



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/BULLETIN No. 2013-10

Date: November 4, 2013
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) & (dpa-n)
Subject: DSO-NS Monthly 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://ns.d11nuscgaux.info/ns.html>

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1. NOAA announces the end of traditional paper nautical charts:

This is of importance for all USCGAUX Operational and Navigation Systems program.



A Coast Survey Announcement: NOAA-NOS announces end of traditional paper nautical charts but NOAA-NOS -certified Print-on-Demand partners will continue to sell up-to-date paper nautical charts.

NOAA's Office of Coast Survey, which creates and maintains the nation's suite of over a thousand nautical charts of U.S. coastal waters, today announced major changes ahead for mariners and others who use nautical charts. **Starting April 13, 2014, the federal government will no longer print traditional lithographic (paper) nautical charts.** Coast Survey will continue to create and distribute other forms of nautical charts, including Print-on-Demand paper charts as well as electronic and digital formats. "Like most other mariners, I grew up on NOAA lithographic charts and have used them for years," said Rear Admiral Gerd Glang, director of NOAA's Office of Coast Survey. "We know that changing chart formats and availability will be a difficult change for some mariners who love their traditional paper charts."

See full Coast Survey Announcement below.



A Coast Survey Announcement

NOAA announces end of traditional paper nautical charts

NOAA-certified Print-on-Demand partners will continue to sell up-to-date paper nautical charts

NOAA's [Office of Coast Survey](#), which creates and maintains the nation's suite of over a thousand nautical charts of U.S. coastal waters, today announced major changes ahead for mariners and others who use nautical charts. Starting April 13, 2014, the federal government will no longer print [traditional lithographic \(paper\) nautical charts](#). Coast Survey will continue to create and distribute [other forms of nautical charts](#), including Print-on-Demand paper charts as well as electronic and digital formats.

"Like most other mariners, I grew up on NOAA lithographic charts and have used them for years," said Rear Admiral Gerd Glang, director of NOAA's Office of Coast Survey. "We know that changing chart formats and availability will be a difficult change for some mariners who love their traditional paper charts."

Since 1862, those lithographic nautical charts -- available in marine shops and other stores -- have been printed by the U.S. government and sold to the public by commercial vendors. The decision to stop production is based on several factors, including the declining demand for lithographic charts, the increasing use of digital and electronic charts, and federal budget realities.

"With the end of traditional paper charts, our primary concern continues to be making sure that boaters, fishing vessels, and commercial mariners have access to the most accurate, up-to-date nautical chart in a format that works well for them," said Capt. Shep Smith, chief of Coast Survey's Marine Chart Division. "Fortunately, advancements in computing and mobile technologies give us many more options than was possible years ago."



NOAA will continue to create and maintain other forms of nautical charts, including the increasingly popular [Print on Demand \(POD\) charts](#), updated paper charts available from NOAA-certified printers. NOAA electronic navigational charts ([NOAA ENC[®]](#)) and raster navigational charts ([NOAA RNC[®]](#)), used in a variety of electronic charting systems, are also updated weekly and are available for free download from the Coast Survey website. NOAA announced a new product as well: full-scale [PDF \(Portable Digital Format\) nautical charts](#), available for free download on a trial basis.

Mariners increasingly use NOAA-certified Print-on-Demand nautical charts that are up-to-date to the moment of printing.

The world of navigation is benefiting from advances in technology, Smith explained. He said that NOAA will consult with chart users and private businesses about the future of U.S. navigation, especially exploring the use of NOAA charts as the basis for new products.

"Customers frequently ask us for special printed features, such as waterproof charts, special papers, or chart books containing additional information," he explained. "We are investigating new opportunities for companies to fill these market niches, using the most up-to-date information directly from NOAA."

For more information, see our [Frequently Asked Questions](#).
Submit comments [here](#).

NOAA Office of Coast Survey is the nation's nautical chartmaker. Originally formed by President Thomas Jefferson in 1807, Coast Survey updates charts, surveys the coastal seafloor, responds to maritime emergencies, and searches for underwater obstructions that pose a danger to navigation.

