



2014 Harbor Safety Committee Conference

FUTURE OF NAVIGATION SUMMARY OF LISTENING SESSIONS AND ON-LINE FEEDBACK FORM

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Future of Navigation Sessions & Feedback



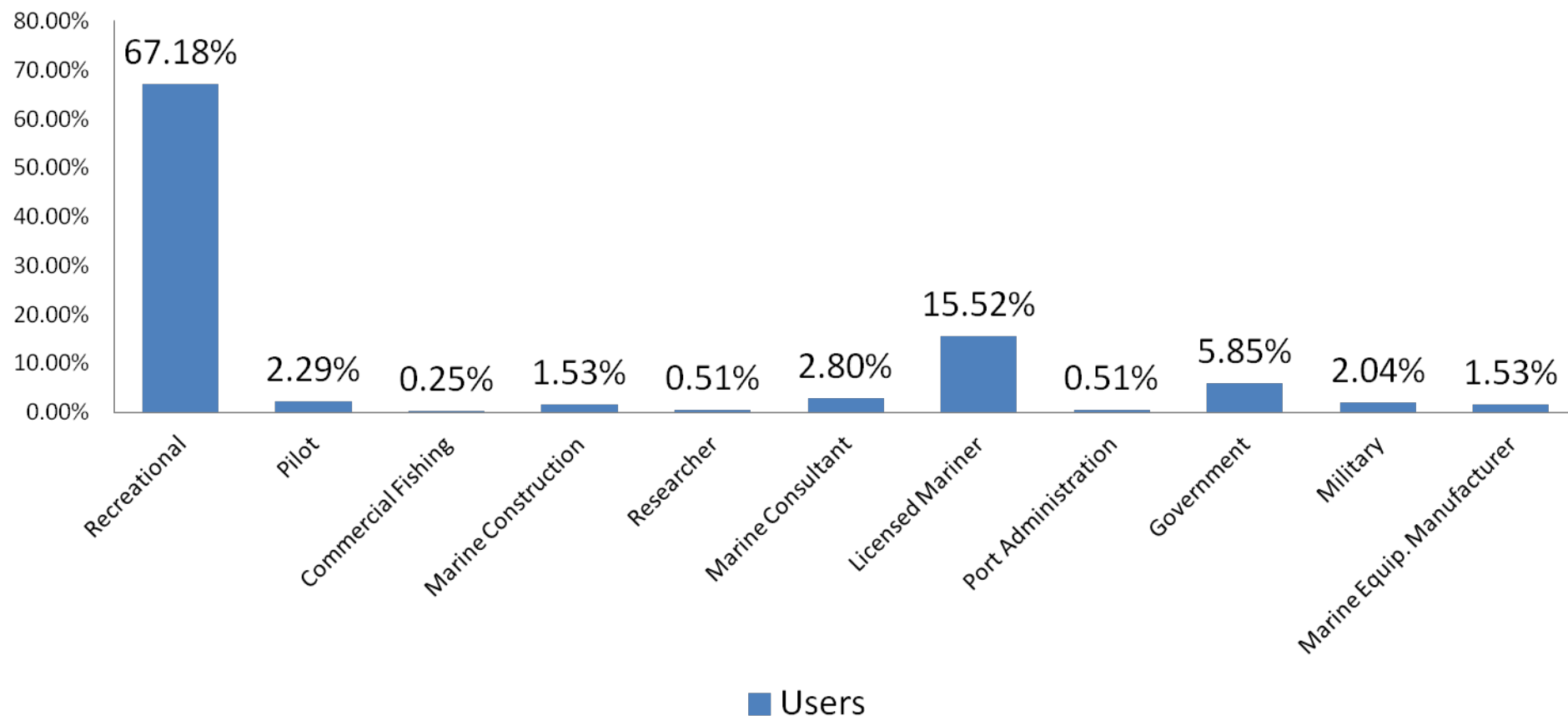
- **Conducted USCG, NOAA, &USACE Listening Session**

