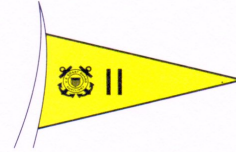


# UNITED STATES COAST GUARD AUXILIARY

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OFFICE OF THE  
DISTRICT STAFF OFFICER  
NAVIGATION SYSTEMS

TO: Dean McFarren, COMO District 11N  
Curtis Han, District Chief of Staff 11N  
District 11 North Board & Staff

CC: ADSOs-NS  
AV-PQS

FROM: Michael Hay, DSO-NS

DATE: April 9, 2021

## **Highlights:**

- Bridge surveys and PATON verifications underway.
  - There are 50 bridges to survey and 768 PATONs to verify.
- Embedded personnel return to CSTA Alameda, Waterways Management, dpw
- Prepared training materials for IATONIS db work
- Finished draft National priority to re-vamp the CG 7054 form – field testing underway.

## **Details:**

- 28 of 50 bridges (56%) have been surveyed to date.
- 132 of 768 PATONs (17%) have been verified thufar.
- Responding to queries, further material distribution and requests for help
- IATONIS – Integrated Aids to Navigation Information Systems database used by the Coast Guard for Private Aids to Navigation information and tracking – Auxiliarists have to be trained in the usage of this old system – materials have been developed to Add a Class III PATON, and then Add Local Notice to Mariner updates and Charting by NOAA for Class I and Class II PATONs. Training will commence in April.
- Conducted numerous discussions regarding:
  - Use of Sharepoint at dpw in conjunction with new Access db
  - Priorities for dpw work
  - Transmitting work back and forth with IATONIS
  - Completed rewrite of National form CG 7054 and specifically authoring instructions – conducted field testing of proposed form
  - Training assistance
- Two charts below:
  - Divisional bridge, P/ATON and Chart Updating Summary Table
  - AUXDATA II Navigation Systems Codes 30, 31, and 32 Reports

## Divisional bridge, P/ATON and Chart Updating Summary Table

**Note: Work completions have been received post the preparation of this chart. Results will be displayed on next month's chart.**

DIVISIONAL 2021, BRIDGE, ATON, & CHART UPDATING SUMMARY TABLE														Mar	1	2021
Div.	AIDS TO NAVIGATION				BRIDGES				Private Aids				Aid Verifiers			
	B	A	P	U	AOR	Check	%	NotCheck	AOR	Check	%	NotCheck	Trainee	PQS		
1			1		2		0%	2	104		0%	104	3	6		
3	16				15	14	93%	1	32		0%	32	0	3		
4					2		0%	2	68		0%	68	0	2		
5			6		11		0%	11	103	6	6%	97	1	8		
6	2		1		2	2	100%	0	68	1	1%	67	1	3		
8		2			1		0%	1	6		0%	6	3	1		
10					9		0%	9	54		0%	54	0	4		
11					0		NA	0	144		0%	144	1	8		
12					8		0%	8	189		0%	189	4	7		
<b>Total</b>	<b>18</b>	<b>2</b>	<b>8</b>	<b>0</b>	<b>50</b>	<b>16</b>	<b>32%</b>	<b>34</b>	<b>768</b>	<b>7</b>	<b>1%</b>	<b>761</b>	<b>13</b>	<b>43</b>		
Total Aids to Navigation					28				Number of members submitting an ATON or CU Reports					9		
Total Chart Updating 1/1/21 to 12/31/21					0				A=ATON, P=PATON, U=Unauthorized, B=Bridge							
Total ATON/CU Activity					28				C=Chart Update, CP=Coast Pilot Update, CCP=Charting Credit Points							
AUXDATA II 2021 Bridge & ATON Activity					1-Mar 2021				CHART UPDATING SUMMARY TABLE				MAR 1 2021		Type	
AUXDATA II 2021 Bridge & ATON Activity					Div.				113 Jan 1 to Dec 31, 2020				113 Jan 1 to Dec 31, 2021		Reports	
					AIDS TO NAVIGATION				All NS Activities						2021	
					BV BD AD PV PD											
1									1							
3					1 15											
4																
5									5 1							
6									2							
8									2							
10																
11																
12																
<b>Total</b>					<b>1 17 2 5 1</b>				<b>AUXDATA</b>				<b>0 0 0</b>		<b>2021</b>	
<b>Total</b>					<b>1 17 2 5 1</b>				<b># Member submitting NOAA-Coast Survey Report-ASSIST</b>				<b>0</b>		<b>0</b>	
<b>Total Aids to Navigation</b>					<b>26</b>				<b>93%</b>				<b>Total</b>		<b>0 0 0 0 0 0</b>	
															<b>RC=26</b>	

## AUXDATA II Navigation Systems Codes 30, 31, and 32 Reports

**Note: Work completions have been received post the preparation of this chart. Results will be displayed on next month's chart.**

