



**U.S. Coast Guard Auxiliary**

District 11 Northern Region  
 Serving Northern California, Nevada, Utah

**District Navigation Systems**

Covering Aids to Navigation, Bridges, & Chart Updating Activities

*Accuracy - Credibility - Professionalism - Service to the Coast Guard & NOAA-NOS*

**DSO-NS Northern Region Report No. 2017-01**

Date: February 1, 2017  
 From: DSO-NS 11(NR)  
 To: DCAPT-RBS & All D11 Auxiliary Members for Immediate Action  
 Info: EXCOM, Board & Staff, SO-NS, FSO-NS & Aid Verifiers, D11 (dpw) & D11 (dpa-n)  
 Subject: DSO-NS January Report/Bulletin

**SO-NS please contact each FSO-NS to see that they receive a copy of this bulletin.**

**Additional copies can be downloaded at:**

<http://wow.uscgaux.info/content.php?unit=113&category=navigation-systems>

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**1. Have you updated your charts? 2017 – NEW CHART for D11NR:** We have 1 new Chart Editions in 2017. See “Dates of Chart Latest Edition Table” for all D11 Northern Region latest editions on page 8. These charts are always available by Charts-on-Demand and downloading [NOAA RNCs Raster Navigational Charts](#) and [NOAA ENCs Electronic Navigation Charts](#) from the NOAA-NOS website at <http://www.nauticalcharts.noaa.gov/staff/chartspubs.html>.

The most up to date charts.

**This new Charts now have the “zone of confidence or ZOC Box”.**

District 11 Northern Regions New Chart Editions.

Chart Information					Charts-on-Demand, RNC/ENC	
NUMBER	TITLE	Edition	Edition Date	Scale	Latest Edition Date from LNM Update for NOAA On-Line-Viewer & RNC & ENC Navigational Charts updates	
18650	SAN FRANCISCO BAY CANDLESTICK POINT TO ANGEL ISLAND	58	01/01/17	1:20,000	LNM 32/14	01/25/2017

Charts with edition dates prior to those listed in the table on page 8 are obsolete for use in operational navigation, private aids verification and chart updating activities. The date of a chart is of vital importance to patrol operations, aid verification, chart updating and general cruising activities. When charted information becomes obsolete, further use of the chart for navigation may be dangerous. Natural and artificial changes, many of them critical, are occurring constantly; and it is important that we in the Auxiliary use the most up-to-date charts.

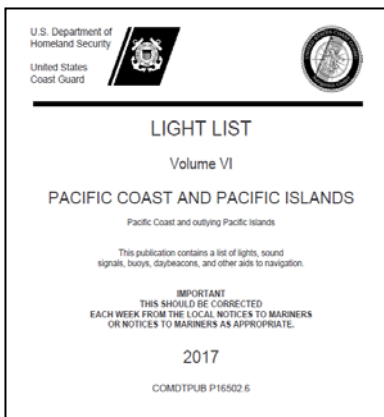
**LATEST EDITIONS IS FROM THE NOAA’S “ON LINE CHART VIEWER & CHART- ON - DEMAND”.** The web address below is an excellent free source for the most up to date charts. Attach chart section to your Chart Updating reports, ATON discrepancy reports, and

unpermitted PATON's found reports & for your electronic charting software because these Charts have all been updated. <http://www.nauticalcharts.noaa.gov/mcd/NOAChartViewer.html>

## **2. HAVE YOU UPDATED YOUR OPERATIONAL NAVIGATION PUBLICATION?**

Are all your operational publications up to date? All the following publications are **FREE** to download to your computer. Print out what you need for your AOR or cruising area.

### **A. THE COAST GUARD 2017 LIGHT LIST:** It is now available on line at the Coast Guard

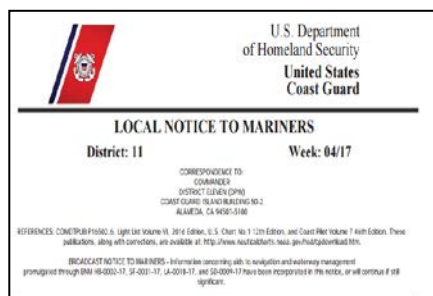


NAVCEN at <https://www.navcen.uscg.gov>. Every operational member should have this new 2017 Light List available at all times when planning your operation and underway. Download to your computer so you can print out the needed pages for your AOR or cruising area.

