



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

REVISED TIDE NOTE FOR HYDROGRAPHIC SURVEY

DATE: May 2, 2000

HYDROGRAPHIC BRANCH: Pacific  
HYDROGRAPHIC PROJECT: OPR-N368-PHP-99  
HYDROGRAPHIC SHEET: H-10939

LOCALITY: Rosario Strait- Deception Pass to  
Burrows Channel, WA

TIME PERIOD: October 6, 1999 - March 29, 2000

TIDE STATION USED: 944-9932 Armitage Island, WA  
Lat. 48° 32.1'N Lon. 122° 47.8'W

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

HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 2.194 meters

REMARKS: RECOMMENDED ZONING

Use zone(s) identified as: PS197, PS198, PS199, PS200, PS203,  
PS204, PS205, PS206, PS207, PS208, PS209,  
PS210, PS211, PS212, PS213 & PS258.

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.

*Thomas V. New* 5/2/00  
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CHIEF, REQUIREMENTS AND DEVELOPMENT DIVISION

Final tide zone node point locations for OPR-N368-PHP-99,  
Sheet H-10939 (revised).

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 PS197			
-122.760073 48.243261	944-9932	-30	0.93
-122.68631 48.33782			
-122.712316 48.389835			
-122.722076 48.408507			
-122.734497 48.426136			
-122.749341 48.442118			
-122.770917 48.432214			
-122.763088 48.413972			
-122.757852 48.385576			
-122.753679 48.335555			
-122.75432 48.302865			
-122.760073 48.243261			
Zone PS198			
-122.797653 48.385336	944-9932	-30	0.91
-122.779262 48.372319			
-122.753679 48.335555			
-122.757852 48.385576			
-122.763088 48.413972			
-122.770917 48.432214			
-122.796103 48.425314			
-122.793542 48.42142			
-122.793714 48.405171			
-122.797653 48.385336			
Zone PS199			
-122.796103 48.425314	944-9932	-36	0.89
-122.793542 48.42142			
-122.793714 48.405171			

-122.797653 48.385336  
-122.809807 48.394001  
-122.837844 48.408095  
-122.851662 48.416993  
-122.836178 48.418674  
-122.815892 48.422335  
-122.796103 48.425314

Zone PS200

-122.815892 48.422335  
-122.821565 48.424509  
-122.826472 48.426264  
-122.830677 48.427369  
-122.840476 48.42508  
-122.85337 48.423364  
-122.859492 48.423848  
-122.860175 48.422416  
-122.851662 48.416993  
-122.836178 48.418674  
-122.815892 48.422335

944-9932

-36

0.91

Zone PS203

-122.815892 48.422335  
-122.820508 48.461997  
-122.806212 48.458101  
-122.793322 48.452333  
-122.780666 48.44329  
-122.770917 48.432214  
-122.796103 48.425314  
-122.815892 48.422335

944-9932

-18

0.91

Zone PS204

-122.770917 48.432214  
-122.749341 48.442118  
-122.767073 48.455139  
-122.791447 48.469011  
-122.804509 48.475138  
-122.81851 48.481594  
-122.820795 48.473994  
-122.815856 48.4714  
-122.820508 48.461997  
-122.806212 48.458101  
-122.793322 48.452333

944-9932

-12

0.93

-122.780666 48.44329  
-122.770917 48.432214

Zone PS205

-122.804509 48.475138	944-9932	-6	0.96
-122.81851 48.481594			
-122.818445 48.4877			
-122.800414 48.495101			
-122.783348 48.486869			
-122.786451 48.483979			
-122.798976 48.476962			
-122.804509 48.475138			

Zone PS206

-122.798976 48.476962	944-9932	-12	0.96
-122.786451 48.483979			
-122.783348 48.486869			
-122.779017 48.484779			
-122.750907 48.469154			
-122.727849 48.453883			
-122.7414 48.445766			
-122.749341 48.442118			
-122.767073 48.455139			
-122.791447 48.469011			
-122.804509 48.475138			
-122.798976 48.476962			

Zone PS207

-122.68631 48.33782	944-9932	-30	0.96
-122.665326 48.366631			
-122.664063 48.401853			
-122.696786 48.428672			
-122.727849 48.453883			
-122.7414 48.445766			
-122.749341 48.442118			
-122.734497 48.426136			
-122.722076 48.408507			
-122.712316 48.389835			
-122.68631 48.33782			

Zone PS208

-122.727849 48.453883	944-9932	-30	0.98
-122.710043 48.466162			

-122.703636 48.477926  
-122.696182 48.474117  
-122.687509 48.464102  
-122.67748 48.442476  
-122.644801 48.41379  
-122.657105 48.409813  
-122.661012 48.401113  
-122.664063 48.401853  
-122.696786 48.428672  
-122.727849 48.453883

Zone PS209

-122.692112 48.482722	944-9932	-30	1.00
-122.684369 48.491401			
-122.661308 48.487569			
-122.687509 48.464102			
-122.696182 48.474117			
-122.692112 48.482722			

Zone PS210

-122.684369 48.491401	944-9932	-24	1.00
-122.692112 48.482722			
-122.696182 48.474117			
-122.703636 48.477926			
-122.710336 48.48135			
-122.70096 48.492981			
-122.688778 48.493665			
-122.684369 48.491401			

Zone PS211

-122.727849 48.453883	944-9932	-12	0.98
-122.750907 48.469154			
-122.779017 48.484779			
-122.783348 48.486869			
-122.774914 48.494722			
-122.764036 48.504366			
-122.755126 48.509331			
-122.734546 48.498362			
-122.710336 48.48135			
-122.703636 48.477926			
-122.710043 48.466162			
-122.727849 48.453883			

Zone PS212

-122.755126 48.509331	944-9932	-6	0.98
-122.764036 48.504366			
-122.774914 48.494722			
-122.783348 48.486869			
-122.800414 48.495101			
-122.799921 48.519445			
-122.788254 48.522764			
-122.763488 48.513785			
-122.755126 48.509331			

Zone PS213

-122.710336 48.48135	944-9932	-12	1.01
-122.734546 48.498362			
-122.755126 48.509331			
-122.75184 48.51116			
-122.738657 48.51598			
-122.725474 48.51861			
-122.71361 48.519486			
-122.699769 48.519048			
-122.688094 48.516558			
-122.679153 48.507487			
-122.67863 48.504124			
-122.70096 48.492981			
-122.710336 48.48135			

Zone PS258

-122.820795 48.473994	944-9932	+6	0.94
-122.832303 48.467904			
-122.857016 48.46779			
-122.859813 48.484885			
-122.829455 48.490688			
-122.818445 48.4877			
-122.81851 48.481594			
-122.820795 48.473994			