	1				18	18	3						183.05	230
183.00	1				4	1							183.00	236
182.95				1	5								182.95	242
182.90	7			7	2								182.90	258
182.85	8	4	5	10									182.85	285
182.80	8	17	10	9									182.80	329
182.75	2	7	8	3									182.75	349
182.70			1										182.70	350
182.65	1		2										182.65	353

INTERNATIONAL
GREAT LAKES
DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

Station 9070: Two Harbors, Minnesota on Lake Superior

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	182.92	182.86*	182.76	182.79	182.93	183.04	183.10	183.25	183.26	183.29	183.36	183.35
2	183.02	182.84	182.81	182.97	182.95	183.07*	183.11	183.27	183.20	183.30	183.35	183.39
3	182.89	182.83	182.83	182.79	182.98	/	183.12	183.28	183.21	183.28	183.38	183.26
4	182.92	182.83	182.79	182.80	183.01	/	183.11	183.26	183.25	183.32	183.39	183.34
5	182.91	182.84	182.76	182.84	182.97	/	183.13	183.26	183.26	183.30	183.29	183.31
6	182.82	182.80	182.77*	182.83	182.96	/	183.12	183.26	183.27	183.43	183.34	183.24
7	182.87	182.79	/	182.84	182.98	183.08*	183.08	183.27	183.27	183.31	183.35	183.27
8	182.85	182.81	/	182.84	183.00	183.08	183.10	183.22	183.25	183.35	183.33	183.25
9	182.84	182.80	182.83*	182.83	183.05	183.12	183.15	183.22	183.25	183.43	183.38	183.26
10	182.70	182.79	182.82	182.83	183.08	183.06	183.14	183.23	183.29	183.40	183.39	183.22
11	182.85	182.80	182.81	182.84	183.02	183.09	183.12	183.25	183.28	183.36	183.35	183.22
12	182.90	182.83	182.87	182.88	183.05	183.09	183.20	183.27	183.30	183.36	183.28	183.30
13	182.93	182.84	182.67	182.83	183.10	183.10	183.21	183.26	183.25	183.33	183.36	183.29
14	182.90	182.89	182.81	182.89	183.09	183.11	183.21	183.26	183.31	183.30	183.33	183.34
15	182.82	182.83	182.88	182.91	183.09	183.09*	183.24	183.26	183.29	183.30	183.32	183.26
16	182.78	182.89	182.84	182.87	183.11	183.11	183.22	183.23	183.27	183.32	183.35	183.29
17	182.89	182.88	182.82	182.83	183.11	183.10	183.23	183.24	183.26	183.38	183.38	183.31
18	182.92	182.84	182.81	182.91	183.10	183.10	183.21	183.25	183.26	183.36	183.39	183.29
19	182.85	182.83	182.88	182.92	183.06	183.11	183.24	183.23	183.25	183.36	183.41	183.23
20	182.93	182.80	182.89	182.88	183.07	183.10	183.25	183.23	183.23	183.31	183.34	183.25
21	182.94	182.83	182.78	182.88	183.10	183.09	183.23	183.26	183.25	183.35	183.29	183.29
22	183.07	182.83	182.80	182.87	183.10	183.09	183.22	183.25	183.28	183.36	183.36	183.32
23	182.89	182.82	182.83	182.88	183.08	183.11	183.24	183.25	183.30	183.38	183.32	183.32
24	182.84	182.84	182.75	182.90	183.08	183.10	183.24	183.26	183.28	183.36	183.28	183.31
25	182.85	182.81	182.80	182.90	183.09	183.09	183.22	183.25	183.27	183.36	183.35	183.26
26	182.90	182.80	182.80*	182.90	183.10	183.11	183.23	183.26	183.28	183.38	183.31	183.25
27	182.90	182.85	/	182.91	183.09	183.11	183.23	183.22	183.30	183.41	183.32	183.29
28	182.78*	182.83	/	182.93	183.08	183.09	183.22	183.24	183.37	183.41	183.34	183.25
29	/		/	182.95	183.09	183.08	183.24	183.27	183.33	183.35	183.33	183.24
30	/		182.89*	182.94	183.08	183.07	183.23	183.24	183.26	183.31	183.35	183.26
31	/		182.70		183.08		183.23	183.28		183.35		183.27
MEAN	182.88	182.83	182.81	182.87	183.05	183.09	183.19	183.25	183.27	183.35	183.34	183.28
MAX.	183.22	182.94	182.97	183.04	183.18	183.20	183.35	183.39	183.45	183.49	183.51	183.45
	2200/22	2300/16	1600/12	1300/02	2300/17	1500/09	1500/17	1600/07	2400/28	1100/09	0900/22	0500/02
MIN.	182.58	182.67	182.54	182.67	182.89	182.95	182.99	183.13	183.12	183.18	182.99	183.11
	1000/10	2300/28	1000/13	0300/01	0700/06	1000/10	0700/07	1000/19	0800/02	2000/02	2100/20	1400/28

