

**Dominant Coastal Processes
Brant Rock to Duxbury Beach**

Longshore Sediment Transport

Cross-Shore Sediment Transport

Aeolian Transport

Tidally Induced Transport

Bank Erosion

Barrier Beach Overwash

N

W

E

S

0

0.25

0.5

Miles

• The dominant coastal process is mapped closest to the shoreline. Other important coastal processes that influence local sediment transport are shown seaward of the dominant process.

• Where appropriate, the long-term direction of longshore sediment transport has been depicted with an arrow. Arrows indicate only the net direction of transport, arrow length does not indicate the relative magnitude of transport

White lines represent town boundaries and dashed black lines show littoral cell boundaries.

Brant Rock

Marshfield

Duxbury

Powder Point

Duxbury Bay

Duxbury Beach

Littoral Cell 7

Atlantic Ocean

This map is from the South Shore Coastal Hazards Characterization Atlas, published by the Massachusetts Office of Coastal Zone Management (CZM). CZM makes no representations or warranties with respect to the definitiveness of the data presented. Prepared by Applied Coastal Research and Engineering, Inc., December 2005.

P-III/A