Unit Number ↑	Activity Duration	Mission Code	Last Name	First Name	Position	ATON, PATON or Bridges WP	ATON, PATON, or Bridge D
1130104	5	31 PATONs	FORTNER	JOHN	LEAD	3	0
	5	31 PATONs	PAZ	CAROL	LEAD	25	2
1130109	1	31 PATONs	BLANCHARD	TERRY	LEAD	2	2
1130305	3.1	31 PATONs	DUNCAN	JAMES	LEAD	4	2
	4.4	32: BRIDGE	DUNCAN	JAMES	LEAD	0	3
	3.7	32: BRIDGE	DUNCAN	JAMES	LEAD	0	3

	2.5	32: BRIDGE	DUNCAN	JAMES	LEAD	0	1
	3	32: BRIDGE	MACPHERSON	DOUGLAS	LEAD	1	3
1130505	1	30: FED NAV	SUMNER	WILFRED	LEAD	0	1
	4	31 PATONs	SUMNER	WILFRED	LEAD	5	1
	4	31 PATONs	SUMNER	WILFRED	LEAD	8	2
	3	31 PATONs	SUMNER	WILFRED	LEAD	2	5
	4	31 PATONs	SUMNER	WILFRED	LEAD	0	50
1130610	2	32: BRIDGE	SIMPSON	BRUCE	LEAD	0	2
1130807	1	30: FED NAV	MACKENZIE_ MORRIS	HELEN	LEAD	1	0
	1	30: FED NAV	NILSON	STEPHEN	NON LEAD	1	0
<b>Total</b>	Sum	<b>47.7</b>				<b>52</b>	<b>77</b>

### District Projects:

- **Completed:** Produce PATON sheets for distribution to AV personnel for 2021 PATON verifications.
- **Completed:** Produce electronic copies of PATON sheets and bridge sheets for 2021 verifications and surveys.
- **Underway:** Transition DSO role from Jim Duncan to Mike Hay
- **Completed:** Embed personnel at dpw and secure system access

### Challenges/Obstacles/Opportunities:

- COVID limiting impact on conducting bridge surveys and PATON verifications. Thusfar, it has not been hampering operations.

### Agency Interaction:

- Bob Bain (FL57) and Michael Hay (FL57) both returned to work at CGSTA Alameda, Waterways Management, dpw commencing in March 2021
- Bain and Hay secured all necessary system access credentials in order to work on Coast Guard Systems, specifically, IATONIS.
- Jim Duncan is working with CGSTA Rio Vista to provide Aids to Navigation Training during their April 10, 2021 Boating Season Kick-Off Training on April 10, 2021.
- Entered all completed PATON inspections into IATONIS – District 11 is 5.8% completed for 2,375 total PATONs

### Goals & Objectives:

- 100% surveys of 50 bridges for 11N – *Work underway*
- 100% verifications of 768 PATONs for 11N – *Work underway*
- **Completed:** Produce and distribute electronic bridge survey sheets for 50 bridges in 11N by the end of January
- **Completed:** Produce and distribute 2273 electronic and printed PATON sheets for both both 11N & 11S by mid-February.
- Create an Access db to support record keeping, PATON information access and processes for dpw at CGSTA Alameda – *Work Underway*
- Actively support development of new national 7054 form – *Draft completed, field testing*

Note/Disclaimer: In recognition of COVID impacts, it is understood that 100% completion is a stretch goal for 2021. Consequently, priorities have been established to complete surveys and verifications in the following order: Bridges, Class I, Class II and then Class III PATONs

**Photos:**

None

**NAV NOTES:**

*Excerpted from Sail Magazine, Blind Faith: Sailing in Fog, by Charles Doane, Mar 22, 2021*

Of all the superpowers today's sailors wield thanks to modern electronics, being able to sail in fog with impunity is certainly one of the most useful. GPS navigation and electronic charts have been around long enough now that there is an entire generation of mariners who have never experienced the heart-shriveling fear of becoming lost in what we New Englanders traditionally term "a thick o' fog." Nor have they experienced the immense satisfaction of not getting lost in fog while navigating the old-fashioned way. As legendary yachting journalist Alf Loomis once said: "If you enter the harbor without mishap you are so pleased with yourself that it will be advisable for friends to avoid you for a while."

Those old enough to recall such sensations will also certainly recall the process—devising routes to link together as many audible nav aids as possible; dead reckoning blindly from one such nav aid to the next, heart-in-mouth; making hopeful guesses as to how badly the current might be setting you; studying charts for useful contour lines to follow with your leadline or depthsounder; sounding a horn or ringing a bell every two minutes, then listening carefully for a response, ears quivering.

More recently, thanks to the advent of AIS transceivers <electronic navigation>, which allow us to not only know where we are but where most everyone else is as well, sailing in fog has actually become...well, if not exactly relaxing, certainly even less intimidating. . . .

*Ever felt this queasiness/unease? The article goes on, however, the point is, what are you doing to sharpen your navigation skills and be up to date with new technologies that will lessen the intimidation feelings you might have . . . if you need some advice and counsel on the latest give us a call, we can help.*