Sea Level Rise Group

Part 1: In your group, start by colouring in the elevation map of Grand Cayman and discuss in your group how you think sea level rise might impact our low-lying island.
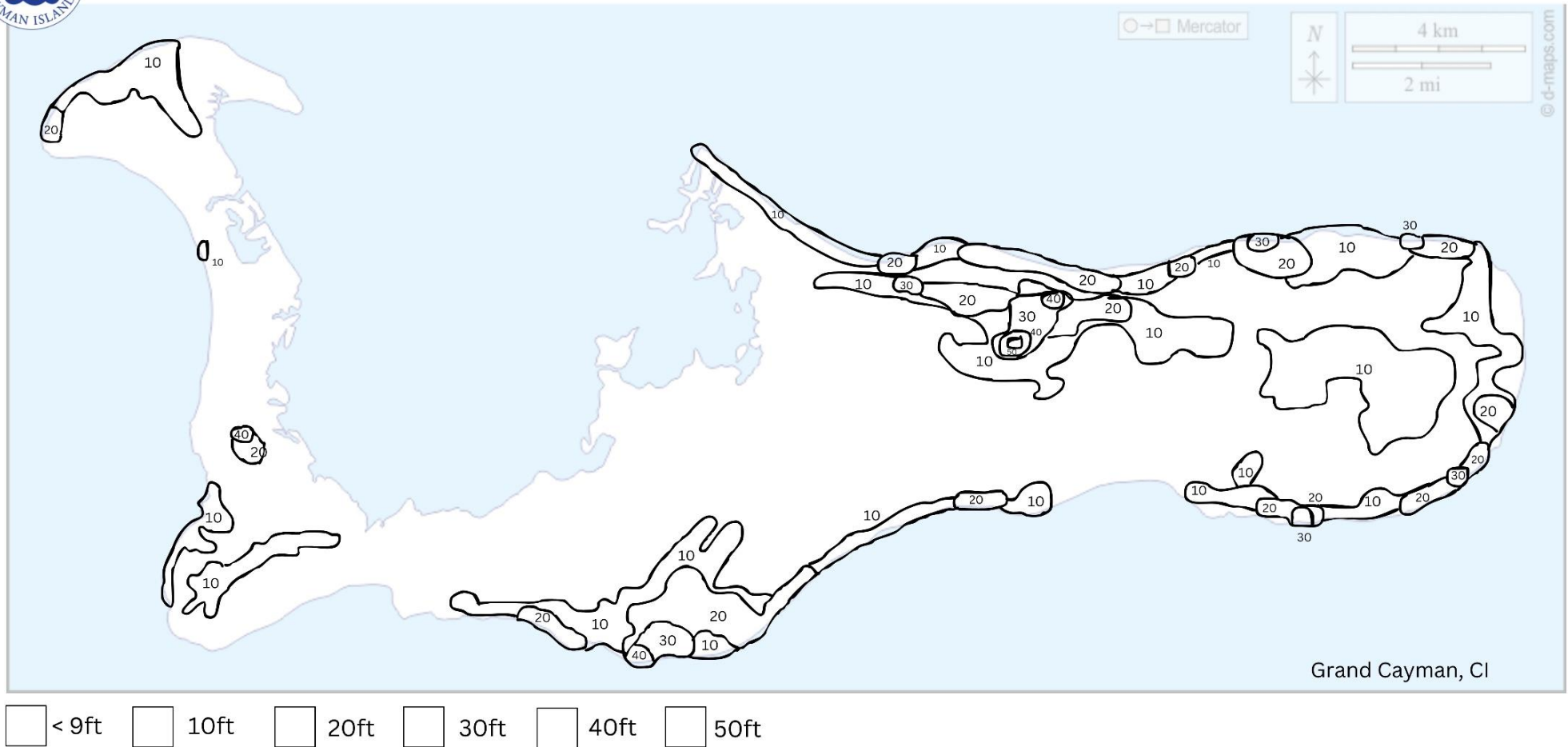
Part 2: Read through the sea level rise fact sheet and look at the predicted sea level rise map from the Department of the Environment. Using a red pen, outline the areas of the island you think will be most impacted by sea level rise. Using a black pen, draw text boxes and add relevant facts (from the fact sheet) about how these areas of risk will be impacted.