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

ANNUAL MEAN: 183.10

ANNUAL SUMMARY OF LEVELS, 1982

Station 9090: Grand Marais, Minnesota on Lake Superior

INTERNATIONAL GREAT LAKES DATUM (1955)

	HIGHEST		LOWEST	
Monthly mean elevation:	183.31	Nov	182.78	Mar
Daily mean elevation:	183.35	19 Nov	182.71	13 Mar
Instant/hourly elevation:	183.47	1600/20 Nov	182.62	1300/13 Mar

HIGHEST DAILY MEAN FOR EACH MONTH

Elev.	Date
182.97	2 Jan
182.83	28 Feb
182.83	30 Mar
182.91	30 Apr
183.06	18 May
183.08	6 Jun
183.20	31 Jul
183.23	31 Aug
183.29	28 Sep
183.35	27 Oct
183.35	19 Nov
183.33	2 Dec

LOWEST DAILY MEAN FOR EACH MONTH

Elev.	Date
182.75	28 Jan
182.77	26 Feb
182.71	13 Mar
182.76	1 Apr
182.90	2 May
183.04	30 Jun
183.06	3 Jul
183.19	30 Aug
183.19	3 Sep
183.23	1 Oct
183.27	12 Nov
183.22	25 Dec

FREQUENCY DISTRIBUTION OF DAILY MEAN LEVELS

Elev. (m.)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elev. (m.)	No. of days above elev.
183.30										17	20	1	183.30	38
183.25									3	10	10	10	183.25	71
183.20								20	24	4		20	183.20	139
183.15							20	11	3				183.15	173
183.10													183.10	173
183.05					1	18	11						183.05	203
183.00					19	12							183.00	234
182.95	1				4								182.95	239
182.90	2			2	5								182.90	248
182.85	12			9	2								182.85	271
182.80	12	12	4	13									182.80	312
182.75	2	15	22	6									182.75	357
182.70	2		5										182.70	364

INTERNATIONAL
GREAT LAKES
DATUM (1955)

