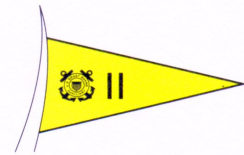


UNITED STATES COAST GUARD AUXILIARY

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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: September 9, 2021

Highlights:

- Bridge surveys and PATON verifications underway.
 - There are 50 bridges to survey and 773 PATONs to verify.
- Embedded at CSTA Alameda, Waterways Management, dpw
- Seasonal push to achieve bridge survey and PATON verification goals

Details:

- 48 of 50 bridges (96%) have been surveyed to date. We have completed the Bridge survey period due date of May 31, 2021 – two remaining bridges to survey.
- 464 of 773 PATONs (60%) have been verified thus far. PATON verifications are due September 30, 2021.
- We are currently working on the backlog of Class II/III PATON permits and additions.
- Conducted numerous discussions regarding:
 - Training on usage of Access db to enhance usage
 - Refining new digitized processes
 - Enhancing Access db for usage by dpw and auxiliary
 - Permit application process refinement
 - Use of task assignment capability

- Two charts below:
 - Divisional bridge and PATON Tables
 - AUXDATA II Navigation Systems Codes 30, 31, and 32 Reports

Divisional Work Completion Tables:

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

DIVISIONAL 2021, BRIDGE, ATON, & CHART UPDATING SUMMARY TABLE														Sept	1	2021		
Div.	AIDS TO NAVIGATION				BRIDGES				Private Aids				Aid Verifiers					
	B	A	P	U	AOR	Check	%	NotCheck	AOR	Check	%	NotCheck	Trainee	PQS				
1	4		140	2	2	2	100%	0	105	88	84%	17	1	7				
3	17	3	33	14	15	15	100%	0	32	24	75%	8	0	3				
4					2	2	100%	0	69	43	62%	26	0	1				
5	13	1	95	4	11	11	100%	0	102	93	91%	9	0	7				
6	3	2	57		2	2	100%	0	69	57	83%	12	1	3				
8	1	16	3		1	1	100%	0	5	3	60%	2	0	1				
10	9		40		9	9	100%	0	54	40	74%	14	0	6				
11			46		0		NA	0	145	45	31%	100	1	8				
12	6		73		8	6	75%	2	192	71	37%	121	4	7				
Total	53	22	487	20	50	48	96%	2	773	464	60%	309	7	43				
Total Aids to Navigation					582				Number of members submitting an ATON or CU Reports				32					
Total Chart Updating 1/1/21 to 12/31/21					0				A=ATON, P=PATON, U=Unauthorized, B=Bridge									
Total ATON/CU Activity					582				C=Chart Update, CP=Coast Pilot Update, CCP=Charting Credit Points									
AUXDATA II 2021 Bridge & ATON Activity					1-Sep	2021	CHART UPDATING SUMMARY TABLE				Sept	1	2021	Type				
AUXDATA II 2021 Bridge & ATON Activity					AUXDATA	Div.	113 Jan 1 to Dec 31, 2020		113 Jan 1 to Dec 31, 2021		Reports		0	CUP	Reports	0	CUP	2021
1	BV	BD	AD	PV		PD												
1	1	3		105		58												
3	2	14	1	14		40												
4																		
5	8	4	5	51		90												
6		4		14		2												
8	2	1	16	2		1												
10				21		35												
11				29		16												
12	2			22		34												
Total	15	26	22	258		276							0	0	0	0	0	0
Total Aids to Navigation						597	103%	Total	0	0	0	0	0	0	0	0	0	RC=26
														# Member submitting NOAA-Coast Survey Report-ASSIST		0		

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.

	Trainee	PQS	# Missions in AuxData II	Hrs in AuxData II
1	1	7	14	38.5
3	0	3	16	42.1
4	0	1	0	0
5	0	7	19	60
6	1	3	5	14
8	0	1	18	17.2
10	0	6	2	15
11	1	8	4	28
12	4	7	3	10
Total	7	43	81	224.8

Note: 1 Trainee has completed her PQS and has been submitted for PQS Certification

Divisional Activity:

Division 1:

- Flotilla 12 has completed assigned PATONS
- Flotilla 14 has completed assigned PATONS
- Flotilla 17 reports of completion of SF Waterfront PATONS with day and night observations. Numbers to follow shortly.
- Flotilla 19 reports of completion of PATONS along SF Waterfront.

Division 3:

I have attached the following Navigation Systems Activities for CY 2021 Report as of 1 September.

1. Year to Date for DIVISIONAL 2021, BRIDGE, ATON, & CHART UPDATING SUMMARY TABLE.
 - a. (Aid Verifiers TAB 1 & Divisional Summary Table TAB 2 at bottom-left of screen)
2. Year to Date for Divisional & Member AUXDATA II activity.

