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High-Resolution Seismic-Reflection Profiles
from the Duxbury, Massachusetts, Area

by

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In August 1980, The U.S. Geological Survey conducted a seismic study (fig. 1) of the harbor and nearshore waters of Duxbury, Massachusetts, aboard the 38' research vessel R/V NEECHO. In all, 18.5 kilometers of high-resolution seismic profiles and sidescan-sonar data were obtained.

The systems used included an 80-J minisparker and an EPC-3200¹ recorder and an EDO Western sidescan system. The navigation was by Northstar LORAN-C and by buoy-to-buoy dead reckoning within Duxbury Harbor.

The original records may be viewed at the U.S. Geological Survey, Woods Hole, Massachusetts. Microfilm copies of the seismic profiles can be purchased only from the National Geophysical and Solar-Terrestrial Data Center, U.S. National Oceanic and Atmospheric Administration, NOAA/EDIS/NGSDC, 325 Broadway, Code D621, Boulder, Colorado 80303.

¹ Use of trade names is for purposes of identification only and does not constitute endorsement by the U.S. Geological Survey.

This report is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards.

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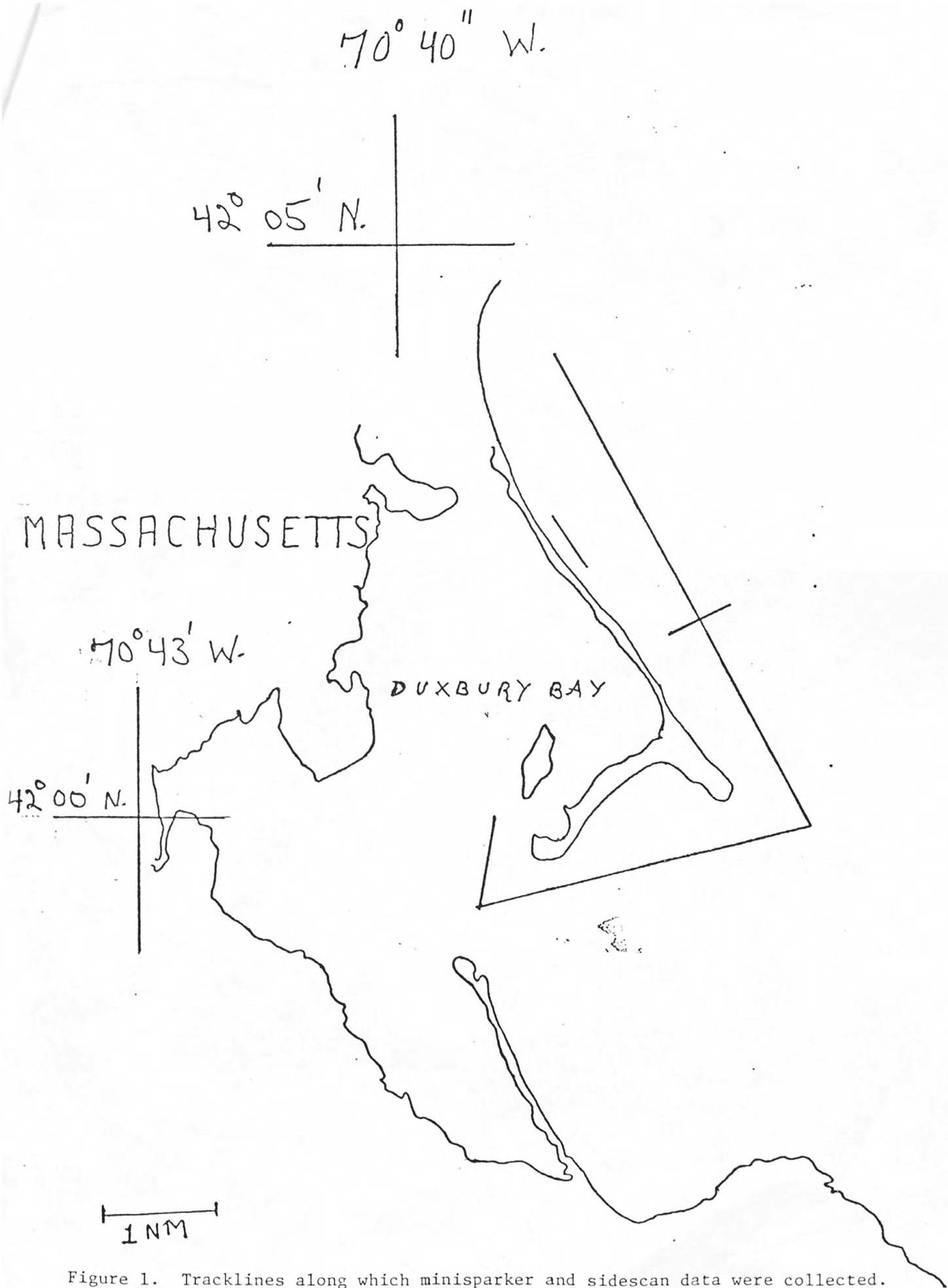


Figure 1. Tracklines along which minisparker and sidescan data were collected.

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