



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

TIDE NOTE FOR HYDROGRAPHIC SURVEY

DATE: February 17, 2000

HYDROGRAPHIC BRANCH: Pacific
HYDROGRAPHIC PROJECT: OPR-O351-RA-99
HYDROGRAPHIC SHEET: H-10902

LOCALITY: Yakutat Bay, Disenchantment Bay, AK
TIME PERIOD: June 15 - 20, 1999

TIDE STATION USED: 945-3220 Yakutat, AK
Lat. 59° 32.9'N Lon. 139° 44.0'W
PLANE OF REFERENCE (MEAN LOWER LOW WATER): 0.000 meters
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 2.804 meters

TIDE STATION USED: 945-3196 Disenchantment Bay, AK
Lat. 60° 02.9'N Lon. 139° 33.6'W
PLANE OF REFERENCE (MEAN LOWER LOW WATER): 0.000 meters
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 2.748 meters

TIDE STATION USED: 945-3178 Russell Fjord, AK
Lat. 59° 56.3'N Lon. 139° 24.0'W
PLANE OF REFERENCE (MEAN LOWER LOW WATER): 0.000 meters
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 1.885 meters

REMARKS: RECOMMENDED ZONING

Use zone(s) identified as: CA11, CA12, CA13, CA14, CA15, CA16,
CA17, CA18, CA19 & CA20.

Refer to attachments for zoning information.

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

Thomas V. Mero 2/17/00

CHIEF, REQUIREMENTS AND DEVELOPMENT DIVISION



Final tide zone node point locations for OPR-O351-RA-99,
Sheet H-10902.

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 CA11			
-140.150361 59.57692	945-3220	0	1.00
-140.3415 59.701869			
-139.872249 59.990643			
-139.604738 60.00269			
-139.572199 59.988335			
-139.548616 59.971305			
-139.536805 59.965426			
-139.536805 59.965426			
-139.535705 59.960788			
-139.524183 59.950686			
-139.422817 59.678711			
-139.674651 59.516326			
-140.150361 59.57692			
Zone CA12			
-139.536805 59.965426	945-3196	0	1.02
-139.548616 59.971305			
-139.572199 59.988335			
-139.604738 60.00269			
-139.576797 60.024654			
-139.55737 60.037051			
-139.54223 60.045831			
-139.52445 60.056688			
-139.511364 60.035807			
-139.500022 60.012878			
-139.505296 60.004529			
-139.515202 59.99351			
-139.523918 59.983574			
-139.533485 59.973973			
-139.536805 59.965426			

Zone CA13

-139.55737 60.037051	945-3196	0	1.00
-139.567016 60.044331			
-139.554579 60.051197			
-139.54223 60.045831			
-139.55737 60.037051			

Zone CA14

-139.524183 59.950686	945-3196	+12	1.00
-139.535705 59.960788			
-139.536805 59.965426			
-139.533485 59.973973			
-139.523918 59.983574			
-139.515202 59.99351			
-139.505296 60.004529			
-139.500022 60.012878			
-139.496104 60.008191			
-139.499366 60.001758			
-139.501867 59.98507			
-139.506234 59.970476			
-139.524183 59.950686			

Zone CA15

-139.496104 60.008191	945-3196	+24	0.96
-139.489255 60.00526			
-139.493531 59.98748			
-139.501867 59.98507			
-139.499366 60.001758			
-139.496104 60.008191			

Zone CA16

-139.48157 60.001982	945-3196	+42	0.89
-139.489255 60.00526			
-139.493531 59.98748			
-139.486226 59.988427			
-139.48157 60.001982			

Zone CA17

-139.48157 60.001982	945-3178	-48	1.19
-139.468759 60.002653			
-139.478676 59.987262			
-139.486226 59.988427			
-139.48157 60.001982			

Zone CA18

-139.468759 60.002653	945-3178	-30	1.09
-139.478676 59.987262			
-139.470016 59.981869			
-139.454921 60.002199			
-139.468759 60.002653			

Zone CA19

-139.470016 59.981869	945-3178	-12	1.03
-139.462291 59.979489			
-139.454485 59.983543			
-139.443024 59.986571			
-139.429717 59.988779			
-139.414916 59.988888			
-139.418399 59.997069			
-139.428846 60.001867			
-139.454921 60.002199			
-139.470016 59.981869			

Zone CA20

-139.462291 59.979489	945-3178	0	1.00
-139.444886 59.944772			
-139.392297 59.920813			
-139.350683 59.932418			
-139.374658 59.966847			
-139.414916 59.988888			
-139.429717 59.988779			
-139.443024 59.986571			
-139.454485 59.983543			
-139.462291 59.979489			