

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

---

AVAILABILITY OF FORAMINIFERA AND PALYNOMORPH REPORTS  
FROM SHOT HOLE SAMPLES OF  
NATIONAL PETROLEUM RESERVE IN ALASKA

By

H. A. Gibson and Arthur L. Bowsher

OPEN-FILE REPORT NO. 81-1340

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

Availability of Foraminifera and Palynomorph Reports  
from Shothole Samples of  
National Petroleum Reserve in Alaska

Shothole samples were collected from seismic lines within the boundaries of the National Petroleum Reserve in Alaska. Geophysical Services, Inc., subcontracted by Husky Oil NPR Operations, Inc., surveyed the seismic lines and collected bottom-hole samples at depths of 90 and 105 feet. However, the sample selection for this study was restricted to eight seismic lines and the availability of samples for those selected lines which was established to be an interval between 440 and 880 feet (Figure 1). Rock samples from the eight seismic lines were submitted to Anderson, Warren, and Associates for palynomorph and foraminifer processing.

Table 1 indicates the line numbers, seismic point (shothole sample) interval, and the number of samples processed for that interval.

TABLE 1

Line No.	Seismic Interval (SP)	Processed Samples
29	374-470	59
37	256-758	186
37X	2-1097	156
45	601-952	350
45X	996-1361	169
46	500-700	92
51	3-557	258
51X	600-911	154

Sample Preparation

A total of 1,365 shothole samples from selected seismic lines were processed using standard laboratory techniques. Samples were washed over 20 and 200 mesh screens and boiled in a Quaternary-O solution. Washed samples were then picked and mounted on slides for examination.

Foraminifera and Palynomorph Reports

Anderson, Warren, and Associates prepared foraminifera and palynomorph reports for the shothole samples. The reports include a detailed listing of genera, a brief lithologic description, and an age and environment determination.

Report Request

Requests for copies of the reports should be addressed to:

National Geophysical and Solar-Terrestrial Data Center (D-621)  
NOAA/EDIS/NGSDC  
Boulder, Colorado 80303  
Telephone: (303) 499-1000 (ext. 6338)

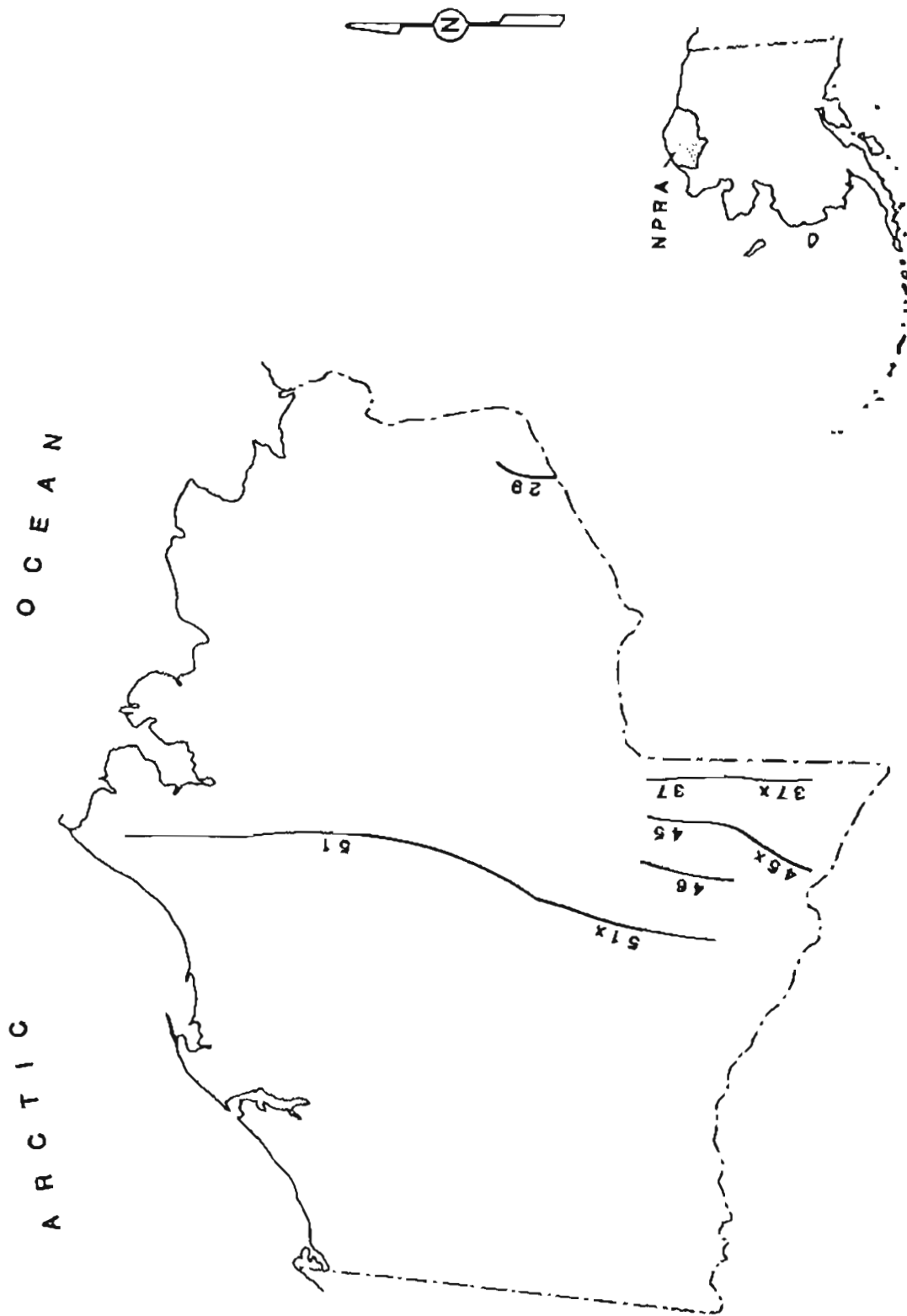


Figure 1.- Index map of N.P.R.A. showing seismic line locations included in report.

On-site Examination

Washed residues with picked slides are available for examination at:

U.S. Geological Survey, MS 87  
Office of National Petroleum Reserve in Alaska  
Casa Mills Building, Room 239  
200 Middlefield Road  
Menlo Park, California 94025

Microscope not available.