



U.S. Coast Guard Auxiliary

District 113

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

2019-05-113 DSO-NS Report/Bulletin

Date: JUNE 3, 2019
 From: D113 DSO-NS
 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 Report/Bulletin Ending May 30th

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

Additional copies can be downloaded at:

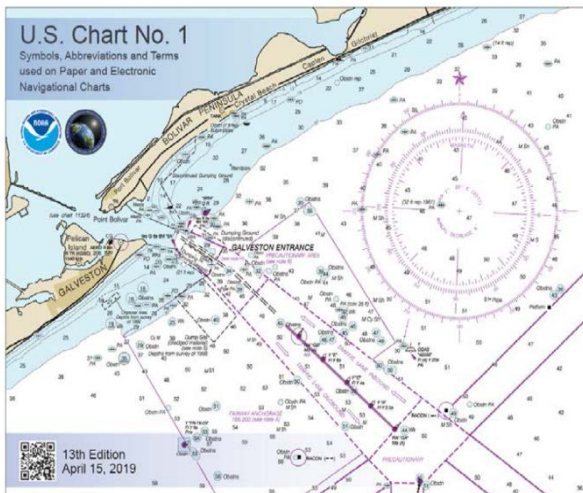
<http://wow.uscgaux.info/content.php?unit=113&category=navigation-systems-1>

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1. New U.S. CHART NO. 1, Edition 13th, Dated April 15, 2019: This 130-page **Chart No. 1** book describes the symbols, abbreviations, and terms used on paper NOAA nautical charts and for displaying NOAA electronic navigational chart (NOAA ENC®) data on Electronic Chart Display and Information Systems (ECDIS). The document also shows paper chart symbols used by the National Geospatial-Intelligence Agency (NAGA) and symbols specified by the International Hydrographic Organization.

Summary of Significant Changes in the 13th Edition of U.S. Chart No. 1



In the back of U.S. Chart 1, there is additional information about the characteristics and appearance of buoys conforming to the IALA Maritime Buoyage System that is used by the United States and most other seafaring nations.

Some of the changes implemented in U.S. Chart No. 1, Edition 13 are shown on the following page. 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 13, dated April 2015, supersedes all previous editions of U.S. Chart No. 1. This new **Edition 13, dated April 15, 2019** is **free** at:

<https://nauticalcharts.noaa.gov/publications/us-chart-1.html>

2. Bridge Survey Reports Were Completed on Time: Bravo Zulu to all the 2019 Bridge Surveyors!!! D11(dpw) Bridge had set the end of May for all 2019 Bridge Survey Reports be completed and returned to them by the end of the May. 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 did it again this year with 100% on time and under budget. Again, I would thank all Aid Verifiers for a job well done.

3. 2019 NAVIGATION SYSTEMS AUXINFO REPORT AS OF JUNE 2nd:

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

Cube last refreshed on Sunday June 2, 2019									
ATON-Aids to Navigation (30, 31, 32)	11NR – Eleventh Northern	All Facilities	All Unit Locations	All Activities	CY 2019	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 – ATON/Chart Update (30)		PRIVATE – Private Aids to Navigation (3)	
				ATON Bridge Verified	ATON Bridge Discrepancy	ATON Aids Verified	ATON- Aid Discrepancy Reported	PATON Aids Verified	PATON - Aids Discrepancy Reported
113-01-04 CENTRAL MARIN	PAZ, CAROL H						17	4	
113-01-07 POINT BONITA	FRY, SUE K						6		
113-01-09 COYOTE POINT	BLANCHARD, TERRY M		4				25		
113 - DIV 01			4				48	4	
113-03-03 GOLD COUNTRY	HOLTZMAN, TOMMY W		2	1					
113-03-05 SACRAMENTO	DUNCAN, JAMES B		1	3		2			
113 - DIV 03			3	4		2			
113-05-03 NORTH SOLANO COUNTY	DERFUSS III, LEWIS C			6				2	
	MCCORMICK, RANDEL			6				2	
	WATERS, MARK G			6				2	
113-05-05 SONOMA COUNTY	Lewis, Mark J (Trainee)			2					
	SUMNER II, WILFRED A		4	4				110	
113 - DIV 05			4	24				116	
113-06-10 CAPITOLA FLOTILLA	SIMPSON, BRUCE			2					
113 - DIV 06				2					
113—08-11 CRESCENT CITY FLOTILLA	STEWART, GREGORY M			1				1	
113 - DIV 08				1				1	
113-12-01 EAST BAY	SCHIMMELMAN, NANCY R						7	1	
	SWIFT, FRANK R						1	10	
113-12-91 SAN RAMON VALLEY	Gleeson, Gregory, A (Trainee)						9	19	
	LUCHETTI, VIRGINIA						9	42	
113 - DIV 12							26	72	
113 RAW UNCORRECTED AUXDATA INFORMATION			11	31	0	2	74	193	
AUXDATA PROBABLE INPUT ERRORS MADE, NOT AV-POS				2			9	19	
113 ESTIMATED CORRECTED AUXDATA INFORMATION			11	29	0	2	65	174	
DSO-NS Note: Only CG Unit Requested Verification of an ATON may be entered in this column!									