2. 2013 ATON, PATON, BRIDGE, & CHART UPDATING ACTIVITIES TABLE:

This table covers all ATON, PATON, Bridge, & Chart Updating activities & reports received by D11 (dpw), NOAA-NOS & AUXINFO through **November 4, 2013**.

2013 DIVISIONAL, BRIDGE, ATON, & CHART UPDATING ACTIVITY SUMMARY REPORT

Div.	AIDS TO NAVIGATION ACTIVITY							Bridges Assigned				PATON's Assigned				2013		
	Bridge	Bridge AUX Data	ATON	ATON AUX DATA	PATON	PATON NO Permit	PATON AUX DATA	AOR	Check	% Done	Still to Do	AOR	Check	% Done	Still to Do	A V 's	P Q S	
1	4		1		106		132	4	4	100%	0	110	103	94%	7	12	2	
3	20	13	4	2	72	3	28	13	13	100%	0	49	49	100%	0	8	2	
4	2	2			62		62	2	2	100%	0	62	62	100%	0	3	1	
5	9	5		4	119		28	9	9	100%	0	109	109	100%	0	9	1	
6	2				76	2	32	2	2	100%	0	70	70	100%	0	6	1	
8	1				5			1	1	100%	0	5	5	100%	0	1		
10	10	7			63	6	39	10	10	100%	0	63	63	100%	0	3	1	
11					95	27	118	0		NA	NA	95	95	100%	0	6	1	
12	8	10			187	4	119	9	9	100%	0	170	170	100%	0	7	2	
Total	56	37	5	6	785	42	558	50	50	100%	0	733	726	99%	7	55	11	
	2013 D11 NR Chart Updating Year Apr 1, 2013 to March 31, 2014						2013 NOAA-NOS Chart Updating Year Jan 1, 2013 to Dec 31, 2013						2013-2014 NOAA-NOS Chart Updating Year Apr 1, 2013 to Mar 31, 2014					
Div	Reports		2nd Ob	CUC		Reports		2nd Ob	CUC		Reports		2nd Ob	CUC				
1																		
3	1					1					1							
4																		
5																		
6																		
8																		
10																		
11	2					2					2							
12																		
Total	3		0	0		3		0	0		3		0	0				
Total D11 Reports 1/1/13 through 12/31/13 →						3		Total D11-NOAA CUC 4/1/13 through 3/31/14 →						0		?		
Total Aids to Navigation Reports						888		Total Members Submitting Reports in 2013 →						71				
Total Aids to Navigation in AUXDATA*						558		558 out of 888 reports showing up in AUXDATA →						68%				
Total Chart Updating Reports						3		A= ATON, P= PATON, B= Bridges, U= Unauthorized										
Total ATON & Chart Updating						891		NOAA-CUC=Charting Credit Points award by NOS to date.										
➤ Note: *Red numbers above is the information from AUXINFO as of November 3, 2013 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 nd 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."																		

3. AID TO NAVIGATION & BRIDGE DISCREPANCY FORMS UPDATED:

National Navigation Systems Division updated our “**NS-7054 - Aids to Navigation Discrepancy Report Form**” & “**NS-7055 - Bridge Discrepancy Report Form**” (In EXCEL format) to meet our goals of Accuracy, Credibility, and Professionalism in our reports. These reports have all the information for the Coast Guard & NOAA-NOS to take needed action. These new forms can be found and downloaded onto your home or laptop computer at <http://ns.d11nuscgaux.info/ns.html> the D11NR Navigation Systems web site and on the National Prevention Navigation Systems web site <http://wow.uscgaux.info/content.php?unit=P-DEPT&category=ns-forms-and-manuals> with how to fill out these new forms.

