



U.S. Department of Homeland Security

United States Coast Guard

LOCAL NOTICE TO MARINERS
MONTHLY EDITION

District: 11

Week: 27/04

BROADCAST NOTICE TO MARINERS - Information concerning aids to navigation and waterway management promulgated by BNM 0480-04 to BNM 0499-04 has been incorporated in this notice if still significant.

SECTION I - SPECIAL NOTICES

This section contains information of special concern to the mariner.

SUBMITTING INFORMATION FOR PUBLICATION IN THE LOCAL NOTICE TO MARINERS:

A complete set of guidelines with examples and contact information can be found on our website at http://www.uscg.mil/d11/oan or call BM3 Patrick Olmstead at (510) 437-2986. LNM 27/04 dated 06 July 2004.

LORAN-C STATUS AS OF 29 JUN 2004:

Loran-C stations for 8290 and 9940 Chains are on air. For information regarding the Loran-C System, contact the Coordinator of Chain Operations West Coast at (707) 765-7518. Current Loran-C Status is available 24 hours per day through the Internet at http://www.navcen.uscg.mil. LNM 27/04 dated 06 July 2004.

dGPS STATUS AS OF 29 JUN 2004:

For information regarding the dGPS system, or for status updates contact the Petaluma Control Center at (707) 765-7612/7613. LNM 27/04 dated 06 July 2004.

SECTION II - DISCREPANCIES

This section lists all reported and corrected discrepancies related to Aids to Navigation in this edition. A discrepancy is a change in the status of an aid to navigation that differs from what is published or charted.

DISCREPANCIES: (bold type and \* denote new information since last LNM)

Table with columns: LLNR, NAME OF AID, STATUS, CHARTS AFFECTED, BNM REF., LNM REF. Rows include Point Buchon LWB 16 PB, Mission Bay CH LT 4, Long Point LT, Shoreline Marina Entrance LT, Roe Island CH Range Front LT, San Joaquin River LT 26, San Joaquin River LT 35.

DISCREPANCIES CORRECTED:

Table with columns: LLNR, NAME OF AID, STATUS, CHARTS AFFECTED, BNM REF., LNM REF. Rows include Point Vicente LT, Point Bonita LT, Alcatraz South Fog Signal, Stockton CH Range H Rear LT.

06 July 2004

THE LOCAL NOTICE TO MARINERS IS AVAILABLE ON THE WORLD WIDE WEB AT WWW.NAVCEN.USCG.GOV/LNM/D11/

LNM 27/04

### SECTION III - TEMPORARY CHANGES and TEMPORARY CHANGES CORRECTED

This section contains temporary changes and corrections to Aids to Navigation for this edition. When charted aids are temporarily relocated for dredging, testing, evaluation, or marking an obstruction, a temporary correction shall be listed in Section IV giving the new position.

**TEMPORARY CHANGES:** (bold type and \* denote new information since last LNM)

330.00	Pillar PT HBR APP LHB PP	FOG SIGNAL TEMP DISCONTINUED	18680	0071-04	08-04
1500.00	San Diego Bay Entrance R Front LT	TEMP DISCONTINUED	18765	0424-04	24-04
3855.00	Morro Bay CH LB 4	TEMP DISCONTINUED	18721	0481-04	26-04
3856.00	Morro Bay CH LB 4A	TEMP DISCONTINUED	18721	0482-04	26-04
3865.00	Morro Bay CH LB 6	TEMP DISCONTINUED	18721	0483-04	26-04
4960.00	San Bruno Shoal CH LT 4	TRLB	18651	1070-03	41-03
6070.00	Petaluma River Entrance CH LT 20	LEANING/TRLB	18654	0362-04	21-04
6557.00	Suisun Bay CH LT 24A	TRLB	18654	0047-04	03-04
6600.00	New York Slough LT 2	TRLB	18654	1167-03	45-03
6625.00	New York Slough LT 5	TRLB	18654	0839-03	32-03
7945.00	Bodega HBR CH DBN 34	TRUB	18643	0829-03	32-03
8115.00	Noyo River LT 9	REDUCED INTENSITY	18626	0400-04	23-04

**TEMPORARY CHANGES CORRECTED:**

None.

### SECTION IV - CHART CORRECTIONS

**EXPLANATION OF FORMAT** - Corrective action affecting charts is contained in this section. Chart corrections are listed numerically by chart number, beginning with the lowest and progressing through all charts affected. Each correction pertains to a particular chart and to that chart only. It is up to the mariner to decide which charts are to be corrected. The following example explains the individual elements of a typical correction:

Chart number	Chart edition	Edition date	Reference datum	Last Local Notice to Mariners	Source of correction	Current Notice to Mariners
18649 (Temp)	53rd ed CA - SAN FRANCISCO BAY - General Location Add	05/6/1989	NAD 83	Last LNM: 35/89	(CGD11)	37/89
	Corrective action			Object of corrective action	at	Position
				Embonee Channel Light 1 FI R 2.5s 7M		37°48'00.000"N 122°15'00.000"W

(Temp) located below the chart number indicates that the corrective action is temporary. Courses and bearings are given in degrees clockwise from 000° True. Bearings of light sectors are toward the light from seaward. The nominal range of a light is expressed in nautical miles, (e.g. 7M).

18643	17th ed. CA - BODEGA AND TOMALES BAYS Relocate	04/01/2003	NAD 83	Last LNM: 18/04	(CGD11)	27/04
				Bodega HBR CH Daybeacon 50 from	to	38°19'29.471"N 123°02'31.865"W
18725	27 <sup>th</sup> ed. PORT HUENEME TO SANTA BARBARA Relocate	06/01/2003	NAD 83	Last LNM: 20/04	(CGD11)	27/04
				Buoy FI (5) Y 20s Priv	from	37°20'00.001"N 119°48'13.000"W
18649	63 <sup>rd</sup> ed. ENTRANCE TO SAN FRANCISCO BAY Add	09/01/2003	NAD 83	Last LNM: 26/04	(CGD11)	27/04
				Buoy FI W 4s Priv	at	37°48'53.000"N 122°21'47.000"W
				Buoy FI W 4s Priv	at	37°48'53.000"N 122°21'46.000"W
				Buoy FI W 4s Priv	at	37°48'54.000"N 122°21'38.000"W
				Buoy FI W 4s Priv	at	37°48'47.000"N 122°21'34.000"W
18751	42 <sup>nd</sup> ed. LOS ANGELES AND LONG BEACH HARBOR Add	01/12/2001	NAD 83	Last LNM: 24/04	(CGD11)	27/04
				Light FI W 4s "A" Priv	at	33°42'45.420"N 118°16'25.390"W
				Light FI W 4s "B" Priv	at	33°42'40.100"N 118°16'30.160"W
				Light FI W 4s "C" Priv	at	33°42'48.710"N 118°16'36.480"W

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## SECTION V – ADVANCE NOTICES AND PROPOSED CHANGES

This section contains advance notice of approved projects, changes to aids to navigation, or upcoming temporary changes such as dredging, etc. Mariners are advised to use caution when transiting these areas.

