



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. 2018-03

Date: April 3, 2018
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 July 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://www.uscgaux.info/content.php?unit=113&category=navigation-systems-1>

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1. 2017 AWARDS for Navigation Systems Programs Presented at Reno D-Train:

D11 (dpw) and myself would like to congratulate all **29** hardworking Aid Verifier-PQS participating in 2017 to get a 8th year in completing 100% and more of our D11 (dpw) assigned private aids verifications and the annual bridge surveys from 1 January 2017 to 31 December 2017; also members participating in the chart updating program in 2017.



➤ Congratulation to **Flotilla 12-91** for receiving the 2017 **"FLOTILLA CHART UPDATING AWARD"** for Bridges, Aids to Navigation and Chart Updating. Flotilla 12-91 had 6 member's participation in the 2017 Navigation Systems Programs with **495** points and enter their activity into AUXDATA.

➤ Congratulations to the Top three Members for **"Recognition for Outstanding Achievement in Furthering the Eleventh Coast Guard District's Aids to Navigation and Chart Updating Programs in 2017"** for receiving over 200 Points in AUXDATA.



1st Place Award went to Richard S. Myers, 113-10-06 with 395 Points.

2nd Place Award went to Virginia Luchetti, 113-12-91 with 380 Points.

3rd Place Award went to Bruce W. Thee, 113-11-01 with 365 Points

- Congratulations to the following 6 member receiving the “**Plaque Award for Recognition in Furthering the Eleventh Coast Guard District Aids to Navigation and Chart Updating Programs in 2017**” for receiving 150 Points or more in AUXDATA.

Member	Flotilla	Points
Robert R. Whitehead	113-04-06	340
Gordon Hunt (Retired 12-31-17)	113-05-03	225
Bruce Simpson	113-06-10	225
Linda L. Haynes	113-11-03	215
Wilfred A. Sumner	113-05-05	200
Michael D. Hay	113-05-07	160

- Congratulations to the following members receiving the “**Certificate of Award for Recognition in Furthering the Eleventh Coast Guard District Aids to Navigation and Chart Updating Programs in 2017**” for receiving 50 Points or more in AUXDATA.

- Certificate of Award will be sent to your Flotilla Commander.

Flotilla	Name	Points
113-03-05	James B. Duncan	251
113-12-01	Nancy R. Schimmelman	125
113-12-01	Frank R. Swift	85
113-01-09	Terry M. Blanchard	70
113-01-09	Dan Swett	70
113-03-05	Douglas W. MacPherson	65
113-11-03	Katharine R. Boyne	65
113-12-91	Stephen C. Busch	65
113-08-11	Gregory M Stewart	55

2.



News Release

March 23, 2018

U.S. Coast Guard Headquarters
Contact: Headquarters Public Affairs
Office: (202) 372-4630
After Hours: (202) 603-3281
mediarelations@uscg.mil
[Headquarters online newsroom](#)

U.S. Coast Guard to discontinue service from remaining Differential GPS sites

WASHINGTON – The Coast Guard will discontinue broadcasts from its remaining 38 Differential GPS (DGPS) sites over the next three years, completing system reductions that began in 2016.

The staged reduction of the remaining Coast Guard DGPS broadcast sites will begin in 2018 and end with the last broadcast of GPS corrections over medium frequency in 2020.

“The Coast Guard no longer has a mission requirement for DGPS,” said Lt. Cmdr. Michael Patterson, chief of the Aids to Navigation and Positioning, Navigation and Timing Division. “GPS provides

sufficient positional accuracy to meet navigation requirements for harbor approaches and to position Federal Aids to Navigation.”

Patterson said other commercial and government GPS augmentation systems are available for GPS users. The observed accuracy of un-augmented GPS increasingly exceeds the 10-meter accuracy requirements for harbor navigation and harbor approaches.

The National Differential GPS system was significantly reduced between 2016 and 2017 with the discontinuance of all 28 of the Department of Transportation inland broadcast sites, all seven U.S. Army Corps of Engineers (USACE) broadcast sites, and 10 U.S. Coast Guard maritime broadcast sites.

