



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

TIDE NOTE FOR HYDROGRAPHIC SURVEY

DATE: December 18, 2003

HYDROGRAPHIC BRANCH: Pacific  
HYDROGRAPHIC PROJECT: OPR-O112-RA-2002  
HYDROGRAPHIC SHEET: H11109-revised

LOCALITY: Peril Strait, Alaska  
TIME PERIOD: April 2 - May 25, 2002

TIDE STATION USED: 945-1600 Sitka, AK  
Lat. 57° 3.1'N Lon. 135° 20.5'W  
PLANE OF REFERENCE (MEAN LOWER LOW WATER): 0.000 meters  
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 2.791 meters

TIDE STATION USED: 945-1853 Sergius Narrows  
Lat. 57° 24.6'N Lon. 135° 37.6'W  
PLANE OF REFERENCE (MEAN LOWER LOW WATER): 0.000 meters  
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 3.709 meters

REMARKS: RECOMMENDED ZONING

Use zone(s) identified as: SEA201A, SEA202, SEA203, SEA204,  
SEA205, SEA206, SEA207, SEA208, SEA209, SEA210, SEA211, SEA212,  
SEA213, SEA214, SEA215, SEA216, SEA217, SEA218, SEA219, SEA220

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 on  
the new 1983-2001 National Tidal Datum Epoch (NTDE).

For

*SKM*

CHIEF, REQUIREMENTS AND DEVELOPMENT DIVISION



**Final tide zone node point locations for OPR-O112-RA-2002, H11109 - 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 SEA201A	945-1600	0	0.99
-135.751821 57.374727			
-135.75757 57.34186			
-135.660098 57.240082			
-135.63572 57.22865			
-135.587342 57.238446			
-135.54899 57.246623			
-135.507067 57.261928			
-135.535848 57.284876			
-135.629869 57.326705			
-135.687406 57.362636			
-135.713991 57.368695			
-135.715543 57.379779			
-135.733426 57.379779			
-135.751821 57.374727			
Zone SEA 202	945-1600	6	1.01
-135.715543 57.379779			
-135.695792 57.382579			
-135.688863 57.376974			
-135.679191 57.370765			
-135.674561 57.366193			
-135.687406 57.362636			
-135.713991 57.368695			
-135.715543 57.379779			
Zone SEA203	945-1600	6	1.02
-135.606239 57.405593			
-135.624952 57.388795			
-135.639399 57.388504			
-135.65282 57.388634			
-135.655256 57.388781			
-135.678009 57.390156			
-135.695792 57.382579			
-135.688863 57.376974			
-135.679191 57.370765			

-135.674561 57.366193			
-135.492421 57.347471			
-135.475501 57.36559			
-135.578942 57.401543			
-135.606239 57.405593			
Zone SEA204	945-1853	-12	0.76
-135.639399 57.388504			
-135.624952 57.388795			
-135.62846 57.390464			
-135.639204 57.390514			
-135.651607 57.390378			
-135.654451 57.39034			
-135.655256 57.388781			
-135.65282 57.388634			
-135.639399 57.388504			
Zone SEA205	945-1853	-12	0.78
-135.62846 57.390464			
-135.62955 57.392358			
-135.642876 57.392803			
-135.654294 57.392378			
-135.65645 57.391384			
-135.654451 57.39034			
-135.651607 57.390378			
-135.639204 57.390514			
-135.62846 57.390464			
Zone SEA206	945-1853	-6	0.8
-135.62955 57.392358			
-135.630087 57.394308			
-135.641132 57.394778			
-135.646852 57.394879			
-135.654934 57.394778			
-135.662209 57.394375			
-135.664155 57.394225			
-135.662082 57.392504			
-135.65645 57.391384			
-135.654294 57.392378			
-135.642876 57.392803			
-135.62955 57.392358			
Zone SEA207	945-1853	-6	0.82
-135.630087 57.394308			
-135.630147 57.396202			
-135.636841 57.39649			
-135.645297 57.396792			
-135.654407 57.397134			
-135.662038 57.39701			

-135.669794 57.396591  
-135.673909 57.396091  
-135.664155 57.394225  
-135.662209 57.394375  
-135.654934 57.394778  
-135.646852 57.394879  
-135.641132 57.394778  
-135.630087 57.394308

Zone SEA208

945-1853

-6

0.84

-135.630189 57.397262  
-135.636468 57.397967  
-135.645111 57.398806  
-135.661808 57.399393  
-135.675887 57.400115  
-135.677614 57.400103  
-135.675663 57.396695  
-135.673909 57.396091  
-135.669794 57.396591  
-135.662038 57.39701  
-135.654407 57.397134  
-135.645297 57.396792  
-135.636841 57.39649  
-135.630147 57.396202  
-135.630189 57.397262