Periodically, the Coast Guard evaluates its system of aids to navigation to determine whether the conditions for which the aids to navigation were established have changed. When changes occur, the feasibility of improving, relocating, replacing, or discontinuing aids are considered. This section contains notice(s) of non-approved, proposed projects open for comment. SPECIAL NOTE: Mariners are requested to respond to the District Office unless otherwise noted.

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**NORTHERN CALIFORNIA – READING ROCKS LIGHT** – The Coast Guard is proposing to permanently discontinue Reading Rocks Light (LLNR 540) Please submit comments **by 03 Aug 2004** to Lieutenant Junior Grade Stephen Walters at (510) 437-2969 or [swalters@d11.uscg.mil](mailto:swalters@d11.uscg.mil)  
Chart: 18600 LNM 27/04 dated 06 Jul 2004.

**NORTHERN CALIFORNIA – OAKLAND INNER HARBOR** – The Coast Guard is proposing to permanently reduce the nominal range of Oakland Inner Harbor Light 7 (LLNR 4673) from 7NM to 4NM and to discontinue the fog signal. Please submit comments **by 08 Jul 2004** to Lieutenant Junior Grade Amy Marrs at (510) 437-2978 or [amarrs@d11.uscg.mil](mailto:amarrs@d11.uscg.mil).  
Chart: 18649 LNM 25/04 dated 22 Jun 2004.

**NORTHERN CALIFORNIA – NOYO RIVER** – The Coast Guard is proposing to permanently reduce the nominal range of Noyo River Light 9 (LLNR 8115) from its current 5NM to 3NM. The light characteristic will remain FI G 2.5s. Please submit comments **by 08 Jul 2004** to Lieutenant Junior Grade Amy Marrs at (510) 437-2978 or [amarrs@d11.uscg.mil](mailto:amarrs@d11.uscg.mil).  
Chart: 18626 LNM 25/04 dated 22 Jun 2004.

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## SECTION VI – GENERAL

This section contains information of general concern to the Mariners. Mariners are advised to use caution while transiting these areas.

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All times are given in local time, represented by the time followed by (T).

**SOUTHERN CALIFORNIA – SAN DIEGO BAY – POINT LOMA NAVY ASSET PROTECTION BARRIERS** – The U.S. Navy has constructed a protection barrier for its assets at Point Loma. Anchor locations for the barriers are in the following positions: 32°41.45'N 117°14.36'W (shore), 32°41.46'N 117°14.32'W, 32°41.49'N 117°14.23'W, 32°41.49'N 117°14.11'W 32°41.43'N 117°14.01'W, 32°41.32'N 117°14.0'W, 32°41.24'N 117°13.98'W, 32°41.24'N 117°14.03'W, 32°41.20'N 117°13.99'W, 32°41.19'N 117°13.99'W (shore). Each mooring position (10 of them) will show a characteristic of Quick Y. These barriers will be in place **until further notice**. For further comments or details, contact Lieutenant Henry P. Pierce, USN at (619) 556-3143.  
Chart: 18773 LNM 12/03 dated 25 Mar 2003.

**SOUTHERN CALIFORNIA – SAN DIEGO BAY – CONSTRUCTION OPERATIONS** - Marathon Construction Corporation will be repairing the Chollas Creek fender system and Quaywall **through 26 May 2006**. The construction will be in the vicinity of the Naval Amphibious Base, Coronado and Naval Station San Diego. Mariners are advised to use caution when transiting the area. For further comments or details, contact Matt Richer at (619) 843-8976.  
Chart: 18773 LNM 43/03 dated 28 Oct 2003.

**SOUTHERN CALIFORNIA – SAN DIEGO BAY – NORTH ISLAND NAVY ASSET PROTECTION BARRIERS** – The U.S. Navy has constructed a protection barrier for its assets at North Island. Anchor locations for the barriers are in the following positions: 32°42.83'N 117°11.57'W, 32°42.87'N 117°11.55'W, 32°42.92'N 117°11.50'W, 32°42.87'N 117°11.37'W, 32°42.78'N 117°11.27'W, 32°42.73'N 117°11.13'W, 32°42.65'N 117°11.08'W, 32°42.47'N 117°10.93'W, 32°42.33'N 117°10.82'W, 32°42.22'N 117°10.83'W. Each mooring position (10 of them) will show a characteristic of Q Y. These barriers will be in place **until further notice**. For further comments or details, contact Lieutenant Henry P. Pierce, USN at (619) 556-3143.  
Chart: 18773 LNM 48/03 dated 02 Dec 2003.

**SOUTHERN CALIFORNIA – SAN DIEGO BAY – SURVEY OPERATIONS** – The U.S. Navy is conducting hydrographic surveys of the San Diego approaches from sea into the channel and the inner harbor with three ships **until further notice**. Mariners are advised to use caution when transiting the area. For further comments or details, contact Lieutenant Junior Grade William Scarborough at (361) 776-4797.  
Chart: 18773 LNM 48/03 dated 02 Dec 2003.

**SOUTHERN CALIFORNIA – SAN DIEGO BAY – NAVAL STATION ASSET PROTECTION BARRIERS** – The U.S. Navy has constructed a protection barrier for its assets at the Naval Station. Anchor locations for the barriers are in the following positions: 32°41.03'N 117°08.13'W, 32°42.92'N 117°08.00'W, 32°40.82'N 117°07.90'W, 32°40.73'N 117°07.82'W, 32°40.63'N 117°07.72'W, 32°40.52'N 117°07.65'W, 32°40.42'N 117°07.50'W, 32°40.30'N 117°07.50'W, 32°40.13'N 117°07.48'W, 32°39.97'N 117°07.45'W, 32°39.83'N 117°07.42'W, 32°39.72'N 117°07.40'W. Each mooring position (12 of them) will show a characteristic of Quick Y. These barriers will be in place **until further notice**. For further comments or details, contact Lieutenant Henry P. Pierce, USN at (619) 556-3143.  
Chart: 18773 LNM 48/03 dated 02 Dec 2003.

