

Name: _____ Date: _____

Petit Bois Island Change in Size Worksheet

Use this worksheet to record your perimeter and area measurements for each year in the satellite imagery data set.

year	perimeter (km)	area (km ²)
1984		
2004		
2006		
2015		

① What is the average percentage of change in the area of Petit Bois Island per year for the following:

- a) From 1984 to 2015?
- b) From 1984 to 2004?
- c) From 2004 to 2006?
- d) From 2006 to 2015?

② Do your measurements show that the rate of change is increasing or decreasing over time? Other than change in size, what other trends do you see? In what other ways has the island changed over time?

③ Using the average rate of change in size of Petit Bois Island from 1984 to 2015 (from 1.a, above), in how many years might the island disappear altogether?