



Storm Surges and Seiches - Lesson 2: Activity

Part 1 - Data sheet (Key)

1. Figure 1 is a map of major storm tracks that affect the Great Lakes region. What direction is taken by most storms in the Great Lakes region? (Circle one)

West to East Southwest to Northeast Northwest to Southeast South to North

2. What is the direction of a line drawn the length of Lakes Erie, Ontario, Huron, Michigan and Superior through their middle? (Choose one per lake: West to East, Southwest to Northeast, Northwest to Southeast or South to North)

Lake Erie: **West to East**

Lake Ontario: **West to East**

Lake Huron: **South to North**

Lake Michigan: **South to North**

Lake Superior: **West to East**

3. What lakes are oriented in the same direction as that taken by most storms? (Circle all that apply)

Lake Erie **Lake Ontario** Lake Huron Lake Michigan **Lake Superior**

4. Which of the Great Lakes are most likely to be affected by storm surges because of orientation? (Circle all that apply)

Lake Erie **Lake Ontario** Lake Huron Lake Michigan **Lake Superior**

5. How is a seiche different from a surge?

A surge is the piling up of water by a storm. A seiche is the sloshing back and forth motion of the water.