

UNITED STATES DEPARTMENT OF COMMERCE National Oceanic and Atmospheric Administration

NATIONAL OCEAN SERVICE
Office of Ocean and Earth Sciences
Sliver Spring, Maryland 20910

ORIGINAL

TIDE NOTE FOR HYDROGRAPHIC SURVEY

DATE: August 18, 1993

MARINE CENTER: Pacific

OPR: 0136

HYDROGRAPHIC SHEET: H-10459

LOCALITY: Cleveland Passage, Stephens Passage, Alaska

TIME PERIOD: March 20, 1993 - March 31, 1993

TIDE STATION USED: 945-1785 The Brothers, Alaska

Lat. 57° 17.7'N Lon. 133° 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: 945-2210 Juneau, Alaska

Lat. 58° 17.9'N Lon. 134° 24.7'W

PLANE OF REFERENCE (MEAN LOWER LOW WATER): = 4.34 feet HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: = 15.3 feet

REMARKS: RECOMMENDED ZONING

- 1. In Stephens Passage (except Cleveland Passage) times and heights are direct on The Brothers, Ak. (945-1785). Data from the back-up gauge at The Brothers (945-1786) is used. When data for The Brothers are not available, apply a -6 minute time correction and a x0.90 range ratio to Juneau, Ak. (945-2210).
- 2. In Cleveland Passage times are direct and apply a x0.98 range ratio to The Brothers, Ak. (945-1785). Data from the back-up gauge at The Brothers (945-1786) is used. When data for The Brothers are not available, times are direct and apply a x0.91 range ratio to Juneau, Ak. (945-2210).

NOTE: Hourly heights for The Brothers are tabulated on Greenwich Mean Time, whereas, hourly heights for Juneau are tabulated in Alaska Standard Time.

ACTING CHIEF, DATUMS SECTION