

ES202 Video Exercise – “Topographic Maps” – Geology Series

Overview of Topographic Maps

1. What is a topographic map?
2. Define what a contour line is.
3. True or False: Topographic maps show the location and shape of mountains, valleys and terrain.
4. What are some uses for topographical maps
5. What are some uses that ordinary people have for topographical maps?
6. On the scale, what do the different numbers represent? Example 1:24000, 1 = ?, 24000?
7. Which three categories are maps divided into?
8. Who publishes the quadrangle maps?
9. Which two states are not covered by the state map series, of either 1:500 000 or 1: 1 million?
10. What is an ortophoto map used for?

How Topographic maps are made

1. How is the horizontal control done, and what does it control?

2. How the vertical control done, and what does it control?
3. True or False: Construction of topographic maps have changed over time
4. How come some features are still plotted in the field?
5. What do these colors represent on a map?
 - a. Black
 - b. Blue
 - c. Green
 - d. Brown
6. What is a contour interval?

Using topographic maps

1. How is a topographic map made to give a more 3-D look?
2. What is the difference between perennial and intermittent water? How are they shown on the map?
3. True or False: Sea level is usually mapped as “low tide”
4. Which buildings are put on a topographic map?
5. Why is there not a fixed interval for when maps are updated?
6. What is purple on a map and how is it useful?