Just note that if you have not reported your NS activity (7030) to the FSO-IS or they have not entered your NS activity correctly into AUXDATA it will not appear.

4. REVIEW OF COAST GUARD BUDGE MODEL- USING 2016 AS AN EXAMPLE:

OVERVIEW

- Coast Guard Budget for 10/1/15 to 9/30/2016 is \$6.82 Billion.
- Auxiliary's Share of the budget is \$17.8 Million.
- The general funds are reallocated to the 16 Districts based on total membership and the amount of Coast Guard support reported.
- District funding is supervised and administered by the DIRAUX.
- Funds are released on a quarterly basis after review of activity at CGHQ
- Allocation of funds can be shifted depending on need from units to units depending on activity.
- In this case units equate to Districts since DIRAUX has overall responsibility of funds.
- DIRAUX allocates funds to Divisions and Flotillas for support with orders, equipment and training

REALITY

Imagine all the money sitting in piles, each District has one, and at the beginning of each quarter they are released to the units. Before the release, activity is reviewed and, if necessary, funds can be shifted from one pile to another. The shifting is based on the needs for the next quarter.

EXAMPLE

District X due to membership and activity has a share of the budget totally 1 million dollars. For whatever reason the activity dipped below the prior quarter. At the same time District Y who has a smaller membership and less activity, has a share of the budget totally \$850 thousand. Due to an increase of activity, District Y has revived itself and reported an increase in activity. It now needs more money to continue on its presence course. Since District X did not perform as expected. Funds can be shifted from District X to support District Y.

HOW ACTIVITY IS DETERMINED

We all know the question to this question. HQ reviews AUXDATA to assess quarterly mission support submitted by Districts. Both Mission support activity (reported on Form 7030) and the Mission Worksheet (Form 7029) are reviewed.

This is the reason IS Officers are preaching get your activity recorded every 90 days and why report must be submitted in same time period. Reporting after, only increased activity but not safety of funds. It is so important to future of your units to have this paperwork completed in a timely manner. Most members are not aware of budgetary procedures and education is paramount if you want to continue getting FULL Coast Guard support.

Therefore, I'm repeating item 5 again because it's so important. So please fill out your 7030 & 7029 forms for your Navigation Systems Activity and submit them promptly to your FSO-IS or SO-IS.

5. Best Practices Reporting in D11 Navigation Systems Activity into AUXDATA

There seems to be a great deal of confusion on how to report your **Navigation Systems (NS)** activity: ATONs, PATONs and Bridges. As a result, we are noticing that many Aid Verifiers are not making 7030 reports. Hopefully, this document will guide you through a few easy steps for reporting on and off the water NS activity whether performed under orders and/or on your personal time.

