

Name_____

Physical Geology



Squantum Head Virtual Field Trip Worksheet

April 3, 2020

Welcome to Squantum Head. During our field trip you will see and hopefully observe many interesting geologic features. Notice the numbers on the attached map. These represent features that we will be observing today. During the hike, listen and write down the answers to the following questions. Then write a report a minimum of 5 pages with a map and photographs of the geologic features that you observed.

1. Find the contacts between the two different rock types on the beach.
2. What is the nature of the contact? Unconformity, Disconformity, Nonconformity or Angular unconformity?
3. Look for jointing within the outcrops. Can you observe any dislocation on either side of the joint set? Is it a fault? If so, what kind of fault?
4. As we round the point look out into the harbor. What do you observe?
5. As we walk along the eastern portion of Squantum Head we observe another contact. What type of contact is it?
6. Describe the geomorphic features that you observe. Mark and label them on the map.
7. Write a 5 page paper on the geology that you observed at Squantum Head. Prepare and submit a map with the geology located and labeled, and annotated photographs with the report.

Squaw Head, Squantum

Lat. 42°18'12.35"N
Long. 71° 00'42.09" W
Elevation 21 m ASL

