



UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL OCEAN SERVICE
Office of Ocean and Earth Sciences
Silver Spring, Maryland 20910

TIDE NOTE FOR HYDROGRAPHIC SURVEY

ORIGINAL

DATE: January 5, 1994

MARINE CENTER: Pacific

OPR: P180

HYDROGRAPHIC SHEET: H-10479

LOCALITY: Yantarni Bay, Shelikof Strait, Alaska

TIME PERIOD: June 3, 1993 - July 1, 1993

TIDE STATION USED: 945-8631 Cape Kunmik, Alaska

Lat. $56^{\circ} 47.5'N$ Lon. $157^{\circ} 07.5'W$

PLANE OF REFERENCE (MEAN LOWER LOW WATER): = 1.01 feet

HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: = 9.2 feet

TIDE STATION USED: 945-8553 Ugalushak Island, Alaska

Lat. $56^{\circ} 47.7'N$ Lon. $156^{\circ} 51.1'W$

PLANE OF REFERENCE (MEAN LOWER LOW WATER): = -2.72 feet

HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: = 9.5 feet

REMARKS: RECOMMENDED ZONING

Times and heights are direct on Cape Kunmik, Ak. (945-8631).
When data are not available for Cape Kunmik, times are direct and
apply a x0.97 range ratio to heights at Ugalushak Island, Ak.
(945-8553).

NOTE: Hourly heights are tabulated on Greenwich Mean Time.

William M. Hobbs

CHIEF, DATUMS SECTION

J. F. &

