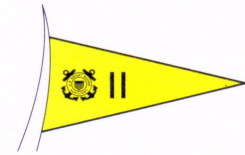


UNITED STATES COAST GUARD AUXILIARY

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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: November 8, 2021

Highlights:

- Bridge surveys and PATON verifications underway.
 - There are 50 bridges to survey and 780 PATONs to verify.
- Use of Sector SD for Embedded at CSTA Alameda, Waterways Management, dpw work
- Overall excellent results for year

Details:

- 50 of 50 bridges (100%) have been surveyed to date. We have completed the Bridge survey period due date of May 31, 2021.
- 545 of 780 PATONs (75%) have been verified thus far. PATON verifications due date was September 30, 2021. This is a great result given Weather conditions, asset availability and personnel retirements/hesitancy due to covid that have all contributed to challenging goal obtainment.
- DPW has started work on adding backlog of Class II PATONs
 - Installed 8 new Class II PATONs in Humboldt Bay
 - Refining new digitized processes
 - Enhancing Access db for usage by dpw and auxiliary
 - Working on backlog of PATON verification entries

- 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.

DISTRICT 113 2021 VERIFIICATIONS THROUGH					11/2/2021		
Work Area	Work Area Description	Aid Total	Total "WP"	Total "D"	Total Not Verified	Total Verified	Inspect %
0.01	West SF Bay	109	45	44	20	89	82%
0.02	East SF Bay	146	39	54	53	93	64%
0.03	Sacramento River Area	32	17	15	0	32	100%
0.04	South SF Bay	68	23	45	0	68	100%
0.05	San Pablo to Suisun Bay	113	53	50	10	103	91%
0.06	North Pacific Coast	69	54	8	7	62	90%
0.08	North Coast	6	2	1	3	3	50%
0.09	New York Slough & West Delta	37	23	6	8	29	78%
0.10	San Joaquin River Area	55	14	26	15	40	73%
0.11	Lake Tahoe	145	17	9	119	26	18%
TOTALS		780	287	258	235	545	75%

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

Note: These are all the people that have generously donated their time to the Auxiliary and AV/NS program for 2021. Their efforts are sincerely appreciated.

