



UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL OCEAN SERVICE
Office of Ocean and Earth Sciences
Silver Spring, Maryland 20910

TIDE NOTE FOR HYDROGRAPHIC SURVEY

DATE: November 22, 1996

HYDROGRAPHIC BRANCH: Pacific

HYDROGRAPHIC PROJECT: OPR-P182-RA

HYDROGRAPHIC SHEET: H-10692

LOCALITY: Northern Portion of Kujulik Bay, Southwest Alaska
Peninsula, Alaska

TIME PERIOD: May 30 - June 29, 1996

TIDE STATION USED: 945-8779 Nakchamik Island, Ak. (Not used)
Lat. 56° 21.1'N Lon. 157° 48.7'W

PLANE OF REFERENCE (MEAN LOWER LOW WATER): 0.000 meters
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 2.491 meters

TIDE STATION USED: 945-8819 Kujulik Bay, Ak.
Lat. 56° 36.0'N Lon. 157° 59.0'W

PLANE OF REFERENCE (MEAN LOWER LOW WATER): 0.000 meters
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 2.640 meters

TIDE STATION USED: 945-8917 Chignik, Anchorage Bay, Ak. (Not used)
Lat. 56° 17.8'N Lon. 158° 24.0'W


PLANE OF REFERENCE (MEAN LOWER LOW WATER): 0.000 meters
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 2.472 meters

REMARKS: RECOMMENDED ZONING

Use zone(s) identified as: #SAP13

Refer to Attachment(s) for zoning information

Note: Times are tabulated in Greenwich Mean Time.



CHIEF, TIDAL ANALYSIS BRANCH



Final tide zone nodal point locations for OPR P182-RA-96.

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 SAP7				
-158.125289	56.468765	945-8779	Direct	1.00
-158.474563	56.325022	945-8917	Direct	1.00
-158.422005	56.199729	945-8819	Direct	0.94
-158.355785	56.200309	945-9450	Direct	1.30
-158.355785	56.163854			
-158.190127	56.200309			
-156.778131	56.154977			
-156.472875	56.166683			
-156.308008	56.274498			
-156.986771	56.288084			
-157.630799	56.364407			
-158.125289	56.468765			
Zone SAP8				
-158.474563	56.325022	945-8917	Direct	1.03
-158.125289	56.468765	945-8779	Direct	1.02
-158.435831	56.508574	945-8819	Direct	0.96
-158.534417	56.380701	945-9450	Direct	1.33
-158.474563	56.325022			
Zone SAP11				
-158.129385	56.525365	945-8779	Direct	1.04
-158.125289	56.468765	945-8917	Direct	1.05
-157.630799	56.364407	945-8819	Direct	0.97
-156.986771	56.288084	945-9450	Direct	1.35
-156.308008	56.274498			
-156.042372	56.448005			
-156.417583	56.376508			
-157.190657	56.403849			
-157.825679	56.513213			
-158.129385	56.525365			

Tide zone nodal point locations for OPR P182-RA-96 (page 1 of 2).

Final tide zone nodal point locations for OPR P182-RA-96 (page 2 of 2).

		Tide Station Order	AVG Time Correction	Range Correction
Zone SAP13				
-157.784139	56.754504	945-8819	Direct	1.00
-158.205035	56.604023	945-8779	Direct	1.08
-158.129385	56.525365	945-8917	Direct	1.08
-157.825679	56.513213	945-9450	Direct	1.39
-157.190657	56.403849			
-156.417583	56.376508			
-156.042372	56.448005			
-155.831324	56.577637			
-156.175441	56.534308			
-156.618755	56.487373			
-157.040443	56.491613			
-157.500459	56.63578			
-157.784139	56.754504			