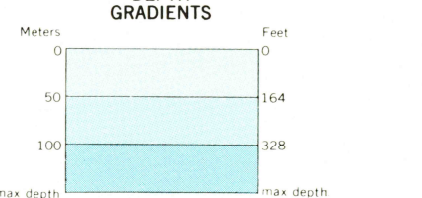


NATIONAL OCEAN SERVICE HYDROGRAPHIC SURVEY INFORMATION			
SURVEY NUMBER	SURVEY DATE	SCALE	SURVEY LINE SPACING (NAUT. MILES)
H-8789	1964	1:10,000	02.30
H-8790	1964	1:10,000	02.30
H-8856	1964	1:10,000	01.46
H-8963	1967	1:10,000	01.15
H-8964	1967-74	1:20,000	01.04
H-8965	1967-74	1:20,000	04.25
H-9075	1969	1:20,000	01.04
H-9435	1974	1:20,000	05.20
H-9436	1974	1:20,000	04.20
H-9437	1974	1:20,000	06.21
H-9446	1974-77	1:20,000	05.08
H-9529	1975	1:20,000	04.08
H-9541	1975	1:20,000	02.10
H-9545	1976	1:20,000	02.20
H-9519	1976	1:20,000	01.20
H-9600	1976	1:20,000	04.10
H-9621	1976	1:20,000	05.10
H-9648	1976-77	1:20,000	05.10
H-9696	1977	1:20,000	05.10
H-9697	1977	1:20,000	02.40
H-9707	1977	1:20,000	02.03
H-9708	1977	1:20,000	02.40
H-9770	1978	1:20,000	04.21
H-9771	1978	1:20,000	03.10
H-9773	1978	1:20,000	06.20
H-9776	1978	1:20,000	02.20
H-9777	1978	1:20,000	03.10
H-9827	1979	1:20,000	04.20
H-9833	1979	1:20,000	01.15
H-9835	1979	1:20,000	02.30

BATHYMETRY COMPILED IN 1983 BY NATIONAL OCEAN SERVICE. BATHYMETRY WAS COMPILED FROM NOS HYDROGRAPHIC SURVEYS (SEE INDEX). BATHYMETRY SURVEY DATA COMPLY WITH INTERNATIONAL HYDROGRAPHIC ORGANIZATION SPECIAL PUBLICATION 44 ACCURACY STANDARDS AND/OR STANDARDS USED AS OF THE DATE OF THE SURVEY. THIS INFORMATION IS NOT INTENDED FOR NAVIGATIONAL PURPOSES.



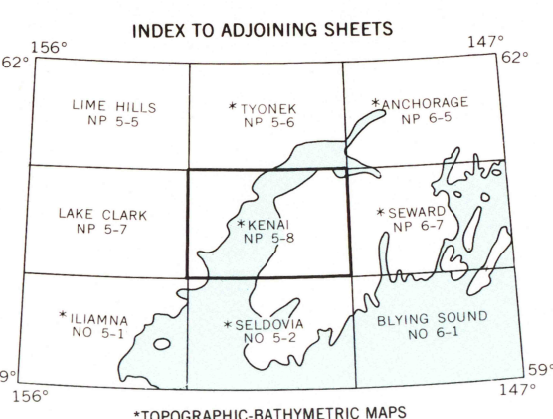
CONVERSION TABLE			
Meters	Feet	Feet	Meters
1	3.2808	1	3.048
2	6.5617	2	6.096
3	9.8425	3	9.144
4	13.1234	4	12.192
5	16.4042	5	15.240
6	19.6850	6	18.288
7	22.9659	7	21.336
8	26.2467	8	24.384
9	29.5276	9	27.432
10	32.8084	10	30.480

To convert meters to feet multiply by 3.2808  
To convert feet to meters multiply by 0.3048