1481R/MS-Division - Florida	NAME	Certified Aids Verifiers	Qualification & Certification Date	AUXDATA BRIDGES				PATON		Unpermitted		Sub Total Actual Checks	GRAND TOTAL ACTUAL VERIFIED	Sub Total AUXDATA 7/30 REPORTS
				B	A	FEDRAL	AUXDATA PATON	P	U	P	U			
01-02	Robert J Golden	1	2016					31		30	31	155	30	
01-02	Stephen Straw	T								30	0	0	30	
01-02	Cassandra S Mani	T									0	0	0	
01-04	Carol H. Paz	1	2017					28	1	27	29	145	27	
01-04	Mary L. Kirkwood	1	2017					3		3	3	15	3	
01-04	Paula J. Russo	1	2017								0	0	0	
01-04	John C. Fortner	T	2020					3		3	3	15	3	
01-07	Sue K. Fry	1	2017					5		6	5	25	6	
01-07	Mary C. Stephens	1	2021	2	2			16		15	18	90	17	
-01-09	TERRY M. BLANCHARD	1	2015	2	2			92	1	92	95	475	94	
	DPW - NEWLY ADDED		2021	0		0		1	0	0	1	5	0	
		7		4	4	0	0	179	2	206	184	920	210	
-03-05	JAMES B. DUNCAN	1	2012	7	7	1	1	24		23	32	160	31	
-03-05	Douglas W. MacPherson	1	2017	5	5			10	13	31	28	140	36	
03-10	FRED BLACK	1	2013	5	5			9	1	10	15	75	15	
03-10	Jiff fife					1					1	5	0	
03-05	John Hardin					1					1	5	0	
		3		17	17	3	1	43	14	64	77	385	82	
-04-06	ROBERT R. WHITEHEAD	1	2016								0	0	0	
											0	0	0	
		1		0	0	0	0	0	0	0	0	0	0	
-05-03	MARK G WATERS	1	2019					2			2	10	0	
-05-03	Randy McCormick	1	2019	1	1			16		13	17	85	14	
-05-03	LEWIS C DERFUSS III	1	2019	5	5			17		13	22	110	18	
-05-05	LARRY Y KUBO	1	2016	1				2			3	15	0	
-05-05	WILFRED A SUMNER II	1	2012	6	5	1	5	40	3	89	50	250	99	
-05-07	MICHAEL D. HAY	1	2012					2		2	2	10	2	
-05-07	Robert K Bain	1	2018		1			26	1	24	27	135	25	
		7		13	12	1	5	105	4	141	123	615	158	
-06-04	Bard K Mansager	T	2020								0	0	0	
-06-10	BRUCE SIMPSON	1	2013	2	4	1		14		13	17	85	17	
-06-10	Brian J O'Mara	1	2018					32		32	32	160	32	
-06-10	Wallace A Smith	1	2016	1		1		23			25	125	0	
		3		3	4	2	0	69	0	45	74	370	49	
-08-08	Philip T Mammano	1		1	3			3		3	4	20	6	
-08-08	Gary R Jolley	T									0	0	0	
-08-07	Stephen Nelson	A				6	6				6	30	6	
-08-07	Madeleine Brink	A									0	0	0	
-08-07	Helen Mackenzie-Morris	A				7	7				7	35	7	
-08-07	Jennifer Lewis	T				3	3				3	15	3	
		1		1	3	16	16	3	0	3	20	100	22	
-10-03	Monica Eaton	1	2016								0	0	0	
10-03	TOMMY HOLTZMAN	1	2015								0	0	0	
-10-06	Richard S. Myers	1	2016	9				40		56	49	245	56	
-10-06	DONALD A RUSSELL	1	2017								0	0	0	
-10-06	DONALD L PIERCE	1	2017								0	0	0	
-10-06	Roderick M Rollins	1	2017								0	0	0	
		6		9	0	0	0	40	0	56	49	245	56	
-11-01	BRUCE W THEE	1	2013					12		12	12	60	12	
-11-03	Roger D Haynes	1	2018					34		33	34	170	33	
-11-03	Peter H Rast	1	2018								0	0	0	
-11-03	Tom D Temkin	T	2018								0	0	0	
-11-03	William A Yawn III	1	2019								0	0	0	
-11-04	Bruce M Cole	1	2018								0	0	0	
-11-04	James L Snell	1	2018								0	0	0	
-11-04	Bruce K Martin	1	2018					10		10	10	50	10	
-11-04	Dana M Englekirk	1	2018								0	0	0	
		8		0	0	0	0	56	0	55	56	280	55	
-12-01	Gary A Kaplan	T									0	0	0	
-12-01	FRANK R. SWIFT	1	2016								0	0	0	
-12-91	LINDA R HAYNES	1	2012	2	2			23			25	125	2	
-12-91	Stephen C. Busch	1	2017	6				62		48	68	340	48	
-12-91	Stanley C Douglas	1	2015								0	0	0	
-12-91	Gregory A Gleeson	T									0	0	0	
-12-91	Steven T. Kakiyara	1	2018								0	0	0	
-12-91	JAMES G. LOSI	1	2018					10		10	10	50	10	
-12-91	Virginia Luchetti	1	2014					44		44	44	220	44	
-12-91	Peter C Todebush	T									0	0	0	
-12-91	Richard W Pizio	T									0	0	0	
	DPW - NEWLY ADDED		2021					2			2	10	0	
		7		8	2	0	0	141	0	102	149	745	104	
	TOTALS	43		55	42	22	22	636	20	672	733	3665	736	
	2021 SO-NS			B	B	A	A	P	U	P/U	AST	VT		
	Chart Update = 26 points													

Divisional Activity:

Division 1:

- All PATON and BRIDGE verification sheets have been completed for Division 1
- BZ to AV team for completing all verifications and surveys and for major assists in Division 4 and 12..

Division 3:

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

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.
4. Also provided an Interim report for personnel activity for the year.

Division 5:

- Flotilla 5-5 Navigation Systems Report October
 - I passed my crewman check ride this weekend at Bodega Bay at Flotilla 5-5 Optrex. By requalifying, I can participate in future patrols to check Nav Aids by boat.
 - Volunteered aboard USCGC GEORGE COBB buoy tender during Fleet Week. This vessel is used to maintain AtoNs. I served as a “Safety Officer” among civilian guests.
 - My fellow flotilla AV inspector, Wil Sumner, is moving out of state, so I will be the only AV for the flotilla going forward. Respectfully submitted, Larry Kubo

Flotilla 5-7

Work Area	Work Area Description	AIDS TOTAL	AIDS VERIFIED	VERIFIED %
Division 5	San Pablo to Suisun Bay	103	103	100%

- Congratulations and a big thank you to all for completing 100% of all aids submitted for verification in our work area (0.05/Division 5)) in 2021.
- We continue to record verifications still arriving from other work areas throughout the district.
- DPW has expanded my work capabilities by allowing me to telework for most of the duties I perform at Coast Guard Island.