Also you can get the **WEEKLY UPDATES** to the 2017 CG LIGHT LIST at

<https://www.navcen.uscg.gov/?pageName=lightListCorrections>.

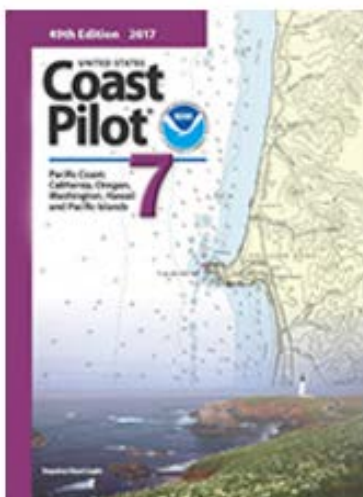
### **B. LOCAL NOTICE TO MARINERS ELEVENTH DISTRICT LNMS FOR 2017.**



You can receive for **free**, if you would like, the Local Notice to Mariners by email each week. You will receive the email on Thursday telling you they have posted the latest LNMs for Eleventh District. To receive your copy you need to register with our one-way email service below. You must have the free **Adobe Acrobat Reader** to view these documents.

<https://www.navcen.uscg.gov/?pageName=listServerForm>.

### **C. 2017 COAST PILOT, VOLUME 7, EDITION 49TH.** The United States Coast Pilot® is the

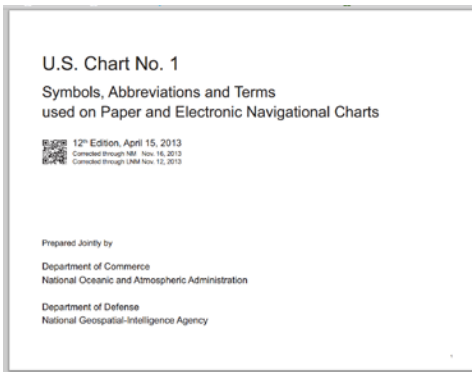


nautical books that cover a variety of information important to navigators of coastal and inland waters of San Francisco Bays, Delta waters, and Sacramento & San Joaquin Rivers. This contains supplemental information that is difficult to portray on a nautical chart. Coast Pilot 7 - 49th Edition, 2016 covers the coasts of California, Oregon and Washington, and includes Hawaii and other United States territories in the South Pacific. This publication has been updated through: 22-JAN-2017.

You can download for **free** from the NOAA-NOS website <http://www.nauticalcharts.noaa.gov/nsd/cpdownload.htm> and the U.S. Coast Pilot now offers completely updated publications every week.

To increase efficiency and timeliness, Coast Pilot updates will only be posted on this website, and no longer be included in the Coast Guard Local Notice to Mariners.