DAILY MEAN WATER LEVELS, MONTHLY MEANS AND EXTREMES, 1982

Station 9090: Grand Marais, Minnesota on Lake Superior

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	182.88	182.82	182.74	182.76	182.90	183.04	183.06	183.20	183.22	183.23	183.32	183.30
2	182.97	182.82	182.78	182.85	182.90	183.04	183.06	183.20	183.19	183.25	183.31	183.33
3	182.91	182.81	182.79	182.79	182.93	183.05	183.06	183.23	183.19	183.24	183.34	183.25
4	182.88	182.82	182.78	182.77	182.95	183.05	183.07	183.22	183.22	183.26	183.34	183.29
5	182.89	182.82	182.76	182.80	182.94	183.05	183.09	183.21	183.21	183.25	183.28	183.27
6	182.82	182.81	182.76	182.79	182.93	183.08	183.07	183.21	183.21	183.32	183.31	183.24
7	182.86	182.78	182.76	182.81	182.95	183.07	183.07	183.23	183.22	183.28	183.31	183.25
8	182.84	182.80	182.78	182.81	182.96	183.05	183.08	183.21	183.22	183.28	183.30	183.24
9	182.83	182.79	182.78	182.81	182.98	183.06	183.09	183.19	183.22	183.33	183.32	183.26
10	182.75	182.80	182.79	182.81	183.03	183.05	183.10	183.20	183.23	183.34	183.34	183.22
11	182.84	182.79	182.76	182.81	183.00	183.06	183.10	183.21	183.22	183.32	183.30	183.22
12	182.86	182.80	182.83	182.84	183.00	183.06	183.16	183.22	183.26	183.32	183.27	183.27
13	182.88	182.80*	182.71	182.80	183.03	183.06	183.16	183.21	183.22	183.30	183.32	183.25
14	182.87	/	182.77	182.84	183.04	183.07	183.17	183.21	183.23	183.29	183.31	183.27
15	182.82	182.81*	182.82	182.86	183.03	183.05	183.18	183.21	183.22	183.26	183.32	183.23
16	182.78	182.82	182.79	182.83	183.04	183.07	183.18	183.19	183.23	183.28	183.32	183.24
17	182.86	182.83	182.78	182.81	183.04	183.06	183.20	183.20	183.23	183.32	183.33	183.27
18	182.87	182.81	182.77	182.85	183.06	183.06	183.20	183.22	183.23	183.31	183.35	183.25
19	182.83	182.81	182.80	182.87	183.03	183.07	183.19	183.19	183.22	183.29	183.35	183.22
20	182.85	182.79	182.81	182.84	183.03	183.06	183.20	183.20	183.20	183.29	183.34	183.22
21	182.87	182.80	182.76	182.85	183.05	183.06	183.19	183.21	183.22	183.32	183.28	183.25
22	182.94	182.80	182.77	182.86	183.04	183.05	183.18	183.21	183.24	183.32	183.33	183.26
23	182.84	182.78	182.79	182.87	183.04	183.07	183.20	183.22	183.25	183.33	183.30	183.26
24	182.81	182.79	182.75	182.88	183.04	183.06	183.19	183.22	183.23	183.33	183.29	183.25
25	182.82	182.79	182.77	182.87	183.05	183.04	183.19	183.23	183.23	183.32	183.31	183.22
26	182.86	182.77	182.75	182.87	183.05	183.07	183.19	183.22	183.24	183.33	183.28	183.24
27	182.88	182.79	182.76	182.87	183.05	183.07	183.18	183.19	183.25	183.35	183.31	183.26
28	182.75	182.83	182.78	182.90	183.04	183.06	183.18	183.20	183.29	183.34	183.30	183.24
29	182.84		182.79	182.91	183.04	183.04	183.20	183.22	183.27	183.34	183.30	183.23
30	182.80		182.83	182.91	183.04	183.04	183.18	183.19	183.24	183.30	183.31	183.25
31	182.83		182.72		183.04		183.20	183.23		183.32		183.25
MEAN	182.85	182.80	182.78	182.84	183.01	183.06	183.15	183.21	183.23	183.30	183.31	183.25
MAX.	183.05	182.88	182.97	182.96	183.15	183.21	183.33	183.33	183.40	183.45	183.47	183.40
	2300/22	1700/06	1700/12	1400/02	1500/10	0600/07	1400/17	2300/18	1500/29	0300/28	1600/20	0300/02
MIN.	182.68	182.71	182.62	182.67	182.83	182.97	182.95	183.09	183.13	183.11	183.11	183.12
	1900/10	2400/22	1300/13	0200/01	0700/06	1900/07	0400/06	0900/19	2200/02	0300/07	2100/20	1300/10

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

ANNUAL MEAN: 183.07

Monthly Water Level Stages - Lake Ontario at Oswego

1900 thru Dec 1982

NOAA/NOS
WSC-1 N/OMS124
Great Lakes Water Levels
Rockville, Maryland 20852

Levels in Meters above
IGLD (1955)
Chart Datum 74.0

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1946	1952	1952	1973	1952	1952	1947	1947	1947	1945	1945	1945
HIGH	75.01	75.12	75.22	75.50	75.58	75.61	75.51	75.42	75.26	75.08	75.04	75.04
MEAN	74.38	74.40	74.49	74.69	74.82	74.85	74.83	74.72	74.59	74.48	74.40	74.37
	1935	1936	1935	1935	1935	1935	1934	1934	1934	1934	1934	1934
LOW	73.66	73.64	73.79	73.88	73.97	74.04	73.99	73.84	73.74	73.68	73.59	73.60

1900 thru 1982 mean 74.59

Monthly Water Level Stages - Lake Erie at Cleveland

1900 thru Dec 1982

NOAA/NOS
WSC-1 N/OMS124
Great Lakes Water Levels
Rockville, Maryland 20852

Levels in Meters above
IGLD (1955)
Chart Datum 173.3

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1973	1973	1973	1973	1973	1973	1973	1973	1973	1973	1972	1972
HIGH	174.46	174.51	174.61	174.74	174.73	174.81	174.75	174.66	174.50	174.39	174.40	174.45
MEAN	173.69	173.68	173.76	173.93	174.02	174.06	174.05	173.99	173.90	173.81	173.72	173.70
	1935	1936	1934	1934	1934	1934	1934	1934	1934	1934	1934	1934
LOW	173.01	172.97	173.02	173.19	173.26	173.27	173.27	173.24	173.20	173.11	173.00	172.98

1900 thru 1982 mean 173.86

Monthly Water Level Stages - Lake St. Clair at St. Clair Shores

1900 thru Dec 1982

NOAA/NOS
WSC-1 N/OMS124
Great Lakes Water Levels
Rockville, Maryland 20852

Levels in Meters above
IGLD (1955)
Chart Datum 174.2

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1974	1974	1973	1973	1974	1973	1973	1973	1973	1973	1972	1972
HIGH	175.37	175.38	175.49	175.54	175.58	175.63	175.63	175.57	175.47	175.37	175.31	175.32
MEAN	174.55	174.47	174.60	174.77	174.86	174.91	174.94	174.90	174.84	174.75	174.66	174.66
	1936	1926	1934	1901	1934	1934	1934	1934	1934	1934	1934	1925
LOW	173.69	173.70	173.86	174.07	174.24	174.27	174.31	174.22	174.15	174.08	173.99	174.06

1900 thru 1982 mean 174.74

Monthly Water Level Stages — Lake Huron-Michigan at Harbor Beach

1900 thru Dec 1982

NOAA/NOS
WSC-1 N/OMS124
Great Lakes Water Levels
Rockville, Maryland 20852

Levels in Meters above
IGLD (1955)
Chart Datum 175.8

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1973	1952	1973	1973	1973	1973	1974	1973	1952	1973	1973	1973
HIGH	176.76	176.76	176.78	176.88	176.97	177.06	177.10	177.09	177.02	176.92	176.84	176.77
MEAN	176.11	176.10	176.12	176.20	176.29	176.36	176.40	176.39	176.34	176.28	176.21	176.16
	1965	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964
LOW	175.38	175.39	175.37	175.37	175.50	175.53	175.55	175.56	175.55	175.49	175.43	175.38

1900 thru 1982 mean 176.25

Monthly Water Level Stages - Lake Superior at Marquette

1900 thru Dec 1982

NOAA/NOS
WSC-1 N/OMS124
Great Lakes Water Levels
Rockville, Maryland 20852

Levels in Meters above
IGLD (1955)
Chart Datum 182.9

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1975	1975	1975	1951	1951	1951	1950	1950	1916	1951	1974	1974
HIGH	183.29	183.24	183.18	183.23	183.35	183.38	183.46	183.50	183.47	183.47	183.43	183.35
MEAN	182.99	182.92	182.88	182.89	183.00	183.09	183.15	183.19	183.19	183.18	183.13	183.06
	1926	1926	1926	1926	1926	1926	1926	1926	1926	1925	1925	1925
LOW	182.45	182.38	182.37	182.34	182.36	182.46	182.57	182.62	182.72	182.72	182.63	182.56

1900 thru 1982 mean 183.06

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