UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

HOWARD PASS (B-4) QUADRANGLE

ALASKA–NORTH SLOPE BOROUGH

1:63 360 SERIES (TOPOGRAPHIC)

(HOWARD PASS C-5) (HOWARD PASS C-3)

158°24′ 25 R 28 W 20′ R 27 W 30 000m E 10′ 35 R 27 W R 26 W (HOWARD PASS C-4) 40 158° 45 R 26 W 520 000 FEET R 25 W 50′ 157°48′

68°30′ 75 95 000m N 95 5 280 000 FEET

T 11 S T 12 S

NATIONAL PETROLEUM RESERVE IN ALASKA

Kuna River Creek Story Creek Safari Creek

Urvaksak Creek Creek Safari Creek

(HOWARD PASS B-5) (HOWARD PASS B-3)

R 28 W R 27 W R 2 E R 3 E NORTH BOUNDARY SOUTH BOUNDARY R 27 W R 26 W R 3 E R 4 E KATEEL RIVER UMIAT MERIDIAN R 3 E R 4 E MERIDIAN R 26 W R 25 W R 4 E R 5 E

T 12 S T 34 N

Apex

Sinktannevak Mountain Makpik Creek

NOATAK NATIONAL PRESERVE

NOATAK WILDERNESS

T 34 N T 33 N

Feniak Lake

68°15′ 158°24′ 20′ R 2 E 460 000 FEET 30 R 3 E 10′ 35 (HOWARD PASS A-4) R 3 E R 4 E 40 158° 45 000m E INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1984 50′ 157°48′

(HOWARD PASS A-5) (HOWARD PASS A-3)

Mapped, edited, and published by the Geological Survey

Control by USGS and NOS/NOAA

Topography by photogrammetric methods from aerial photographs taken 1971 and 1973. Map not field checked. Map edited 1984

Projection and 5000-meter grid
Universal Transverse Mercator, zone 4
20,000-foot grid ticks based on Alaska coordinate system, zone 6. 1927 North American Datum
To place on the predicted North American Datum 1983 move the projection lines 62 meters north and 125 meters east

Land lines represent unsurveyed and unmarked locations predetermined by the Bureau of Land Management
Folio U-9, Umiat Meridian, and Folio K-2, Kateel River Meridian

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

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

There may be private inholdings within the boundaries of the National or State reservations shown on this map

GN MN 0°50′ 15 MILS 23° 409 MILS

UTM GRID AND 1984 MAGNETIC NORTH DECLINATION AT CENTER OF MAP DIAGRAM IS APPROXIMATE

SCALE 1:63 360

1 .5 0 1 2 3 4 5 6 KILOMETERS

1 0 1 2 3 MILES

3000 0 3000 6000 9000 12000 15000 FEET

CONTOUR INTERVAL 20 METERS
NATIONAL GEODETIC VERTICAL DATUM OF 1929

FOR SALE BY U. S. GEOLOGICAL SURVEY
FAIRBANKS, ALASKA 99701, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

ALASKA
QUADRANGLE LOCATION

CONTOURS AND ELEVATIONS IN METERS

ROAD CLASSIFICATION

No roads or trails in this area

HOWARD PASS (B-4), ALASKA

N6815–W15748/15X36

1984

RETURN TO:
NMD HISTORICAL MAP ARCHIVES
USGS NATIONAL CENTER, MS-522
RESTON, VA 22092