Honolulu, HI: 19 May
Fort Lauderdale, FL: 22 May
Hampton Roads, VA: 22 May
Boston, MA: 03 Jun
Seattle, WA: 03 Jun
New York, NY: 10 Jun
Alameda, CA: 10 Jun
Port Huron, MI: 12 Jun
Long Beach, CA: 17 Jun
St. Louis, MO: 18 Jun

- **An on-line link to a Future of Navigation Feedback form is located on the CG NAVCEN website. Intend for the survey to be carried out at least to the end of the year.**



21ST CENTURY WATERWAYS



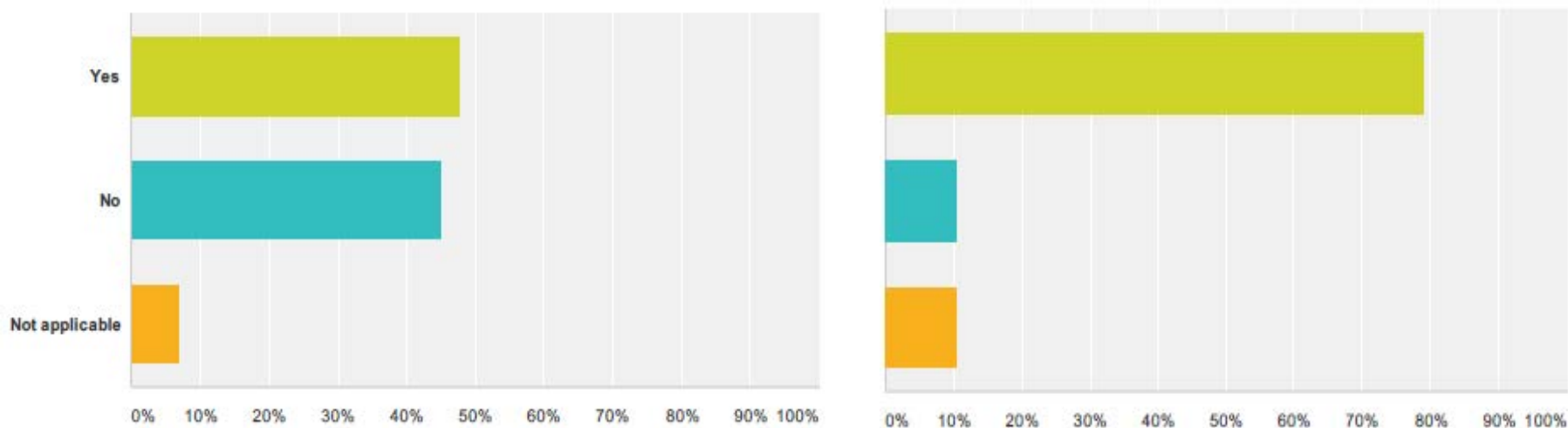
2/3 of the results from Recreational boaters
1/3 of the results from Professional mariners