**SOUTHERN CALIFORNIA – SAN DIEGO – DIVING OPERATIONS** – The United States Navy will be conducting diving operations **through 31 Dec 2004** in the vicinity of North Island. Operations will involve inert mines and other submerged objects in an area bound by the following coordinates: 32°40.22'N 117°12.68'W 32°40.24'N 117°11.81'W, 32°41.21'N 117°11.81'W, 32°41.20'N 117°12.68'W. Mariners are advised to use caution when transiting the area.  
Chart: 18733 LNM 05/04 dated 03 Feb 2004.

## General Info (Cont.)

**SOUTHERN CALIFORNIA - CAMP PENDLETON - EXPEDITIONARY FIGHTING VEHICLE TESTING** - The U.S. Marine Corps is testing the Expeditionary Fighting Vehicle (EFV) **from 0800T to 1830T Monday through Friday through June 2008** off of Camp Pendleton, from the Oceanside Harbor entrance to San Mateo Point and to 25 NM off shore. There may be as many as (4) EFVs testing at the same time and as many as (4) 10 meter RHIBs and (1) MK-6 workboat supporting testing and in the vicinity of the EFVs. There will be night testing but a special LNM will be published prior to night testing. The Water Safety Officer will be monitoring VHF-FM Ch. 16 and 81-A. For further comments or details, contact OSC Doug Samp at (619) 683-6309. Chart 18740 LNM 19/04 dated 11 May 2004.

**SOUTHERN CALIFORNIA - LOS ANGELES - CONSTRUCTION OPERATIONS** - The Los Angeles Deepening Project is currently being conducted in Southwest Slip near Los Angeles Pier 100. A submerged rock dike has been constructed from Pier 100 northwesterly into Southwest Slip and is being filled to 10 ft above MLLW. All mariners are advised to remain clear of this area. For further comments or details, contact BMC Robert Mikulskis at (310) 732-2020. Chart: 18751 LNM 13/03 dated 01 Apr 2003.

**SOUTHERN CALIFORNIA - LOS ANGELES - CONSTRUCTION OPERATIONS** - Manson Construction will be conducting construction operations in the vicinity of the south side of the Pier 400 in the Port of Los Angeles **through Mar 2005**. Seven lighted danger buoys are marking the area. The perimeter of this area is at -15 ft and is marked by seven lighted danger buoys. Mariners requiring 8 ft or greater navigational draft must remain clear of this area. Several vessels will be on scene monitoring VHF-FM Ch 8, 13, 66, and 79-A. For further comments or details, contact Paul Watkins at (310) 521-1300. Chart: 18751 LNM 48/03 dated 02 Dec 2003.

**SOUTHERN CALIFORNIA - LOS ANGELES - CONSTRUCTION OPERATIONS** - The L.A. Deepening Constructors will be conducting construction operations including clam dredging, rock replacement, and cutter suction dredge operations at Pier 300 **24 hours per day through Mar 2005**. A rock dike perimeter to +9 ft MLLW will be constructed, followed by hydraulic fill operation to +15 ft MLLW. The D/B *LONG BEACH* and the D/B *LOS ANGELES*, along with the assist vessels will be on scene and monitoring VHF-FM Ch. 13, 16, 66, and 79A. A lighted warning buoy has been placed in position: 33°44.30'N 118°14.92'W. For further comments or details, contact John Molvar or Paul Watkins at (310) 521-1300. Chart: 18751 LNM 48/03 dated 02 Dec 2003.

**SOUTHERN CALIFORNIA - LONG BEACH - DEMOLITION WORK** - Manson Construction and Connolly-Pacific Co. are conducting demolition work at the Pier T Site in the Port of Long Beach **through Oct 2004**. The demolition work (removing Piers 1, 2, and 3) will be conducted from land and water. The waterside work will be performed using floating crane barges, workboats, and flat barges. A debris boom will be installed from the southwest end of Pier T on the west side of Pier 3. The *DERRICK BARGES LONG BEACH, VALKYRIE*, and *SOUTHMAN* will be monitoring VHF-FM Ch. 13, 66, and 79A. All anchors will be marked with lighted crown buoys. All mariners are advised to use caution when transiting the area. For further comments or details, contact Mike Ellis at (562) 437-2831. Chart: 18751 LNM 12/03 dated 25 Mar 2003.

**SOUTHERN CALIFORNIA - LONG BEACH - FIREWATER SYSTEM** - CMAC Construction Company will be constructing a new firewater system at Pier B, berths 84 and 86 at the Port of Long Beach in Long Beach **through Dec 2004**. The construction will consist of an inlet structure piping, hydrants, 23 by 26 foot concrete table top, fuel tank, diesel-driven pump, shelter and four new concrete piles driven to -75 MLLW. For further comments or details, contact Tyrone McLaine at (310) 522-6280. Chart: 18751 LNM 10/04 dated 09 Mar 2004.

**SOUTHERN CALIFORNIA - SAN PEDRO CHANNEL - GEOPHYSICAL SURVEY** - Fugro West, Inc will be conducting a geophysical survey offshore California in the San Pedro Channel **from 0600T to 1800T through 30 Jul 2004**. The M/V *PATRIOT* will be on scene and monitoring VHF-FM Ch. 16. The length of the cable tow will be less than 200 ft. Mariners are advised to use caution when transiting the area. For further comments or details, contact Robin Villa at (805) 650-7000. Chart: 18746 LNM 23/04 dated 08 Jun 2004.

**SOUTHERN CALIFORNIA - ANAHEIM BAY - PROTECTION BARRIER** - The Navy has constructed a protection barrier for its assets at Naval Weapons Station Seal Beach. Anchor buoys location for the barriers are attached with wire rope and floating orange and white ball buoy markers and in the following positions: 33°44.07'N 118°05.56'W, 33°44.12'N 118°05.70'W, 33°44.13'N 118°05.49'W, 33°44.01'N 118°05.43'W, and 33°43.99'N 118°05.37'W. All boating traffic is still require to stay within the small craft channel at all times. **These barriers will be in place until further notice.** For Further comments or details, contact Albert Rosales at (532) 626-7206. Chart: 18749 LNM 05/04 dated 03 Feb 2004.

**SOUTHERN CALIFORNIA - SANTA BARBARA - DIVING OPERATIONS** - The M/V *AMERICAN PATRIOT*, M/V *SANTA CRUZ*, and M/V *DANNY C* will be recovering a cable and repairing it on scene **on 28 Jun 2004 through 12 Jul 2004** in the vicinity of position: 34°19.53N 119°35.51W. Pre-set moorings, and unlighted buoys will mark the area. All mariners are advised to use caution when transiting the area. For further comments or details, contact David Hankins at (805) 640-0799. Chart: 18725 LNM 26/04 dated 29 Jun 2004.