Think about:
- Do any of these areas have a high population of people?
- Are any of these areas important ecosystems?
- How might this impact Grand Cayman overall from a social, economic, and environmental point of view?
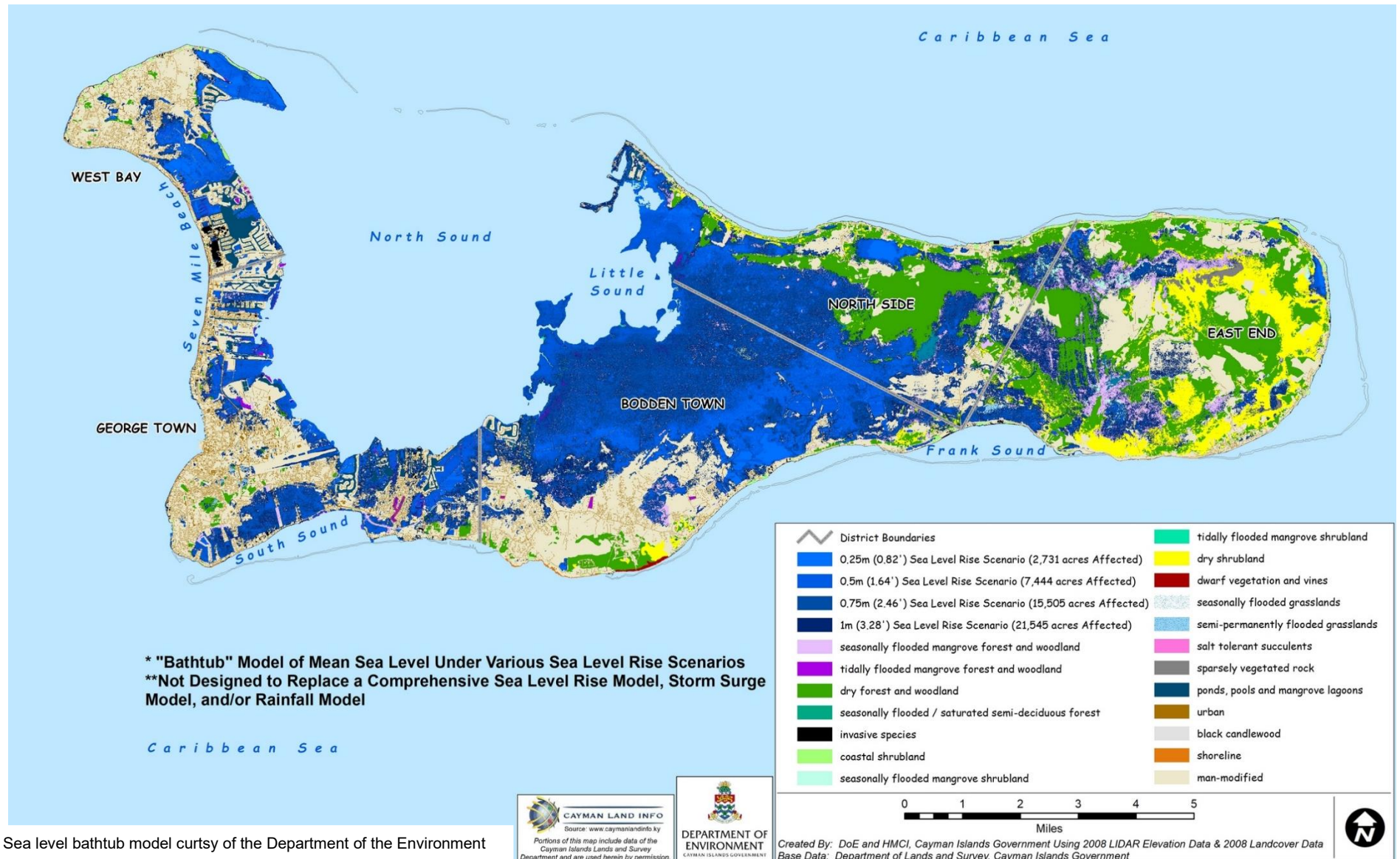
Grand Cayman, CI

☐ < 9ft   ☐ 10ft   ☐ 20ft   ☐ 30ft   ☐ 40ft   ☐ 50ft

Part 1: Colour in the map based on elevation, discuss in your group how you think the different parts of the island might be impacted by sea level rise based on the elevation difference.

Part 2a: Read through the sea level rise fact sheet and look at the predicted sea level rise map from the Department of the Environment. The blue on the map shows much of the island would be flooded based on different sea level rise scenarios.