The Updated ATON/PATON & BRIDGE Program Forms

- **NS 7054** - 7054 Aids to Navigation Report (Updated 2013-V0913-10)
- **NS-7055** - Bridge Survey Report (Updated 2013-V0812-3.0)

Form still to be used:

- **NS-AN10** (Aids to Navigation Field Report)

Every Auxiliary vessel and Aid Verifiers should carry copies of the **NS-AN10** (Aids to Navigation Field Report) as a worksheet to report any discrepancies found while underway or on an Aid Verifier mission. All these EXCEL formatted forms should be on your home computer for **emailing** a hard **Professional** copy reporting discrepancies observed on Federal Short Range Aids to Navigation (ATON), Private Aids (PATON) & Bridges to the DSO-NS for distribution to the proper Coast Guard Unit.

4. ALL PRIVATE AIDS TO NAVIGATION (PATON) SHEETS ARE NOW DUE:

D11NR has completed **99%** with only 7 verifications to be received to reach District 11 (dpw) **100%** of the Auxiliary Northern Region scheduled assigned PATONs this year. See above item 2 for the Divisional update. I would like to thank the SO-NS Divisions 3, 4, 5, 6, 8 10, 11 & 12 and activated Aid Verifier for completing the PATON assignments on time. Job well done!!!

SO-NS Officers you may want to check over your last divisional update report from me and FSO-NS Officers from your SO-NS to see whom are your activate Aid Verifiers in D11 (dpw) aid to navigation & bridge programs. SO-NS and FSO-NS Officers for your end of year reports to your DCRD and FC you will want to tell them who your top Aid Verifiers were and which Aid Verifiers will be going into REYR because of no-activity this year. Let them know which Aid Verifiers will be losing their Aid Verifier qualification because not completing the districts 5-Year Re-certification which was the Auxiliary Aids to Navigation (ATON) Verifiers PQS. We have 14 on this list. Note: there is no 5-Year Re-certification for the Auxiliary Aids to Navigation (ATON) Verifiers PQS.

If you have any questions about your Divisional or Aid Verifier activities please contact me.

5. Have you updated your Compass Deviation table for 2013? **You must do this each year for safe navigation.**

Once you have the Variation for your AOR you now must apply your deviation to complete your compass deviation table for your vessel. To update the deviation table for 2014 you must apply the Annual Decrease for your AOR.

- A. What is the Variation in Monterey Bay today Chart 18685?
 Charted VAR 13° 45'E (2012) Annual Decrease 6' (45'-6=39) VAR for 2013 is 13° 39'E
- B. What is the Variation in San Francisco Bay today Chart 18650?
 Charted VAR 14° 30'E (2009) Annual Decrease 6' (30'-24=06) VAR for 2013 is 14° 06'E
- C. What is the Variation in South San Francisco Bay today Chart 18651?
 Charted VAR 14° 45'E (2006) Annual Decrease 6' (45'-42=03) VAR for 2013 is 14° 03'E
- D. What is the Variation in Carquinez Strait today Chart 18656?
 Charted VAR 15° 00'E (2005) Annual Decrease 6' (60'-48=12) VAR for 2013 is 14° 12'E
- E. What is the Variation in the Delta today Chart 18661?
 Charted West Delta VAR 14° 30'E (2009) Annual Decrease 6' (30'-24=06) VAR for 2013 is 14° 06'E
 Charted East Delta VAR 14° 15'E (2009) Annual Decrease 6' (15'-24=-09) VAR for 2013 is 13° 51'E
- F. What is the Variation in Lake Tahoe today Chart 18665?
 Charted North Lake VAR 15° 15'E (2004) Annual Decrease 4' (15'-39=-21) VAR for 2013 is 14° 39'E
 Charted South Lake VAR 15° 00'E (2004) Annual Decrease 4' (60'-39=21) VAR for 2013 is 14° 21'E
- G. What is the Variation in Crescent City today Chart 18603?
 Charted VAR 15° 30'E (2011) Annual Decrease 8' (30'-16=14) Your VAR for 2013 is 15° 14'E

All coxswains and boat operators you may want to think about resetting your deviation tables for 2014.

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<http://ns.d11nuscgaux.info/ns.html>

“ 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, Small Crafts Facilities & Coast Pilot in your AOR”**

DATES OF CHART LATEST EDITION TABLE

In D11 Northern Region **November 4, 2013**

Chart No.	Chart Scale	Edition No.	Traditional Paper Chart Edition Date	Latest Edition Date from LNM Update for NOAA On-Line-Viewer & RNC & ENC Navigational Charts updates	
				LNM 44/13	11/01/2013
18600	196,948	15	Mar 2011	LNM 44/13	11/01/2013
18020	1,444,000	39	Jan 2012	LNM 44/13	11/01/2013
18010	811,980	22	Sep, 2012	LNM 44/13	11/01/2013
18022	868,003	36	Jun 2012	LNM 44/13	11/01/2013
18601	40,000	14	Feb 2007	LNM 44/13	11/01/2013
18602	40,000	13	Feb 2012	LNM 44/13	11/01/2013
18603	40,000	17	Mar 2012	LNM 44/13	11/01/2013
18605	15,000	13	Dec 2010	LNM 44/13	11/01/2013
18620	200,000	24	Feb 2012	LNM 44/13	11/01/2013
18622	25,000	55	Jun 2010	LNM 44/13	11/01/2013
18623	40,000	12	Jan 2012	LNM 44/13	11/01/2013
18626	40,000	16	Dec 2012	LNM 44/13	11/01/2013
18628	10,000	9	Oct 2012	LNM 44/13	11/01/2013
18640	207,840	26	May 2013	LNM 44/13	11/01/2013
18643	30,000	18	Dec 2009	LNM 44/13	11/01/2013
18645	100,000	28	May 2013	LNM 44/13	11/01/2013
18647	40,000	16	Mar 2009	LNM 44/13	11/01/2013
18649	40,000	68	Jun 2013	LNM 44/13	11/01/2013
18650	20,000	56	SEP 2009	LNM 44/13	11/01/2013
18651	40,000	44	Apr 2006	LNM 44/13	11/01/2013
18652 SC	40,000:80,000	36	Feb 2012	LNM 44/13	11/01/2013
18653	20,000	12	Oct 2012	LNM 44/13	11/01/2013
18654	40,000	45	Jan 2012	LNM 44/13	11/01/2013
18655	10,000	59	Oct 2006	LNM 44/13	11/01/2013
18656	40,000	56	Aug 2010	LNM 44/13	11/01/2013
18657	10,000	19	Nov 2005	LNM 44/13	11/01/2013
18658	10,000	31	Sep 2007	LNM 44/13	11/01/2013
18659	10,000	16	Jan 2012	LNM 44/13	11/01/2013
18660	20,000	3	Sep 2005	LNM 44/13	11/01/2013
18661 SC	40,000	30	Mar 2009	LNM 44/13	11/01/2013
18662 SC	40,000	22	May 2009	LNM 44/13	11/01/2013
18663	20,000	6	Apr 2006	LNM 44/13	11/01/2013
18664	20,000	12	Aug 26, 2000	LNM 44/13	11/01/2013
18665	40,000	11	Aug 2004	LNM 44/13	11/01/2013
18666	10,000	1	Nov 24, 2001	LNM 44/13	11/01/2013
18667	20,000	12	Aug 26, 2000	LNM 44/13	11/01/2013
18680	210,668	32	May 2013	LNM 44/13	11/01/2013
18682	20,000	14	Nov 2003	LNM 44/13	11/01/2013
18685	50,000	34	Sep 2012	LNM 44/13	11/01/2013
18686	40,000	13	Jul 17, 1999	LNM 44/13	11/01/2013
18700	216,116	22	Jul 2003	LNM 44/13	11/01/2013
Coast Pilot	Volume 7	45	Updated weekly	Last Corrected through 10/27/2013	
CG Light List	Volume 6	2013	Updated weekly	Last Corrected though LNM 44/13 - Dated 11/01/2013	