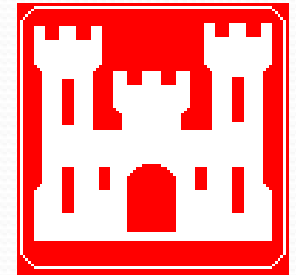
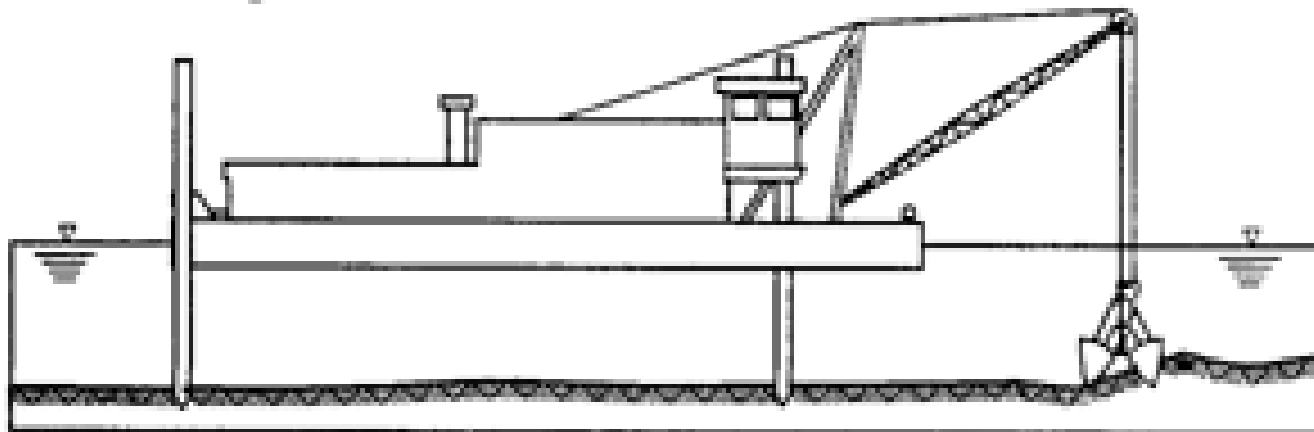


Dredging and CAD Cell Filling

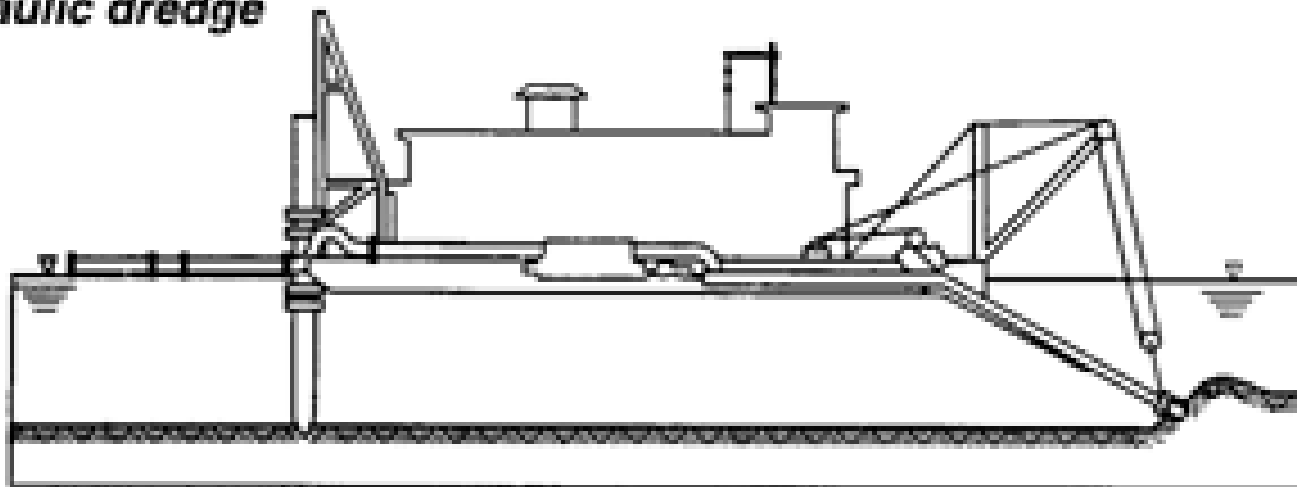


- Presenter: Paul L'Heureux
- United States Army Corps of Engineers
- Construction Project Engineer
- New Bedford Resident Office

Mechanical dredge



Hydraulic dredge



Source: USACE/USEPA (1992)

