



Figure 6.7b. Results from the numerical sediment-transport model illustrating pathways of sediment transported from sites (red arrows) in Boston Harbor (left panel) and in western Massachusetts Bay near the new ocean outfall (right panel) after 1 (top), 2 (middle) and 10 (bottom) storms caused by waves and winds characteristic of the December 1992 northeast storm (winds from 50°). The colors show the accumulation of sediment transported from the respective site as a percentage of the total amount of sediment deposited on the sea floor in Massachusetts Bay (excluding sediment deposited in Boston Harbor). Image is at maximum ebb tidal current. After 10 storms, sediment from both sites is transported offshore into Stellwagen Basin, consistent with Boston Harbor being the source of silver found in the sediments of Stellwagen Basin (Figure 6.6).