Important rule: All patrol missions are entered by the Coxswain within the online Resource: AUXDATA Order Management (AOM) web form and all members receive credit for being underway regardless of the boat mission(s) (01A, 02, 03 etc.). The Coxswain is the only crew member to submit an AOM report for ordered mission. You cannot report any activity on this report, or the reports submitted via AOM. Each AV-PQS must submit their own ANSC 7030 Activity Report Mission Individual Report to your FSO-IS in order to get their NS activity recorded in AUXDATA.

A. Reporting Aid Verifier's Individual activity performed under orders:

Once the patrol has ended, it is time for each participating AV-PQS, to fill out their own SEPARATE Individual 7030 for the NS mission(s) you've just completed. Note that members without AV-PQS qualification cannot report Navigation Systems activity that is restricted only to members who are currently qualified and certified as AV-PQS. Follow these steps:

1. When possible, use the National email forms as they will only allow you to fill out the specific section relevant to the mission you've selected. The link:

<http://forms.cgaux.org/email/a7030s.pdf>

2. For AV-PQS activity performed while on an authorized patrol, the "start time" must be any time AFTER your reported patrol times. The reason for this is that AUXDATA cannot handle you in two places at the same time period. Mission times cannot overlap in AUXDATA.

For example, if you're Mission 01A-Maritime Observation (MOM) or 03-Navigation Systems Patrol ended at 1500 hours start your Individual 7030-report time at 1515 and terminate when you've completed all your Navigation Systems reports. The total time that you report includes the time after the patrol for preparing reports that you submit to the D11 (dpw) through DSO-NS.

3. When reporting Navigation System mission activity, each Auxiliarist must report their own individual activity. Only one person's name goes on the Individual 7030 report.

4. When reporting your mission activity, be sure to fill out the proper ATON, PATON or Bridge section on the 7030

[See Example #1 below on page 7.](#)

First example, if you're reporting Bridge activity- select Mission 32 because you are only entering the number of Bridge Discrepancies" and "Bridges Watching Properly fields

We have been noticing that AUXDATA is containing errors with bridges reported under Aids and Aids under bridges etc... Please check AUXINFO occasionally and verify that what all your submitted reports are being entered correctly.

5. Specific Navigation System activity can only be reported once by any Auxiliarist. For example: Two members go out on patrol and check a total of 10 items whether they are aids or bridges. Assuming the proper qualification, each member could submit an Individual 7030 showing 5 buoys each for a total of ten items being reported. Never enter 10 aids for each member because AUXDATA report would erroneously show 20 aids checked.

6. Fill in **LOCATION** of mission and **OPCON**. The Coast Guard tracks the different Operational Control (**OPCON**) centers. Our OPCON is usually Sector San Francisco (**11-37270**) that is responsible for the aids or bridges in the Eleventh Coast Guard District.

7. List the aids or bridges you checked in the comments section and indicate if they were discrepant or watching properly. This is an option.

8. You may submit multiple NS missions on the 7030. It is very important that the categories match up with the activity described in step 3 above. [See EXAMPLE #2 below on page 8.](#)

Second example, if you're reporting multiple mission activity on the same day, select Mission 30, 31, 32. Make sure to enter the proper numbers for each mission type "ATON, PATON & BRIDGE in to the "Discrepant" field and "Watching Properly" field.

B. Reporting ATON Activity while on your own time:

1. Did you know that you can get AUXDATA credits if you casually perform NS activity while out on your boat or car on your own time? For example, you casually come upon an aid or bridge discrepancy while on a pleasure trip with your family.

2. Prepare a **Unit/Individual** 7030 Activity Report and report the **TOTAL** activity time portal to portal you spent on the mission along with the all prep time, travel field time and completing reports. You can report your total time fully because you are not double reporting; the total time you report should include the time spent preparing reports that you submitted to the D11 (dpw).

C. Checking your Division, Flotilla & Individual Navigation Systems Activity in AUXINFO: (No password needed)

1. Go to http://uscgaan.com/aton_auxdata_information.htm and click on **D11**

➤ Click on D11 NS Activity

First Northern Navigation Systems
We verify the Atofs and PACTOs, check the Bridges, and update the Charts of First Northern

CG Business Intelligence - AUXILIARY

Click on the following links, then drill down to your Division, Flotilla then member to see your statistics for 2012.
NOTE:==> If there was no activity for a Division, flotilla or member it will not appear
Be patient... Some of the links below take a few minutes to load.