**SOUTHERN CALIFORNIA - SAN LUIS BAY - RESEARCH - UNMANNED UNDERWATER VEHICLE** - An underwater vehicle will be deployed once or twice per week **through Nov 2004** in San Luis Bay. The vehicle is conducting marine research and should rarely be seen on the surface. It is yellow, torpedo shaped, and 6 feet long. For further comments or details, contact Shelley Blackwell (805) 756-7060. Chart: 18704 LNM 24/04 dated 15 Jun 2004.

**NORTHERN CALIFORNIA - SAN FRANCISCO BAY - MARINE EVENTS** - Please refer to the Yacht Race Association website: [www.YRA.org](http://www.YRA.org) for yacht race schedules in the SF Bay. For further comments or details, contact MST1 Brian Clark at (415) 399-3440. Chart: None LNM 20/04 dated 18 May 2004.

**NORTHERN CALIFORNIA - SAN FRANCISCO BAY - ENVIRONMENTALLY SENSITIVE AREA BUOY PLACEMENT** - An Environmentally Sensitive Area (ESA) is being marked along the Shores of YBI, from the Coast Guard Base around the Eastern Tip of YBI and into westernmost reaches of Clipper Cove. Regulatory buoys that say "Closed Area" with FI W 4s lights mark the ESA. Each Buoy is in 6 ft of water and marks the eel grass beds close to shore. Between the larger buoys will also be many "Keep Out" regulatory buoys. Mariners are advised to remain clear of this area. The buoys **will be in place for the entire duration of the bridge project.** For further comments or details, contact Rachel Woddfield at (858) 560-5465. Chart: 18650 LNM 13/03 dated 01 Apr 2003.

**NORTHERN CALIFORNIA - SAN FRANCISCO BAY - TEMPORARY SECURITY ZONE** - A 100-yard security zone is in place around the former *USS TRIPOLI* while the vessel moored at berth four, Military Ocean Terminal, Concord (MOTCO), or under tow. Operations are expected to last **through 30 July 2004**, and include the *USS TRIPOLI* being towed from MOTCO to sea with a return voyage to MOTCO. No person or vessel shall enter or remain in the 100-yard security zone without permission from the Captain of the Port or his designated representative. This security zone will commence at **1100T on 24 Jun 2004, and continue through 1159T on 31 July 2004**. Termination of the security zone by the Captain of the Port will be announced via Broadcast Notice to Mariners. For further comments or details, contact the MSO Command Duty Officer at (415) 399-3547. Chart: 18649 LNM 26/04 dated 29 Jun 2004.

## General Info (Cont.)

**NORTHERN CALIFORNIA – SAN FRANCISCO BAY – SECURITY ZONE** – A 100-yard security zone is in place surrounding all cruise ships, tank vessels, or any other vessel that the U.S. Coast Guard deems to be a high interest vessel within San Francisco Bay, Monterey Bay and Humboldt Bay. A security zone is in place around all U.S. Naval Vessels greater than 100-feet in length within the navigable waters of the U.S. This permanent protection zone extends 100-yards around all naval vessels and it includes a 500-yard slow zone in which all mariners must operate at the minimum speed necessary. At the Golden Gate and Oakland/San Francisco Bay Bridges, a 25-yard security zone is in place around all bridge abutments and piers. For further comments or details, contact the MSO Command Duty Officer at (415) 399-3547.  
Chart: 18649 LNM 15/04 dated 13 Apr 2004.

**NORTHERN CALIFORNIA – SAN FRANCISCO BAY – MARINE EVENT** – The South End Rowing Club will sponsor a swimming event involving 12 participants swimming from Fort Point to Lime Rock **from 0745T to 0845T on 10 Jul 2004**. All mariners are advised to exercise extreme caution when transiting this area. The event sponsor will be monitoring CH 14 during the event. For further details or comments contact MST1 B. Clark at 415 399-3440  
Chart: 18650 LNM 27/04 dated 06 Jul 2004

**NORTHERN CALIFORNIA - SAN FRANCISCO BAY** – Marine event proposal - The Benicia Waterfront Festival will host a jet-ski event that will take place **from 1000T to 1600T from the 30th of July through the 1st of August 2004**. The USCG Group San Francisco Marine Events Coordinator is seeking public comment on any environmental concerns for the proposed marine event. This event will consist of approximately 100 jet-skis racing in the Cove of the First Street Waterfront in Benicia. For further comments or details contact MST1 Brian Clark at 415-399-3440.  
Chart: 18656 LNM 26/04 dated 29 Jun 2004

**NORTHERN CALIFORNIA – MONTEREY BAY – MARINE EVENT** – Akua Hana Outrigger Canoe Club will sponsor a canoeing event involving 400 participants canoeing in Del Monte Beach **from 0800T to 1800T on 10 July 2004**. All mariners are advised to exercise extreme caution when transiting this area. The Event Sponsor will be monitoring CH 14 during the event. For further details or comments contact MST1 B. Clark at (415) 399-3440.  
Chart: 18685 LNM 27/04 dated 06 Jul 2004

**NORTHERN CALIFORNIA – SAN FRANCISCO BAY – MARINE EVENT** – The South End Rowing Club will sponsor a swimming event involving 80 participants swimming from the Fort Point to Lime Rock **from 0900T to 1000T on 11 July 2004**. All mariners are advised to exercise extreme caution when transiting this area. The Event Sponsor will be monitoring CH 14 during the event. For further details or comments contact MST1 B. Clark at (415) 399-3440.  
Chart: 18650 LNM 27/04 dated 06 Jul 2004

**NORTHERN CALIFORNIA – SAN FRANCISCO BAY – MARINE EVENT** – Pathstar will sponsor a swimming event involving 8 participants swimming from Alcatraz to Aquatic Park **from 0900T to 1200T on 12 July 2004**. All mariners are advised to exercise extreme caution when transiting this area. The Event Sponsor will be monitoring CH 14 during the event. For further details or comments contact MST1 B. Clark at (415) 399-3440.  
Chart: 18650 LNM 27/04 dated 06 Jul 2004

**NORTHERN CALIFORNIA – BALLENA BAY - DREDGING OPERATIONS** - Western Dock Enterprises will be conducting dredging operations at Ballena Bay **through 31 Dec 2004**. A DERRICK BARGE will be on scene and monitoring VHF-FM Ch. 13, 14, and 79. Three mooring buoys have been placed adjacent to Ballena Bay in positions: 37°45.5'N 122°17.7'W; 37°45.5'N 122°17.6'W; and 37°45.5'N 122°17.5'W. For further comments or details, contact Kevin Blair at (707) 765-4646.  
Chart: 18650 LNM 20/04 dated 18 May 2004.

