



ORIGINAL

TIDE NOTE FOR HYDROGRAPHIC SURVEY (revised)

DATE: October 7, 1993

MARINE CENTER: Pacific

OPR: 0136

HYDROGRAPHIC SHEET: H-10469

LOCALITY: Hobart Bay, Stephens Passage, Alaska

TIME PERIOD: April 15, 1993 - April 27, 1993

TIDE STATION USED: 945-1785 The Brothers, Alaska
Lat. $57^{\circ} 17.7'N$ Lon. $133^{\circ} 47.8'W$

PLANE OF REFERENCE (MEAN LOWER LOW WATER): = -0.88 feet
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: = 13.8 feet

TIDE STATION USED: 945-1872 Hobart Bay Inside, Alaska
Lat. $57^{\circ} 26.2'N$ Lon. $133^{\circ} 22.5'W$

PLANE OF REFERENCE (MEAN LOWER LOW WATER): = -3.55 feet
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: = 14.2 feet

TIDE STATION USED: 945-1892 Hobart Bay, The Salt Chuck, Alaska
Lat. $57^{\circ} 26.7'N$ Lon. $133^{\circ} 20.0'W$

PLANE OF REFERENCE (MEAN LOWER LOW WATER): = 29.91 feet
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: = 2.7 feet

REMARKS: RECOMMENDED ZONING

1. West of line between points $57^{\circ} 25.3'N$, $133^{\circ} 25.7'W$ and $57^{\circ} 25.5'N$, $133^{\circ} 26.2'W$ times are direct and apply a x1.03 range ratio to The Brothers, Ak. (945-1785). Data from the back-up gauge at The Brothers (945-1786) is used.



HYDROGRAPHIC SHEET: H-10469 (continued)

2. East of line between points $57^{\circ} 25.3'N$, $133^{\circ} 25.7'W$ and $57^{\circ} 25.5'N$, $133^{\circ} 26.2'W$ and west of the entrance to The Salt Chuck, times and heights are direct on Hobart Bay Inside (945-1872).

When data for the Hobart Bay Inside (945-1872) are not available to cover the times of hydrography in that area, apply a +12 minute time correction and a x1.03 range ratio to The Brothers (945-1786).

3. Inside The Salt Chuck, times and heights are direct on Hobart Bay, The Salt Chuck (945-1892). The tidal characteristics in the area called The Salt Chuck are extremely different from those at Hobart Bay Inside. If data for the Salt Chuck (945-1892) are not available to cover the times of hydrography in that area, then no tide data are available.

NOTE: Hourly heights for The Brothers, Hobart Bay Inside and Hobart Bay, The Salt Chuck are tabulated on Greenwich Mean Time.



ACTING CHIEF, DATUMS SECTION