



U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL OCEAN SERVICE

TIDE NOTE FOR HYDROGRAPHIC SURVEY

DATE: November 17, 1997

HYDROGRAPHIC BRANCH: Pacific

HYDROGRAPHIC PROJECT: OPR-0324-RA

HYDROGRAPHIC SHEET: H-10754

LOCALITY: Stephens Passage, AK. (Sheet C)

TIME PERIOD: June 6 - June 22, 1997

TIDE STATION USED: 945-2067 Holkham Bay, AK.
Lat. 57° 45.6'N Lon. 133° 36.2'W

PLANE OF REFERENCE (MEAN LOWER LOW WATER): 0.000 meters

HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 4.473 meters

TIDE STATION USED: 945-2123 Taku Harbor, AK.
Lat. 58° 04.1'N Lon. 134° 00.6'W

PLANE OF REFERENCE (MEAN LOWER LOW WATER): 0.000 meters

HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 4.531 meters

REMARKS: RECOMMENDED ZONING

Use zone(s) identified as: SEA10 & SEA12

Refer to attachments for zoning information.

Note 1: Provided time series data are tabulated in metric units (Meters), relative to MLLW and on Greenwich Mean Time.

Note 2:

Juneau, AK was used as control for datum determination for all subordinate tide stations for this survey. Relative sea level trends show that the areas of Juneau Alaska are undergoing continual uplift. The relative sea level trend observed at Juneau for the time period 1950 through 1993 is -0.0114 m/yr. with a standard error of 0.0005 m/yr. As a result of high rate of sea level change, the 1960 to 1978 Tidal Epoch value of Mean Lower Low Water (MLLW) used as chart datum and reference datum for NOS tidal predictions does not reflect present conditions. The data are under review to determine an updated value of MLLW. An interim value was computed for Juneau, based on the series of data from 1989 to 1991 and controlled by the 1960-1978 Epoch datums at Ketchikan which is more stable. The provided values adjust the chart datum to a more realistic level and in a direction that is more conservative for navigation purposes.

D. S. Hall

CHIEF, OPERATIONAL ANALYSIS BRANCH



Final tide zone node point locations for OPR O324-RA-97,
Sheet H-10754.

Format: Longitude in decimal degrees (negative value denotes
Longitude West),
Latitude in decimal degrees
Tide Station (in recommended order of use)
Average Time Correction (in minutes)
Range Correction

		Tide Station Order	AVG Time Correction	Range Correction
Zone SEA10				
-134.080082	57.896614	945-2067	0	0.99
-133.910199	57.726615	945-2123	0	1.00
-133.659922	57.78936			
-133.765896	57.91308			
-134.080082	57.896614			
Zone SEA12				
-133.629746	57.702608	945-2067	0	0.99
-133.61974	57.588744	945-2123	0	0.98
-133.820781	57.573326			
-133.907133	57.684706			
-133.910199	57.726615			
-133.659922	57.78936			
-133.639358	57.764576			
-133.618301	57.756651			
-133.577994	57.745236			
-133.584332	57.732611			
-133.567116	57.711884			
-133.629746	57.702608			