Since 2016, the Coast Guard has affirmed that the positional accuracy provided by un-augmented GPS and GPS augmented by the U.S. Wide Area Augmentation System (WAAS) is sufficient to meet Coast Guard mission requirements and navigational requirements for harbor approach.

The Coast Guard will release the specific termination dates for each broadcast site via local notices to mariners.

3. 2018 NAVIGATION SYSTEMS AUXINFO REPORT AS OF April 4th:

Check below to see if your activity is in AUXDATA? IF Not, Why Not? Did you submit a 7030?

Cube last refreshed on Sunday April 4, 2018									
ATON –Aids to Navigation (30, 31, 32)	11NR – Eleventh Northern	All Facilities	All Unit Locations	All Activities	CY 2018	All Statuses	LEAD ONLY	All Operations	
Some of this AUXDATA information does not match actual Reports Submitted to DSO-NS & D11 (dpw). SEE BELOW				BRIDGE – Bridge Administration (32)		FEDERAL – (30) Aton/chart updating		PRIVATE-Private-Aids to Navigation (31)	
				ATON Bridge Verified	ATON Bridge Discrepancy Reported	ATON Aids Verified	ATON Aid Discrepancy Reported	ATON Aids Verified	ATON Aid Discrepancy Reported
11NR – Div. 01									
113-03-05 SACRAMENTO	DUNCAN, JAMES B								2
	MACPHERSON, DOUGLAS W								
	113-03-05 SACRAMENTO								2
11NR – Div. 03									2
11NR – Div. 04									2
113-05-05 SONOMA COUNTY	KUBO, LARRY Y		1	1	1-1=0	1-1=0		5	4
	SUMNER II, WILFRED A		4	2	1-1=0	1	5-5=0		4-4=0
	113-05-05 SONOMA COUNTY		5	3	2-2=0	2-1=1	10-5=5		8-4=4
11NR – Div. 05	DIV. 5 ACUTAL NUMBERS		5	3	0	1	5		4
113-06-10 CAPITOLA FLOTILLA	SIMPSON, BRUCE		1	1					
	113-06-10 CAPITOLA FLOTILLA		1	1					
11NR – Div. 06			1	1					
113-08-11 CRESCENT CITY FLOTTILA	STEWART, GREGORY H							1	
	113-08-11 CRESCENT CITY FLOTILLA							1	
11NR – Div. 08								1	
11NR – Div. 10									
11NR – Div. 11									
113-12-01 EAST BAY	Trainee RHWADWAJ, RAJIV N							13	4
	SCHIMMELMAN, NANCY R						1		2
	113-12-01 EAST BAY						1		2
113-12-91 SAN RAMON VALLEY	KAKIHARA, STEVEN T								2-2=0
	LOSI, JAMES, G								2-1=1
	LUCHETTI, VIRGINIA								11-6=5
	113-12-91 SAN RAMON VALLEY								13-12=1
									4-3=1
									26-19=7
11NR – Div. 12	DIV. 12 ACTUAL NUMBERS						1	7	7
DISTRICT 113 TOTALS			6	16	2	3	50	24	
NO BRIDGE, ATON, PATON OR 7054 FIELD REPORT RECEIVED BY DSO-NS OR D11 (dpw) THEREFORE RECORDED AUXDATA RED NUMBERS ARE DUBIS.				0	-2	-2	-1	-24	-10
TRAINEES AUXDATA RED NUMBERS DON'T COUNT				0	-2	0	0	-13	-4
ACTUAL CORRECTED DISTRICT 113 TOTALS			6	12	0	2	13	18	

If you have any question contact DSO-NS for explanation!

4. 2018 NEW 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 **April 2, 2018**.