D. **U.S. CHART NO. 1:** U.S. Chart No. 1: Symbols, Abbreviations and Terms used on Paper and

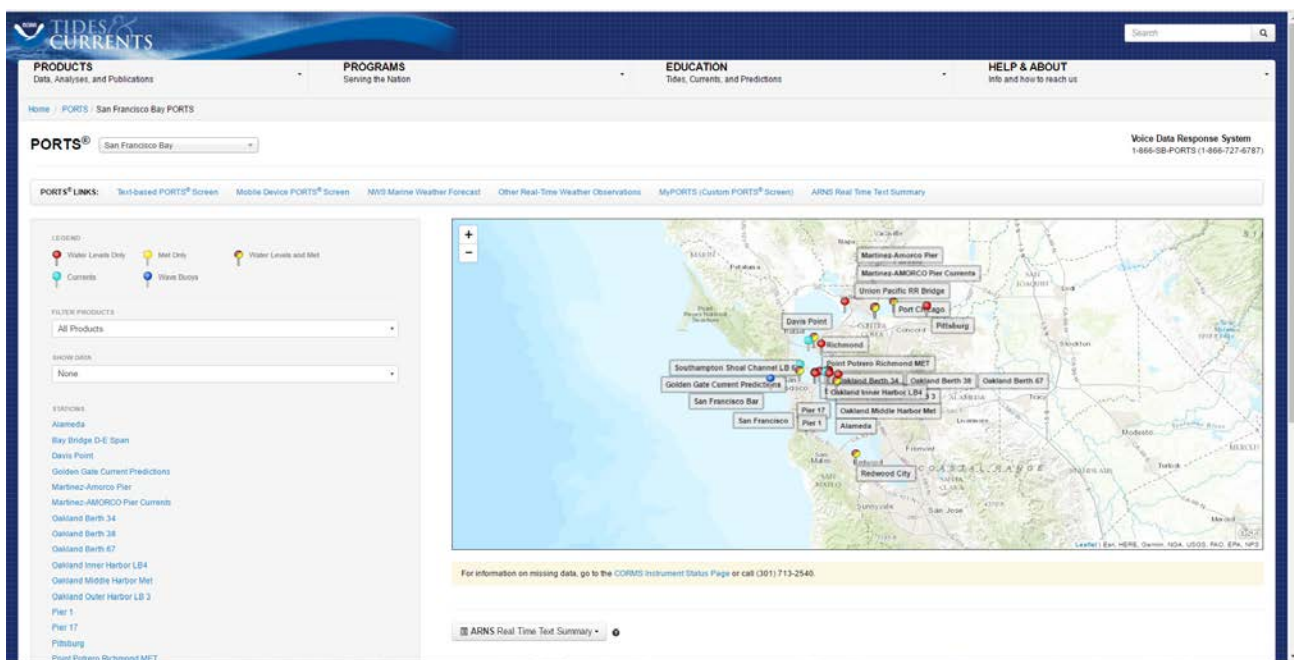


Electronic Navigational Charts provides descriptions and depictions of three nautical chart symbology sets. "INT1" symbols specified by the International Hydrographic Organization (IHO). U.S. symbols used on nautical charts published by the National Oceanic and Atmospheric Administration (NOAA) and the National Geospatial-Intelligence Agency (NGA), when they differ from INT1 symbols. ECDIS symbols used to display Electronic Navigational Chart (ENC) data on Electronic Chart Display and Information Systems (ECDIS) as specified by the IHO.

Edition 12, dated April 2013, supersedes all previous editions of U.S. Chart No. 1 and is free at <http://www.nauticalcharts.noaa.gov/mcd/chartno1.htm>

E. **TIDES & CURRENTS INFORMATION:** Here is the NOAA-NOS PORTS® (Physical Oceanographic Real-Time System) website for real time tides, currents and much more information that you can be use in your operation, aids to navigation and bridge survey activity. <https://tidesandcurrents.noaa.gov/ports/index.html?port=sf> Website for San Francisco bay area.

The National Ocean Service (NOS) is responsible for providing real-time oceanographic data and other navigation products to promote safe and efficient navigation within U.S. waters. The need for these products is great and rapidly increasing; maritime commerce has tripled in the last 50 years and continues to grow. Ships are getting larger, drawing more water and pushing channel depth limits to derive benefits from every last inch of draft. By volume, more than 95 percent of U.S. international trade moves through the nation's ports and harbors, with about 50 percent of these goods being hazardous materials. A major challenge facing the nation is to improve the economic efficiency and competitiveness of U.S. maritime commerce, while reducing risks to life, property, and the coastal environment. With increased marine commerce comes increased risks to the coastal environment, making marine navigation safety a serious national concern. From 1996 through 2000, for example, commercial vessels in the United States were involved in nearly 12,000 collisions, allisions, and groundings.



### 3. 2017 NAVIGATION SYSTEMS REPORT:

This summary report activity table covers all ATON, PATON, Bridge, & Chart Updating activities & reports received by D11 (dpw), NOAA-NOS & AUXINFO through **February 1, 2017**.