**NORTHERN CALIFORNIA – OAKLAND MIDDLE HARBOR – CONSTRUCTION OPERATIONS** – Dutra Dredging Company will be conducting construction operations **from 0700T to 1700T Monday through Friday through Feb 2005** in the Port of Oakland, Middle Harbor. The containment structure will span approximately 3,700 ft beginning at the southeast corner of Berth 38 to lands end west of Berth 55, closing off the Middle Harbor. The CRANE BARGE #8 will be working this site. The TUG SARAH REED will be tending the dredge and moving barges to and from the rock quarry at San Pedro Point in San Rafael. All equipment will monitor VHF-FM Ch. 13, 14, and 80. Mariners are advised to use caution when transiting the construction site. For further comments or details, contact Charles Gehlert at (510) 522-3758 or the tug "Sarah Reed" at (707) 974-9935.  
Chart: 18650 LNM 25/04 dated 22 Jun 2004.

**NORTHERN CALIFORNIA – OAKLAND INNER HARBOR – ABANDONED TUG** – An abandoned tug is located on the Alameda side of the Park Street Bridge Reach Section of the Oakland Inner Harbor approximately 200 yards west of the bridge. The tug protrudes into the channel and all mariners are advised to use caution when transiting the area. For further comments or details, contact Lieutenant Doug Ebbers at (510) 437-2770.  
Chart: 18650 LNM 21/04 dated 25 May 2004.

**CALIFORNIA - OAKLAND ESTUARY - NOTICE OF A SECURITY ZONE** - The Coast Guard has established a permanent security zone in the navigable waters of the Oakland Estuary surrounding the Coast Guard Island Alameda Pier. The security zone will extend approximately 150 ft from the Coast Guard Island pier up to and along the Brooklyn Basin South Navigation Channel. The security zone becomes effective **on 07 Jul 2004**. All persons and vessels are prohibited from entering in, transiting through or remaining in this security zone without permission of the Captain of Port or his designated representative. Persons desiring to transit the area may contact the Captain of the Port at telephone number (415) 399-3547. For further comments, contact Ensign John Bannon at (510) 437-3082.  
Chart: 18650 LNM 27/04 dated 06 Jul 2004.

**NORTHERN CALIFORNIA – SAUSALITO – DREDGING OPERATIONS** – Mas Aqua will be conducting dredging operations at Clipper Yacht Harbor, Sausalito **through 30 November 2004**. The TUG MIKE BRUSCO will be on scene with MUD SCOWS 100 and 101 and monitoring VHF-FM Ch. 13 and 14. Mariners are advised to use caution when transiting this area. For further comments or details, contact Les Shorter at (707) 544-6868.  
Chart: 18649 LNM 24/04 dated 15 Jun 2004.

**NORTHERN CALIFORNIA – SUISUN BAY – DREDGING OPERATIONS** – Dutra Construction will be conducting dredging operations at the Benicia Bridge, east to Van Sickle Island **through 20 July 2004**. The clamshell dredge, DB BEAVER will carry out dredging operations. The tow tug SARAH REED will serve as the tending tug during disposal operations. All equipment will monitor VHF-FM CH 13, 14, and 82. For further comments or details, contact John Krause at (415) 254-4443.  
Chart: 18659 LNM 26/04 dated 29 Jun 2004.

## General Info (Cont.)

**NORTHERN CALIFORNIA – SAN JOAQUIN RIVER DELTA – SECURITY ZONE** – The Coast Guard has established a safety zone in the navigable waters of the Middle River in the Upper Jones Tract Levee near position 37°55.1'N 121°31.1'W as a result of the Middle River flooding into the surrounding land tract. The security zone covers a portion of the Middle River between Santa Fe Cut and Woodward Canal Cut and will remain in effect **until further notice**, which will be determined and announced by the Captain of the Port or his designated representative via a Broadcast Notice to Mariners. Chart: 18661 LNM 23/04 dated 08 Jun 2004.

**NORTHERN CALIFORNIA – MONTEZUMA SLOUGH – BOAT LOCK OPERATIONS SUSPENDED** – The California Department of Water Resources advised that it has removed the stop logs and suspended Boat Lock operations at the Suisun Marsh Salinity Control Gates, located 2.2 NM from the easterly end of Montezuma Slough in position 38°05.6'N 121°53.1'W **until further notice**. For further comments or details, contact John Moe at (209) 833-2082. Chart: 18656 LNM 20/04 dated 18 May 2004.

**NORTHERN CALIFORNIA - BODEGA BAY HARBOR - CONSTRUCTION OF CAGES FOR RESEARCH** - Researchers from Bodega Marine Lab have deployed cages (3' in height) in the sea grass beds located in the southeast area of the harbor and near the West Side Park campground area. The cages are marked with small floats, and **will be deployed through Apr 2005**. All cages will be well outside of the main (dredged) channel. Windsurfers are advised to use caution when transiting the area. For further comments or details, contact Suzanne Olyarnik at (530) 304-4601. Chart: 18703 LNM 15/04 dated 13 Apr 2004.

**BRIDGE INFORMATION - DISCREPANCIES AND CORRECTIONS** - For bridge related issues during normal working hours Monday thru Friday, contact the Eleventh Coast Guard District Bridge Section, Coast Guard Island, Building 50-3, Alameda, CA 94501-5100, telephone: (510) 437-3514. For emergencies or discrepancies during nights, weekends and holidays, immediately notify the nearest Coast Guard Group Command via VHF-FM Ch 16 or via telephone: San Diego & Colorado River (619) 295-3121, Los Angeles (310) 732-2044, San Francisco (415) 399-3547, Eureka (707) 839-6113. Flotsam and drift may have accumulated on and near bridge piers and abutments and mariners should approach all bridges with caution..

