

CR ENVIRONMENTAL, INC.

Ecological & Oceanographic Consultants, East Falmouth, Massachusetts 02536

Bathymetric Survey Supporting Dredge Feasibility Assessment

Fishermen's Coop Marina, Pierce's Island, Portsmouth New Hampshire

In December 2002, CR Environmental performed a detailed bathymetric survey for the Maguire Group, Inc.'s Foxborough, MA office to address the need for maintenance of a navigation channel leading into the Fishermen's Co-Op marina. The survey consisted of survey lines oriented perpendicular to the channel, spaced 10-feet apart and extending into the Federal navigation channel. Survey gear included a digital 200-kHz ODEC echo sounder, a Trimble DGPS, a data logging tide gage, and HYPACK survey software. The project met all ACOE hydrographic standards for detailed pre-dredge and structural analysis. The survey was performed from CR's S/V SeaHawk.

CR prepared detailed bathymetric maps of the survey area and delivered all data products to project engineers in GIS and CAD formats. The data has helped the Maguire Group analyze potential hazards to navigation and calculate expected dredge volumes.

Reference:

Jim Jackson
Maguire Group Inc.
225 Foxborough Blvd.
Foxborough, Massachusetts 02035
(508) 543-1700