2018 DIVISIONAL, BRIDGE, ATON, & CHART UPDATING ACTIVITY SUMMARY REPORT

Div.	AIDS TO NAVIGATION ACTIVITY							Bridges Assigned				PATON's Assigned				AV PQS In Training	AV PQS
	Bridge	Bridge AUX Data <small>Lead only</small>	ATON	ATON AUX DATA <small>Lead only</small>	PATON	PATON NO Permit	PATON N AUX DATA <small>Lead only</small>	AOR	Check	% Done	Still to Do	AOR	Check	% Done	Still to Do		
1	4				4			4	4	100%	0	106	4	4%	102	3	8
3	18	6	2		3		2	15	15	100%	0	32	3	9%	29	0	4
4								2		0%	2	68		0%	69	0	2
5	11	8	1	4	25		18	11	11	100%	0	103	25	24%	78	1	4
6	2	2						2	2	100%	0	66		0%	66	1	2
8	1				4		1	1	1	100%	0	5	4	80%	5	1	0
10								9		0%	9	58		0%	58	1	5
11					1			0	0	0%	0	145	1	1%	138	0	3
12	2	4	1	1	40	18	36	8	2	25%	6	168	40	24%	128	1	8
Total	38	20	4	5	77	18	57	52	35	67%	17	745	77	10%	668	8	36
Total Aids to Navigation Reports								137	Total Members Submitting ATON & CU Reports →							18	
Uncorrected Aids to Navigation in AUXDATA								82	82 out of 137 Bridge/ATON reports showing up in AUXDATA →							60%	
Corrected Aids to Navigation AUXDATA Totals								51	51 out of 137 Bridge/ATON reports showing up in AUXDATA →							37%	
Total NOAA Chart Update 1/1/18 to 12/31/18								0	A= ATON, P= PATON, B=Bridges, U=Non-Permitted, 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.								
Total of all Navigation Systems Reports								137									

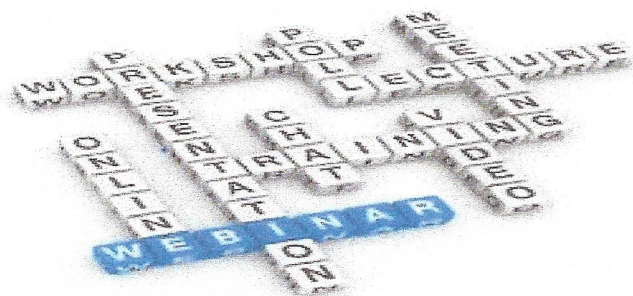
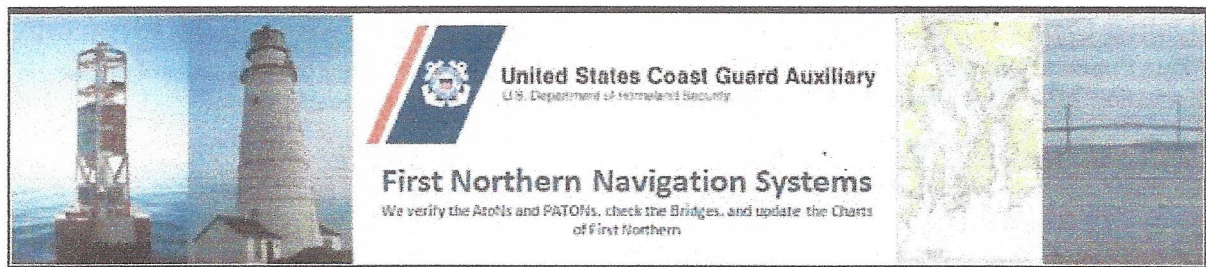
CHART & COAST PILOT UPDATE SECTION BELOW

Div.	2018 D11NR Chart Updating Year Jan 1, 2018 to Dec 31, 2018				2019 D11NR Chart Updating Year Jan 1, 2019 to Dec 31, 2019		
	CU Reports	2nd Ob	CU Reports		CU Reports	2nd Ob	CU Reports
1							
3							
4							
5							
6							
8							
10							
11							
12							
Total	0	0	0				

Total D11 CU Reports & Credits 1/1/18 through 12/31/18 → 0 0

- Note: **Red numbers above is the information from AUXINFO as of April 2, 2018 update.**
- **D11NR Chart Updating Year is from - January 1 through December 31 each year.**
- Note: The **Green number** under "2nd 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.

5. The D1N 2018 Aid Verifier Training Schedule:



The 2018 Aid Verifier Training Schedule

GETTING READY FOR A 2018 AV CHALLENGE?

