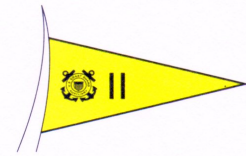


UNITED STATES COAST GUARD AUXILIARY

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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: May 4, 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
- Training on usage of IATONIS for MAC/Ds (Move, Adds, Changes & Deletes of PATONs)
- Initiated the beginnings of updating all the National C School PATON training materials

Details:

- 31 of 50 bridges (62%) have been surveyed to date. Bridge surveys are due May 31, 2021
- 165 of 769 PATONs (22%) 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 are being trained to make Moves, Adds, Changes and Deletes to the PATON system of record for the Coast Guard.
- Conducted numerous discussions regarding:
 - Priorities for dpw work
 - Catching up with backlog of work at dpw
 - Transmitting work back and forth with IATONIS
 - Completed rewrite of National form CG 7054 and specifically authoring instructions – conducted field testing of proposed form – now seeking approval up the chain prior to distribution.

- Beginning a new project with Coast Guard Research Team, New London, CT regarding the methodologies of doing PATON work by district.

- 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

DISTRICT 113 2021 VERIFIICATIONS THROUGH					4/1/2021		
Work Area	Work Area Description	Aid Total	Total "WP"	Total "D"	Total Not Verified	Total Verified	Inspect %
0.01	West SF Bay	113	29	3	81	32	28%
0.02	East SF Bay	163	0	0	163	0	0%
0.03	Sacramento River Area	33	6	0	27	6	18%
0.04	South SF Bay	71	0	0	71	0	0%
0.05	San Pablo to Suisun Bay	113	34	23	56	57	50%
0.06	North Pacific Coast	69	28	5	36	33	48%
0.08	North Coast	6	0	0	6	0	0%
0.09	New York Slough & West Delta	37	0	0	37	0	0%
0.10	San Joaquin River Area	55	14	26	15	40	73%
0.11	Lake Tahoe	145	0	0	145	0	0%
98.1	Bridges NORCAL	52	0	4	48	4	8%

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

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.

Activity Log: Mission Code equals 30: FED NAV SYSTEMS,31: PRIVATE NAV SYSTEMS,32: BRIDGE NAV SYSTEMS

Unit Num	Activity Mission Start	Activity Duration	Mission Code	Last Name	First Name	Member I	Positi	WP	D
1130104	3/12/2021 3:30 AM	5	31: PRIV	FORTNER	JOHN	3006973	LEAD	3	0
	3/12/2021 3:30 PM	5	31: PRIV	PAZ	CAROL	1162951	LEAD	25	2
	4/1/2021 1:00 PM	2	31: PRIV	KIRKWOOD	MARY	1194863	LEAD	2	1
1130109	3/8/2021 12:00 PM	1	31: PRIV	BLANCHARD	TERRY	1164733	LEAD	2	2
1130305	3/24/2021 10:44 AM	3.1	31: PRIV	DUNCAN	JAMES	1176233	LEAD	4	2
	4/29/2021 9:00 AM	2.6	31: PRIV	DUNCAN	JAMES	1176233	LEAD	0	8
	2/16/2021 11:08 AM	4.4	32: BRID	DUNCAN	JAMES	1176233	LEAD	0	3
	2/18/2021 4:45 PM	3.7	32: BRID	DUNCAN	JAMES	1176233	LEAD	0	3
	2/24/2021 5:30 PM	2.5	32: BRID	DUNCAN	JAMES	1176233	LEAD	0	1
	2/28/2021 6:00 PM	3	32: BRID	MACPHERSON	DOUGLAS	1248239	LEAD	1	3
	4/5/2021 9:00 PM	1	32: BRID	MACPHERSON	DOUGLAS	1248239	LEAD	0	1
1130503	3/16/2021 12:00 PM	4	31: PRIV	MCCORMICK	RANDEL	1231405	LEAD	1	3
	3/16/2021 4:00 PM	4	31: PRIV	DERFUSS	LEWIS	1146596	LEAD	0	4
	3/30/2021 12:00 PM	7	31: PRIV	MCCORMICK	RANDEL	1231405	LEAD	7	0
	3/31/2021 6:00 PM	5	31: PRIV	DERFUSS	LEWIS	1146596	LEAD	1	4
	3/31/2021 6:00 PM	5	31: PRIV	MCCORMICK	RANDEL	1231405	LEAD	1	4
	4/5/2021 6:00 PM	5	32: BRID	MCCORMICK	RANDEL	1231405	LEAD	3	2
1130505	3/20/2021 10:00 PM	1	30: FED	SUMNER	WILFRED	1214285	LEAD	4	1
	1/17/2021 11:00 AM	4	31: PRIV	SUMNER	WILFRED	1214285	LEAD	5	1
	3/13/2021 10:30 AM	4	31: PRIV	SUMNER	WILFRED	1214285	LEAD	8	2
	3/21/2021 9:00 PM	3	31: PRIV	SUMNER	WILFRED	1214285	LEAD	2	5
	3/23/2021 1:00 PM	4	31: PRIV	SUMNER	WILFRED	1214285	LEAD	0	50
1130610	2/1/2021 4:00 PM	2	32: BRID	SIMPSON	BRUCE	1175532	LEAD	0	2
1130807	1/8/2021 9:00 AM	1	30: FED	MACKENZIE_MORRIS	HELEN	3004158	NON L	1	0
	1/8/2021 9:00 AM	1	30: FED	NILSON	STEPHEN	1219960	LEAD	1	0
1131006	3/13/2021 10:00 AM	7.5	31: PRIV	MYERS	RICHARD	1233285	LEAD	7	15
	3/27/2021 10:00 AM	7.5	31: PRIV	MYERS	RICHARD	1233285		14	20
Total		98.3						92	139