21ST CENTURY WATERWAYS



**Q7 Do you regularly update your charts
and publications to the latest Notice to
Mariners?**



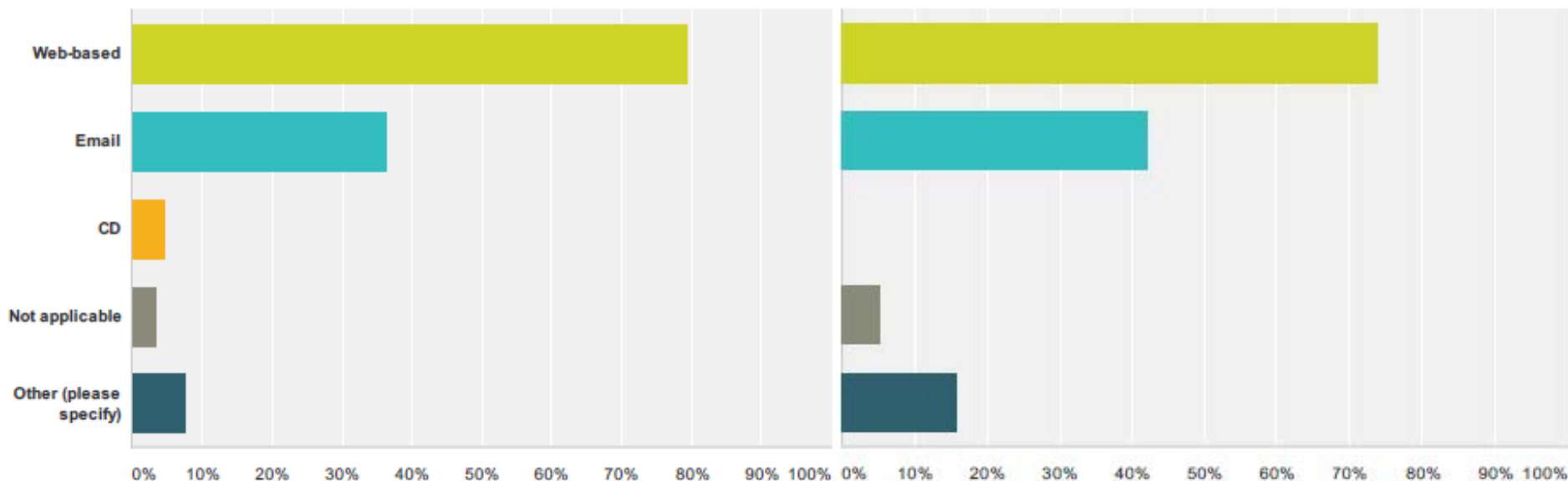
8 out of 10 professional mariners update their charts.
Not required for recreational boaters, but half still do.



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Q8 How would you like to access the
information necessary to regularly update
your charts and publications to the latest
Notice to Mariners?



Both recreational and professional desire electronic based updating of charts and publications.

