

Name: \_\_\_\_\_

Date: \_\_\_\_\_

## Geography 12

### Topographic Map Interpretation Exercise **Key**

For questions #1 to 5, view the map of New Glasgow.

- 1) Where is New Glasgow located? **Nova Scotia**
- 2) What is the contour interval on the map? **50 feet**
- 3) Each centimeter on the map represents how many kilometers? **0.5 km**
- 4) What is the material in 2652 and what is its source?

**Sand is being deposited by the river into the ocean. A delta is being formed.**

5) Identify, using grid coordinates, key economic activities for the communities of New Glasgow, Trenton, and Stellarton.

- **Tire Plant (2051)**
- **Paper Mill (2255) and an abundance of wooded area as evidenced by the green**
- **Hints of Fishing - Fish Ladder at Skinner Point (2155), Fishers Grant (2755), Boat Harbour West (2655)**
- **Shipyards activities and likely industrial area (2751) with large buildings, cleared area, and the railway.**
- **Hints of Agriculture – Blueberry Island (2750), Cantley Raspberry (2651)**
- **Recreational opportunities – golf course (2550)**
- **Service sector activities in the built up areas (i.e. pink shading) of each community**

For questions #6 to 9, view the map of St. John's.

6) Is the St. John's area underlain by hard or soft rock? Explain.

**The coastline is rugged as evidenced by the closeness of the contour lines which indicates a steep slope. Hard rock, such as igneous and metamorphic, is generally more resistant to erosion and therefore produces this rugged coastline.**

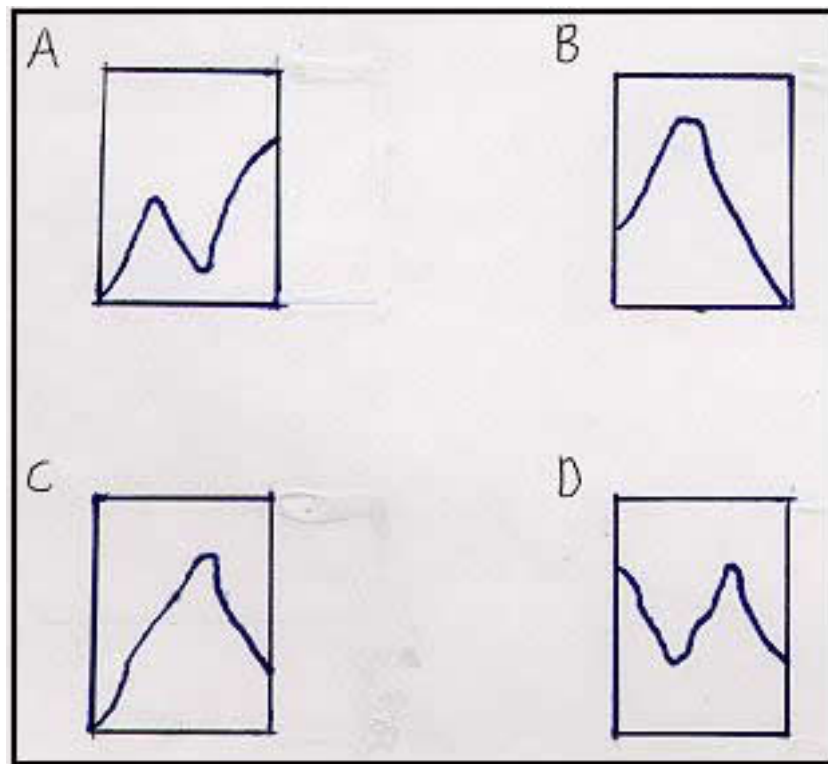
7) Which part of the map has poor drainage? Explain.

**The southeast part of the map has the presence of marshes which indicates sitting water. These marshes are located in an area with a less steep slope; hence the water does not drain away readily.**

8) Consider a proposal for a new hotel and conference centre to be built at grid reference 630699. Identify four pieces of evidence that the developer may use to justify the choice of the site for the project.

- **Close to transportation routes eg Highways 1, 18, 20, 22**
- **Aesthetic Value (i.e. view of St. John's Harbour, the Atlantic Ocean, and Quidi Vidi Lake)**
- **Leisure Activities eg golfing (6271), Signal Hill Park (6370), fishing, boating, etc.**
- **Economic Reasons i.e. St. John's is the provincial capital, therefore political conferences**
- **Minimal environmental damage**
- **Close to amenities of downtown St. John's i.e. shopping**
- **Close to existing water, sewer, and power lines**
- **Avoid the noise of being in the downtown core**

9) Which of the following profiles best represents a profile line from grid reference 652635 to 662635?



Use a process of elimination by first asking yourself, does the profile finish higher or lower than where it started? It finishes lower; therefore A and C are eliminated.

Then either go through the process and do an actual cross-section profile to confirm your answer or try to visualize the profile as you move from the starting point to the end.

Clearly, this profile simply goes up and then down a hill. Hence, the answer is **B**.

10) The distance along the road from the junction at grid reference 610716 to the junction at grid reference 615697 is approximately **c**.

a) 0.6 km b) 1.2 km c) 2.1 km d) 3.5 km

**For Questions #11 to #14, view the map of Sault St. Marie.**

11) What is a major economic activity for Sault St. Marie? What category of industry is this part of? **Steel Mill (019551), Secondary Manufacturing**

12) Which place names give a clue as to the ethnic groups that influenced the settlement of Sault St. Marie?

**British** eg McQueen (0059), Queen Elizabeth Park (0753), Buckley (0156), etc.

**Aboriginal / First Nations** eg Algoma District (0053), Algoma College (0853), Manitou (0956), Shingwauk Island (0752), etc.

**French** eg Bellevue Park (0753)

13) What type of settlement pattern dominates the eastern half of the map?

**Nucleated development as evidenced by the pink shading.**

14a) What type of settlement pattern dominates near the western edge of the map? **Dispersed.**

b) What is likely a key economic activity in this area? Explain.

**Agriculture: dispersed settlement, cleared areas, roads follow a square pattern, presence of a mushroom farm (960573)**

15) What is located at 078583? **Communication Tower**