INTRODUCTION This AV Training Program schedule will be very helpful to all District Eleventh Northern Aid Verifier-PQS students. All class starting times will be 5:00 PM Pacific Standard Time in Eleventh Northern. NOTE: There will be some subject that will not apply to the Eleventh Northern Auxiliary District. If you need help or have question or problems contact James B. Duncan, DSO-NS 11N.

The 2018 AV Training Program schedule is presented by First Northern District' Navigation Systems Team below. Open/CPN NOAA Charts are provided on line and all needed Coast Guard Nautical catalogs are linked on-line and are free. You can become a more skillful and knowledgeable navigator as the result of this specialized training.

The 2018 AV Training Schedule

The D1NR Navigation Systems 2018 training program continuing on **Tuesday, April 10th at 1700 (5:00PM PDT) on WebEX.** Expand your navigation experience by joining these Navigation Systems training sessions. There's room for 200 participants at each session. Recordings of each training session are maintained on the Navigation Systems Web Site for review by AVs and AVCs who unable to attend the live sessions.

AV TRAINING 6 – USING OPEN/CPN CHARTS WHEN VERIFYING A PRIVATE AID AND FOR CHART UPDATING PROJECTS.

Tuesday, April 10, 2018 @ 1700 to 1900 hrs. PDST.

Question and Answer Session on Training Session 5 Topics.

Presentation Topics:

Using Open/CPN Charts when verifying and checking Private Aids.

These free on-line charts can easily be maintained in a highly accurate state and offer the AV a series of on-line navigation tools to perform all of the required navigational tasks quickly and accurately.

Using Open CPN Charts for Chart Updating projects.

Special navigational techniques for performing Chart Updating are explained.

AV TRAINING 7 – HOW TO DOWNLOAD OPEN/CPN NOAA CHARTS – HOW TO UPDATE OPEN/CPN CHARTS ON YOUR PC.

Tuesday, April 24, 2018 @ 1700 to 1900 hrs.

Question and Answer Session on Training Session 6 Topics. Presentation Topics

How to download Open/CPN NOAA Charts onto your personal computer.

How to update your Open/CPN NOAA charts on your personal computer.

Homework Assignment:

Download the Open/CPN NOAA Chart package to your PC.

Read the Federal Regulations concerning Bridges and Bridge Lighting.

AV TRAINING 8 – REVIEW OF BRIDGE LIGHTING AND OTHER SAFETY EQUIPMENT – REPORTING BRIDGE SURVEYS TO THE CG.

Tuesday, May 8, 2018 @ 1700 to 1900 hrs.

Question and Answer Session for resolving download problems on Open/CPN Charts incurred trying to download Open/CPN NOAA Charts to your PC.

Presentation Topics

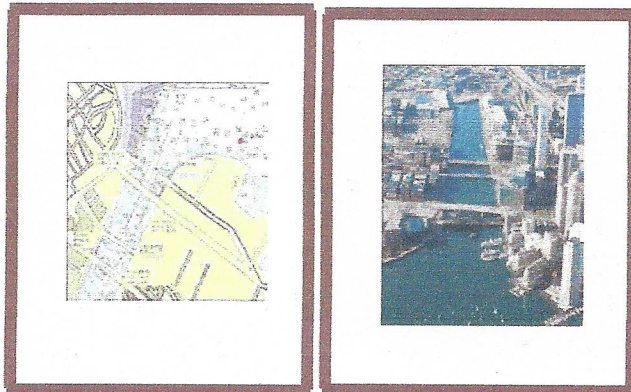
Understanding bridge lighting and safety equipment specifications.

Using the on-line Bridge Reporting System.

This on-line Bridge System is proprietary to First Northern Coast Guard Auxiliary AVs and is very similar to the on-line bridge system version used by the First Southern Coast Guard Auxiliary AVs. Most other Districts used paper reports manually prepared and mailed to the Coast Guard.

Homework Assignment

Log onto the on-line First District Bridge Systems and familiarize yourself with the various screens and their purpose before this training session.