**SOUTHERN CALIFORNIA – CERRITOS CHANNEL, LONG BEACH – SCHUYLER HEIM DRAWBRIDGE REPAIR –Through Oct 2004**, scaffolding installed below low steel of the drawspan reduces vertical clearance by 4 ft and is lighted at night with red lights. **Weekends from 1900T Fri until 0600T Mon, and weeknights from 1900T until 0600T, Mon through Fri**, the drawspan is secured in the closed to navigation position for emergency deck replacement. The drawbridge, with scaffolding, provides 33 ft vertical clearance above Mean High Water when closed. Vessels able to safely navigate through the closed drawbridge may continue to do so at any time. Chart: 18751 LNM 27/04 dated 06 Jul 2004

**SOUTHERN CALIFORNIA – LOS ANGELES MAIN CHANNEL – VINCENT THOMAS BRIDGE** – A 16 ft wide scaffolding periodically located in the channel span reduces vertical clearance by 9 ft. The scaffolding will be moved out of the channel at night and when not in use. The bridge provides 185 ft vertical clearance above Mean High Water for the mid 500 ft of the channel span. Chart: 18751 LNM 31/03 dated 05 Aug 2003.

**NORTHERN CALIFORNIA - SAN FRANCISCO BAY - GOLDEN GATE BRIDGE** - Two scaffolds located in the main navigation channel span, and one scaffold in the southern span, reduce vertical clearance by approx 12 ft and are lighted at night with red lights. The Golden Gate Bridge District has requested 48 hrs advance notice to move scaffolding. Scaffolding is moved to the piers when not in use. Chart: 18650 LNM 03/04 dated 20 Jan 2004.

**NORTHERN CALIFORNIA – SUISUN CITY – TEMPORARY SAFETY ZONE** – The Coast Guard has established a temporary safety zone in the navigable waters of Montezuma Slough, Suisun Slough, and all waterways located within the area bounded on the north by Suisun City, on the south by the entrances to both Suisun Slough and Montezuma Slough, on the east by Montezuma Slough up to the Grizzly Island Bridge, and on the west by California Interstate 680 due to an underground pipeline failure that resulted in discharge of diesel oil into the surrounding waterways. Spill response operations have commenced and the safety zone will remain in effect until further notice. Once the Coast Guard has determined that the safety zone is no longer required, the Captain of the Port will cease enforcement of the safety zone and will announce that fact via Broadcast Notice to Mariners. All persons and vessels are prohibited from entering into, transiting through or remaining in the safety zone without permission of the Captain of the Port or his designated representative. Each person within a safety zone shall obey any direction or order of the Captain of the Port or his designated representative. Chart: 18662 LNM 22/04 dated 01 June 2004.

**ARIZONA - COLORADO RIVER - CONTROL BOOM DEPLOYMENT** –The Bureau of Land Management Yuma Field Office will have two 100 ft plant control booms deployed in the backwaters of the Colorado River at Walter's Camp on the Havasu National Wildlife Refuge **through Oct 2004**. The booms are an integrated pest management technique used to protect downstream waters from the invasive *Salvinia molesta*. These booms have been placed in the river each summer for the past several years. They are located in a section of the river rarely navigated by recreational boaters, are marked with reflective material, and are deployed in a configuration to allow slow moving vessel traffic through the area. For further comments or details, contact MSTC Todd Taylor at (619) 683-6493 or the BLM Yuma Field Office at (928) 317-3200. Chart: None LNM 24/04 dated 15 Jun 2004.

**NORTHERN CALIFORNIA - SAN FRANCISCO BAY - SAN FRANCISCO-OAKLAND BAY BRIDGE RETROFIT - WEST OF YBI** - Scaffolding, between piers A, B, C, D, E, and F reduces vertical clearance by approx 10 ft. All scaffolding is lighted at night. A work barge may be located in any span in support of scaffolding relocation or pier rehab. Updated information on barge locations and scaffolding movements will be provided by Broadcast Notice to Mariners. Chart: 18650 LNM 03/04 dated 20 Jan 2004.

**NORTHERN CALIFORNIA - SAN FRANCISCO BAY - DUMBARTON HIGHWAY BRIDGE** - The red pier lights on the north side of the main navigation channel span are extinguished. Chart: 18651 LNM 22/04 dated 1 Jun 2004

**NORTHERN CALIFORNIA - SAN FRANCISCO BAY - SAN FRANCISCO-OAKLAND BAY BRIDGE REPLACEMENT- EAST OF YBI**: The green center span lights have been temporarily extinguished in the three spans east of the main channel span due to the presence of construction equipment in those spans. Bridge construction is in progress along the north side of the existing bridge and extends from the Oakland shoreline to the main navigation opening east of YBI. Numerous piers are being constructed using floating equipment with anchor wires extending up to 1,100 ft in any direction. Anchor wires may be difficult to see and mariners are advised, for their own safety, to avoid passing through the construction area by going around the construction and using the main navigational channel east of YBI. Construction equipment is lighted at night. A temporary barge loading ramp is under construction at Wharf 7 near the Oakland Outer Harbor. Mariners may contact the D/B *GENERAL* or the D/B *VANCOUVER* via VHF-FM Ch 66, or by telephone at (510) 508-0250, to determine conditions at the bridge. Chart: 18650 LNM 05/04 dated 03 Feb 2004.

## Bridge Info (Cont.)

**NORTHERN CALIFORNIA - SAN FRANCISCO BAY - RICHMOND-SAN RAFAEL HIGHWAY BRIDGE RETROFIT** - A crane barge located in either side of the west navigation channel span during **daylight hrs through Jul 2004**, reduces horizontal clearance by approx 200 ft. Anchor wires extending approx 300 ft upstream and downstream can be slacked to the bottom upon 1-hour notice and the barge can be removed upon 2 hrs notice. When work is not occurring in the west channel, it will resume in the east navigation channel with encroachments of 75 feet on either side of the span from 300 ft. barge anchor wires. Broadcast Notices to Mariners will be issued when floating equipment must block the east span, or is unable to move for vessel traffic. Mariners should contact the TUG APRIL T via VHF-FM Ch 13 for wake issues and passing arrangements. Mariners may contact Coast Guard VTS for assistance in establishing communications with the bridge. Chart: 18654 LNM 27/04 dated 06 Jul 2004.

**NORTHERN CALIFORNIA - CHINA BASIN - 3<sup>rd</sup> STREET DRAWBRIDGE** - The drawspan will be secured in the closed to navigation position from **0845T until 1100T on 01 Aug 2004** in support of a marathon. The drawspan provides 1 ft. vertical clearance above mean high water when closed. Chart: 18650 LNM 27/04 dated 06 Jul 2004

**NORTHERN CALIFORNIA - CHINA BASIN - 4<sup>th</sup> STREET DRAWBRIDGE RETROFIT** - The drawspan has been removed from the waterway. The proposed reinstallation date is **Dec 2004**. Floating equipment, cofferdams and silt curtains located between the channel piers provide 25 ft horizontal clearance. Obstructions are lighted at night with red lights. Floating equipment can be moved upon one-hour notice during daylight hours and upon 24 hours notice overnight by contacting (415) 716-8358 or (415) 554-8351. Chart: 18655 LNM 15/04 dated 13 Apr 2004.