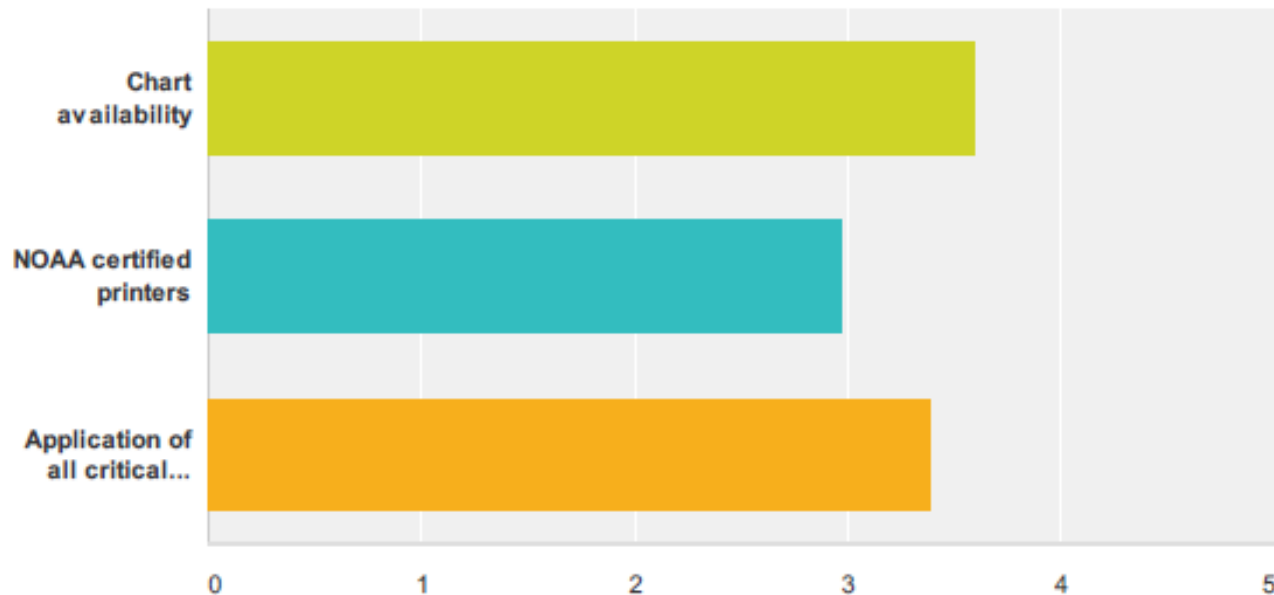


21ST CENTURY WATERWAYS



Q9 What features of NOAA's Print on Demand (POD) product do you find effective or ineffective?

Answered: 334 Skipped: 114

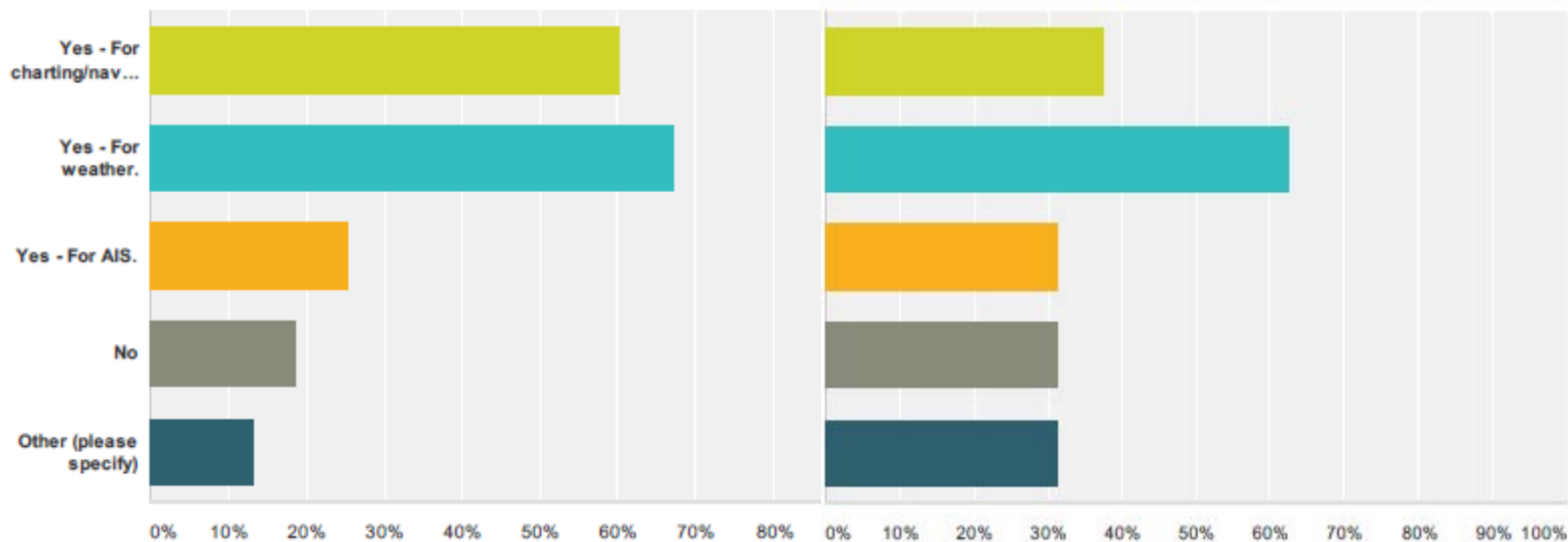




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Q11 Do you use your mobile device for navigation safety purposes on the U.S. waterways? You may check more than one answer.