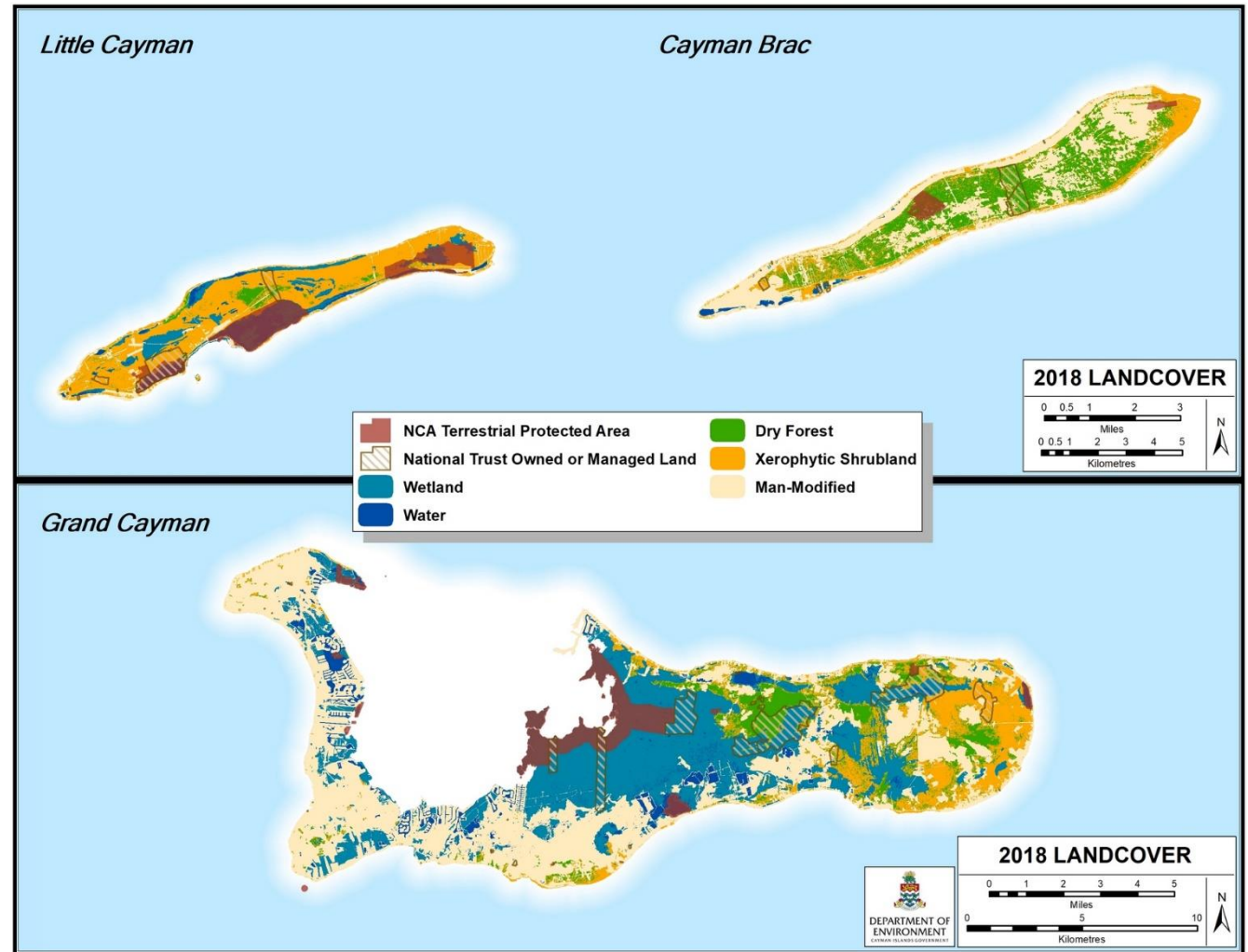Sea level bathtub model curtsy of the Department of the Environment

Part 2b: After looking at this map, using a red pen, outline the areas of the island you think will be most impacted by sea level rise. Using a black pen, draw text boxes and add relevant facts (from the fact sheet) about how these areas of risk will be impacted.

Think about:

- Do any of these areas have a high population of people?

Compare this map of important ecosystems on Grand Cayman to the sea level rise map.

- Are any of impacted areas important ecosystems?

- How might this impact Grand Cayman overall from a social, economic, and environmental point of view?

Little Cayman

Cayman Brac

2018 LANDCOVER

NCA Terrestrial Protected Area	Dry Forest
National Trust Owned or Managed Land	Xerophytic Shrubland
Wetland	Man-Modified
Water	

Grand Cayman

DEPARTMENT OF ENVIRONMENT
CAYMAN ISLANDS GOVERNMENT

2018 LANDCOVER

Ecosystems map curtsy of the Department of the Environment

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