MAPPED, EDITED, AND PUBLISHED BY THE GEOLOGICAL SURVEY  
CONTROL BY USGS, NOS/NOAA, AND USGS  
COMPILED IN 1964 FROM U.S. GEOLOGICAL SURVEY 1:63,360 SCALE MAPS,  
SURVEYED 1951, 1952 AND 1958. REVISED IN PART FROM  
AERIAL PHOTOGRAPHS TAKEN 1977 AND 1978. MAP NOT FIELD CHECKED  
SELECTED HYDROGRAPHIC DATA COMPILED FROM NOS/NOAA CHARTS  
CHARTS 1660 (1960) AND 1660 (1960)  
THIS INFORMATION IS NOT INTENDED FOR NAVIGATIONAL PURPOSES  
PROJECTION AND 10,000-METER GRID  
UNIVERSAL TRANSVERSE MERCATOR, ZONE 5  
100,000-FOOT GRID TICS BASED ON ALASKA COORDINATE SYSTEM, ZONES 4 AND 5  
1927 NORTH AMERICAN DATUM. TO PLACE ON THE PREDICTED NORTH  
AMERICAN DATUM 1983 MOVE THE PROJECTION LINES 69 METERS NORTH  
AND 122 METERS EAST  
GRAY LAND LINES REPRESENT UNSURVEYED AND UNMARKED LOCATIONS  
PREDETERMINED BY THE BUREAU OF LAND MANAGEMENT  
FOLIOS 5-12, 5-13, 5-16 AND 5-17, SEWARD MERIDIAN  
SWAMP, AS PORTRAYED, 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  
THE ALASKA MARITIME NATIONAL WILDLIFE REFUGE CONSISTS OF  
ALL THE PUBLIC LANDS IN THE COASTAL WATERS AND ADJACENT  
SEAS OF ALASKA CONSISTING OF ISLANDS, ISLETS, ROCKS, REEFS,  
CAPES AND SPIRES, AS WELL AS DESIGNATED MAINLAND AREAS  
THERE MAY BE PRIVATE INHOLDINGS WITHIN THE BOUNDARIES OF  
THE NATIONAL OR STATE RESERVATIONS SHOWN ON THIS MAP  
OFFSHORE PROTECTION SURVEY DATA, PRINTED IN RED, FURNISHED BY THE  
MINERALS MANAGEMENT SERVICE. HEAVY LINES INDICATE LIMITS OF  
MMS OUTER CONTINENTAL SHELF OFFICIAL PROTECTION DIAGRAMS  
DATED MARCH 20, 1975  
THE PROTECTIONS ON THIS MAP ARE NOT FOR FEDERAL LEASING PURPOSES.  
FOR SUCH PURPOSES, REFER TO THE OCS OFFICIAL  
PROTECTION DIAGRAMS AVAILABLE FROM MINERALS MANAGEMENT SERVICE

Scale 1:250,000  
5 0 5 10 15 20 25 30 Statute Miles  
5 0 5 10 15 20 25 30 Kilometers  
5 0 5 10 15 20 25 30 Nautical Miles  
CONTOUR INTERVAL 200 FEET  
DOTTED LINES REPRESENT 100 FOOT CONTOURS  
NATIONAL GEODETIC VERTICAL DATUM OF 1929  
BATHYMETRIC CONTOUR INTERVAL 10 METERS TO MAXIMUM DEPTH  
SUPPLEMENTED BY 5 METER INTERVALS  
DATUM IS MEAN LOW WATER  
THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE  
HORSE LINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER  
1985 MAGNETIC DECLINATION AT SOUTH EDGE OF SHEET VARIES FROM 23° TO 24°30' EAST  
FOR SALE BY THE U.S. GEOLOGICAL SURVEY, FAIRBANKS, ALASKA 99701, DENVER, COLORADO 80225  
OR RESTON, VIRGINIA 22092 AND BY NATIONAL OCEAN SERVICE, RIVERDALE, MARYLAND 20737  
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE UPON REQUEST



ROAD CLASSIFICATION  
MEDIUM DUTY ..... LIGHT DUTY .....  
UNIMPROVED DIRT .....  
STATE ROUTE  
KENAI, ALASKA  
60150-41-18-250  
1958  
USGS NW HISTORICAL MAP ARCHIVES  
LIMITED REVISION 1986