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EXPLORE DATA SOURCES

- 📍 WATER QUALITY (EPA) (i) ✓
- 📍 SEDIMENT DISCHARGE (USGS) (i) ✓
- 📍 CONTAMINANTS (GSFMP) (i) ✓
- 📍 AIR POLLUTANTS (IADN) (i) ✓
- 📍 LAKE ERIE TASK FORCE (i) ✓
- WATER QUALITY BASIN AVG (EPA) (i) ✓

EXPLORE TRENDS



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EXPLORE DATA SOURCES

WATER QUALITY (EPA)

SU LAKE SUPERIOR MONITORING SITE 06

MI

HU

ER

ON

SEDIMENT DISCHARGE (USGS)

CONTAMINANTS (GSFMP)

AIR POLLUTANTS (IADN)

LAKE ERIE TASK FORCE

WATER QUALITY BASIN AVG (EPA)

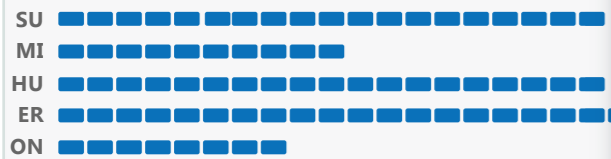
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EXPLORE DATA SOURCES

 WATER QUALITY (EPA) 



 SEDIMENT DISCHARGE (USGS) 

 CONTAMINANTS (GSFMP) 

 AIR POLLUTANTS (IADN) 

 LAKE ERIE TASK FORCE 

 WATER QUALITY BASIN AVG (EPA) 

EXPLORE TRENDS

WATER QUALITY

SITE TYPE EPA Monitoring Site
TIME PERIOD 1983 - Present

OVERVIEW

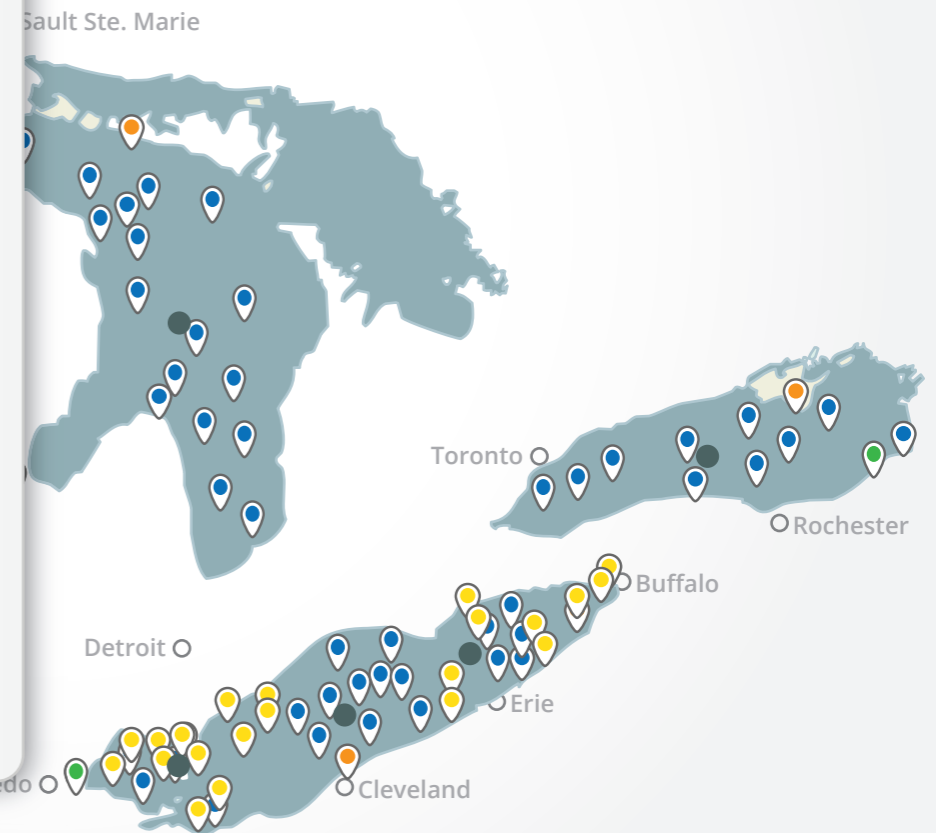
U.S. Environmental Protection Agency's (USEPA) Great Lakes National Program Office (GLNPO) has a water quality monitoring program in the offshore waters (water greater than 30 meters in depth or greater than 3 miles from shore) of the Laurentian Great Lakes. Samples are taken from set stations in each lake twice a year, once in the spring and once in the summer. Samples have been collected from some stations since the 1980s.

Total Phosphorus Ei sea error facilisi omittantur, sed justo choro id. Corpora accusamus eloquentiam pro an. Te sea meis constituto, ei mel altera nemore verear.

Chlorophyll a Aea accusata repudiare eam, lorem dignissim scripserit eum cu. Quas nostrum ne ius, et eam legere scribentur.

Nitrogen Mea doctus aliquam at, et veniam philosophia mel. Sumo eros lorem ei nam, est modus mundi ne, ei causae sadipscing mei.

Silica Ad veri verear vix, et cum diam option iuvaret. Omnis numquam voluptaria ea mea, mea eius populo salutatus no, quodsi aliquam signiferumque quo et.