Divisional Activity:

Division 1:

- Flotilla 12 PATON Richardson Bay verifications planned during or after summer.
- Flotilla 14 reports 3 Paradise Beach swim buoys, 1 discrepant, 2 verified and a recheck of Mc Nears Beach Swim buoys reset, 4 now on scene instead of 3
- Flotilla 17 Bridges will be verified late April or May. PATONS verified by November 2021
- Flotilla 19 will complete Bridges and PATONS as Covid restrictions relax.

Division 3:

- Completed 100% of Bridge surveys.
- Completed 42% of PATON verifications.

Division 5:

- Completed PATON verifications in Tomales Bay
- Completed PATON verification in Bodega Harbor
- Tomales State Park and Horshoe Bay PATON verifications being planned

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:

- With Phase III imminent, Covid impacts of operations appear to be minimized.

Agency Interaction:

- Bob Bain (FL57) and Michael Hay (FL57) area both working weekly at Waterways Management (dpw) as PATON Administrations.
- Bain and Hay secured all necessary system access credentials in order to work on Coast Guard Systems, specifically, IATONIS.
- Entered all completed PATON inspections into IATONIS – District 11 is 6.2% 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:](#)

Posted by NOAA:

ENCs 1st:

NOAA's Office of Coast Survey maintains a suite of over 1,000 NOAA electronic navigational charts (ENC) and paper nautical charts, and like many other chart producing nations, maintains an ENC focused production process called "ENC-first." That is, ENCs are the "first" or primary nautical product, and new data is compiled onto ENCs before all other products.

NOAA ENC® data was originally created by digitizing paper nautical charts – starting in the early 1990s – but ENCs are now considered NOAA's primary nautical chart product. NOAA's production process is now reversed. That is, new source data and critical corrections are compiled into NOAA's ENC production database first and the compiled portrayal of that data is subsequently applied to the corresponding paper charts and their associated digital raster products. This sequential compilation process ensures the consistent equivalent portrayal of data between ENCs and paper nautical charts.

Because new chart source data is applied to ENCs first, there can be a delay of a month or more before the same information appears on paper nautical charts and their raster chart equivalents. This is a characteristic of the standard production process. This enables NOAA to provide the public with updated information as early as possible – in ENCs. Strict synchronization of ENC and raster products would require holding back the release of updated ENCs to enable the paper charts to catch up. Releasing ENCs first is in the best interest of safe navigation.

To reinforce the new nature of our nautical chart products in the ENC-first chart production environment, NOAA has started to place a note on all paper nautical charts that will encourage nautical chart users to take advantage of the benefits of using ENCs.