The majority of recreational boaters are using their mobile device for charting/navigation.



Q12 If industry were to develop a mobile phone application using USCG / NOAA / USACE data, what features and information would you want it to provide?

Top 5 words/phrases for features:

1. Charts
2. Weather
3. Navigation
4. Tides
5. Notice to Mariners

There is a great deal of feedback requesting a mobile application for viewing NOAA charts & LNTM.

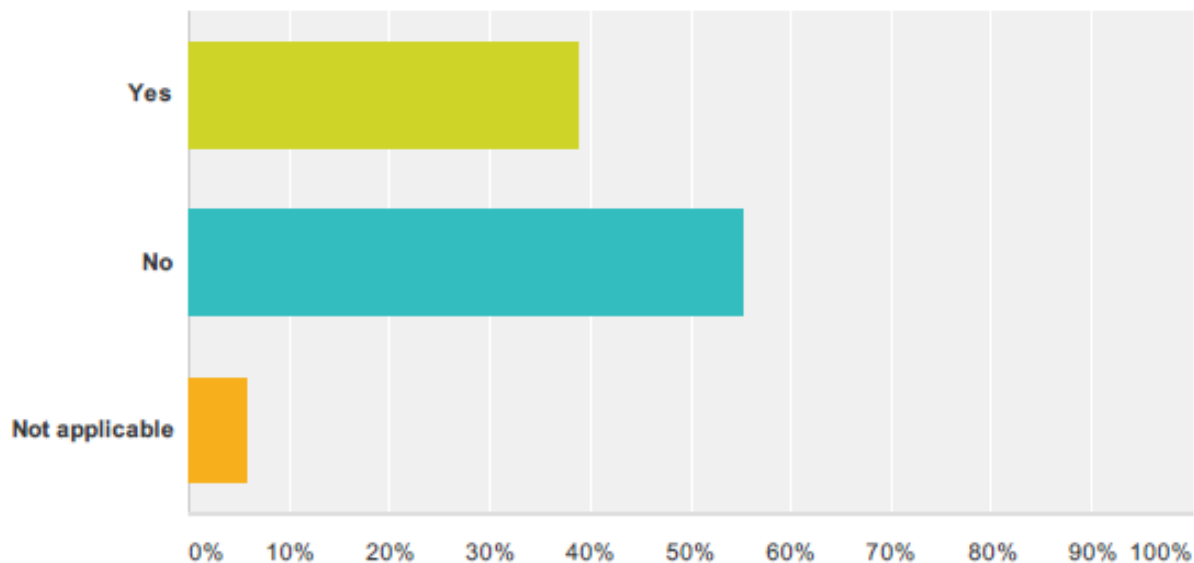


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**Q13 Do you currently use NOAA's Physical
Oceanographic Real-Time System (PORTS)
or tides and water level information?**

Answered: 378 Skipped: 70



Most are not using PORTS, which may be demonstrating issues with accessibility.

