



## Storm Surges and Seiches - Lesson 2 Activity: Impacts

### Part 1 - Data sheet

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:

Lake Ontario:

Lake Huron:

Lake Michigan:

Lake Superior:

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?