#### 2017 DIVISIONAL, BRIDGE, ATON, & CHART UPDATING ACTIVITY SUMMARY REPORT

Div.	AIDS TO NAVIGATION ACTIVITY							Bridges Assigned				PATON's Assigned				2017 AVPO in Train- ing	A V - P Q S
	Bridge	Bridge AUX Data Lead only	ATON	ATON AUX DATA Lead only	PATON	PATON NO Permit	PATON AUX DATA Lead only	AOR	Check	% Done	Still to Do	AOR	Check	% Done	Still to Do		
1								4		0%	0	104		0%	0		5
3	2		2					15		0%	0	41		0%	0		3
4								2		0%	0	68		0%	0		2
5								11		0%	0	103		0%	0		4
6								2		0%	0	67		0%	0		2
8								1		0%	0	5		0%	0		0
10								9		0%	0	58		0%	0		3
11								0		0%	0	140		0%	0		3
12					1			8		0%	0	150		0%	0		5
Total	2		2		1			52		0%	0	736		0%	0		27
	2016-17 D11NR Chart Updating Year Jan 1, 2016 to Mar 31, 2016			2016 D11NR Chart Updating Year April 1, 2016 to Dec 31, 2016			2016-2017 NOAA-NOS Chart Updating Year Apr 1, 2016 to Mar 31, 2017										
Div.	CU Reports	2nd Ob	CUC (26)	CU Reports	2nd Ob	CUC (26)	CU Reports	2nd Ob	CUC (26)								
3	5	13	143	5	13	143	5	13	143								
4																	
5	1	13	39	1	13	39	1	13	39								
6																	
8																	
10																	
11																	
12																	
Total	6	26	182	6	26	182	6	26	182								
Total D11 CU Reports 1/1/17 through 12/31/17 →				0			Total D11-NOAA CU & CUC 4/1/16 through 3/31/17 →				6		182				
Total Aids to Navigation Reports				5			Total Members Submitting ATON & CU Reports in 2017 →				0						
<b>Total Aids to Navigation in AUXDATA*</b>				<b>0</b>			<b>0 out of 0 ATON &amp; CU reports showing up in AUXDATA →</b>				<b>100%</b>						
<b>Total NOAA Chart Updating Reports</b>				<b>6</b>			A= ATON, P= PATON, B= Bridges, U= Unauthorized, CU=Chart Updates										
<b>Total ATON &amp; Chart Updating</b>				<b>11</b>			CUC = Chart Update Points (Stop Gap) = 26 CUP awarded by D11NR DSO-NS for each confirmation of a Report you recently submitted via NOAA's Nautical Discrepancy Report System.										
➤ <b>Note: *Red numbers above is the information from AUXINFO as of February 1, 2017 update.</b>																	
➤ <b>NOAA-NOS Chart Updating Year is from - April 1 through March 31 each year????</b>																	
➤ <b>D11NR Chart Updating Year is from - January 1 through December 31 each year.</b>																	
➤ <b>Note: The Green number under "2<sup>nd</sup> Ob" indicates secondary Chart Updating Observers.</b>																	
✓ <b>Note: "ALWAYS submit a 7030 for all ATON, PATON, Bridge, &amp; Chart Updating Activity. Your work is not completed until your 7030 is in your FSO-IS hands."</b>																	
✓ <b>"Always check AUXINFO for your ATON, Bridge, &amp; Chart Updating activity. If you don't find your activity recorded and you have submitted the proper ANSC 7030, check with your FSO-IS or SO-IS for help." If you are not satisfied always contact the DSO-NS for help.</b>																	



#### **4. THE BEST REFERENCES AND STUDY INFORMATION WEB SITES**

Here are your best References and Study information areas to pass the “Auxiliary Aids to Navigation (ATON) Verifier” PQS Booklet and Chart Updating programs. The “Auxiliary Aids to Navigation (ATON) Verifier” covers a wide range of areas.

#### **NATIONAL US COAST GUARD AUXILIARY Study sites**

**NATIONAL PREVENTION DEPARTMENT** - <http://pdept.cgaux.org>

**NAVIGATION SYSTEMS** - <http://pdept.cgaux.org/nsMain.html>

COMDTINST 16500.16A - Coast Guard Auxiliary Aids to Navigation Program & (Google)

COMDTINST 16500.7 - Aids to Navigation Manual-Administration - & Chapter 5 (Google)

COMDTINST M16590.5 - Bridge Administration Manual, (Google)  
Bridge Lighting

ATON & Chart Updating Forms, Manuals & other Documents of Interest

#### **COAST GUARD AUXILIARY**

**District 11 - NAVIGATION SYSTEMS** - <http://ns.d11nuscgaux.info/ns.html>

WHAT WE DO

D11 BRIDGE, ATON, CHART UPDATING TRAINING GUIDES

PUBLICATIONS & D11 STANDARD OPERATING PROCEDURE (SOP)

