



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

TIDE NOTE FOR HYDROGRAPHIC SURVEY

DATE: July 11, 2002

HYDROGRAPHIC BRANCH: Pacific
HYDROGRAPHIC PROJECT: OPR-L418-NRB-2002
HYDROGRAPHIC SHEET: F00484

LOCALITY: Ports of Los Angeles & Long Beach, CA
TIME PERIOD: December 10, 2001 - April 23, 2002

TIDE STATION USED: 941-0660 Los Angeles, CA
Lat. $33^{\circ} 43.2'N$ Lon. $118^{\circ} 16.3'W$
PLANE OF REFERENCE (MEAN LOWER LOW WATER): 0.000 meters
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 4.770 meters

REMARKS: RECOMMENDED ZONING
Use zone(s) identified as: PAC9, PAC9A

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 7/15/02

CHIEF, REQUIREMENTS AND DEVELOPMENT DIVISION

Final tide zone node point locations for OPR-L418-NRB-2002, Sheet FOO484.

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 PAC9	941-0660	0	0.97
-117.716297 33.471876			
-118.135425 33.06997			
-118.45971 33.325204			
-118.459051 33.420469			
-118.583747 33.465047			
-119.124506 33.731415			
-118.865577 34.10373			
-118.807523 34.006245			
-118.403128 33.768284			
-118.286227 33.710519			
-118.267982 33.703109			
-118.206473 33.722893			
-118.124186 33.722927			
-118.099448 33.73543			
-117.769904 33.537592			
-117.716297 33.471876			
Zone PAC9A	941-0660	0	1.00
-118.206473 33.722893			
-118.267982 33.703109			
-118.286227 33.710519			
-118.298313 33.774032			
-118.164556 33.802737			
-118.092936 33.755965			
-118.099448 33.73543			
-118.124186 33.722927			
-118.206473 33.722893			