



# 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. 2017-05

Date: June 5, 2017  
 From: DSO-NS 11(NR)  
 To: DCAPT- P & 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 May 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-1>

### CONTENTS OF THIS REPORT

1. Bridge Survey Reports Were Completed on Time Page 1
2. 2017 D11NR Navigation System Activity Report as of 6/4/2017: Page 1
3. 2017 D11NR Navigation System AUXINFO Report as Of 4/30/2017: Page 2
4. Draft NOAA National Charting Plan - Dated 2/28/17: Page 3
5. Have You Check Chart Dates Lately? Dates of Chart Latest Editions Table - Dated 5/1/2017: Page 5

**1. Bridge Survey Reports Were Completed On Time:** D11(dpw) Bridge had set the end of May for all 2017 Bridge Survey Reports be completed and returned by the end of the month. This is to allow Bridge Section to contact the bridge owners about any discrepancy to their bridges and get them corrected before summer boating season. We didn't get 100% only because there is no Certified Aid Verifiers in Division 8 to survey their only bridge. I would thank all Aid Verifiers for a job well done.

### 2. 2017 NAVIGATION SYSTEMS AUXINFO REPORT AS OF JUNE 4TH:

AUXDATA Member Activities						
ished on Sunday, June 04, 2017.						
<input type="button" value="All Unit Locations"/> <input type="button" value="All Activities"/> <input type="button" value="CY 2017"/> <input type="button" value="All Statuses"/> <input type="button" value="LEAD"/> <input type="button" value="All Operations"/>						
BRIDGE Administration (32)	BRIDGE - Bridge Administration (32)		FEDERAL Aton/Chart Updating (30)		PRIVATE - Aids To Navigation (31)	
	ATON Bridges Verified	ATON Bridge Discrepancies Reported	ATON Aids Verified	ATON Aid Discrepancies Reported	ATON Aids Verified	ATON Aid Discrepancies Reported
113-01-09 COYOTE POINT	0	0	0	0	8	0
▼ VETTER, LINDA L						
▼ 113-01-09 COYOTE POINT	0	0	0	0	8	0
▼ 11NR - Div 01	0	0	0	0	8	0
113-03-05 SACRAMENTO	0	7	0	1	0	0
▼ DUNCAN, JAMES B						
▼ MACPHERSON, DOUGLAS W	0	1	0	0	0	0
▼ 113-03-05 SACRAMENTO	0	8	0	1	0	0
▼ 11NR - Div 03	0	8	0	1	0	0
113-05-03 NORTH SOLANO COUNTY	1	0	0	0	0	0
▼ HUNT, GORDON E						
▼ 113-05-03 NORTH SOLANO COUNTY	1	0	0	0	0	0
113-05-05 SONOMA COUNTY	4	2	0	0	17	7
▼ SUMNER II, WILFERED A						
▼ 113-05-05 SONOMA COUNTY	4	2	0	0	17	7
▼ 11NR - Div 05	5	2	0	0	17	7
113-06-10 CAPITOLA FLOTILLA	0	2	0	0	2	0
▼ SIMPSON, BRUCE						
▼ SMITH JR, WALLACE A	0	0	1	0	0	0
▼ 113-06-10 CAPITOLA FLOTILLA	0	2	1	0	2	0
▼ 11NR - Div 06	0	2	1	0	2	0
113-12-01 EAST BAY	0	0	0	0	11	14
▼ SCHIMMELMAN, NANCY R						
▼ 113-12-01 EAST BAY	0	0	0	0	11	14
113-12-91 SAN RAMON VALLEY	2	0	0	0	0	2
▼ BOGERT, JOHN M						
▼ LOSI, JAMES G	0	0	0	0	1	9
▼ LUCHETTI, VIRGINIA	0	0	0	0	8	17
▼ 113-12-91 SAN RAMON VALLEY	2	0	0	0	9	28
▼ 11NR - Div 12	2	0	0	0	20	42
▼ ...	7	12	1	1	47	49
▼ ...	7	12	1	1	47	49

ing values, overflow values

### 3. 2017 NAVIGATION SYSTEMS ACTIVITY REPORT:

This summary report activity table covers all ATON, PATON, Bridge, & Chart Updating activities & reports received by D11 (dpw), NOAA-NOS & AUXINFO through **JUNE 5, 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				40		8	4	4	100%	0	104	40	38%	64	2	7
3	19	8	2	1	2			15	15	100%	0	41	2	5%	39	0	4
4	2				6			2	2	100%	0	68	6	9%	62	1	2
5	13	7			75		24	11	11	100%	0	103	71	69%	32	1	4
6	2	2	1	1	2	1	2	2	2	100%	0	67	2	3%	65	0	2
8								1		0%	1	5		0%	5	0	0
10	9							9	9	100%	0	58		0%	58	3	3
11								0	0	100%	0	140		0%	140	0	3
12	8	2			39		62	8	8	100%	0	150	38	25%	112	0	6
Total	57	19	3	2	164	1	96	52	51	100%	1	736	159	22%	577	7	31