FORMS- ATON & Chart Updating Forms, Manuals & other Documents of Interest

PAST DSO-NS BULLETINS

QUALIFICATIONS

ADDITIONAL RESOURCES

LATEST CHARTS LIST

**District 1 - NAVIGATION SYSTEMS** - <http://www.uscgaan.com/>

#### **US COAST GUARD websites**

<https://www.navcen.uscg.gov/>

- USCG Light List-Volume 6 California Coast (Weekly update)

- Local Notice to Mariners (LMN) (LNM Weekly on Wednesday)

#### **USCG DISTRICT 11<sup>th</sup> PREVENTION DEPARTMENT** - <http://www.uscg.mil/d11/dp/dp.asp>

D11 (dpw) - <http://www.uscg.mil/d11/dp/dpw.asp>

-Local Notice to Mariners (LMN)

D11 (dpw) Private Aids - <http://www.uscg.mil/d11/dp/PatonOne.asp>

D11 (dpw) Bridges - <http://www.uscg.mil/d11/dp/bridges.asp>

- Form CG-2554 Private Aids to Navigation Application

33 CFR 66-Private Aids - (Google) this is the easiest way to find the information

33CFR 117, 114-118-Bridges – (Google)

COMDTINST 16500.16A - Coast Guard Auxiliary Aids to Navigation Program (Google)

COMDTINST 16500.7 - Aids to Navigation Manual-Administration, - (Google)

Chapter 5

COMDTINST M16590.5 - Bridge Administration Manual, (Google)

Bridge Lighting

#### **NOAA-NOS websites**

<http://www.nauticalcharts.noaa.gov/>

<http://www.nauticalcharts.noaa.gov/staff/chartspubs.html>

Coast Pilot

RNC Charts & LNC Charts

Chart No. 1

**5. NOTICE TO ALL MEMBERS WE NEED SOME NEW AID VERIFIERS** If you're not aware the district's 5 year upgrade program plan which started on January 1, 2012 has ended as of December 31, 2016. The 11th District requires all aid verifiers that meet the district standers to now to be upgrade to the national aid verifiers standers of "Auxiliary Aids to Navigation (ATON) Verifier" PQS.

We are down to only 26 Aid Verifiers to complete D11 (dpw) assignment of surveying 52 Bridges and verifying 736 private aids. All division needs more aid verifies and Division 8 has no aid verifier. Would you like to become an aid verifier, we sure could use your help. Contact James B. Duncan, DSO-NS.

**A.** Any Auxiliarist who would like to assist the Coast Guard in keeping our district waterways safe for navigation, become a qualified as an Aids to Navigation (ATON) Verifier PQS. We need your help in keeping our bridge lights, vertical clearance gauges, bridge fenders and aids to navigation watching properly. D11NR is tasked with verifying around 750 private aids to navigation (PATON) and 52 bridges annually. We also report any non-permitted PATONs and Coast Guards ATON discrepancies found. The only way we can carry out our district tasking is to have properly trained Aid Verifiers.

Please contact me James B. Duncan, DSO-NS and I will answer all your questions.

**B.** Starting January 1 2017 all District 11 Aid Verifiers must hold or completed the following to be a certified aid verifier for 2017.

1. "Auxiliary Aids to Navigation (ATON) Verifier PQS" qualification & certification.
2. Must have completed the USCG Mandatory Training and keep them up to date. with the ones that have a 5 Year requirements.
3. TCT current. (5 Year & Annual workshop)
4. Have submitted one ATON or one PATON or one Bridge report in 2015 or 2016. Except those AV-PQS qualified in 2016.

**C.** For Non-AV-PQS certified Aid Verifier 2016, current "Certified Aid Verifiers" maybe granted a training waiver for 2017 by the DSO-NS if you're in AV-PQS training program. We need your help, so please complete your AV-PQS training ASAP. If you need help or have any question please contact me your DSO-NS.