**NORTHERN CALIFORNIA - ISLAIS CREEK - 3<sup>rd</sup> STREET DRAWBRIDGE RETROFIT** - The draw span is secured in the closed-to-navigation position **until Sep 2004**, for seismic retrofit. The bridge provides approx 4.4 ft vertical clearance above mean high water when closed. Containment tarps under the bridge reduce horizontal clearance by approx 70 ft. Chart: 18650 LNM 30/03 dated 29 Jul 2003.

**NORTHERN CALIFORNIA - PETALUMA RIVER - BLACKPOINT RAILROAD DRAWBRIDGE** - The sheer fence on the northwest side of the pivot pier and swing span is missing and does not provide adequate protection for the bridge. Steel protruding approx two inches channelward from the top of the rest piers may damage vessels, and mariners are advised to avoid contact with the rest piers. Electrical cable is suspended below low steel of the approach span and presents a hittable obstruction for smaller vessels using those openings. Chart: 18654 LNM 25/04 dated 22 Jun 2004.

**NORTHERN CALIFORNIA - PETALUMA RIVER - HAYSTACK RAILROAD DRAWBRIDGE** - The wooden timbers are missing from the sheer fences on both sides of the channel, and steel pilings are exposed. Chart: 18654 LNM 25/04 dated 22 Jun 2004.

**NORTHERN CALIFORNIA - NAPA RIVER - BRAZOS RAILROAD DRAWBRIDGE** - The channelward red lights on both piers and the center span lights are showing red. Red center span lights on drawbridges indicate the drawspan is not in the full open-to-navigation position. Vertical clearance provided by the partially raised drawspan is unknown and caution is advised. Chart: 18654 LNM 22/04 dated 01 Jun 2004.

**NORTHERN CALIFORNIA - NAPA RIVER- MAXWELL IMOLA AVE DRAWBRIDGE REPLACEMENT** - Construction is in progress on the upstream side of the existing drawbridge. Falsework over the channel reduces vertical clearance through the bridge to 49 ft above mean high water **through Oct 2005**. Vertical clearance gauges will be installed to assist mariners in determining real-time clearance at the falsework, when the adjacent drawspan is in the full open-to-navigation position. Temporary cofferdams extending channelward from the bank, reduce horizontal clearance to 65 ft and are lighted at night with red lights. Mariners should contact the drawbridge via VHF-FM Ch 16/9 to determine conditions at the bridge. Chart: 18654 LNM 16/04 dated 20 Apr 2004.

**NORTHERN CALIFORNIA - CARQUINEZ STRAIT - I-80 HIGHWAY BRIDGE REHAB (UPSTREAM BRIDGE).** **Jul through Oct 2004** an 80 ft wide traveler located in either channel span, reduces vertical clearance by 5 ft. The traveler can be removed from the center of the channel upon 3 hrs advance notice, when requested for the safe passage of vessels. The traveler is lighted at night with red lights. Traveler operators will notify Coast Guard VTS when traveler is in use over the channel. Mariners should contact CARQUINEZ BRIDGE via VHF-FM Ch 13 in advance to make passing arrangements. Chart: 18655 LNM 27/04 dated 06 Jul 2004.

**NORTHERN CALIFORNIA - CARQUINEZ STRAIT - UNION PACIFIC RAILROAD BRIDGE MARTINEZ.** Emergency lift cable repairs are complete and the drawbridge has resumed normal operation. Chart: 18655 LNM 26/04 dated 29 Jun 2004.

**CALIFORNIA - CARQUINEZ STRAIT - NEW I-680 HIGHWAY BRIDGE CONSTRUCTION** - Barge anchor wires extend parallel to the main navigation channel as much as 900 ft upstream and downstream from barges at the main navigation opening of the bridge. Anchors upstream of the construction site will be approx 50 ft outside the north margin of the Federal channel **through 30 Jul 2004**. Anchor wires can be moved upon 3 hrs advance notice when a tug is present and 6 hrs when a tug is not present. Mariners should contact the Westar Marine Tug at Benicia Bridge via VHF-FM Ch 13 to make passing arrangements. Bridge pier construction is in progress along the entire length of the bridge, with anchor lines extending 800 ft upstream and downstream from the bridge. Anchor wires may be difficult to see and mariners are advised, for their own safety, to avoid passing through the construction area by going around the construction and using the main navigational channel. For work away from the main channel span, mariners should contact the D/B PACIFIC, the D/B HAAKEN, or the D/B LA, via VHF-FM Ch 13, 14, and 67, to discuss wake issues and passing arrangements. Chart: 18657 LNM 26/04 dated 29 Jun 2004

**NORTHERN CALIFORNIA - SAN JOAQUIN RIVER - NEW PEDESTRIAN BRIDGE CONSTRUCTION** - Construction is scheduled to begin in **Jul 2004**, adjacent to the downstream side of the existing Manthey Road Bridge at Mossdale. Floating pile driving equipment located in the channel during daylight hours, Mon-Fri, will reduce horizontal clearance for vessels to approximately 55 ft. The new bridge superstructure is scheduled to be installed **1 Sep 2004**, and will not reduce the vertical clearance provided by the existing bridges. Mariners should contact Mr. Dan Schultes of Nolte Associates, Inc. at (209) 858-9112, or Mariners should contact Mr. Dan Schultes or Mr. Steve Walters of Nolte Associates, Inc. at (209) 858-9112 or the TUG HAYDEN BAY on VHF-FM Ch. 9 at the bridge, to determine conditions. Chart: 18661 LNM 27/04 dated 06 Jul 2004.

06 July 2004

THE LOCAL NOTICE TO MARINERS IS AVAILABLE ON THE  
WORLD WIDE WEB AT [WWW.NAVCEN.USCG.GOV/LNM/D11/](http://WWW.NAVCEN.USCG.GOV/LNM/D11/)

LNM 27/04

**Bridge Info (Cont.)**

**NORTHERN CALIFORNIA - NOYO RIVER - HIGHWAY 1 BRIDGE REPLACEMENT** - Demolition of the replaced bridge is in progress. Fenders beneath the existing bridge reduce horizontal clearance in the navigation channel to approx 100 ft and are lighted at night with red lights. Work is in progress 24 hours per day, 7 days per week. Brief delays to vessel traffic should be expected during bridge demolition and movement of construction equipment across the channel. Flag boats are provided to notify mariners when construction equipment is moving. Updated information will be provided via Broadcast Notice to Mariners. Mariners should contact MCM Construction Base, via VHF-FM Ch 16, or telephone (707) 964-4518, to make passing arrangements.  
Chart: 18626 LNM 26/03 dated 01 Jul 2003.