***AV TRAINING 9 – UNDERSTANDING THE PREPARATION OF THE ON-LINE CG-7054 PATON REPORTING SYSTEM ON HARBORMASTER.**
Tuesday, May 22, 2018 @ 1700 to 1900 hrs. *NOTE: NOT USED IN D11

AV TRAINING 10 – AVC FINAL CHECK OFF UNDERWAY CHECK OFF – SIMULATION REVIEW

Tuesday, May 29, 2018 @ 1700 to 1900 hrs.

AV will pre-underway calibrate their GPS and Echo-sounder that will be used for the PATON Patrol. This activity is a prerequisite for the preparation of the ***“Accuracy Statement”*** that must be included with each CG-PATON Report that is generated on the PATROL.

AV will make assignments for the rest of the NS team aboard the vessel. Part of this briefing will be an explanation of the specific private aid verifications and rechecks that are scheduled on the Run Sheet being used for the Patrol. The following assignments will be reviewed:

- **Positioning plan.**
- **Depth plan.**
- **IALA-B Status of the Aid.**
- **Review of discrepancies observed on the private aid.**
- **Quality Control checks on reports.**

AV will brief the Coxswain as to the directions to the first PATON on the Run and the route that needs to be taken to complete the planned patrol in a complete and timely manner. Planned route should be presented and reviewed on a current NOAA Chart. Maneuvering and boat speed issues should be clarified with the coxswain at this time.

AV will direct the verification of a minimum or two laterals aid to navigation and record the required observations on a Run Sheet. Different types of private aids are desired – floating lateral – fixed lateral – regulatory – unauthorized, etc. AV should also perform a recheck of a private aid.

It is important that an AVC-Aid Verifier Candidate gets underway with qualified AVs before the final ***“AV Training 10 Session”*** in order to practice the verification and recheck and reporting process. They should schedule rides or plan some simulated events.

Being able to complete the AV Training Checklist shown at the end of this document will take a bit of practice. The DSO-NS can set up (on-shore) practice events in local areas as needed. AVCs need to take the initiative to arrange for facilities with Internet capability for this purpose.

More Important Advice for AVCs!

Don't underestimate the amount of effort that is required to become Aid Verifier Qualified. Instead, focus your attention on the navigation skills that you will receive from these training sessions. The actual act of verifying a private aid is fairly simple and quick. However, the background knowledge that is required can be burdensome but necessary. A quick method to attain this knowledge is to hang out with qualified and current AVs and participate with them on their Navigation Systems Patrols. Don't be afraid to ask questions. As your DSO-NS, I have been working with the Aid to Navigation

program for over thirty-three years and I still have to ask questions about situations that I run into in the field. We welcome every Auxiliarist to join with us in this worthy Coast Guard endeavor. We also understand that it takes a substantial effort to complete the AV Training. We will work with you to see you through the training and get you qualified. Much of you newly acquired skills will be honed by your activity and experiences in the field. *This support started on February 6th and is continuing on WebEX at 5:00 PM PST.*

Logging onto the WebEX Training

1. Go to the Navigation Systems Web Site @ www.uscgaan.com.
2. Click on the "WEBEX TRAINING" web page from the column at the left.
3. Follow the instructions in the Info Block.

To join the training session click on the link below
Note: Link is active at 1950 hours on day of presentation

Tuesday's WebEx Meeting

If prompted, password for webex is: uscg (all in lower case)

4. When the meeting is started [Check the instruction at the top right for message.], click on "JOIN."

D1N Navigation System Training 🔄

Tuesday, January 9, 2018 | 7:30 pm Eastern Standard Time (GMT-05:00) | 2 hours 30 minutes | ● Not started

Recurrence: Every Tuesday, from Tuesday, December 19, 2017, to Tuesday, December 25, 2018

Host: Frank Lucca [Add to my calendar](#)

[▶ More information](#)

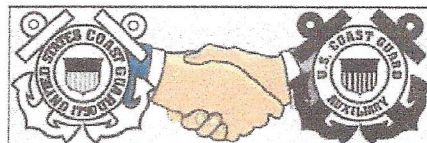
When it's time, join your meeting here.

If you are the host, [start your meeting](#).

By joining this meeting, you are accepting the Cisco WebEx [Terms of Service](#) and [Privacy Statement](#).

