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MAP SHOWING TRACKLINES OF  
HIGH-RESOLUTION UNIBOOM SEISMIC REFLECTION PROFILES  
COLLECTED AUGUST 25 THROUGH OCTOBER 5, 1977, IN THE BEAUFORT SEA  
By  
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The U.S. Geological Survey conducted a cruise in the Beaufort Sea from the R/V *Samuel P. Lee* during August 25 through October 5, 1977, as part of a resource assessment of the outer continental shelf north of Alaska. The study area lies between 141° W. and approximately 168° W. longitude and extends from the 20-meter isobath north to approximately 71.5° N. latitude (see map).  
Single-channel, high-resolution (Uniboom) continuous seismic-reflection profiles were collected along 62 tracklines with a total trackline distance of 4,584 km (see map). The Uniboom hull transducers had a power range of 0.6 to 1.3 kJ and the recording system had a low-cut filter of 300 Hz and a high-cut filter of 1,500 Hz. Data were recorded onto paper rolls.  
Navigation during the survey was done by the scientific staff using a Marconi integrated satellite/supplies navigation system. Navigation information was digitized, computer plotted onto a polar stereographic projection at a scale of 1:500,000, and drafted onto a bathymetric map of the Beaufort Sea (Greenberg and others, in press) of the same projection and scale.  
Microfilm copies of the high-resolution (Uniboom) continuous seismic-reflection profiles will be purchased from the National Geophysical and Solar Terrestrial Data Center, U.S. Geological Survey, and the National Oceanic and Atmospheric Administration, U.S. Department of Commerce, for archival storage. The profiles were filmed at the U.S. Geological Survey in Menlo Park, California.  
Contributors: Jonathan, Grantz, Patrick E., and Grantz, Arthur, in press, Bathymetric map of the continental shelf, slope, and rise of the Beaufort Sea north of Alaska: U.S. Geological Survey Miscellaneous Investigations Series Map I-183A.  
This report is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards. Any use of trade names is for descriptive purposes only and does not imply endorsement by the U.S.G.S.