Div.	2017 D11NR Chart Updating Year Jan 1, 2017 to Mar 31, 2017			2017 D11NR Chart Updating Year April 1, 2017 to Dec 31, 2017			2017-2018 NOAA-NOS Chart Updating Year Apr 1, 2017 to Mar 31, 2018		
	CU Reports	2nd Ob	CUC (26)	CU Reports	2nd Ob	CUC (26)	CU Reports	2nd Ob	CUC (26)
3									
4									
5									
6									
8									
10									
11									
12									
Total	0	0	0	0	0	0			

Total D11 CU Reports 1/1/17 through 12/31/17 → 0      Total D11-NOAA CU & CUC 4/1/17 through 3/31/18 → 0

Total Aids to Navigation Reports 225      Total Members Submitting ATON & CU Reports in 2017 → 23

Total Aids to Navigation in AUXDATA\* 117      117 out of 225 ATON & CU reports showing up in AUXDATA → 52%

Total NOAA Chart Updating Reports 0

Total ATON & Chart Updating 225

A= ATON, P= PATON, B= Bridges, U= Unauthorized, CU=Chart Updates  
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.

➤ Note: \*Red numbers above is the information from AUXINFO as of JUNE 4, 2017 update.

➤ NOAA-NOS Chart Updating Year is from - April 1 through March 31 each year????

➤ D11NR Chart Updating Year is from - January 1 through December 31 each year.

➤ Note: The Green number under "2<sup>nd</sup> Ob" indicates secondary Chart Updating Observers.

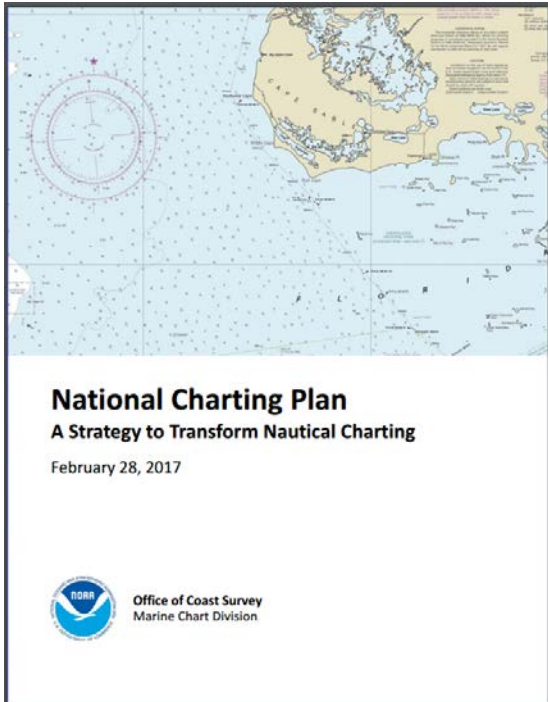
✓ Note: "ALWAYS submit a 7030 for all ATON, PATON, Bridge, & Chart Updating Activity. Your work is not completed until your 7030 is in your FSO-IS hands."

✓ "Always check AUXINFO for your ATON, Bridge, & 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.

#### **4. DRAFT NOAA NATIONAL CHARTING PLAN:**

**“National Charting Plan Is A Strategy to Transform Nautical Charting:”** To get your copy go to <https://www.nauticalcharts.noaa.gov/mcd/docs/NationalChartingPlan.pdf>

Our operational members may want to read page 26, **VISION FOR THE FUTURE OF THE NAUTICAL CHARTING**, **calling for the total elimination of the paper chart and RNC should get a rise out of you.**



The National Charting Plan is a strategy to improve NOAA nautical chart coverage, products, and distribution. It describes the evolving state of marine navigation and nautical chart production, and outlines actions that will provide the customer with a suite of products that are more useful, up-to-date, and safer to navigate with. It is not a plan for the maintenance of individual charts, but a strategy to improve all charts.

Since the introduction of electronic navigational charts (ENCs) thirty years ago, the size of commercial vessels has increased four-fold and navigation systems have become more sophisticated. Additionally, there are now over 15 million recreational boat users in the U.S. and many have joined professional mariners in using electronic chart displays and NOAA digital chart products when navigating. User groups of all types are increasingly expecting more precise, higher resolution charts, and greater timeliness and ease-of-access to chart

updates. This plan presents strategies to meet the growing demand.

The National Charting Plan outlines several improvements to chart content, such as:

- ✓ **Reducing unwarranted alarms** in the electronic chart display and information system (ECDIS) used by large commercial vessels and improving the differentiation between dangerous and non-dangerous wrecks.
- ✓ **Resolving uncertainties** about 'reported,' 'existence doubtful,' and 'position approximate' dangers.
- ✓ **Creating an orderly layout for ENC charts** that will replace the current set of 1,182 irregularly shaped ENC cells compiled at 131 different scales with a regular gridded framework of cells compiled at a few dozen standard scale.
- ✓ **Strengthening partnerships** with the U.S. Coast Guard by developing methods to ingest changes to the database of USCG maintained aids to navigation directly into Coast Survey's chart production system. This will save time and avoid any chance of data being entered incorrectly by hand.

