UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

HOWARD PASS (A-4) QUADRANGLE
ALASKA
1:63 360 SERIES (TOPOGRAPHIC)

NOATAK NATIONAL PRESERVE

NOATAK WILDERNESS

NORTH SLOPE BOROUGH
NORTHWEST ARCTIC BOROUGH

Fenlak Lake
Navashak Lake
Sikik Lake
MAKPIK CREEK
NOATAK RIVER
ANIUK RIVER

PRODUCED BY THE UNITED STATES GEOLOGICAL SURVEY
CONTROL BY ..... USGS, NOS/NOAA
COMPILED FROM AERIAL PHOTOGRAPHS TAKEN ..... 1978 AND 1980
MAP NOT FIELD CHECKED. MAP EDITED 1990
PROJECTION ..... UNIVERSAL TRANSVERSE MERCATOR
GRID: 5000-METER UNIVERSAL TRANSVERSE MERCATOR ..... ZONE 4
20,000-FOOT STATE GRID TICKS ..... ALASKA, ZONE 6
UTM GRID DECLINATION ..... 0°50' EAST
1990 MAGNETIC NORTH DECLINATION ..... 22°30 EAST
VERTICAL DATUM ..... NATIONAL GEODETIC VERTICAL DATUM OF 1929
HORIZONTAL DATUM ..... 1927 NORTH AMERICAN DATUM

To place on the predicted North American Datum of 1983, move the projection line 63 meters north and 125 meters east

Land lines represent unsurveyed and unmarked locations predetermined by the Bureau of Land Management, Folio K-2, Kateel River Meridian

There may be private inholdings within the boundaries of any Federal or State Reservations shown on this map

Federal Reservation boundaries established by the Alaska National Interest Lands Conservation Act, PI 96-487, Dec. 2, 1980, are shown as compiled by the administering agencies

Swamps, as portrayed, indicate only the wetter areas, usually of low relief, as interpreted from aerial photographs

PROVISIONAL MAP
Produced from original manuscript drawings. Information shown as of date of photography 1

SCALE 1:63 360

CONTOUR INTERVAL 100 FEET
SUPPLEMENTARY CONTOUR INTERVAL 50 FEET

To convert meters to feet multiply by 3.2808
To convert feet to meters multiply by .3048

FOR SALE BY U.S. GEOLOGICAL SURVEY, FAIRBANKS, ALASKA 99701
DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092

ADJOINING QUADRANGLE NAMES

1	2	3
4		5
6	7	8

1 Howard Pass (B-5)
2 Howard Pass (B-4)
3 Howard Pass (B-3)
4 Howard Pass (A-5)
5 Howard Pass (A-3)
6 Ambler River (D-5) & (D-6)
7 Ambler River (D-4) & (D-5)
8 Ambler River (D-3) & (D-4)

ROAD LEGEND
No roads or trails in this area

HOWARD PASS (A-4), ALASKA
PROVISIONAL EDITION 1990
68157-A7-TF-063

INTERIOR-GEOLOGICAL SURVEY, RESTON, VIRGINIA 1990