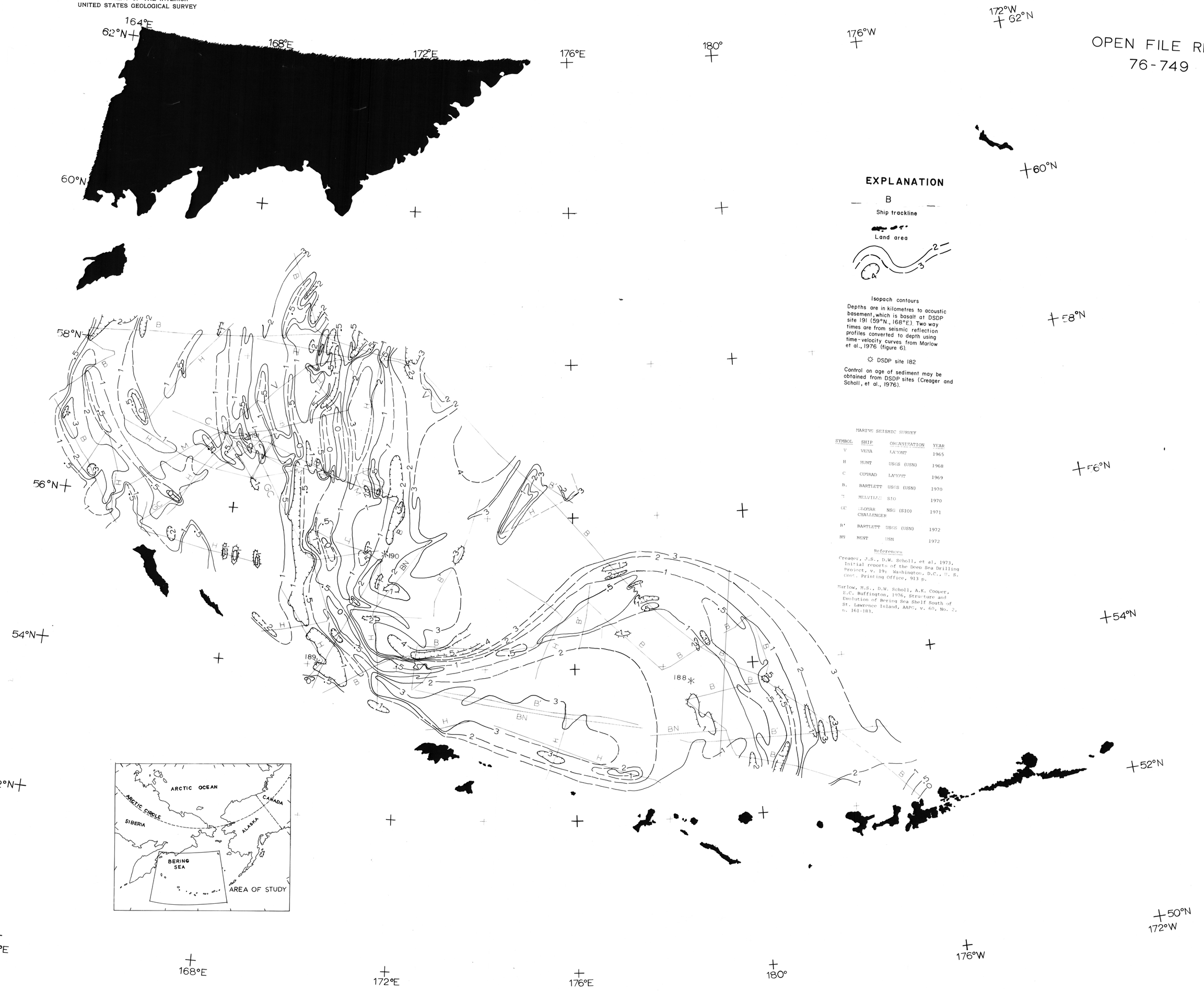
DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

OPEN FILE REPORT
76-749




## EXPLANATION

B
Ship trackline

Land area

Isopach contours

Depths are in kilometres to acoustic basement, which is basalt at DSDP site 191 (59°N., 168°E). Two way times are from seismic reflection profiles converted to depth using time-velocity curves from Marlow et al., 1976 (figure 6).

DSDP site 182

Control on age of sediment may be obtained from DSDP sites (Creager and Scholl, et al., 1976).

MARINE SEISMIC SURVEY

| SYMBOL | SHIP | ORGANIZATION | YEAR |
|---|---|---|---|
| V | VEMA | LAMONT | 1965 |
| H | HUNT | USGS (USN) | 1968 |
| C | CONRAD | LAMONT | 1969 |
| B. | BARTLETT | USGS (USN) | 1970 |
| " | MELVILLE | SIO | 1970 |
| GC | GLOMAR CHALLENGER | NSG (SIO) | 1971 |
| B' | BARTLETT | USGS (USN) | 1972 |
| BN | BENT | USN | 1972 |

References


Creager, J.S., D.W. Scholl, et al, 1973, Initial reports of the Deep Sea Drilling Project, v. 19; Washington, D.C., U. S. Govt. Printing Office, 913 p.

Marlow, M.S., D.W. Scholl, A.K. Cooper, E.C. Buffington, 1976, Structure and Evolution of Bering Sea Shelf South of St. Lawrence Island, AAPG, v. 60, No. 2, p. 161-183.


Transverse Mercator Projection
SCALE 1:2,009,569

0 50 100 Nautical Miles

0 50 100 Kilometres

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

# PRELIMINARY ISOPACH MAP OF THE BERING SEA BASIN

BY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David W. Scholl, and Carrie E. Carpenter


1976


U.S. GEOLOGICAL SURVEY
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