**NORTHERN CALIFORNIA - HUMBOLDT BAY –SAMOA BRIDGES SEISMIC RETROFIT** – (Middle Channel) A 50x100 ft spudded barge, centered on the upstream or downstream side of the channel piers reduces horizontal clearance by approx 30 ft and is lighted at night with red lights. (Samoa Channel) Floating equipment has been removed from this span. A temporary trestle at the western shore of the Samoa Channel is lighted at night with white lights. (Eureka Channel) A 50x100 ft spudded barge, centered on the upstream or downstream side of the channel piers reduces horizontal clearance by approx 30 ft and is lighted at night with red lights. Mariners should contact the TUG *IRON MIKE* via VHF-FM Ch 16 at least 3 hrs in advance to discuss wake issues and make passing arrangements.  
Chart: 18622 LNM 27/04 dated 06 Jul 2004

**SECTION VII – LIGHT LIST CORRECTIONS**

An asterisk \*, indicates the column in which a correction has been made to information. This section contains changes to the Light List Volume VI, 2004. The Light List is now available online at <http://www.navcen.uscg.gov/pubs/LightLists/V6COMPLETE.PDF>.

No.	Name and location	Position	Characteristic	Height	Range	Structure	Remarks
3271	Cabrillo Shallow Water Habitat Lighted Buoy A	33 42 45 118 16 25	FI W 4s			White with orange bands worded DANGER SHALLOW WATER AREA	Private aid. 27/04
*	*	*	*		*	*	*
3272	Cabrillo Shallow Water Habitat Lighted Buoy B	33 42 40 118 16 30	FI W 4s			White with orange bands worded DANGER SHALLOW WATER AREA	Private aid. 27/04
*	*	*	*		*	*	*
3273	Cabrillo Shallow Water Habitat Lighted Buoy C	33 42 48 118 16 36	FI W 4s			White with orange bands worded DANGER SHALLOW WATER AREA	Private aid. 27/04
*	*	*	*		*	*	*
3737	Scripps Lighted Research Buoy Station 107	34 19 59 N 119 48 11 W *	FI (5) Y 20s			Yellow sphere with whip antenna.	Private aid. 27/04
4601.1	Yerba Buena Island ESA Lighted Buoy	37 48 53 N 122 21 47 W	FI W 4s			Large white with orange bands worded CLOSED AREA	Private aid. 27/04
*	*	*	*		*	*	*
4601.2	Yerba Buena Island ESA Lighted Buoy	37 48 53 N 122 21 46 W	FI W 4s			Large white with orange bands worded CLOSED AREA	Private aid. 27/04
*	*	*	*		*	*	*
4601.3	Yerba Buena Island ESA Lighted Buoy	37 48 54 N 122 21 38 W	FI W 4s			Large white with orange bands worded CLOSED AREA	Private aid. 27/04
*	*	*	*		*	*	*
4601.4	Yerba Buena Island ESA Lighted Buoy	37 48 47 N 122 21 34 W	FI W 4s			Large white with orange bands worded CLOSED AREA	Private aid. 27/04
*	*	*	*		*	*	*

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## SECTION VIII – COAST PILOT CORRECTIONS

This section contains changes to the Coast Pilot Volume 7.

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None.

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## SECTION IX - ENCLOSURES

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### Glossary of Terms

APP - Approach  
BY - Buoy  
BB - Bell Buoy  
BNM - Broadcast Notice to Mariners  
BR - Bridge  
BRKW - Breakwater  
CFR - Code of Federal Regulations  
CH - Channel  
COLREGS - International Regulations for Preventing Collisions at Sea  
COLREGS DEMARCATION LINE - The separation of international and inland waterways  
CRK - Creek  
DB - Derrick Barge  
DBN - Day beacon  
DEG - Degree  
dGPS - Differential Global Positioning System  
DOLPHIN - A cluster of pilings  
DWSC - Deep Water Ship Channel  
E - East  
EBB - Tidal current toward the sea  
F - Fixed  
FENDER - The protection system at a bridge  
FL - Flashing  
FLOOD - Tidal current toward the shore.  
FS/FOGSIG - Fog Signal  
GB - Gong Buoy  
GPS - Global Positioning System  
HB - Horn Buoy  
HBR - Harbor  
HWY BR - Highway Bridge  
IS - Island  
LB - Lighted Buoy  
LBB - Lighted Bell Buoy  
LDG - Landing  
LEAF - The movable portion of a bascule bridge  
LGB - Lighted Gong Buoy  
LHB - Lighted Horn Buoy  
LK - Lake  
LLNR - Light List Number  
LMB - Lighted Mooring Buoy  
LNM - Local Notice to Mariners  
LT - Light

LWB - Lighted Whistle Buoy  
LWP - Left Watching Properly  
MB - Mooring Buoy  
MHW - Mean High Water  
MKR BY - Marker Buoy  
MLLW - Mean Lower Low Water  
MSO - Marine Safety Office  
M/V - Motor Vessel  
N - North  
NM - Nautical Mile  
NMS - National Marine Sanctuary  
Northern California - From Point Conception north to California/Oregon state line  
NPS - National Park Service  
NWR - National Wildlife Refuge  
PT - Point  
Q - Quick  
RACON - Radar Beacon  
RB - Regulatory Buoy  
RCK - Rock  
RF LT - Range Front Light  
RIV - River  
RR - Railroad  
RR BR - Railroad Bridge  
RR LT - Rear Range Light  
SLGH - Slough  
S - South  
SOUTHERN CALIFORNIA - South of Point Conception to the California/Mexico Border  
SPD - Speed  
SOFFIT - The "low steel" or other point restricting vertical clearance on a bridge  
TRLB - Temporary Lighted Buoy - Use Caution, submerged aid may be present.  
TRUB - Temporary Unlighted Buoy- Use Caution, submerged aid may be present.  
USC - United States Code  
VTS - Vessel Traffic Service  
W - West  
WB - Whistle Buoy  
WHF - Wharf  
WR - Wreck



A. J. Shaw  
Commander, U.S. Coast Guard  
Chief, Aids to Navigation and  
Waterways Management Branch

06 July 2004

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