3. Year to Date for 113 MASTER PATON & Bridge & Divisional all types of Aid activity.

Division 5:

Napa Flotilla 52 – FSO-NS Report for August 2021.

- Position vacant.
- One member had planned to attend the Aids to Navigation Verifier Class at the September PCA Fair. Unfortunately, the PCA Fair was cancelled due to the Covid-19 Pandemic status.

Respectfully Submitted, Glenn Hunter

Flotilla 5-3

- nothing to report [Respectfully Submitted, Mark Waters IPFC](#)
- Nothing to report. We are planning to complete remainder of PATONS on or about 11 Sept (Lew Derfuss)

Flotilla 5-5 Navigation Systems Report August

- On Training patrol Aug. 8th in Bodega Bay, visually checked Atons and Patons in Bay and harbor. Nothing to report. Respectfully submitted, Larry Kubo

Flotilla 5-7 NS report for August

- All bridges in District 11 North surveyed except for 6 assigned to Division 12
- Of the 102 PATON's assigned to Division 5, 89 have been verified.
- Division 5 has submitted 7054 forms for 4 non-permitted aids.
- Work at CGI continues one day per week.

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
- ***Underway:*** Capture backlog (due to COVID absences) of IATONIS entries at dpw

National Interaction:

- Currently BC-PNP for Navigation Systems
- All quiet post C school – still awaiting new 7054 approval

Challenges/Obstacles/Opportunities:

- With Phase III upon us, Covid impacts of operations appear to be minimalized.
- Weather, as in, air quality, severely hampering outdoor activities (e.g. PATON verification) in Lake Tahoe area.

Agency Interaction:

- District 11 N/S has completed 22% of 2,383 overall PATONs.
- Added 10 new PATONs to district stable
- Bob Bain (FL57) and Michael Hay (FL57) area both working weekly at Waterways Management (dpw) as PATON Administrations.
- Backlog of Class II/III PATONs in progress – making headway

Goals & Objectives:

- 100% surveys of 50 bridges for 11N – *Work underway – 48 of 50 completed*
- 100% verifications of 773 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 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, seeking approval through National command for later distribution.*

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:](#)

Sunsetting NOAA raster nautical charts has started

Lake Tahoe Chart # 18665 – Cancelled, August 2021

the 1:40,000 scale, Chart 18665 of Lake Tahoe was selected as the first chart to be canceled as part of the raster sunset program.

Sunsetting is a term that refers to purposely and systematically phasing out a product or service.

In 2019, NOAA announced its [Sunsetting of Raster Nautical Charts](#) in the Federal Register. The raster sunset program will gradually end production and maintenance of NOAA traditional paper and raster nautical chart products. Beginning in 2021, NOAA will start canceling its traditional nautical charts. The process is expected to be completed by January 2025.

[What specific products and services will be canceled?](#)

- [Paper nautical charts](#) – Printed and distributed through NOAA's certified print-on-demand (POD) chart agents. These are the traditional charts that have been published by NOAA and the Coast Survey for over 170 years. Mariners using paper nautical charts must apply U.S. Coast Guard (USCG) Local Notices to Mariners (LNM) and National Geospatial-Intelligence Agency (NGA) Notices to Mariners (NM) corrections by hand to keep their paper charts up to date.

Other NOAA raster products, based on the paper chart images, will also be canceled when the corresponding POD chart is canceled. These are:

- [Raster navigational charts \(NOAA RNC®\)](#) – Full-size, geo-referenced, digital images of NOAA paper nautical charts. These are sometimes referred to as “BSB format” charts and are compatible with some electronic chart display systems. BSB are the initials of each of three companies that were part of a NOAA cooperative research and development agreement that developed the format.
- [Full-size nautical chart PDF images](#) – Full-size, geo-referenced, digital images of NOAA paper nautical charts in Adobe Portable Document Format (PDF).
- [BookletCharts™](#) – Reduced-size replicas of POD charts, which have been divided into a dozen or more 8.5”x11” pages.

Three raster data related services will also be shut down as part of the raster sunset program. These services will be sustained as raster charts start to be canceled, but as more charts are removed, the patchwork nature of the available data will eventually limit the utility of the services and they will be taken down.

- [RNC Tile Service](#) – Standardized nautical chart tilesets, derived from BSB format NOAA RNC® data. These are geo-referenced charts compatible with the Web Map Tile Specifications (WMTS) and Tile Map Service Specification (TMS).
- [Seamless Raster Navigational Chart Services](#) – Family of services that incorporate RNCs into a unified, collarless (chart margins removed) mosaic, which displays only those charts appropriate for the viewing scale and map extent requested.
- [RNC Viewer](#) – Online viewer that provides a seamless display of raster chart images.