

Geology of Boston Harbor

Boston Harbor, Port and Estuary

Atlantic Coastal Plain and Boston Basin (one of four Massachusetts Land forms)

Prevailing winds and NE storms

Review origin of earth

Review Geologic Time

Discuss Quarternary Glaciation of 20,000 YAGO

North American Coverage-Long Is., N.Y., Cairo, Ill. And Vancouver Is.

Age Dating- Radiometric/stratigraphy

Discuss role of glacier in Boston Harbor formation and Boston Basin

Drumlins, Eskers, Sand and Gravel pits, Banks and Beaches

Rocky, sandy and muddy beaches and wave types

Sediments-Wentworth Classification

Explain Cambridge Blue clay and Argellite and Squantum Till

Why the Hub City

Boston then and now. 700A-4000 A

Instrumentation (ie sieves, fathometer, salinometer, inclinometer, sonar, radar-side scan and Doppler, GPS, LORAN, dredge, corer, heaving line vs. lead line, Secchi Disc)