



- click "Back" to return to the Great Lakes "Application.1" web page.
- 1. Describe both the direction of wind and the speed of wind on Lake Michigan. What is the overall pattern of wind speed and direction

2. Describe the wind speed in different locations on Lake Michigan.



- Click "Back" to return to the Great Lakes "Application.1" web page.
- Click on the "All Lakes Wave Height" site.
- Click the "Back" and "Forward" buttons on the web browser to



C. Progress

The Great Lakes border not only the US, but also Canada. The water quality of the lakes affects both countries. We have to work together to provide a future for the lakes and the people who live on them. Both countries signed an agreement called "The Great Lakes Water Quality Agreement" that has helped us clean up the lakes.



- Click on the "State of the Lakes" site.

1. Overall, which lake had the highest concentration of phosphorous in 1991/92?

2. Which lake had the highest concentration of PCB's in fish?	
Lake had a	PCB concentration of ppm.
3. Which lake had the highest c	oncentration of PCB's in gull eggs?
Lake had a	PCB concentration of ppm.
4. Which lake had the second h eggs?	ighest concentration of PCB's in gull
Lakehad a	PCB concentration ofppm.
5. Compare the small inset map in the upper right corner to the larger map. Which areas show the greatest improvement between 1983 and 1991?	





- Click "Back" to return to the NOAA Research "Great Lakes" main page, or choose "Great Lakes" from your Bookmarks or Favorites.
- Click "Enrichment."

V. Enrichment Activities

A. Interviews

- 1. Interview a meteorologist about the specific weather conditions that are caused by the Great Lakes, especially in winter.
- 2. Talk with someone who has gone ice fishing and ask about what is caught, when is the best time to go, and what is used for bait.

B. Newspaper Activities

- Using the weather section or map, keep a record of the daily temperatures or snowfall at cities around the Great Lakes vs. cities inland. What is the difference between inland and coastal cities' temperature and rainfall?
- 2. Collect news articles related to the health of the Great Lakes and summarize each article.

C. Research

- 1. Write a short report on how the Great Lakes formed. Include when they were formed, how long it took, and a diagram of what happened.
- 2. Find out who was the first European to see the Great Lakes.
- 3. Using a map, list all the major cities and their populations that border the Great Lakes. Add the total population of the cities.

NOAA Research

4. Research Native American tribes that lived in the Great Lakes area.

- 5. Find out what industries are supported by the Great Lakes.
- 6. Find out why Chicago is called "The Windy City".
- 7. Research diatoms and find out what they are used for.

- Click forward at the bottom of the page.

D. Related Web Sites

 Great Lakes Effects on Weather http://www.met.fsu.edu/Classes/Met4301/reports/campbells.htm

2. Great Lakes Environmental Research Laboratory http://www.glerl.noaa.gov

3. Great Lakes Atlas - tons of info and great pictures http://www.epa.gov/glnpo/atlas/index.html

4. Native American tribal information http://www.epa.gov/glnpo/atlas/glat-ch3.html#Native%20People

5. About Our Great Lakes http://www.glerl.noaa.gov/pr/ourlakes/

6. Foreign Species http://www.glerl.noaa.gov/pubs/brochures/invasive/ansprimer.pdf

7. Health Indicator http://www.glerl.noaa.gov/pubs/brochures/dipoflyer/dipo.pdf