Mapping Skills

Use the Map and Legend of Gem Island to answer the following:

1. Write the scale of the map in words \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. What colour is used for dense woodland? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3. How many submerged rocks are there on the map? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4. Name the rivers on the map \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5. Name one of the tracks found on the island \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

6. Name an area of dense woodland \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

7. What is the direction from Lindale to Coniston? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

8. What is the direction from Coniston to Smuggler’s cave? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

9. What is the direction from The Knoll on Scout Island to Herries Reef? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

10. What is the direction from Kendal Hill to the jetty? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

11. On which side of the island is Easter Bay? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

12. On which side of the island is Sandy Bay? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

13. Which point on the map is farthest west? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

14. What human feature would you find in the grid square at:

a. Area reference 2350 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ b. Area reference 2853 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

c. Area reference 3451 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ d. Area reference 2556 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

15. What physical feature would you find in the grid square at:

a. Area reference 3545 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ b. Area reference 3051 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

c. Area reference 2256 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ d. Area Reference 2347 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

16. What is the area reference for:

a. Smugglers Cave \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ b. The top of Lookout Hill \_\_\_\_\_\_\_\_\_\_\_\_\_\_

c. The highest point on Scout Island \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ d. Nab point \_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Mapping Skills for Gem Island Continued:**

17. What feature is found at each of these grid references:

a. 340470 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ b. 270565 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

c. 326501 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ d. 259565 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

18. What is the grid reference of each of the following features:

a. the trig point on Kendal Hill \_\_\_\_\_\_\_\_\_\_ b. the spot height on The Knoll \_\_\_\_\_\_\_\_\_\_\_\_

c. the submerged rock nearest to Scout island \_\_\_\_\_\_\_\_\_\_\_\_\_\_

d . the building nearest the bridge in Coniston \_\_\_\_\_\_\_\_\_\_\_\_\_

19. Give the distance in a straight line from the triangulation point on Kendal Hill to each of the following:

a. the spot height on Lookout Hill \_\_\_\_\_\_ km b. the spot height on Scout island \_\_\_\_\_\_\_ km

c. the building at Fisherman’s Beach \_\_\_\_\_\_km d. the lighthouse \_\_\_\_\_\_\_\_km

20. What is the shortest distance across The Narrows? \_\_\_\_\_ km

21. What is the height of trig point on Kendal Hill \_\_\_\_\_\_\_\_\_\_\_ metres above sea level.

22. What is the height of the summit of Lookout Hill \_\_\_\_\_\_\_\_\_\_ metres above sea level.

23. What is the height of the summit of The Knoll on Scout Island \_\_\_\_\_\_\_\_\_ metres asl.

Treasure Trail Challenge:

Start at the lighthouse, travel north-west for 6 kilometres, then north for 5.5 kilometres. Follow the track heading north-west until you reach a human feature. From there, travel directly west for three kilometres and then dig for the treasure. What did you dig?

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