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EXPLORE DATA SOURCES

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- MI
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- LAKE ERIE TASK FORCE
- WATER QUALITY BASIN AVG (EPA)

EXPLORE TRENDS



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LAKE ERIE - ERIE 59

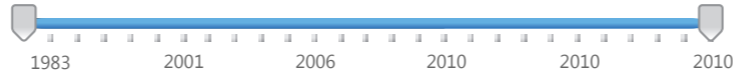


TREND LINE

DEPTH PROFILE

Download This Data

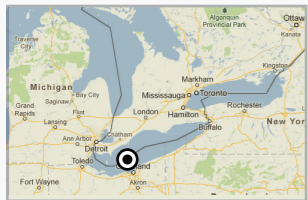
DATE RANGE



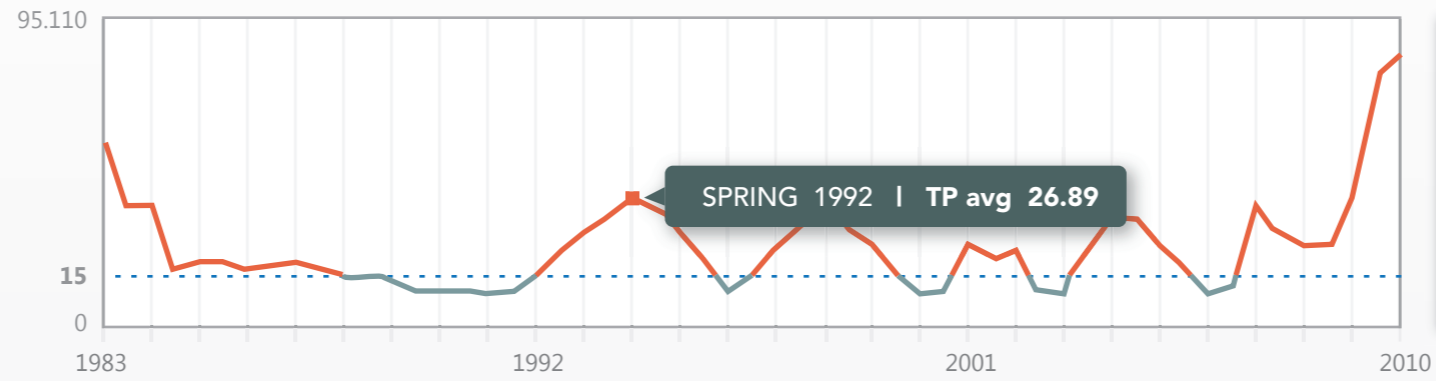
1983-2010

Hide Box Plot

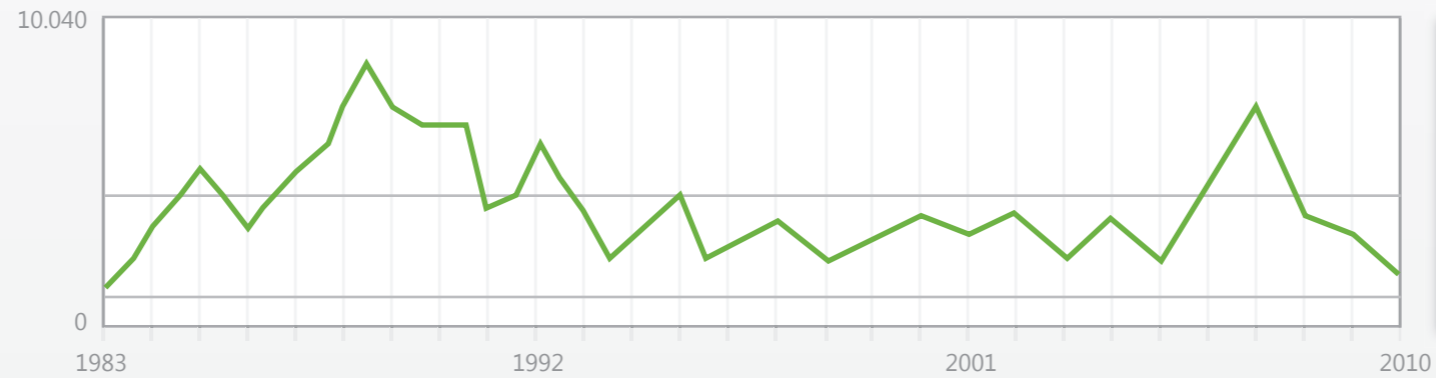
- Phosphorus
- Chlorophyll a
- Nitrogen
- Silica



Total Phosphorus (TP)



Chlorophyll-a (Ch-a)



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LAKE ERIE - ERIE 59

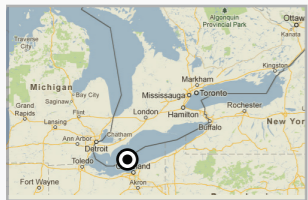


TREND LINE

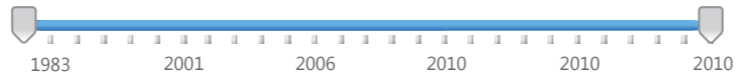
DEPTH PROFILE

Download This Data

- Phosphorus
- Chlorophyll a
- Nitrogen
- Silica

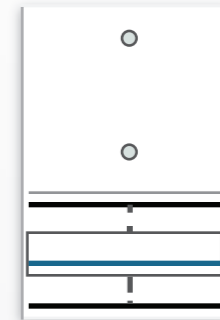
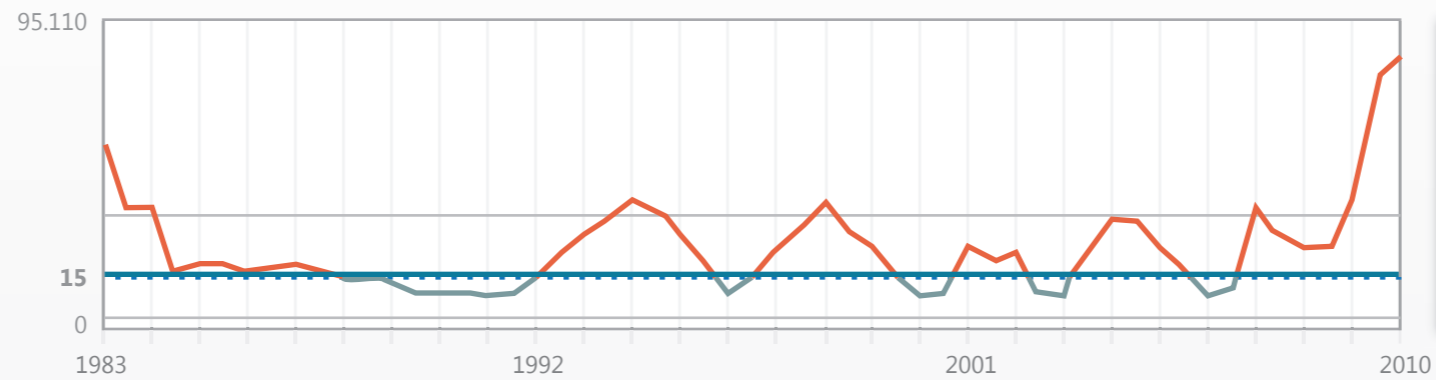