First Northern Links

- [D11 NS Activity](#)
- [AV Qualified](#)
- [AUX Info Root](#)
- [D11 NS Activity](#)

[ONLINE 7030](#) - Report your ATON work!
[ONLINE 7029](#) - Report your ATON training!

- In the heading you're see **11NR-Eleventh Northern** and correct year (**CY 20xx**).
- All submitted & entered Navigation Systems 7030 information is shown.
- Under your name you will see your Navigation Systems Activity that is in AUXDATA

Just note that if you have not reported your NS activity (7030) to the FSO-IS or they have not entered your NS activity correctly into AUXDATA it will not appear.



EXAMPLE #1 with single NS mission entered below

Rev008

Clear All entries

DEPARTMENT OF HOMELAND SECURITY U.S. COAST GUARD ANSC-7030 (9-10)	U.S. COAST GUARD AUXILIARY ACTIVITY REPORT - MISSION	Division 03 Flotilla 05 MISSION DATE DDMMYY 04MAR19					
SECTION I TYPE OF RESOURCE <input type="checkbox"/> Air <input type="checkbox"/> Boat <input type="checkbox"/> Radio <input checked="" type="checkbox"/> Unit/Individual							
SECTION II TIME & MISSION							
Always record START TIME, START MISSION, and FINISH TIME. (See MISSION list on page 3.) Use change boxes if mission changes. See instructions. Elapsed Time: 4.5							
	START	Change 1	Change 2	Change 3	Change 4	Change 5	FINISH
Clear > TIME	1530						1958
MISSION	32 ▼	▼	▼	▼	▼	▼	
SECTION III ACTIVITY LOG DETAILS							
Location: Walnut Grove, CA Area				OPCON 11-37270 ▼			
<i>PATROL MISSIONS ONLY</i>							
<i>SAR ASSISTS ONLY</i>							
ATON	ATON Discrepancies		PATON Discrepancies		Bridge Discrepancies	3	
	ATONS Watching Property		PATONS Watching Property		Bridges Watching Property	1	
SECTION IV CREW ASSIGNMENTS							
	Member ID	Last Name and Initials	Trainee				
LEAD	1 1 2 3 4 5 6	AUXILIARIST, J	---	<i>PE End-of-Course ONLY</i>			
2			<input type="checkbox"/>				
3			<input type="checkbox"/>				
4			<input type="checkbox"/>				
5			<input type="checkbox"/>				
6			<input type="checkbox"/>				
7			<input type="checkbox"/>				
8			<input type="checkbox"/>				
9			<input type="checkbox"/>				
SECTION VI REMARKS							
Surveyed 4 bridges for the annual bridge surveys. 1. Tyler Island#05-D, 2. Georgiana Slough#04-D, 3. Miller Ferry#48-WP, & Walnut Grove#37-D Use Member Activity Log (ANSC-7029) for missions not reported on VE (ANSC-7038), RBSVP(ANSC-7046) or this form and for Travel & Prep time previously reported on this form.							
Date submitted	05MAR19	JIM AUXILIARIST			Report number	1913	
Submitting Member Name (print)							

