Base your answers to questions 1 through 4 on the field map below and on your knowledge of Earth Science. The map shows the depth of Lake Ontario. Isovalue values indicate water depth, in feet. Point C represents a location on the shoreline of Lake Ontario. Points D and E represent locations on the bottom of the lake.

1. What is the depth of the water at location D?
   a. 200 feet
   b. 300 feet
   c. 400 feet
   d. 500 feet

2. What is a possible depth of the water at location E?
   a. 250 feet
   b. 450 feet
   c. 650 feet
   d. 850 feet

3. What is the highest isoline value on the Water Depth of Lake Ontario map?
   a. 600 feet
   b. 700 feet
   c. 800 feet
   d. 900 feet

4. Calculate the approximate gradient of the lake bottom between point C and point D.
   a. 10 ft/mile
   b. 20 ft/mile
   c. 30 ft/mile
   d. 40 ft/mile