DATE RANGE



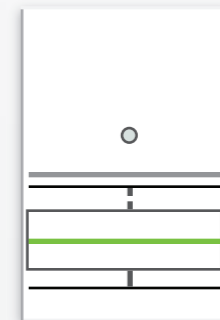
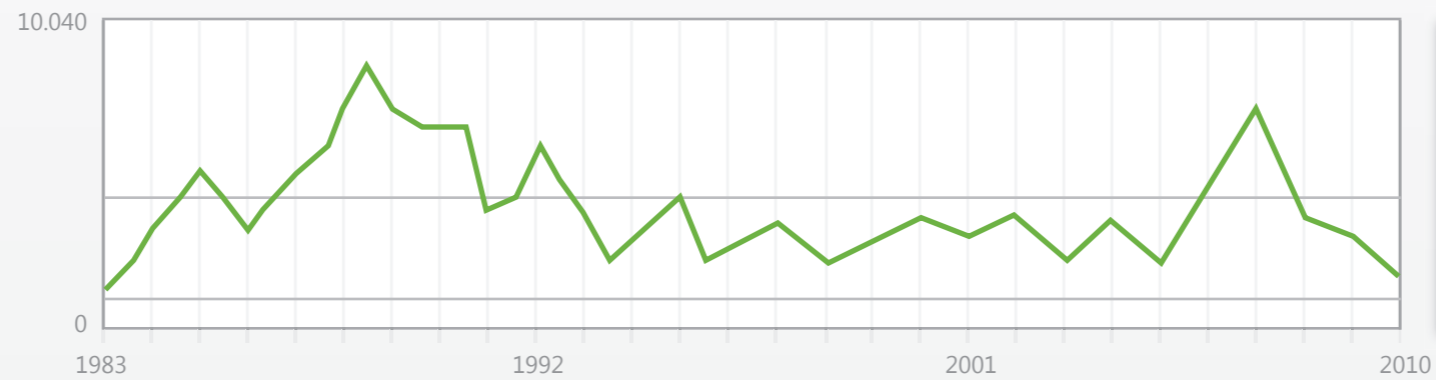
1983-2010

Hide Box Plot



MEDIAN - 16.21

Chlorophyll-a (Ch-a)



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- LAKE ERIE TASK FORCE
- WATER QUALITY BASIN AVG (EPA)

EXPLORE TRENDS



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LAKE ERIE - MAUMEE RIVER (USGS-04193500)