**D.** The training prerequisites need before completing the AV-PQS course:

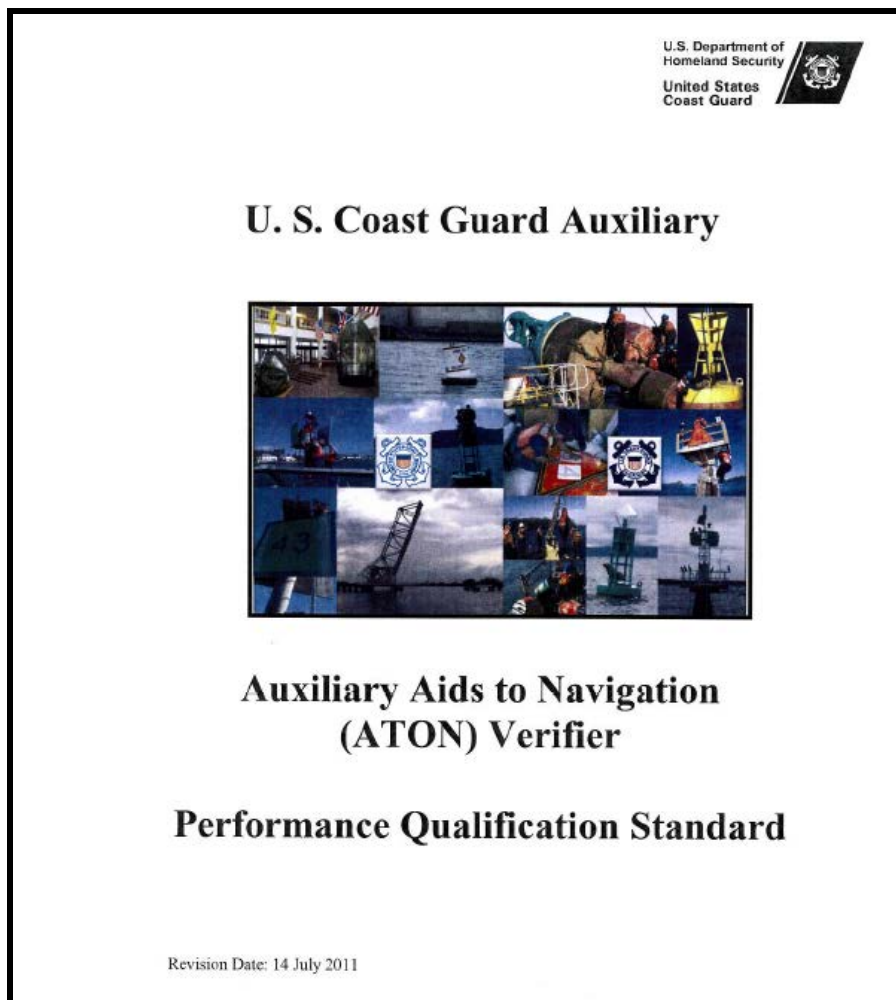
- 1) You are required to have a copy of the Auxiliary Aids to Navigation (ATON) Verifier PQS sign off booklet completed,
- 2) BQ or AX member,
- 3) Completion of the 4 or 8 hour TCT,
- 4) Completing ICS 100 and ICS 700,
- 5) Complete the USCG Mandatory Training and keep up with the one that have a 5 Year requirements.
- 6) All Major Tasks can be signed off by any Certified Aid Verifier with the exception of Tasks 3.6, 5.1, 5.2, 5.3, 6.6. 7.2 & 7.3. These tasks shall be signed-off only by the DSO-NS.

The sign off booklet and training material can be downloaded from the following National Navigation Systems web sites.

- 1) National Navigation Systems web site:  
<http://wow.uscgaux.info/content.php?unit=P-DEPT&category=navigation-systems>
- 2) D11NR Navigation Systems web site:  
<http://wow.uscgaux.info/content.php?unit=113&category=navigation-systems>
- 3) D1NR Navigation Systems web site:  
<http://www.uscgaan.com>

These three web sites can just about answer any and all of your questions about Aid Verifier PQS qualification, aids to navigation, bridges & chart updating. Take a good look at all three (3) by

navigating through these excellent web sites. If you are interested please contact your FSO-NS, SO-NS or DSO-NS.