- Our team includes Mike Salsman, Michael Hay and Jim Duncan. We look forward to wrapping up a successful 2021 and look forward to 2022.

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 – Backlog of Class III PATONs completed.

National Interaction:

- Demoed new Access db “PATON Verification db” for USCG Research team to help kick off new Research program for standardizing (to the extent possible) PATON verification process for both the Coast Guard and the Auxiliary
- Continued working on planning for 2022 NS C Schools -currently projecting August class to be held at CGSTA Alameda – initiated planning for August class.

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 100% of Class I, 45% of Class II and 27% of Class III verifications for 2021.
- Added 8 new PATONs to district stable
- Bob Bain (FL57) and Michael Hay (FL57) area continue working weekly at Waterways Management (dpw) as PATON Administrations. Bob Bain now, currently has VDI access from home for IATONIS access.
- Backlog of Class II PATONs in progress – making headway

Goals & Objectives:

- **COMPLETED:** 100% surveys of 50 bridges for 11N – *Work underway – 50 of 50 completed*
- 100% verifications of 780 PATONs for 11N – *completed 75% fpr the year*
- **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, seeking approval through National command for later distribution.
- Actively support planning for National C Schools for 2022. Actively support planning for CGSTA Alameda class, Aug 2022.
- Actively supporting CG Research team on improving PATON verifications processes and procedures for both the Coast Guard and the Coast Guard Auxiliary

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 (completed), Class I (completed), Class II and then Class III PATONs

Photos:

None

NAV NOTES:

The Future of NOAA Charts (& RNC Cancellations)

The Issue

With the retirement of RNC charts occurring now through 2025, Auxiliarists need to keep themselves apprised of what updated chart products are still acceptable.

Previously we considered RNC paper charts our primary navigational chart source. But with the advent of robust Electronic Chart Systems (ECS, chart-plotters) for recreational craft in the last decades, many Districts have been transitioning to ECS for their on-water navigation requirements.

Now that NOAA is actively retiring the RNC paper charts, there will be locations where an RNC paper chart will be obsolete. They should not be used for on-water operations or on NS missions. (One could make the case for continuing to use outdated charts for MT and PE activities as long as the presenters make it clear that the materials are obsolete and only being used for training purposes).

The last new edition of an RNC chart was Nov., 2020. Between now and the RNC Chart retirements, only LNM-worthy corrections are being applied to RNC products by the Print-On-Demand Vendors. (In contrast, the ENC data files are updated weekly.)

Updated Chart Information

Although a few ECS apps have the ability to download the NOAA ENC data file every week, most units being purchased by members only have the ability to sign-up for annual updates. In those cases, the facility owner should keep themselves apprised of the chart changes through NOAA's chart changes link/s: <https://nauticalcharts.noaa.gov/charts/chart-updates.html>

ECS Back-up

After the transition from RNCs, it is my recommendation **if** a coxswain or facility so desire, they consider including a separate device (i.e., a tablet) in addition to their boat’s ECS. This completely independent system essentially parallels one of the requirements for vessels having carriage requirements (cargo ships, tankers, etc.)

Paper Products, Post RNC Retirement

NOAA is in conversation with several Print-On-Demand (POD) Vendors about their plans to create a paper chart from ENC data files. The progress for this effort will be discussed in upcoming NOAA webinars in late 2021 and early 2022. These products would be considered “certified” by NOAA. But presently, the certification addresses colors, paper stock, position registration,.. but does not include which ENC attributes need to be included. It is crucial that we keep ourselves updated on NOAA’s progress with POD Vendor products.

Timing Issues

Although the actual retirements just started, it will speed up soon.

<u>Date</u>	<u>District</u>	<u>area (/chart no.) affected</u>
Aug 2021:	D11N, Div11:	Lake Tahoe (18665; already dropped lists)
Dec.29/21:	D9C	9 Lake Superior (14962-68, 14873,76)
Feb-Mar/22:	D17	29 N Slope/W Alaska (16041-16124)
Apr/2022:	D11N&S,	27 charts across the country

Note: District 11 charts will be impacted again April 2022.