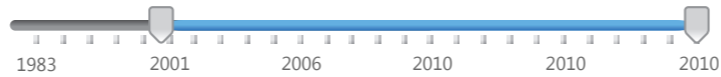


TREND LINE

Download This Data

SPRING / SUMMER

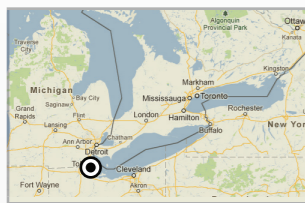
DATE RANGE



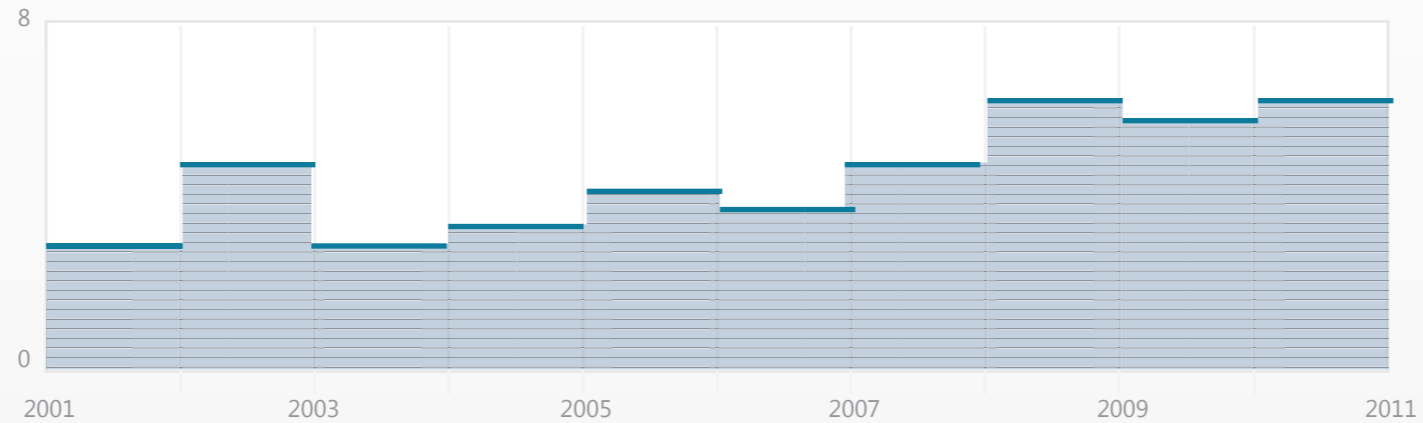
2001-2010

Show Box Plot

Annual Average



SEDIMENT



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EXPLORE DATA SOURCES

EXPLORE TRENDS

TOTAL PHOSPHORUS

CHLOROPHYLL-a

TEMPERATURE

PLANKTON

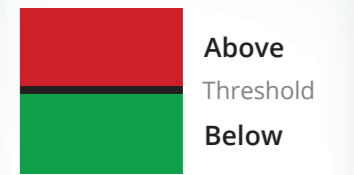
TOTAL PHOSPHORUS

2000-2010

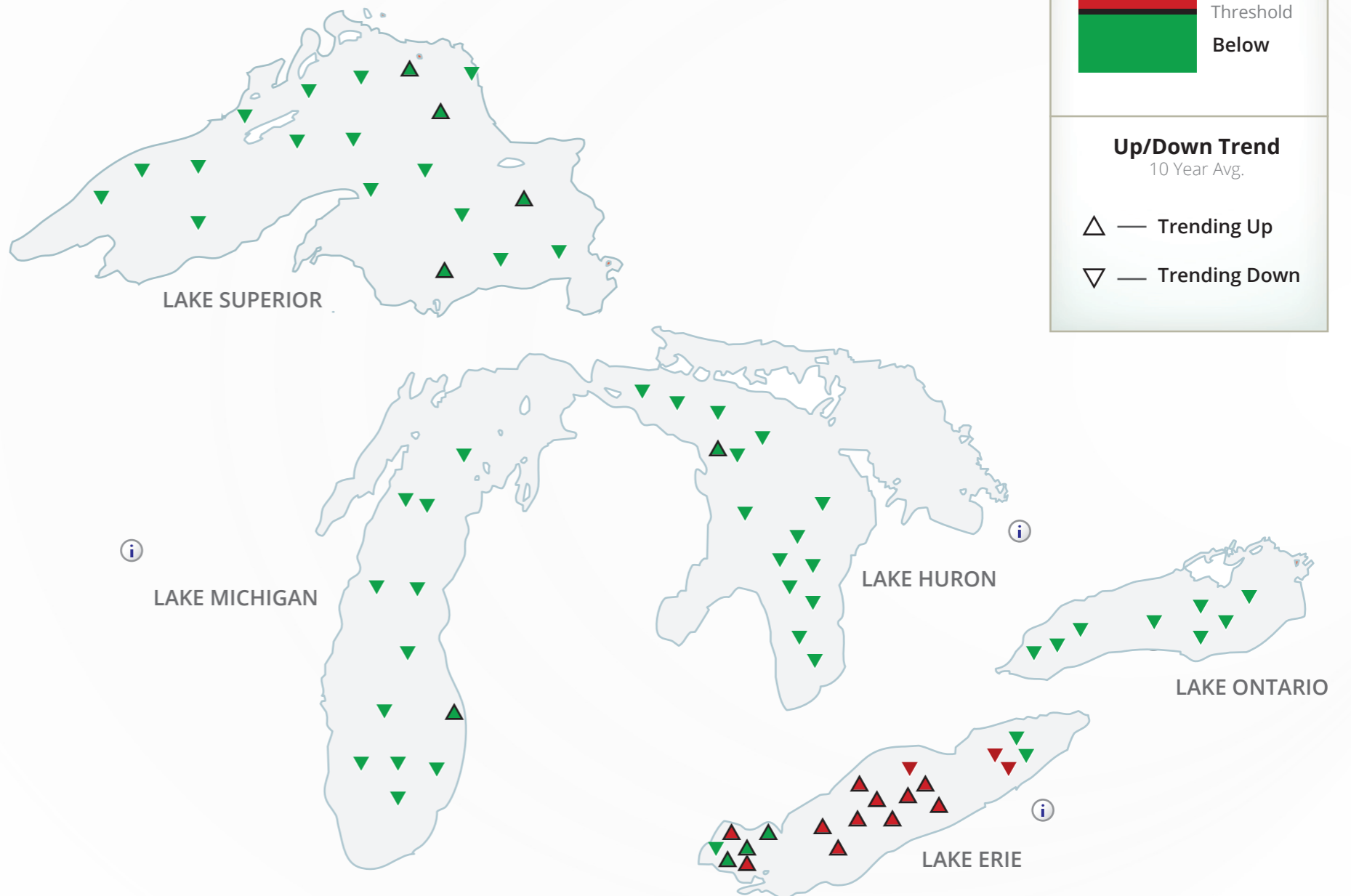
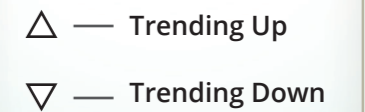


SPRING / SUMMER

Threshold Concentrations



Up/Down Trend 10 Year Avg.



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EXPLORE DATA SOURCES

EXPLORE TRENDS

TOTAL PHOSPHORUS

CHLOROPHYLL-a

TEMPERATURE

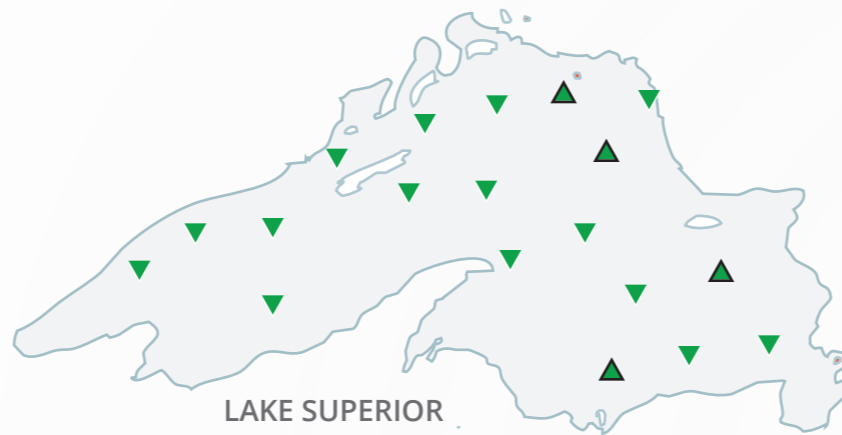
PLANKTON

TOTAL PHOSPHORUS

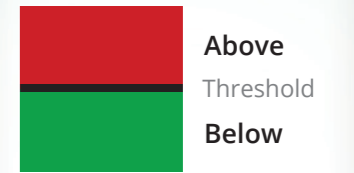
2000-2010



SPRING / SUMMER



Threshold Concentrations

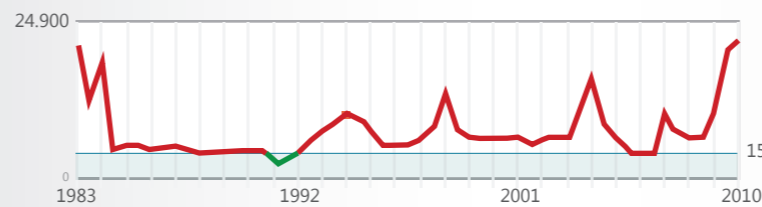


Up/Down Trend
10 Year Avg.