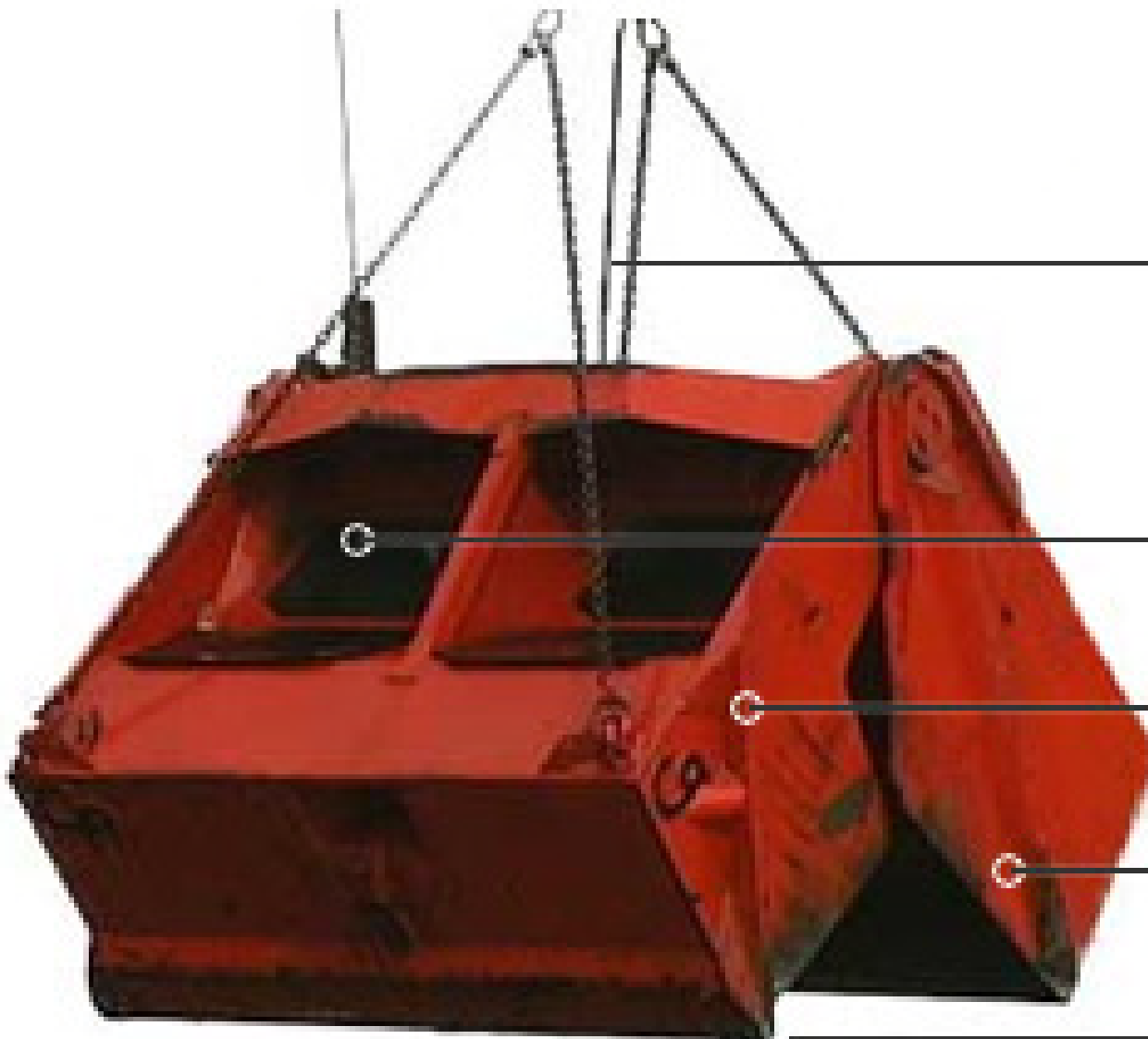
Figure 4-1. General types of commonly used dredges.

Conventional Bucket



Environmental Bucket





Closing System

Venting System

Rubber Seals

Overlap Sides

Level-Cut



Excavation by Crane

















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Excavation by Excavator













CAD Cell Filling

Lower Harbor CAD Cell Silt Curtain

- 1. Silt Curtain surrounds entire perimeter of LHCC**
- 2. Oil absorbent boom shall be maintained around the inside circumference of the silt curtain.**
- 3. The only opening to silt curtain/oil boom shall be a “door”. The dump scow shall enter the LHCC through the door which shall be closed after entering. The scow shall remain inside curtain with door closed until turbidity inside normalizes.**
- 4. Silt curtain shall be anchored in place with steel piles.**
- 5. Overlap of individual curtains shall be a minimum of five feet.**