Previous edition may be used until supply is exhausted. COPY 2 - FSO-IS

11.023E11.02 PRINT ... ✓

EXAMPLE #2 with multiple NS mission entered below

Clear All entries
Rev008

DEPARTMENT OF HOMELAND SECURITY U.S. COAST GUARD ANSC-7030 (9-10)	U.S. COAST GUARD AUXILIARY ACTIVITY REPORT - MISSION	Division 03 Flotilla 02 MISSION DATE DDMMYY <div style="border: 1px solid black; padding: 2px; text-align: center;">04MAR19</div>					
SECTION I TYPE OF RESOURCE <input type="checkbox"/> Air <input type="checkbox"/> Boat <input type="checkbox"/> Radio <input checked="" type="checkbox"/> Unit/Individual							
SECTION II TIME & MISSION Always record START TIME, START MISSION, and FINISH TIME. (See MISSION list on page 3.) Use change boxes if mission changes. See instructions.							
<div style="border: 1px solid red; padding: 1px;">Clear</div> TIME	START	Change 1	Change 2	Change 3	Change 4	Change 5	FINISH
1530	1745	1910					1958
MISSION	32 ▾	31 ▾	30 ▾	▾	▾	▾	
SECTION III ACTIVITY LOG DETAILS Location: Walnut Grove, CA Area OPCON 11-37270 ▾							
PATROL MISSIONS ONLY							
SAR ASSISTS ONLY							
ATON	ATON Discrepancies	1	PATON Discrepancies	6	Bridge Discrepancies	3	
	ATONS Watching Properly		PATONS Watching Properly	2	Bridges Watching Properly	1	
SECTION IV CREW ASSIGNMENTS							
LEAD	Member ID	Last Name and Initials	Trainee				
	1 2 3 4 5 6	AUXILIARIST, J	—				
2			<input type="checkbox"/>				
3			<input type="checkbox"/>				
4			<input type="checkbox"/>				
5			<input type="checkbox"/>				
6			<input type="checkbox"/>				
7			<input type="checkbox"/>				
8			<input type="checkbox"/>				
9			<input type="checkbox"/>				
SECTION VI REMARKS Surveyed 4 bridges for the annual bridge surveys. 1. Tyler Island#05-D, 2. Georgiana Slough#04-D, 3. Miller Ferry#48-WP, & Walnut Grove#37-D							
Use Member Activity Log (ANSC-7029) for missions not reported on VE (ANSC-7038), RBSVP(ANSC-7046) or this form and for Travel & Prep time previously reported on this form.							
Date submitted	05MAR19	JIM AUXILIARIST	Report number	1913			
Submitting Member Name (print)							
Previous edition may be used until supply is exhausted.							

5. 2019 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 **MAY 20, 2019**.

2019 DIVISIONAL, BRIDGE, ATON, & CHART UPDATING ACTIVITY SUMMARY REPORT

Div.	AIDS TO NAVIGATION ACTIVITY							Bridges Assigned				PATON's Assigned				2019 AVPQ In Training	A V - P Q S
	Bridge	Bridge AUX Data <small>Lead only</small>	ATON	ATON AUX DATA <small>Lead only</small>	PATON	PATON NO Permit	PATON AUX DATA <small>Lead only</small>	AOR	Check	% Done	Still to Do	AOR	Check	% Done	Still to Do		
1	4	4	1		71		37	4	4	100%	0	103	70	68%	33	2	7
3	20	7	3	2				15	15	100%	0	32		0%	32	0	4
4	2				6			2	2	100%	0	68	6	9%	62	0	2
5	14	28			7	110	116	11	11	100%	0	103	7	7%	96	2	7
6	2	2			7	1		2	2	100%	0	66	7	11%	59	0	3
8	1	1			3		1	1	1	100%	0	5	4	80%	1	1	1
10	9				35			9	9	100%	0	57	35	61%	22	1	6
11								0	0	100%	0	144		0%	144	2	7
12	8				82		98	8		100%	0	181	77	43%	104	3	9
Total	60	42	4	2	212	111	267	52	42	100%	0	759	206	27%	553	11	45

Total Aids to Navigation Reports	387	Total Members Submitting ATON & CU Reports in 2019 →	24
Total Aids to Navigation in AUXDATA*	311	311 out of 389 ATON & CU reports showing up in AUXDATA →	80%
Total Chart Updating	2	B= Bridges, A= ATON, P= PATON, U= Unauthorized, CU=Chart Updates, CP-Coast Pilot CUC = Chart Update Points (Stop Gap) = 26 CUP awarded by D113 DSO-NS for each confirmation of a Report you recently submitted via NOAA -Office of Coast Survey Error System.	
Total ATON & Chart Updating	389		

Note: **Red** numbers above is the information from AUXINFO as of **JUNE 2, 2019** update

