

## Maintenance Dredging

*Prime Contractor*

*Rockhold Creek/Herring Bay  
off the Chesapeake, MD*

*For the  
USACE Baltimore District  
Contract #DACW-31-01-B-0036*

*March - April 2002  
\$438,000*



*Bay West pumped more than 75,000,000 gallons of sediment and water into this upland Confined Disposal Facility (CDF) via 8,000 feet of dredge slurry pipeline. Bay West personnel were responsible for performing water quality testing and weir management to ensure that CDF discharge water met stringent Chesapeake Bay water quality standards.*



*For more information,  
contact us at  
info@baywest.com or log  
onto www.baywest.com*

**B**ay West performed maintenance dredging of a navigation channel off of Chesapeake Bay, Anne Arundel County, MD. This firm fixed price contract was awarded by the US Army Corps of Engineers Baltimore District.

- Removed 40,000 cubic yards of sediment, at a pumping rate of between 250 and 320 cubic yards/hour.
- Dredged a 7,300-foot-long channel to a navigable depth of 7 to 10 feet.
- Utilized a 370 hydraulic cutterhead dredge manufactured by Ellicott International. The dredge has a 10-inch-diameter discharge, a 20-foot digging depth, and the capacity to pump up to 320 cubic yards/hour.
- Used Differential GPS technology to identify dredging positions and assure dredging was completed within specified profiles.
  - Transported sediment through 12” pipeline varying in length from 3,500 to 8,000 feet long, to an existing on-land confined disposal facility (CDF).
  - Utilized an amphibious track vehicle (Marsh Master MMII) to install and remove the pipeline. The MMII is a light weight, low ground pressure track vehicle that minimizes impact to the area’s ecology. Bay West chose this option over use of traditional heavy equipment which could damage the environment.
  - Successfully met an aggressive, time-constrained schedule with no safety incidents or lost time.
- Bay West’s crew effectively completed the dredging activities near active marinas and boat slips without adversely impacting marina operations.
- By using our in-house skills and project crews, Bay West bid and delivered a lower cost on this competitively bid project than the local providers.



*Bay West used an Ellicott 370 hydraulic cutterhead dredge to perform maintenance dredging of this navigation channel for the Baltimore District.*