

Reading Our Waters – Lake Michigan’s Food Web

- A. Define “top-down effect.” Which of the top-down effects shown, do you think is the worst?
- B. Define “bottom-up effect.” Which of the bottom-up effects shown, do you think is the worst?
- C. Based on the diagrams of Diporeia density, what would you predict for the Diporeia density in Lake Michigan in 2010?
- D. What links Diporeia and invasive mussels? Do you feel this link has merit?
- E. Many prey fish feed on alewife, an invasive species that comes from the Atlantic. How has stocking salmon and trout affected native prey fish in Lake Michigan?
- F. Whitefish numbers have remained high while the size, which is measured as “condition” has dropped. What would you predict for whitefish condition in 2005? How would that affect whitefish numbers in 2005? In 2010?
- G. Which reason do you think had the most effect on the devastation of the native population of lake trout in the 1950s?
- H. What problem does the invasive sea lamprey cause? Which method of control do you think is the most promising?