#### **“VISION FOR THE FUTURE OF THE NAUTICAL CHARTING:**

**The End of Raster Nautical Charts (Sunset of Paper Charts):**

The reduction or elimination of traditional paper nautical charts seems likely as the use of digital raster chart data in ECS increases:

- Individual large scale paper charts will be replaced by the seamless NOAA RNC tile service

- The need for RNC and paper nautical chart "new editions" will be eliminated as the currency of nautical data will be maintained through weekly updates of RNCs
- The currency of nautical data will be identified through the chart tile metadata, not by an edition number
- Only smaller scale overview charts will be available from NOAA certified chart agents to provide mariners with a voyage overview and to support backup for ECDIS

The reduction or elimination of ALL raster chart coverage seems likely as the use of ENC's in ECS increases:

- The NOAA RNC tile service may be replaced with a vector chart tile service based on ENC's
- Use of ENC's may completely replace raster charts of any form (RNC, RNC Tiles, Paper)"

*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-1>

**“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 June 5, 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 21/17	05/23/2017
18020	1,444,000	39	Jan 2012	LNM 21/17	05/23/2017
18010	811,980	22	Sep, 2012	LNM 21/17	05/23/2017
18022	868,003	36	Jun 2012	LNM 21/17	05/23/2017
18601	40,000	14	Feb 2007	LNM 21/17	05/23/2017
18602	40,000	13	Feb 2012	LNM 21/17	05/23/2017
18603	40,000	17	Mar 2012	LNM 21/17	05/23/2017
18605	15,000	13	Dec 2010	LNM 21/17	05/23/2017
18620	200,000	24	Feb 2012	LNM 21/17	05/23/2017
18622	25,000	56	APR 2016	LNM 21/17	05/23/2017
18623	40,000	12	Jan 2012	LNM 21/17	05/23/2017
18626	40,000	16	Dec 2012	LNM 21/17	05/23/2017
18628	10,000	9	Oct 2012	LNM 21/17	05/23/2017
18640	207,840	27	Oct 2015	LNM 21/17	05/23/2017
18643	30,000	18	Dec 2009	LNM 21/17	05/23/2017
18645	100,000	28	May 2013	LNM 21/17	05/23/2017
18647	40,000	16	Mar 2009	LNM 21/17	05/23/2017
18649	40,000	68	Jun 2013	LNM 21/17	05/23/2017
<b>18650</b>	<b>20,000</b>	<b>58</b>	<b>Jan 2017</b>	LNM 21/17	05/23/2017
18651	40,000	45	Dec 2013	LNM 21/17	05/23/2017
18652 SC	40,000:80,000	36	Feb 2012	LNM 21/17	05/23/2017
18653	20,000	12	Oct 2012	LNM 21/17	05/23/2017
18654	40,000	45	Jan 2012	LNM 21/17	05/23/2017
18655	10,000	59	Oct 2006	LNM 21/17	05/23/2017
18656	40,000	56	Aug 2010	LNM 21/17	05/23/2017
18657	10,000	19	Nov 2005	LNM 21/17	05/23/2017
18658	10,000	31	Sep 2007	LNM 21/17	05/23/2017
18659	10,000	16	Jan 2012	LNM 21/17	05/23/2017
18660	20,000	3	Sep 2005	LNM 21/17	05/23/2017
18661 SC	40,000	30	Mar 2009	LNM 21/17	05/23/2017
18662 SC	40,000	22	May 2009	LNM 21/17	05/23/2017
18663	20,000	6	Apr 2006	LNM 21/17	05/23/2017
18664	20,000	12	Aug 26, 2000	LNM 21/17	05/23/2017
18665	40,000	11	Aug 2004	LNM 21/17	05/23/2017
18666	10,000	1	Nov 24, 2001	LNM 21/17	05/23/2017
18667	20,000	12	Aug 26, 2000	LNM 21/17	05/23/2017
18680	210,668	32	May 2013	LNM 21/17	05/23/2017
18682	20,000	15	APR 2016	LNM 21/17	05/23/2017
18685	50,000	34	Sep 2012	LNM 21/17	05/23/2017
18686	40,000	13	Jul 17, 1999	LNM 21/17	05/23/2017
18700	216,116	22	Jul 2003	LNM 21/17	05/23/2017
<b>Coast Pilot</b>	<b>Volume 7</b>	<b>49</b>	<b>2017 New Edition</b>	<b>Last Corrected through 05/28/2017</b>	
<b>D11 CG Light List Weekly Updates</b>	<b>Volume 6</b>	<b>2017</b>	<b>Updated weekly</b>	<b>Last Corrected though LNM 22/17 – Dated 5/31/2017</b>	