

Oceanography 10 - Activity 1

Name _____

Maps, Charts, Latitude and Longitude

Part 1: Using the Fort Bragg topographic map determine the following

1. What the Map Name? _____ Type of Projection? _____,
2. Publication year _____ Was it updated and when _____
3. Fractional scale of the chart? _____
4. Using the fractional scale determine:
 - a. how many feet does one inch on the chart represent? 1 inch = _____ feet
 - b. how many meters do five cm on the chart represent? 5 cm = _____ meters
 - c. how many nautical miles on the chart is 5.25° Latitude? _____ Miles
5. What are the units of the soundings? _____
6. What is the water depth contour in Noyo Bay? _____
7. What is the elevation of the benchmark on Laguna Point? _____
8. What is the distance from:
 - a. The Fort Bragg BM to the Laguna Pt BM:
_____ cm; _____ meters; _____ miles; _____ kilometers
 - b. The mouth of Hare Creek to the mouth of Digger Creek
_____ cm; _____ meters; _____ miles; _____ kilometers
9. What is the magnetic declination for this map? _____