- △ — Trending Up
- ▽ — Trending Down

ERIE 59

SITE TYPE EPA Monitoring Site
TIME PERIOD 2000 - 2011



21%
increase

Avg. Change
2000-2011

VIEW THE DATA FOR THIS SITE



LAK



LAKE ONTARIO



LAKE ERIE

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COMPARE **LAKES**

SELECT LAKES TO COMPARE

- LAKE SUPERIOR
- LAKE MICHIGAN
- LAKE HURON
- LAKE ERIE
- LAKE ONTARIO

SELECT DATA SOURCE

WATER QUALITY (SURFACE) (EPA)

SELECT PARAMETER

CHLOROPHYLL-a

COMPARING LAKE SUPERIOR AND LAKE MICHIGAN: AVERAGE SURFACE MEASUREMENTS

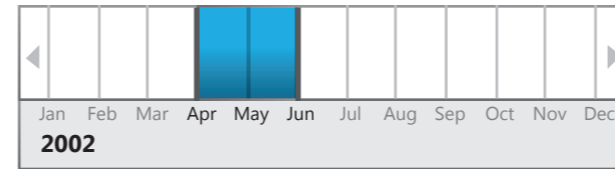
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Chlorophyll-a

Show: LESS MORE

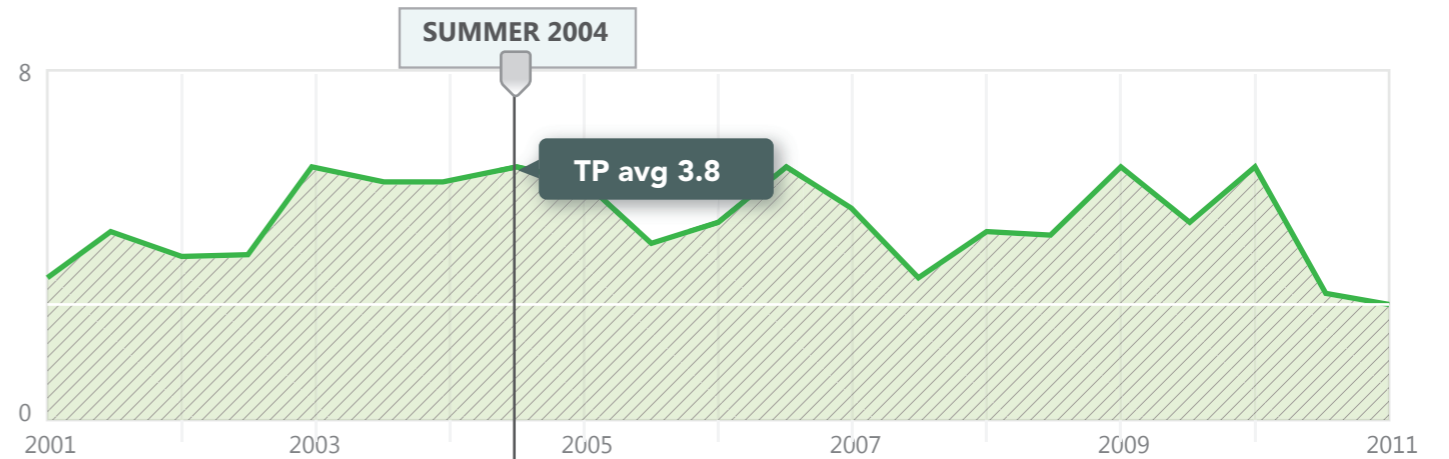
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04/01 — 05/31, 2002

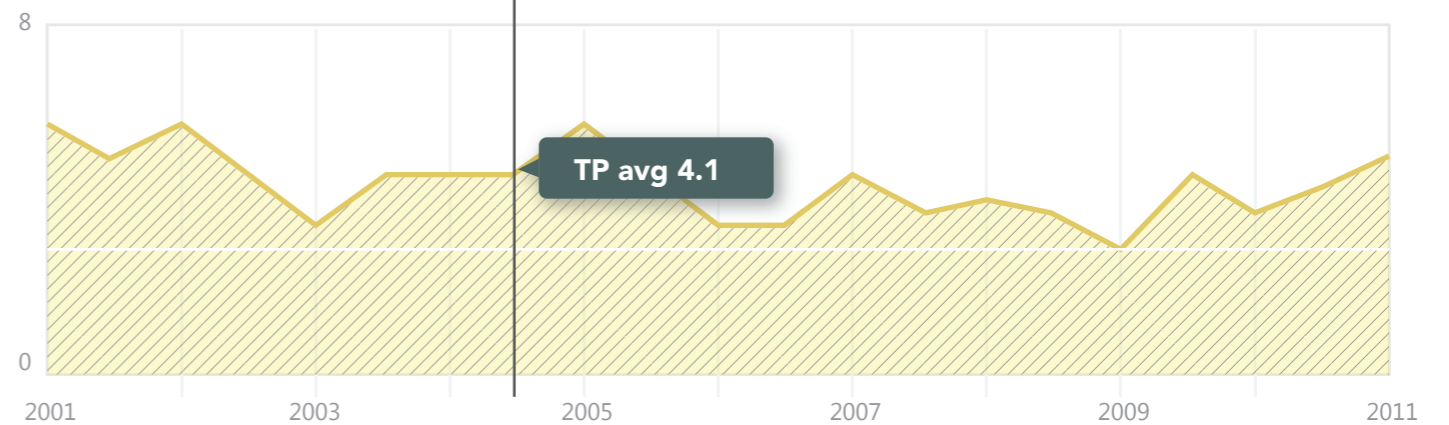


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Lake Superior



Lake Michigan



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COMPARE **LAKES**

SELECT LAKES TO COMPARE

- LAKE SUPERIOR
- LAKE MICHIGAN
- LAKE HURON
- LAKE ERIE
- LAKE ONTARIO

SELECT DATA SOURCE

WATER QUALITY (DEPTH) (EPA)