CHART & COAST PILOT UPDATE SECTION BELOW

Div.	2019 D11NR Chart Updating Year Jan 1, 2019 to Dec 31, 2019				2020 D11NR Chart Updating Year Jan 1, 2020 to Dec 31, 2020		
	CU Reports	2nd Ob	CUC (26)		CU Reports	2nd Ob	CUC (26)
1							
3	0 - 2		52				
4							
5							
6							
8							
10							
11							
12							
Total	0 - 2		52				

➤ Total D11 CU Reports & Credits 1/1/2019 through 12/31/2019 **2** **52**

➤ See **2019 NAVIGATION SYSTEMS INDIVIDUAL ACTIVITY AUXINFO REPORT** Page 2

➤ **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.

6.

DATES OF CHART LATEST EDITION TABLE

In District 113, June 2, 2019

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 19/19	05/07/2019
18602	40,000	13	Feb 2012	LNM 19/19	05/07/2019
18603	40,000	17	Mar 2012	LNM 19/19	05/07/2019
18605	15,000	13	Dec 2010	LNM 19/19	05/07/2019
18620	200,000	24	Feb 2012	LNM 19/19	05/07/2019
18622	25,000	56	APR 2016	LNM 19/19	05/07/2019
18623	40,000	12	Jan 2012	LNM 19/19	05/07/2019
18626	40,000	16	Dec 2012	LNM 19/19	05/07/2019
18628	10,000	9	Oct 2012	LNM 19/19	05/07/2019
18640	207,840	27	Oct 2015	LNM 19/19	05/07/2019
18643	30,000	18	Dec 2009	LNM 19/19	05/07/2019
18645	100,000	28	May 2013	LNM 19/19	05/07/2019
18647	40,000	16	Mar 2009	LNM 19/19	05/07/2019
18649	40,000	68	Jun 2013	LNM 19/19	05/07/2019
18650	20,000	58	Jan 2017	LNM 19/19	05/07/2019
18651	40,000	45	Dec 2013	LNM 19/19	05/07/2019
18652 SC	40,000:80,000	36	CANCELLED		
18653	20,000	12	Oct 2012	LNM 19/19	05/07/2019
18654	40,000	45	Jan 2012	LNM 19/19	05/07/2019
18655	10,000	59	Oct 2006	LNM 19/19	05/07/2019
18656	40,000	56	Aug 2010	LNM 19/19	05/07/2019
18657	10,000	19	Nov 2005	LNM 19/19	05/07/2019
18658	10,000	31	Sep 2007	LNM 19/19	05/07/2019
18659	10,000	16	Jan 2012	LNM 19/19	05/07/2019
18660	20,000	3	Sep 2005	LNM 19/19	05/07/2019
18661 SC	40,000	30	Mar 2009	LNM 19/19	05/07/2019
18662 SC	40,000	22	May 2009	LNM 19/19	05/07/2019
18663	20,000	6	Apr 2006	LNM 19/19	05/07/2019
18664	20,000	12	Aug 26, 2000	LNM 19/19	05/07/2019
18665	40,000	11	Aug 2004	LNM 19/19	05/07/2019
18666	10,000	1	Nov 24, 2001	LNM 19/19	05/07/2019
18667	20,000	12	Aug 26, 2000	LNM 19/19	05/07/2019
18680	210,668	32	May 2013	LNM 19/19	05/07/2019
18682	20,000	15	APR 2016	LNM 19/19	05/07/2019
18685	50,000	34	Sep 2012	LNM 19/19	05/07/2019
18686	40,000	13	Jul 17, 1999	LNM 19/19	05/07/2019
18700	216,116	22	Jul 2003	LNM 19/19	05/07/2019
Coast Pilot	Volume 7	51	2019 New Edition With (72 COLREGS)	Last Corrected through 06/02/2019	
D11 CG Light List Weekly Updates	Volume 6	2019	Updated weekly	Last Corrected though LNM 22/19 – Dated 05/29/2019	

James B. Duncan

D113 DSO-NS