COMPENDIUM

THE LEMPERT-KEENE-SEAstrand
OIL SPILL PREVENTION AND RESPONSE ACT

AND

SELECTED CALIFORNIA STATUTES
RELATING TO
WATER POLLUTION

AS OF JANUARY 1, 2014

Published by:
California Department of Fish and Wildlife
Office of Spill Prevention and Response
Legal Branch

JANUARY 31, 2014

NOTE: Updates reflect most recent legislative revisions to each particular code section.
Provide a continuous, efficient, and effective system for the conservation, preservation, and restoration of California's natural resources by preventing, preparing for, and responding to spills of oil and other deleterious materials, and by restoring and enhancing affected resources.
Marine Vessel and Platform Spills

Volume spilled


Arizona Standard & Oregon Standard

American Trader

Apex Houston

Puerto Rican

Platform Irene

Kure

Command

Cape Mohican

Stuyvesant

Cosco Busan

Da Tang

500K gal

Platform A

500K gal

OSPR created

1991

2000

2010

1980

1970

500K gal

500K gal
NON TANKERS 25 NM

TANKERS 50 NM
<table>
<thead>
<tr>
<th>Depth</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Min Before Flood</th>
<th>Spd</th>
<th>Dir</th>
<th>Flood</th>
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<th>Dir</th>
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**No. 9**
1 MARCH 2014

UNITED STATES OF AMERICA

NOTICE TO MARINERS

Published Weekly by the

U.S. Department of Homeland Security
United States Coast Guard

LOCAL NOTICE TO MARINERS

District: 11
Week: 11/14

CONSIDER COMMENDER
DISTRICT: 11
UNITED STATES COAST GUARD
UNITED STATES OF AMERICA


BROADCAST NOTICES TO MARINERS—Information concerning the coastal and maritime area is broadcast periodically through NAVTEX, VHF DSC, HF, INMARSAT-C, and 12277 kHz. New dates and times are incorporated in the Notices to Mariners series.

SECTION I - SPECIAL NOTICES

SECTION II - WINDS, WAVES, AND CURRENTS

SECTION III - ICE CONDITIONS

SECTION IV - SHIPS' PIERS AND DOCKS

SECTION V - früHER ABER BY AN BAHNREITUNG

FOR INFORMATION REGARDING THE COAST GUARD'S BROADCASTS OF NOTICES TO MARINERS, CONTACT THE COAST GUARD INFORMATION CENTER (CIC) AT 703-323-9000.
“Reliance on satellite navigation and timing systems has become a single point of failure for much of America and is our largest, unaddressed critical infrastructure problem.”
ECDIS Training
E-Navigation in California State Waters

**Summary**

- Urgent information timely disseminated to users
- Virtual ATON, mark navigation hazards immediately & quicker than a physical buoy

**Cloud**

- Optimize vessel traffic management, reduce congestion via timely updates from offshore ships
- Vessel automated reporting to regulatory agencies
- Vessel risk analyses could be performed and any special instructions sent back to the ship.
Thank You!
Tomorrow’s Cargo Ships Will Use Augmented Reality to Sail the Seas

BY DAMON LAVRINC  03.27.14 | 6:30 AM  | PERMALINK

The tug boat bridge of the future will be fully customizable and feature augmented reality. Photo: VTT