SELECT PARAMETER

- TOTAL PHOSPHORUS
- CHLOROPHYLL-A
- TEMPERATURE
- DISSOLVED OXYGEN

COMPARING LAKE SUPERIOR AND LAKE MICHIGAN: AVERAGE DEPTH PROFILE

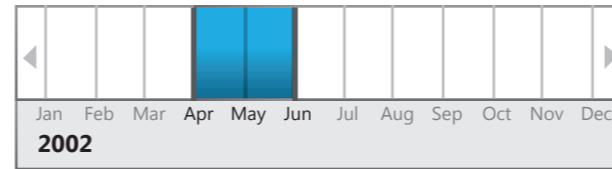
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Chlorophyll-A

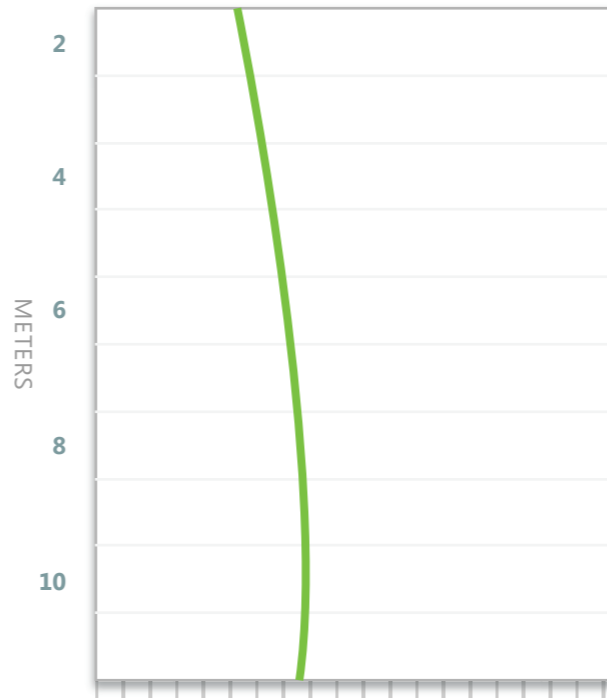
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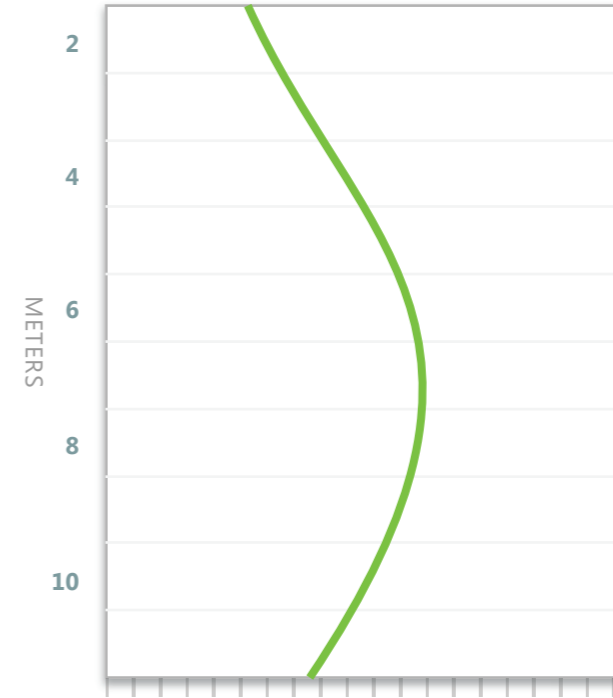


LAKE MICHIGAN



Select a depth
to access Trend Line and
Distribution Graphs

LAKE HURON



Select a depth
to access Trend Line and
Distribution Graphs

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COMPARE **LAKES**

SELECT LAKES TO COMPARE

- LAKE SUPERIOR
- LAKE MICHIGAN
- LAKE HURON
- LAKE ERIE
- LAKE ONTARIO

SELECT DATA SOURCE

WATER QUALITY (DEPTH) (EPA)

SELECT PARAMETER

- TOTAL PHOSPHORUS
- CHLOROPHYLL-A
- TEMPERATURE
- DISSOLVED OXYGEN

COMPARING LAKE SUPERIOR AND LAKE MICHIGAN: AVERAGE DEPTH PROFILE

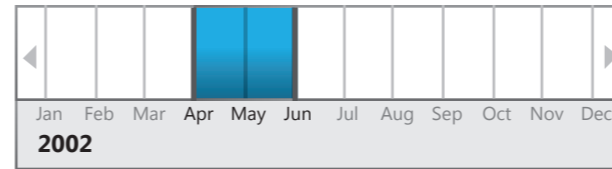
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Chlorophyll-A

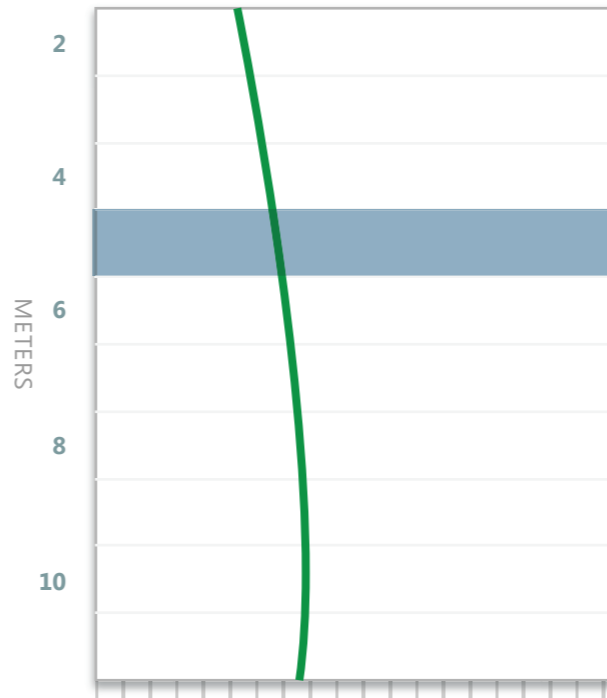
Show: LESS MORE

Selected Date Range:

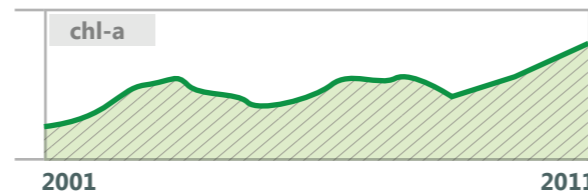
04/01 — 05/31, 2002



LAKE MICHIGAN

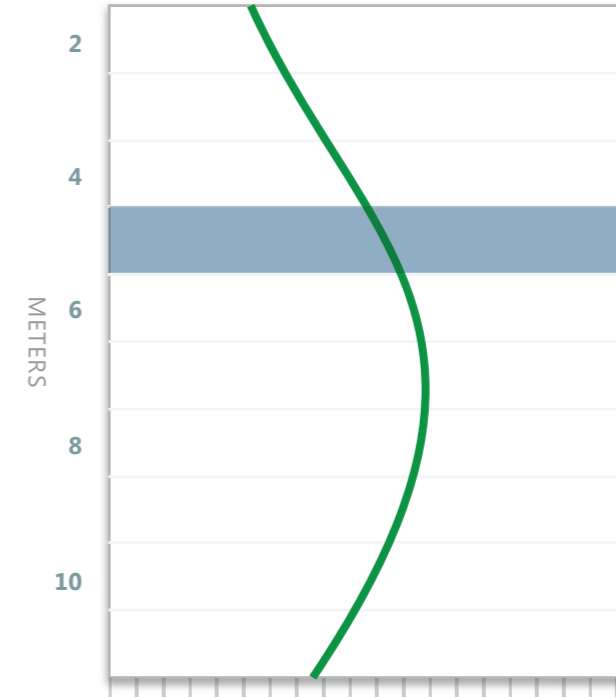


6 METERS

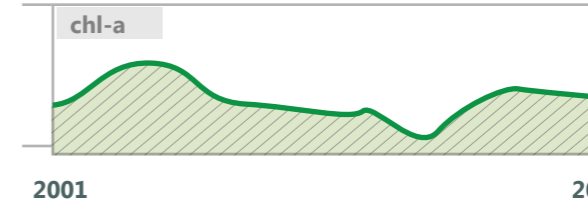


UP
21 %

LAKE HURON



6 METERS



DOWN
5 %

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COMPARE **STATIONS** ▼

SELECT STATIONS TO COMPARE [CLEAR ALL](#)

WATER QUALITY (EPA)

SUPERIOR

- 01 02 03 04 05 06 07 08 09
- 10 11 12 13 14 15 16 17 18
- 19 20

MICHIGAN

HURON

ERIE

ONTARIO

SEDIMENT

- SU 01 MI 01 HU 01
- ER 01 ON 01

AIR POLLUTANTS

CONTAMINANTS

LAKE ERIE TASK FORCE

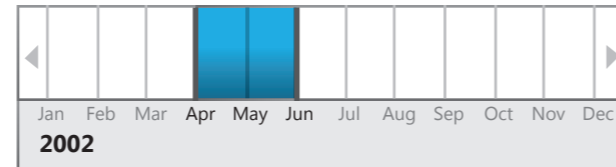
COMPARING STATIONS: WATER QUALITY, SEDIMENT DISCHARGE

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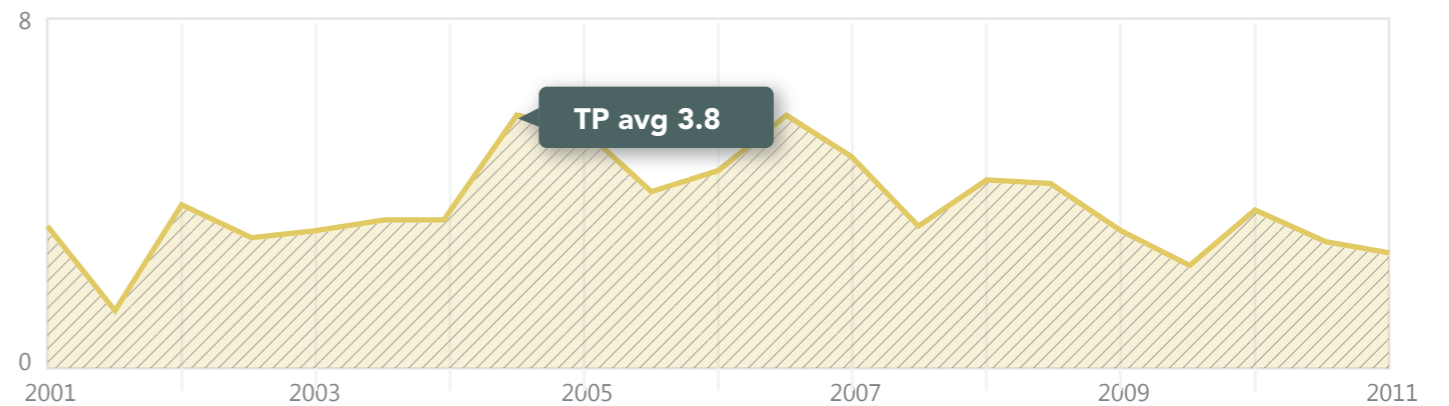
TREND LINE

DEPTH PROFILE

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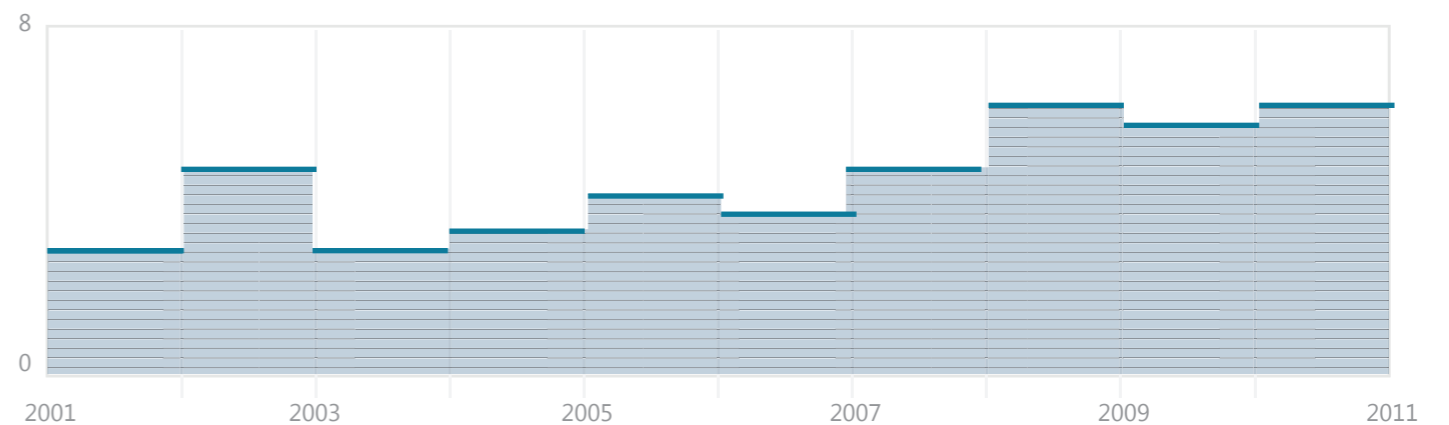
Water Quality Station:
Superior 07