5. You will not be able to join until the Host logs on to the system (Starts the meeting). This will generally be approximately at around 4:30 PM PDT.
6. **NOTE: All times are Pacific Daylight Savings Time (PDT).**

Prepared by the First Northern Navigation Systems Staff. Submit questions to the DSO-NS at FrankJLarkin@verizon.net or ADSO-NS Michael Quinn at MichaelSQuinn@gmail.com



DATES OF CHART LATEST EDITION TABLE
In D11 Northern Region April 2, 2018

Chart No.	Chart Scale	Edition No.	Traditional Paper RNC Charts Edition Date	Last Correction Date from LNM Update from NOAA On-Line-Viewer & RNC & ENC Navigational Charts	
				LNM 12/18	3/20/2018
18600	196,948	15	Mar 2011	LNM 12/18	3/20/2018
18020	1,444,000	39	Jan 2012	LNM 12/18	3/20/2018
18010	811,980	22	Sep, 2012	LNM 12/18	3/20/2018
18022	868,003	36	Jun 2012	LNM 12/18	3/20/2018
18601	40,000	14	Feb 2007	LNM 12/18	3/20/2018
18602	40,000	13	Feb 2012	LNM 12/18	3/20/2018
18603	40,000	17	Mar 2012	LNM 12/18	3/20/2018
18605	15,000	13	Dec 2010	LNM 12/18	3/20/2018
18620	200,000	24	Feb 2012	LNM 12/18	3/20/2018
18622	25,000	56	APR 2016	LNM 12/18	3/20/2018
18623	40,000	12	Jan 2012	LNM 12/18	3/20/2018
18626	40,000	16	Dec 2012	LNM 12/18	3/20/2018
18628	10,000	9	Oct 2012	LNM 12/18	3/20/2018
18640	207,840	27	Oct 2015	LNM 12/18	3/20/2018
18643	30,000	18	Dec 2009	LNM 12/18	3/20/2018
18645	100,000	28	May 2013	LNM 12/18	3/20/2018
18647	40,000	16	Mar 2009	LNM 12/18	3/20/2018
18649	40,000	68	Jun 2013	LNM 12/18	3/20/2018
18650	20,000	58	Jan 2017	LNM 12/18	3/20/2018
18651	40,000	45	Dec 2013	LNM 12/18	3/20/2018
18652 SC	40,000:80,000	36	CANCELLED	2017	2017
18653	20,000	12	Oct 2012	LNM 12/18	3/20/2018
18654	40,000	45	Jan 2012	LNM 12/18	3/20/2018
18655	10,000	59	Oct 2006	LNM 12/18	3/20/2018
18656	40,000	56	Aug 2010	LNM 12/18	3/20/2018
18657	10,000	19	Nov 2005	LNM 12/18	3/20/2018
18658	10,000	31	Sep 2007	LNM 12/18	3/20/2018
18659	10,000	16	Jan 2012	LNM 12/18	3/20/2018
18660	20,000	3	Sep 2005	LNM 12/18	3/20/2018
18661 SC	40,000	30	Mar 2009	LNM 12/18	3/20/2018
18662 SC	40,000	22	May 2009	LNM 12/18	3/20/2018
18663	20,000	6	Apr 2006	LNM 12/18	3/20/2018
18664	20,000	12	Aug 26, 2000	LNM 12/18	3/20/2018
18665	40,000	11	Aug 2004	LNM 12/18	3/20/2018
18666	10,000	1	Nov 24, 2001	LNM 12/18	3/20/2018
18667	20,000	12	Aug 26, 2000	LNM 12/18	3/20/2018
18680	210,668	32	May 2013	LNM 12/18	3/20/2018
18682	20,000	15	APR 2016	LNM 12/18	3/20/2018
18685	50,000	34	Sep 2012	LNM 12/18	3/20/2018
18686	40,000	13	Jul 17, 1999	LNM 12/18	3/20/2018
18700	216,116	22	Jul 2003	LNM 12/18	3/20/2018
Coast Pilot	Volume 7	2018	2018 New Edition	Last Corrected through 3/25/2018	
D11 CG Light List Weekly Updates	Volume 6	2018	Updated weekly	Last Corrected though LNM 13/18 -- Dated 3/28/2018	

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