



United States Department of the Interior

MINERALS MANAGEMENT SERVICE
Alaska Outer Continental Shelf Region
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DATA ANNOUNCEMENT **Minerals Management Service**

Outer Continental Shelf Permits 76-17
Contract 14-08-0001-16726 and Purchase Order 600517

MULTI-CHANNEL SEISMIC REFLECTION DATA **SHUMAGIN, KODIAK AND GULF OF ALASKA GEOLOGIC BASINS** **NORTHWESTERN GULF OF ALASKA**

During the summer and fall of 1976, Digicon, Inc., acquired 6,372.81 miles of multi-channel seismic reflection data. These data were collected under Permit 76-17 issued by the Minerals Management Service (MMS). The MMS acquired these data on September 20, 1977, under Contract 14-08-0001-16726. Under the conditions of the Contract and subsequent regulations, the data will become available to the public on March 29, 2001. We are soliciting interest by the public in receiving copies of these data. If there is a positive response to this announcement, we will make the data available to the Geology and Geophysics Division of the National Geophysical Data Center (NGDC), Boulder, Colorado. They will be responsible for making copies and marketing these data.

Under Permit 76-17, one vessel was used. The M/V Indian Seal used a 22 air gun array with a capacity of 1,160 cubic inches and a maximum pressure of 1700 PSI. The energy sources were suspended from the vessel at a depth of 30 feet. The navigation for this survey was Loran C with satellite update.

The M/V Indian Seal towed two streamers. The mini-cable was a 200 meter streamer with 12 groups of hydrophones and a 16 2/3 meter group interval. The record length was 2-3 seconds. The sample rate was 2 milliseconds. The main cable was 2400 meters long with a group interval of 25 meters for a total of 96 groups and 16 hydrophones per group. Data were collected at a 4-millisecond sample rate with a 6-second record length. The streamers were towed at a depth of 40 feet.

The mini-cable data were processed in a 4-fold stack. The main cable data were processed in a 48-fold stack. The final displays are after automatic gain control was applied. The specific data that will be released are as follows.

DATA AVAILABLE

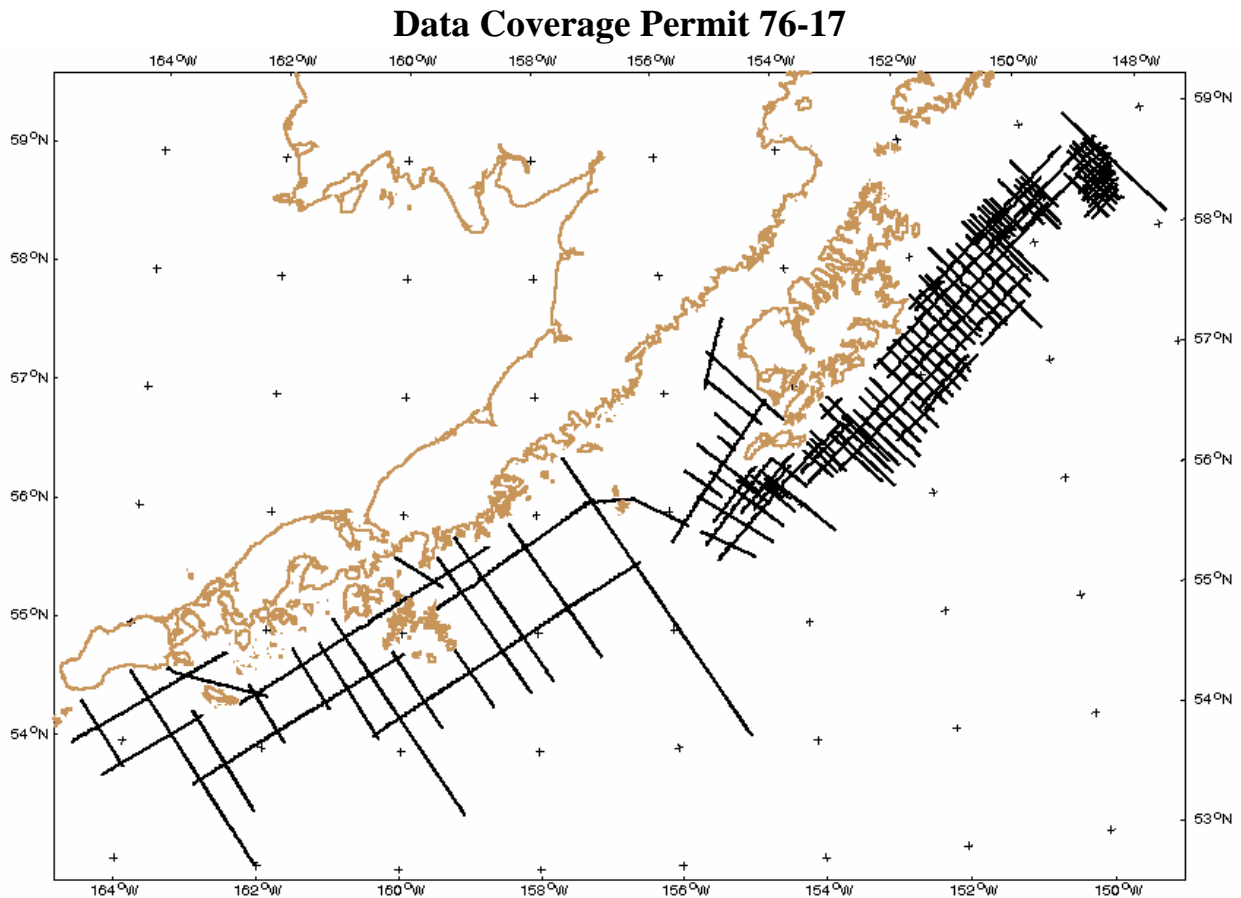
The attached small-scale maps display the coverage. The seismic reflection profiles can be supplied as plastic sepia, paper sepia, and/or blackline prints. The main cable data are processed and displayed in two forms. There are standard stack sections with a time

variable filter applied. These records are displayed at 2 ½ inches-per-second vertical scale. There is also a “Cohere” display where the stack data is further processed in an attempt to remove high angle reflectors. The Cohere sections are displayed at a vertical scale of 3 inches-per-second vertical scale. The mini-cable data are displayed as full scale sections (5 inches-per-second 2-way travel time).

Velocity plots have been scanned and recorded on CD-ROM.

A navigation map is available as a reproducible or paper copy.

Digital navigation data are available on CD-ROM.



For further information or expressions of interest in acquiring the data please contact:

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Additional data release announcements may be found at <http://www.mms.gov/alaska/re/relgg/INDEX.htm>