

Friends of Penobscot Bay  
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## **EXAMINE SUBMERGED PENOBSCOT BAY WASTE SPILL/DUMP SITES**

**THE ISSUE** There are many undersea waste dumps and spill sites in Penobscot Bay. Since the start of the Petrochemical Age in the 19th century, Penobscot Bay and River have been dumping places for its waste products. Whether poured, leaked, dropped in barrels, dumped as contaminated dredge spoils or leaking from sunken vessels, these wastes have entered the region's seafloor and water column environment, and its ecology

### **THE PROJECT**

1. Determine, from government, commercial and other sources, the locations of all the known submerged and intertidal waste sites in Penobscot Bay.

(2) Use towed underwater video cameras and SCUBA diver to document conditions & gather samples, if anything visible

(3) Get the required software to create detailed 3-D bathymetric video imagery of the seafloors of the entire bay, from Cape Jellison to Matinicus Island, on which the located waste sites will be mapped. Adapt the imagery to flight simulator technology so that users can use a joystick or arrow keys to travel about through virtual undersea landscapes of Penobscot Bay. Visually accessible, it enables public, planners and regulators to determine the likely flows of toxics through the region's marine geography and food webs.

