

Preliminary Agenda  
COSEE Great Lakes  
Lake Michigan Exploration Workshop

August 2-8, 2008

Chicago, Illinois

*Includes field tours to [Great Lakes Water Institute](#), Milwaukee, WI and  
[Indiana Dunes National Lakeshore](#), Porter, IN*

**Hotel:** [Beldon-Stratford](#), 2300 Lincoln Park West, Chicago, IL

**Note to participants who eventually will be selected:** Expect an exciting experience; incredible opportunities to interact with scientists; and numerous field-based experiences. Expect to put in very full days as you are engaged in the workshop activities, including information exchange with your peers, interactions with workshop scientists and COSEE team members, and development of a preliminary classroom unit. Over the last two years, participants found this workshop ([Lake Huron](#), [Lake Superior](#)) to be extremely worthwhile.

## Saturday, August 2

1:00-3:00 p.m. *Participants arrive in Chicago [check in at hotel is 3:00]*

3:00 p.m. *In Beldon-Stratford Conference Room or at [Peggy Notebaert Nature Museum](#)*

**Introductions/Icebreaker activity**  
**Workshop Layout/Orientation to the Week Ahead**  
**Participant Expectations (including journaling)**  
**Introduction to Concept Mapping**

6:30 p.m. *Dinner in Chicago*

## Sunday, August 3

7:00 a.m. *Breakfast at Hotel*

8:00 a.m. *Meet at [Peggy Notebaert Nature Museum](#)*

**Outline the Day's Activities**  
**View Paddle-to-the Sea Video**  
**Break educators into grade level groups**

## Sunday, August 3 (cont'd)

### **Intro to Coastal Geology—Field Trip**

*Leave Chicago at 9:30 a.m. for Milwaukee.*

Scientists will discuss coastal bluffs/erosion/geology. Visit Chiwaukee Prairie—old beach terrace, which represents one type of L. Michigan shoreline

*Stop for lunch on the way up to Milwaukee*

*Arrive at Great Lakes Water Institute-- Milwaukee by 2:30 p.m.*

### **Great Lakes Overview**

### **Prep for Monday's monitoring activities on the Neeskay vessel** Carmen Aguilar and Russell Cuhel

6:00 *Check into dorms Sandburg Hall—UW Milwaukee*

7:00 *Dinner*

*Journaling Time after Dinner*

## Monday, August 4

*7:30 a.m. Breakfast in the dorm*

*Be on the vessel at 9:00 a.m.*

### **Lake Michigan Ecosystems/Habitats**

*Concepts Taught: (Food Webs, ecosystem interactions, water quality--from a lake perspective)*

**Demonstrate ROV, Secchi disk, M&M drop, Water bottle samples, Plankton Net tow, PONAR grab, etc.**

Scientists: Carmen Aguilar and Russell Cuhel

*Eat lunch –*

2:00-5:00 *p.m.* Back to the Water Institute to process and analyze samples in the lab AND do a ***Greatest of the Great Lakes (GOGL)*** activity related to “Life in the Water”

5:00 *p.m.* Leave Milwaukee

6:00 *p.m.* Dinner

7:00 *p.m.* Leave for Chicago

9:00 *p.m.* Arrive back at Beldon-Stratford

*Journaling when back at the hotel*

## Tuesday, August 5

7:30 a.m. *Breakfast at hotel*

8:30 a.m. *Arrive at Peggy Notebaert Nature Museum  
Concept Mapping with Howard*

## **Human-Lake Interface—Issues Day**

**[Issues under consideration dependent on availability of scientists—Drinking Water, Water Consumption, Beach Closings, Water Diversion, Fish Contaminants and Human Health]**

Field trip will also be scheduled.

Educators will meet in processing circles for small group discussions with the scientist presenters.

Do a *GOGL* activity from the “Issues” section

*Journaling when back at the hotel*

## Wednesday, August 6

*Breakfast at hotel 6:30 a.m.*

*Leave hotel at 7:30 a.m. for Indiana Dunes National Lakeshore*

## **Coastal Processes**

**Dunes are a unique environment; science and ecology of the dunes**

**IN Dunes Area—**

*9:30 a.m. Concept Mapping*

*10:15 a.m. Scientist Presentation at [Paul Douglas Center for Environmental Education](#)*

*12:00 p.m. Eat Boxed Lunch at the Indiana Dunes National Lakeshore or Dunes State Park*

*Involve teachers in **dunes activity** from **GOGL**—Stephanie Smith, Alliance for the Great Lakes will be invited to conduct this activity*

*Tour of Dunes provided by a scientist or resource manager*

**On Way back to Chicago from the Dunes**

[Possible Brownfield tour of the Calumet Region or tour of Wastewater Treatment Plant-- runoff/human waste; Urban Complex—brownfields issue is very significant in this region]

*7:00 p.m. Dinner*

*Journaling when back at the hotel*

## **Thursday, August 7**

*7:00 a.m. Breakfast at hotel*

*8:00 Leave hotel and drive to the Shedd Aquarium*

### **Fisheries/Invasive Species Day**

At the [Shedd Aquarium](#)

*8:30 a.m. Concept Mapping and a short **GOGL** activity*

*9:30 a.m. Scientist: Dr. David Lodge (invited), University of Notre Dame. Aquatic Invasive Species concepts and discussion*

*11:30 a.m. Tour of Shedd Aquarium exhibit “Great Lakes Invasions” and see live aquatic invasive species in Lake Michigan*

*1:30 p.m. Lunch at the Shedd*

*2:30 p.m. Teachers are driven back to (hotel? or Peggy Notebaert Museum?) to work on group presentations.*

## **Friday, August 8**

*7:00 a.m. Breakfast at hotel and check out*

*8:30 a.m. Be at Peggy Notebaert Nature Museum*

**Teachers give presentations of the preliminary units they have developed over the course of the week.**

### **Workshop Evaluation**

*Wrap-up and adjourn at 2:30 p.m.*