Chlorophyll a ▼



Sediment Station:
SU 01

Annual Average



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 DRAW LOCATION

SELECT LOCATION 



CLEAR ALL SELECTIONS



DATA SOURCES

ALL

EPA WATER QUALITY

LAKE ERIE TASK FORCE

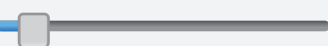
CONTAMINANTS

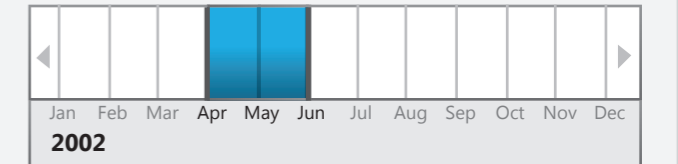
ATTRIBUTES

ALL

TIME PERIOD

ALL

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04/01 — 05/31, 2002

DOWNLOAD OPTIONS

ALL

.CSV

Create Permalink

.JSON

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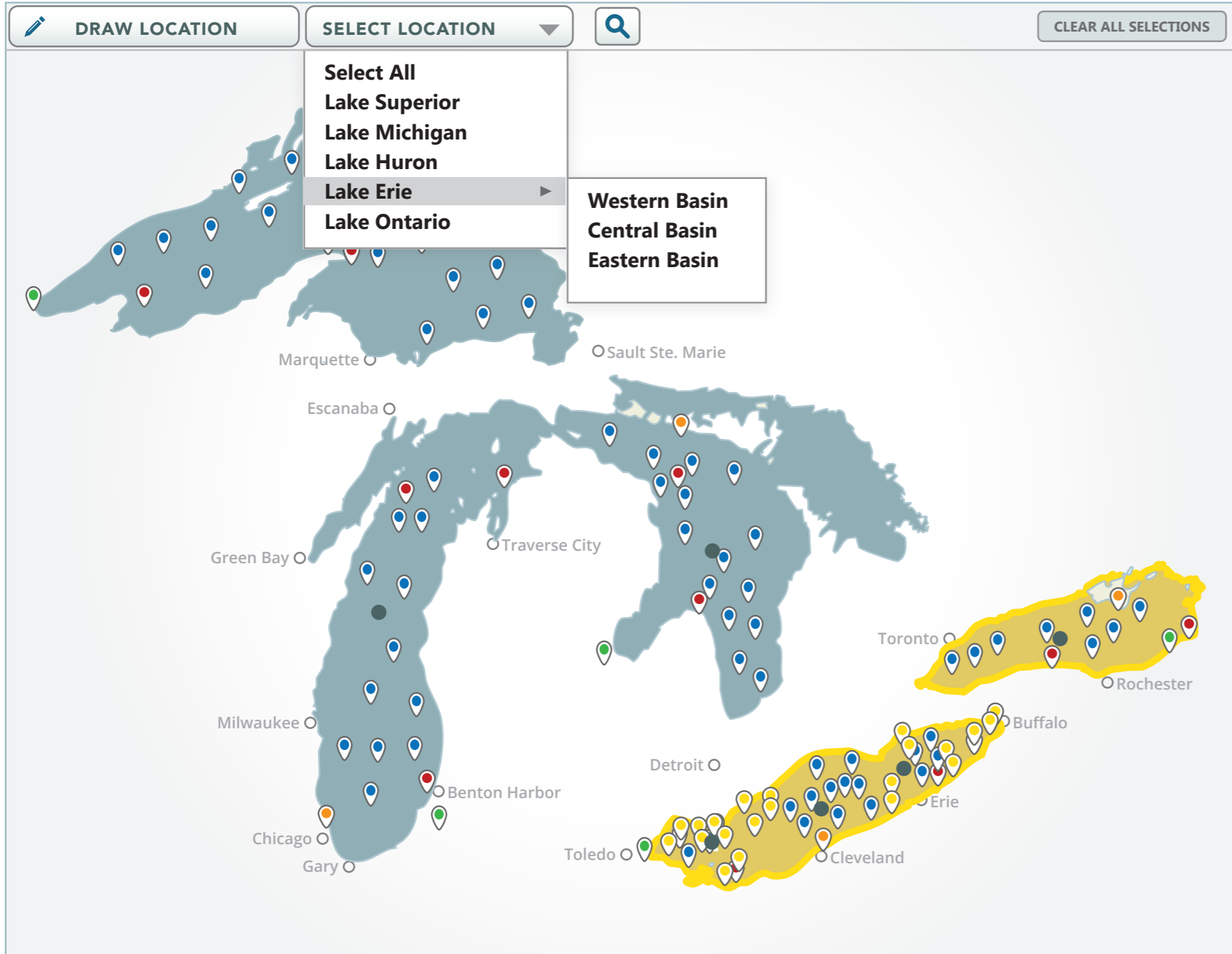
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DATA SOURCES ALL

- EPA WATER QUALITY
- LAKE ERIE TASK FORCE
- CONTAMINANTS

ATTRIBUTES ALL

TIME PERIOD ALL

Show: LESS MORE

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
2002

04/01 — 05/31, 2002

DOWNLOAD OPTIONS ALL

- .CSV
- Create Permalink
- .JSON

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