

Boundary Bay Field Trip:

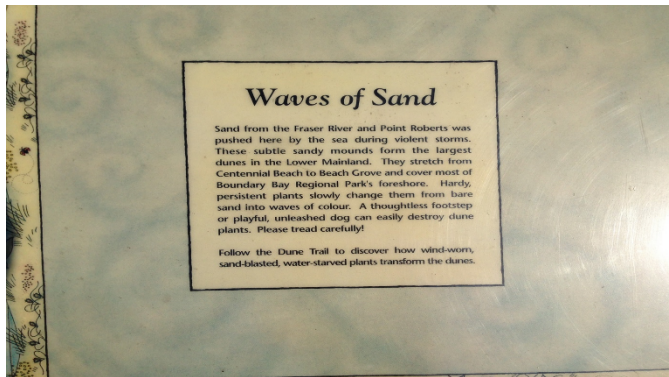
- Centennial beach

Name: _____

On the coastal walk you need to find 7 locations and take a photo of each one and a photo showing evidence of what is described:

Note: these are not in any specific order as your routes may vary.

- | | | |
|--|------------|-----------|
| 1: Waves of Sand | Yes: _____ | No: _____ |
| 2: Waves of Colour | Yes: _____ | No: _____ |
| 3: Taking root | Yes: _____ | No: _____ |
| 4: Gregory William Burns bench plaque | Yes: _____ | No: _____ |
| 5: New Land Forms | Yes: _____ | No: _____ |
| 6: Going Green | Yes: _____ | No: _____ |
| 7: WHSRN Site of hemispheric importance: | Yes: _____ | No: _____ |



Sample of the information plaques you are looking for.

Photo Challenge: You may gain answers on our next review quiz if all are completed correctly.

- | | | |
|----------------------------|------------|-----------|
| Manmade Coastal protection | Yes: _____ | No: _____ |
| 2 types of Marine Life | Yes: _____ | No: _____ |
| 2 types of bird | Yes: _____ | No: _____ |
| 2 types of plant life | Yes: _____ | No: _____ |
| Sedimentary rock | Yes: _____ | No: _____ |
| Metamorphic Rock | Yes: _____ | No: _____ |
| Evidence of erosion | Yes: _____ | No: _____ |

Bonus Photos:

- | | | |
|--|------------|-----------|
| A volcano (weather dependent) | Yes: _____ | No: _____ |
| Two types of clouds: (weather dependent) | Yes: _____ | No: _____ |

As you walk the 12TH AVE DYKE TRAIL.

1) Find an example of erosion. How can you tell that erosion is occurring? Explain what process of erosion (ice, wind, water, a combination) is occurring and why?

2) Scan the horizon to find White Rock and Point Roberts. Notice anything different about the geography of White Rock and Point Roberts compared to the surrounding area (including Centennial Beach)? Can you explain the cause for this difference?

3) What is the relationship between the Fraser River and the trail you are walking on right now? HINT: The information plaque at the 12th Ave. end of the trail may help.

4) What stage of a river (young, middle, old) would you expect to find in an area like Boundary Bay? Why?

Can you find at least three different ecosystems? (communities of plants, animals, etc) Jot down a few words to describe each one (it's ok if you don't know names).

Example: Eel grass bed: close to shore in shallow water, flat sandy bottom, lots of birds like the Great Blue Heron.

A) _____

B) _____

C) _____

As you walk the SAND DUNE TRAIL.

Notice the sand dune ecosystem. What is the soil like? What are the general features of the plant community: Trees? Bushes? Is the plant life dense or sparse? Briefly record your observations:

Look around Centennial Beach and Boundary Bay, do you notice any ways in which human activity has changed these environments?

Briefly record a few different examples: