

ONE-HALF OF THE SEASON FOR VERIFYING AND CHECKING PRIVATE AIDS IS OVER! RESET YOUR PRIORITIES FOR AUGUST AND SEPTEMBER!

June and July represent half of the field time that we had to perform our Coast Guard assigned field work and it is now over. The end of July represents 50% of the time to get underway to meet our 2017 Annual assignments. This is your annual challenge. We have only two months to go in 2017 to accomplish our assigned Coast Guard objectives.

It is important to understand that Navigation Systems provides a multi-faceted program each year that breaks down into five main priorities.

PRIORITY 1 - Annual Private Aid Verifications. This program has a four month window for completion. 40.5% have been verified to date in 2017. Two months are gone. Here is the latest status by Division.

DIV	ASSIGNED	REPORTED	TO GO	PERCENT
1	42	16	26	61.9%
2	114	53	61	53.5%
3	109	19	90	82.5%
4	70	13	57	81.4%
5	38	38	0	100%
6	85	4	81	95.2%
7	188	92	96	51.1%
11	405	210	195	48.2%
12	79	14	65	82.2%
ΓΟΤΑΙ	. 1,130	458	672	59.5%

Make the aids that are scheduled for verification your number one priority for the next two months. We need volunteers to assist us with Divisions 3, 4 and 12 due to their lack of qualified AVs. We would like a boat out of Division 11 to assist with the Division 12 aids. We are planning for a Division 5 NS Team to assist with Division 4. Division 3 is currently a problem. We have no identified resources to handle it at this

time. All other Division need to make their schedule aids for verification their main focus and clean them up as fast as possible. We have a good chance to get one-third of these aids done by counting the rechecks that have already been reported. Remember! That if we don't get these scheduled aids verified, the local CG ANT will have to do them for us. . . . not an acceptable option!!!

PRIORITY 2 - Yearly Private Aid Rechecks This category of aids reflect problems that were reported in prior years that have not been corrected in Harbormaster. It is always desirable to get these aids rechecked as early in the season as possible. 49.5% have been rechecked so far in 2017. We are doing a better job getting private aid owners to correct deficiencies this year. *However, these reports have to take second fiddle to the scheduled PATON verifications in Priority 1.* [The Owners and the Coast Guard have been notified of these discrepancies.] Note that recheck information can be found on the Run Sheets only.

PRIORITY 3 - Annual Bridge Survey Plan. Bridges may be surveyed all year round with focus on the Spring months. **64.7%** of the Bridges have been surveyed to date in 2017. *We have until December 31 to finish up the bridges.* The annual plan is to survey every bridge.

PRIORITY 4 - The Private Aid Photo Program. Only 6.0% of the assigned photos have been reported. Photos must have a low priority for the next two months. Auxiliarists do not have to be AV qualified to photograph private aids. This is a good fill-in activity for regular operational patrols. Run sheets showing that aids that need photos are available from the DSO-NS by e-mail at www.uscgaan.com.

PRIORITY 5 – "Unauthorized Aid" Program. It is important to identify these aids and report them to the Coast Guard. **42.7%** of the unauthorized private aids have been identified or converted to permitted PATONs. The bulk of this activity has been initiating from Division 1 in Maine. **This work can be done all year round so give it a low priority during the next two months.**

The First Northern Master Schedule

Copies of the 2017 Master Schedule showing the latest detail for all five priorities is attached to this Newsletter. The summary page is on the next page. This gives you the latest status of each Run in your Division which flags for you what is left to do.

Copies of run sheets are available by e-mail from the DSO-NS at FrankJLarkin@verizon,net. Time is of the essence. Get underway as soon as possible to clean up the Priority One PATONs in your Division. Volunteer to handle problems in other Divisions if you have completed your own Division.

Check out how your Division is responding to their 2017 assignments.

2017 NAVIGATION SYSTEMS SUMMARY STATUS BY AUX DIVISION As of 7/31/2017 - Half Time DIVISION DRIORITY ONE TWO TOTAL JULY ACTIVITY - Unfortunately we lost the skill and leadership of Nancy Plunkett. Nancy Division 1 209 42 35 77 is in Georgia handling family matters and will not be back this season. Thankfully we have ANT SWH Completed 16 6 22 Fred Herman to handle matters with the PATON Program. We got him a new GARMINmaps **SNENE** 26 29 55 Qty to go 78s GPS and put together a plan for him and set him loose in Maine. He is very positive % Completed 38.1% 17.1% 28.6% about getting the job done. I urge the Div 1 Staff to give him every bit of support possible JULY ACTIVITY- AV's hit the 51.0% half-time objective for the PATON Program. We Division 2 244 114 35 149 want to submit a "Shout Out" to BM1 Daniella Caruso at ANT South Portland for her ANT S PORT Completed 76 incredible support of the Division 2 program. Many persistent problems are getting fixed this year. According to ADSO Billy Thornton, the Division 1 program looks good for **SNENE** 73 Qty to go 61 12 acheiving 100% completion in 2017. 40% of the bridges have been surveyed to date. 46.5% 65.7% 51.0% % Completed JULY ACTIVITY - The HMRAP Run for the Parker River in Newbury was successful and this Division 3 218 138 109 109 Run is 100% completed. There is no activity currently planned in any of the other 7 Runs in ANT BOS Completed 19 this Division. Only 8.7% of the 2017 schedul has been completed and there are no qualified AVs in this area. We need for some qualified AVs to step up and SBOS Qty to go 90 109 199 make these runs. Unless, we hear some noise from Division 3, there 0.0% 8.7% % Completed is a good chance they will not make their 2017 objectives JULY ACTIVITY - Ken Wilson, the POC from the Palmer Cover YC has completed his Run. Division 4 91 70 1 71 Otherwise, there have been no response from Division 4. An NS Team from Boston was ANT BOS Completed 13 13 going to try to get up there last week, but I haven't heard if they were sucessful. Tony Silvestri has had some personal issues and has not been able to be active in the past few SBOS Qty to go 57 1 58 weeks. He feels that he can get underway some time next week, weather permitting and 0.0% 18.3% 18.6% % Completed possibly assist with the Division 4 and 12 aids. His Division 5 aids are completed for 2017. Division 5 89 42 80 JULY ACTIVITY - Division 5 has completed their PATON and Bridge schedules for the year 38 All that is left is 3 photos and 2 unauthorized aids. Tony has been unavailable for a few ANT BOS 42 Completed 38 weeks due to personal problems but should have time next week to possibly handle some SBOS Qty to go 0 of the Division 4 and Division 12 issues. COngratulations to all the great AVs in Division 5 for % Completed 100.0% 100.0% 100.0% their support of their PATON and Bridge programs. Division 6 85 27 112 JUNE ACTIVITY - We need the Facilities and Boatcrew members of one of the largest 177 Divisions in the District to step up and assist Frank MacKinnon with the Division 6 PATON and ANT WH Completed 4 Bridge Program this year. Most the regulars on Frank's boat are on the DL and he is short of SSENE 85 Qty to go 23 108 crew. We also have a few HMRAP Runs in Wareham that could use a skilled AV to work with % Completed 0.0% 14.8% 3.6% the Harbormaster and wrap up two the Runs in that area Division 7 448 188 64 252 JULY ACTIVITY - Division 7 is another Division that has met their half-time objectives with **51.2%** of there PATONs and **100%** of their Bridge verified or surveyed. 3 or 23% of ANT BRIS Completed 129 their 13 Runs completed. 10 or 77% of their Runs are inprocess at this time. Frank MacKinnor SSENE Qty to go 96 27 123 from Disivion 6 assisted with the Westport River aids. Mike Quinn and his wonderful AVs % Completed 48.9% 57.8% 51.2% have this program well in hand for 2017. Division 9 0 0 JULY ACTIVITY - AV Thomas Simmons, who now resides in Vermont, has volunteered to do the Conn River bridges in August which will complete this Division's 2017 program. ANT BOS Completed 0 0 Division 9 has no PATONs on the Connecticut River. They were converted to Mass State Aids 0 SBOS Qty to go 0 0 % Completed 0.0% 0.0% 0.0% JULY ACTIVITY - Division 11 manages over 37% of the private aids in the District Division 11 915 405 92 497 ANT WH and they completed 51.3 % of their PATON Schedule to date. 3 Runs are Completed 210 45 255 completed for 2017 and 9 Runs achieved their 50% objective or better. On the SSENE Qty to go 195 47 242 other hand, they need to work on the Bridge schedule since they have only 51.3% % Completed 51.9% 48.9% surveyed 7.7%. Congratulation and thanks to these great AVs Division12 79 27 106 168 JULY ACTIVITY - The Division 5 NS Team completed the Quincy, Braintree, Hingham and Weymouth aids and bridges. (BOS-3 and 4) and plan to make a run to New Inlet in Marshfied ANT BOS Completed 15 29 14 and Scituate to work with the Harbormasters on the three rivers on July 24th. We need a SBOS 77 Qty to go 65 12 volunteer AV to handle the HMRAP with Kingston and Duxbury HMs. 27.4% % Completed 17.7% 55.6% Rick Hoadley with Eunice Bloomquist have agreed to handle the Plymouth Run. TOTAL 2,479 1,130 347 1477 JULY SUMMARY - Divisions 3, 4 and 12 in Sector Boston pose completion issues for the 2017 program. This is a catch up year to bring the over numbers into parity. We will be Completed to Date 455 627 172 meeting the one-third Coast Guard Goal for one-third verifications but there is a chance we **Quantity to Go** 675 175 850 will not meet the 2017 objectives. We urge each Division Staff to look at ways to support 42.5% % Completed 40.3% 49.6% the Navigation Systems Program in their Division. There are only two months to go. JULY OBJECTIVE 50.0% Next Objective Review for 75% completion on August 31st.

Each Division's progress is being tracked and reported to the District Board each month. Keep sending your reports or making your reports in a timely manner.

DO YOU NEED ASSISTANCE ENTERING YOUR CG-7054 PATON REPORTS?

We are happy to provide this service. However, you must follow these important guidelines:

- 1. You must use an <u>official PATON Run Sheet</u> to collect the required field observations. The latest Run Sheets are available from the DSO-NS D1NR. Contact info is available at the end of this Newsletter.
- 2. <u>Use a sharp pencil</u> with a clean eraser when entering data. Strike overs are not allowed. Cleanly erase errors and reenter the data correctly. If the only part of a fix that changes are the seconds, you only need to report the seconds. If the minutes also change, enter the minutes and the seconds. It is not necessary to enter the whole fix expression degrees, minutes and seconds. It is important to write slowly and clearly.
- 3. Do not E-mail or FAX the Run Sheets to the DSO-NS. <u>Send the original copy of the RUN sheets</u> by GOVT mail. Make a copy for yourself.
- 4. Forward the RUN Sheets as quickly as possible after the completion of your run.
- 5. The DSO-NS will update the Master Run Sheet with your data and send you an updated copy in return. You will be included on all communications regarding the Run Sheet.
- 6. You must include a copy of your "Accuracy Statement" with each Run Sheet.

NOTE: <u>If you are performing a HMRAP</u> and the aid is OFF STA, get agreement from the HM to make the POSN correction. If the PATON is MISSING, get permission from the HM to delete the permit or get the future disposition for the PATON from the HM. If the aid has a discrepancy, get a commitment from the HM when it will be corrected.

WHEN IS YOUR GPS OPERATING AT ITS OPTIMUM ACCURACY?

<u>Marine-grade</u> GPS Sets with <u>WAAS</u> (<u>Wide Angle Augmentation System</u>) enabled, operating in <u>3D</u> (viewing 4 or more satellites) with an <u>EPE</u> (<u>Estimated Position Error</u>) of 20 feet or less are providing (at the location of the GPS's antenna) their most accurate position information. <u>These data are readily available from a marine-grade GPS.</u> Inability to provide this support evidence will make your position questionable and unusable for updating a Federal document such as a PATON Record, the Light List or a NOAA Chart.

Also note that the supporting evidence for your GPS' accuracy when you took the FIX is reported in your "Standard Accuracy Statement" which is a required data field on a CG-7054 PATON Report.

A SAMPLE "STANDARD ACCURACY STATEMENT"

This standard "<u>Accuracy Statement</u>" is required on every CG-7054 PATON Report. The Color Coding being used in this example reflects the frequency when the color-coded data is required to be updated on the Accuracy Statement. Use of the Standard format provides uniformity of reporting and makes it easier for the PATON Screener, the Owner and the CG ANT to quickly review and evaluate the evidence of your accuracy.

YELLOW – Indicates a **one time listing** of the electronic equipment used to take the fixes and depths. These entries list the measuring equipment that you used for taking measurements on your patrol.

GREEN – Indicates a <u>one time entry per patrol</u> of the checks taken that showed how your electronic instruments were operating before getting underway. These entries provide evidence as to how you checked the measuring equipment for operating accuracy before getting underway. This SOP is required on all Coast Guard yessels.

BLUE – Indicates the **quality control readings**, recorded while on-scene at the PATON, as evidence of the operating accuracy of your measuring instruments when the data was actually observed.

STANDARD ACCURACY REPORT

- 1. GPS A GARMIN 76 cx GPS with WAAS enabled, operating in 3D was used. Pre-underway accuracy was checked at the dock against another GPS set.
- 2. ECHOSOUNDER A Garmin441S echo sounder was used to take the depth. Pre-underway accuracy was checked at the dock by calculating depth at datum. Substation was Boston.
- **3. DISTANCE OFF** The fix and depth were taken approximately 10.0 feet from the GPS' antenna. Chart referenced was NAD83.

If you standardize your pre-underway and on-scene operational process when using your GPS FOR taking a FIX, you will have minimal changes to make between fixes. Paste this Standard Accuracy Statement onto your Desktop and simply cut and paste it to your CG-7054 PATON Report as needed.

To all the great NS volunteers in First Northern
We couldn't do this job without you.
We meet our objectives each year because of you.
Thank you so much for your service to the Coast Guard

Communicate all questions and requests to:

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