Zone SEA209

945-1853

-6

0.86

-135.636468 57.397967  
-135.630189 57.397262  
-135.629893 57.398322  
-135.641256 57.39988  
-135.649898 57.400753  
-135.656799 57.401558  
-135.666126 57.402633  
-135.678312 57.404277  
-135.679737 57.404286  
-135.677614 57.400103  
-135.675887 57.400115  
-135.661808 57.399393  
-135.645111 57.398806  
-135.636468 57.397967

Zone SEA210

945-1853

-6

0.88

-135.649898 57.400753  
-135.641256 57.39988  
-135.629893 57.398322  
-135.629938 57.398983  
-135.638546 57.400832

-135.644986 57.401961  
-135.651577 57.402935  
-135.659722 57.404378  
-135.667618 57.405653  
-135.676944 57.406761  
-135.683006 57.4074  
-135.681631 57.405989  
-135.679737 57.404286  
-135.678312 57.404277  
-135.666126 57.402633  
-135.656799 57.401558  
-135.649898 57.400753

Zone SEA211

945-1853

0

0.89

-135.629535 57.399345  
-135.632857 57.400314  
-135.636655 57.401391  
-135.642775 57.402917  
-135.66255 57.409216  
-135.679629 57.410473  
-135.683006 57.4074  
-135.676944 57.406761  
-135.667618 57.405653  
-135.659722 57.404378  
-135.651577 57.402935  
-135.644986 57.401961  
-135.638546 57.400832  
-135.629938 57.398983  
-135.629535 57.399345

Zone SEA212

945-1853

0

0.91

-135.629535 57.399345  
-135.628386 57.399482  
-135.634448 57.402012  
-135.64194 57.404579  
-135.64889 57.406714  
-135.649922 57.407275  
-135.654737 57.409512  
-135.66255 57.409216  
-135.642775 57.402917  
-135.636655 57.401391  
-135.632857 57.400314  
-135.629535 57.399345

Zone SEA213

945-1853

0

0.93

-135.64889 57.406714  
-135.649922 57.407275  
-135.647521 57.408289

-135.644041 57.408683			
-135.642546 57.40793			
-135.637948 57.405572			
-135.632738 57.403153			
-135.626997 57.3997			
-135.628386 57.399482			
-135.634448 57.402012			
-135.64194 57.404579			
-135.64889 57.406714			
Zone SEA214	945-1853	0	0.95
-135.644041 57.408683			
-135.640749 57.409338			
-135.637495 57.40969			
-135.634386 57.407633			
-135.62935 57.403254			
-135.625594 57.40003			
-135.626997 57.3997			
-135.632738 57.403153			
-135.637948 57.405572			
-135.644041 57.408683			
Zone SEA215	945-1853	0	0.97
-135.637495 57.40969			
-135.631203 57.409456			
-135.63001 57.408314			
-135.625196 57.403797			
-135.619843 57.397088			
-135.624296 57.397267			
-135.625937 57.399176			
-135.625594 57.40003			
-135.62935 57.403254			
-135.634386 57.407633			
-135.637495 57.40969			
Zone SEA216	945-1853	0	0.99
-135.619843 57.397088			
-135.625196 57.403797			
-135.629983 57.408284			
-135.631203 57.409456			
-135.627391 57.410526			
-135.626567 57.409712			
-135.623791 57.407563			
-135.619671 57.403728			
-135.615577 57.398324			
-135.617244 57.397561			
-135.619843 57.397088			
Zone SEA217	945-1853	0	1.01

-135.619671 57.403728  
-135.623791 57.407563  
-135.626567 57.409712  
-135.627391 57.410526  
-135.622071 57.412921  
-135.613934 57.409408  
-135.608016 57.406134  
-135.607298 57.405485  
-135.610443 57.40244  
-135.615577 57.398324  
-135.619671 57.403728

Zone SEA218

945-1853

0

1.03

-135.622071 57.412921  
-135.625484 57.415363  
-135.623825 57.421345  
-135.618952 57.42304  
-135.607129 57.418909  
-135.601951 57.416674  
-135.593468 57.411852  
-135.608016 57.406134  
-135.613934 57.409408  
-135.622071 57.412921

Zone SEA219

945-1853

0

1.05

-135.618952 57.42304  
-135.609422 57.425903  
-135.600833 57.426647  
-135.588488 57.422341  
-135.579502 57.416323  
-135.58939 57.411756  
-135.593468 57.411852  
-135.601951 57.416674  
-135.607129 57.418909  
-135.618952 57.42304

Zone SEA220

945-1853

0

1.06

-135.602998 57.442829  
-135.593706 57.439181  
-135.586153 57.435865  
-135.56162 57.427734  
-135.560755 57.425174  
-135.570002 57.417213  
-135.579502 57.416323  
-135.588488 57.422341  
-135.600833 57.426647  
-135.630575 57.438512  
-135.64668 57.44826

-135.635043 57.452237

-135.602998 57.442829