



UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL OCEAN SERVICE
Silver Spring, Maryland 20910

TIDE NOTE FOR HYDROGRAPHIC SURVEY

DATE: October 24, 2003

HYDROGRAPHIC BRANCH: Pacific
HYDROGRAPHIC PROJECT: OPR-P139-RA-2002
HYDROGRAPHIC SHEET: H11168 (Revised)

LOCALITY: Southern Entrance to Montague Strait, Alaska
TIME PERIOD: June 30-September 5, 2002

TIDE STATION USED: 945-4050 Cordova, AK
Lat. 60° 33.4'N Lon. 145° 45.3'W
PLANE OF REFERENCE (MEAN LOWER LOW WATER): 0.000 meters
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 3.559 meters

TIDE STATION USED: 945-4713 LaTouche, AK
Lat. 60° 03.3'N Lon. 147° 54.4'W
PLANE OF REFERENCE (MEAN LOWER LOW WATER): 0.000 meters
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 3.255 meters

TIDE STATION USED: 945-4814 Point Elrington, AK
Lat. 59° 56.4'N Lon. 148° 13.8'W
PLANE OF REFERENCE (MEAN LOWER LOW WATER): 0.000 meters
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 3.005 meters

REMARKS: RECOMMENDED ZONING

Use zone(s) identified as: CA133, CA134, PWS18, PWS19, PWS20 & PWS21.

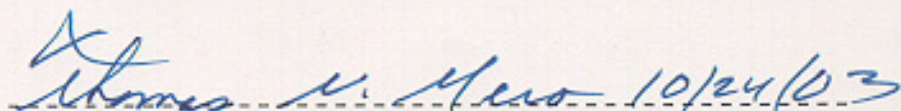
Refer to attachments for zoning information.



TIDE NOTE FOR HYDROGRAPHIC SURVEY Sheet H11168 (Revised) cont.

Note 1: Provided time series data are tabulated in metric units (meters), relative to MLLW and on Greenwich Mean Time on the new 1983-2001 National Tidal Datum Epoch (NTDE).

Note 2: Use tide data from the appropriate station with applicable zoning correctors for each zone according to the order in which they are listed in the Tidezone corrector files. For example, tide station one (TS1) would be the first choice for an applicable zone followed by TS2, etc. when data are not available.


CHIEF, REQUIREMENTS AND DEVELOPMENT DIVISION

Final tide zone node point locations for OPR-P139-RA-2002, H11168 (Revised)

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

	Tide Station Order	AVG Time Correction	Range Correction
Zone CA133	945-4814	0	0.98
	945-4713	0	0.90
	945-4050	-6	0.81
-147.929815 59.782623			
-148.655827 59.530663			
-148.603903 59.224053			
-148.703502 59.019171			
-148.321708 58.755213			
-148.087103 58.942309			
-147.853081 59.199026			
-147.734568 59.418061			
-147.816056 59.639479			
-147.929815 59.782623			
Zone CA134	945-4814	0	0.98
	945-4713	0	0.90
	945-4050	-6	0.81
-148.655827 59.530663			
-147.929815 59.782623			
-148.046435 59.859656			
-148.249602 59.93478			
-148.445818 59.954138			
-148.463554 60.035154			
-148.996033 60.050061			
-149.070356 59.957131			
-148.826452 59.763477			
-148.655827 59.530663			
Zone PWS18	945-4814	0	1.01
	945-4713	0	0.92
	945-4050	-6	0.84

-147.891299 59.856319
-147.959905 59.90201
-148.039826 59.940341
-148.101438 59.961313
-148.162288 59.945242
-148.071736 59.911068
-147.992521 59.877344
-147.897663 59.822389
-147.891299 59.856319

Zone PWS19

945-4814	0	0.98
945-4713	0	0.90
945-4050	-6	0.82

-148.249602 59.93478
-148.23717 59.938853
-148.202462 59.937466
-148.162288 59.945242
-148.071736 59.911068
-147.992521 59.877344
-147.897663 59.822389
-147.885989 59.791454
-147.929815 59.782623
-148.046435 59.859656
-148.249602 59.93478

Zone PWS20

945-4814	0	1.03
945-4713	0	0.94
945-4050	-6	0.86

-147.891299 59.856319
-147.85719 59.871259
-147.872402 59.912061
-147.964395 59.962459
-148.039826 59.940341
-147.959905 59.90201
-147.891299 59.856319

Zone PWS21

945-4814	0	1.05
945-4713	0	0.97
945-4050	-6	0.88

-147.964395 59.962459
-147.877111 60.007383
-147.675836 59.935476
-147.726997 59.885609
-147.77106 59.86761
-147.85719 59.871259

-147.872402 59.912061

-147.964395 59.962459