*James B. Duncan*, DSO-NS 11(NR)

[dvc.on@comcast.net](mailto:dvc.on@comcast.net)

<http://wow.uscgaux.info/content.php?unit=113&category=navigation-systems>

**“All auxiliary vessels when underway should be checking all Aids to Navigations for any type of Discrepancy and also should be checking the Charts, Coast Pilot & Shoreline for any type of Charting Errors as well as providing update reports on Charts, & Coast Pilot in your AOR”**

**DATES OF CHART LATEST EDITION TABLE**  
**In D11 Northern Region February 1, 2017**

Chart No.	Chart Scale	Edition No.	Traditional Paper Chart Edition Date	Last Correction Date from LNM Update for NOAA On-Line-Viewer & RNC & ENC Navigational Charts	
18600	196,948	15	Mar 2011	LNM 03/11	01/17/2017
18020	1,444,000	39	Jan 2012	LNM 03/11	01/17/2017
18010	811,980	22	Sep, 2012	LNM 03/11	01/17/2017
18022	868,003	36	Jun 2012	LNM 03/11	01/17/2017
18601	40,000	14	Feb 2007	LNM 03/11	01/17/2017
18602	40,000	13	Feb 2012	LNM 03/11	01/17/2017
18603	40,000	17	Mar 2012	LNM 03/11	01/17/2017
18605	15,000	13	Dec 2010	LNM 03/11	01/17/2017
18620	200,000	24	Feb 2012	LNM 03/11	01/17/2017
18622	25,000	56	APR 2016	LNM 03/11	01/17/2017
18623	40,000	12	Jan 2012	LNM 03/11	01/17/2017
18626	40,000	16	Dec 2012	LNM 03/11	01/17/2017
18628	10,000	9	Oct 2012	LNM 03/11	01/17/2017
18640	207,840	27	Oct 2015	LNM 03/11	01/17/2017
18643	30,000	18	Dec 2009	LNM 03/11	01/17/2017
18645	100,000	28	May 2013	LNM 03/11	01/17/2017
18647	40,000	16	Mar 2009	LNM 03/11	01/17/2017
18649	40,000	68	Jun 2013	LNM 03/11	01/17/2017
<b>18650</b>	<b>20,000</b>	<b>58</b>	<b>Jan 2017</b>	LNM 03/11	01/17/2017
18651	40,000	45	Dec 2013	LNM 03/11	01/17/2017
18652 SC	40,000:80,000	36	Feb 2012	LNM 03/11	01/17/2017
18653	20,000	12	Oct 2012	LNM 03/11	01/17/2017
18654	40,000	45	Jan 2012	LNM 03/11	01/17/2017
18655	10,000	59	Oct 2006	LNM 03/11	01/17/2017
18656	40,000	56	Aug 2010	LNM 03/11	01/17/2017
18657	10,000	19	Nov 2005	LNM 03/11	01/17/2017
18658	10,000	31	Sep 2007	LNM 03/11	01/17/2017
18659	10,000	16	Jan 2012	LNM 03/11	01/17/2017
18660	20,000	3	Sep 2005	LNM 03/11	01/17/2017
18661 SC	40,000	30	Mar 2009	LNM 03/11	01/17/2017
18662 SC	40,000	22	May 2009	LNM 03/11	01/17/2017
18663	20,000	6	Apr 2006	LNM 03/11	01/17/2017
18664	20,000	12	Aug 26, 2000	LNM 03/11	01/17/2017
18665	40,000	11	Aug 2004	LNM 03/11	01/17/2017
18666	10,000	1	Nov 24, 2001	LNM 03/11	01/17/2017
18667	20,000	12	Aug 26, 2000	LNM 03/11	01/17/2017
18680	210,668	32	May 2013	LNM 03/11	01/17/2017
18682	20,000	15	APR 2016	LNM 03/11	01/17/2017
18685	50,000	34	Sep 2012	LNM 03/11	01/17/2017
18686	40,000	13	Jul 17, 1999	LNM 03/11	01/17/2017
18700	216,116	22	Jul 2003	LNM 03/11	01/17/2017
<b>Coast Pilot</b>	<b>Volume 7</b>	<b>49</b>	<b>2017 New Edition</b>	<b>Last Corrected through 01/29/2017</b>	
<b>CG Light List Weekly Updates</b>	<b>Volume 6</b>	<b>2017</b>	<b>Updated weekly</b>	<b>Last Corrected though LNM 04/17 – Dated 1/25/2017</b>	