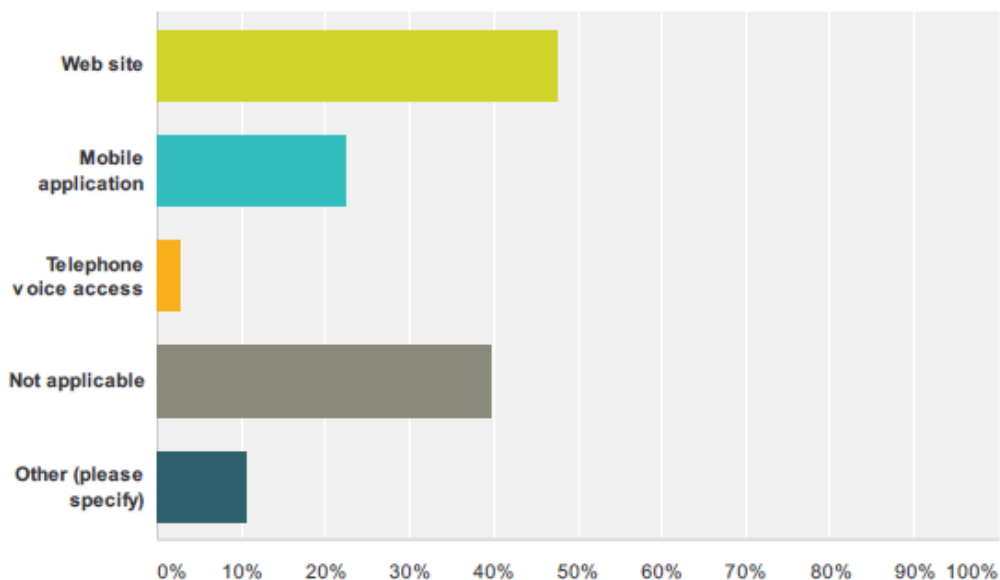


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**Q14 If so, how do you access NOAA's
Physical Oceanographic Real-Time System
(PORTS) or tides and water level
information? You may check more than
one answer.**

Answered: 302 Skipped: 146



Most users of PORTS use the web to access the information.

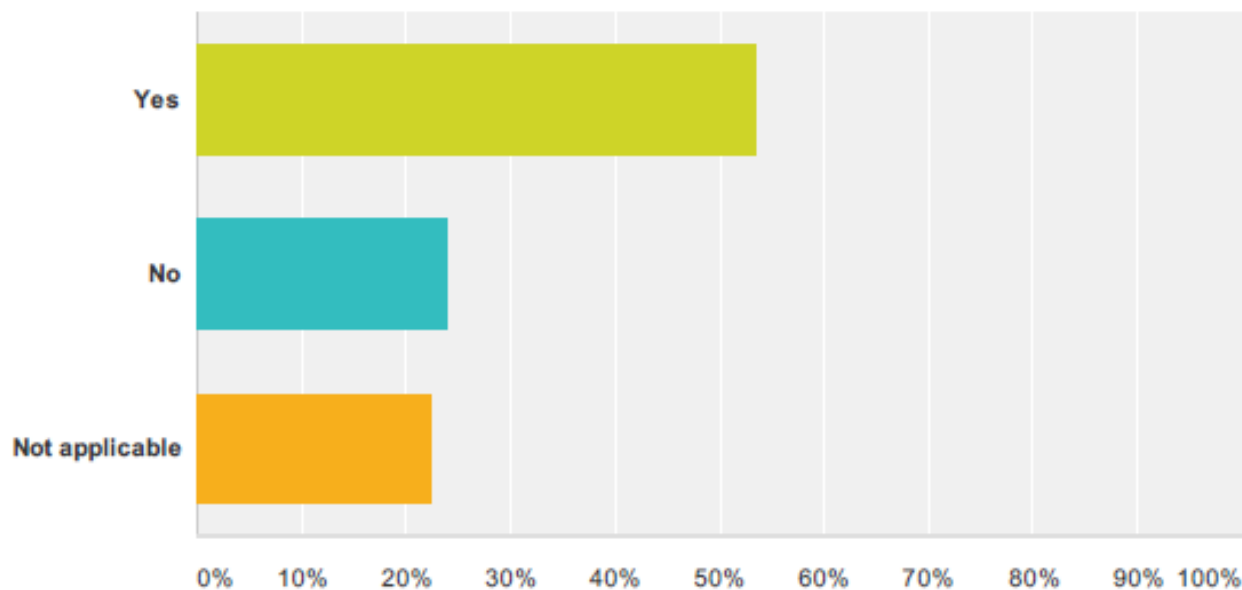


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**Q15 Would you use NOAA's Physical
Oceanographic Real-Time System (PORTS)
or tides and water level information if it
was broadcast over AIS?**

Answered: 354 Skipped: 94



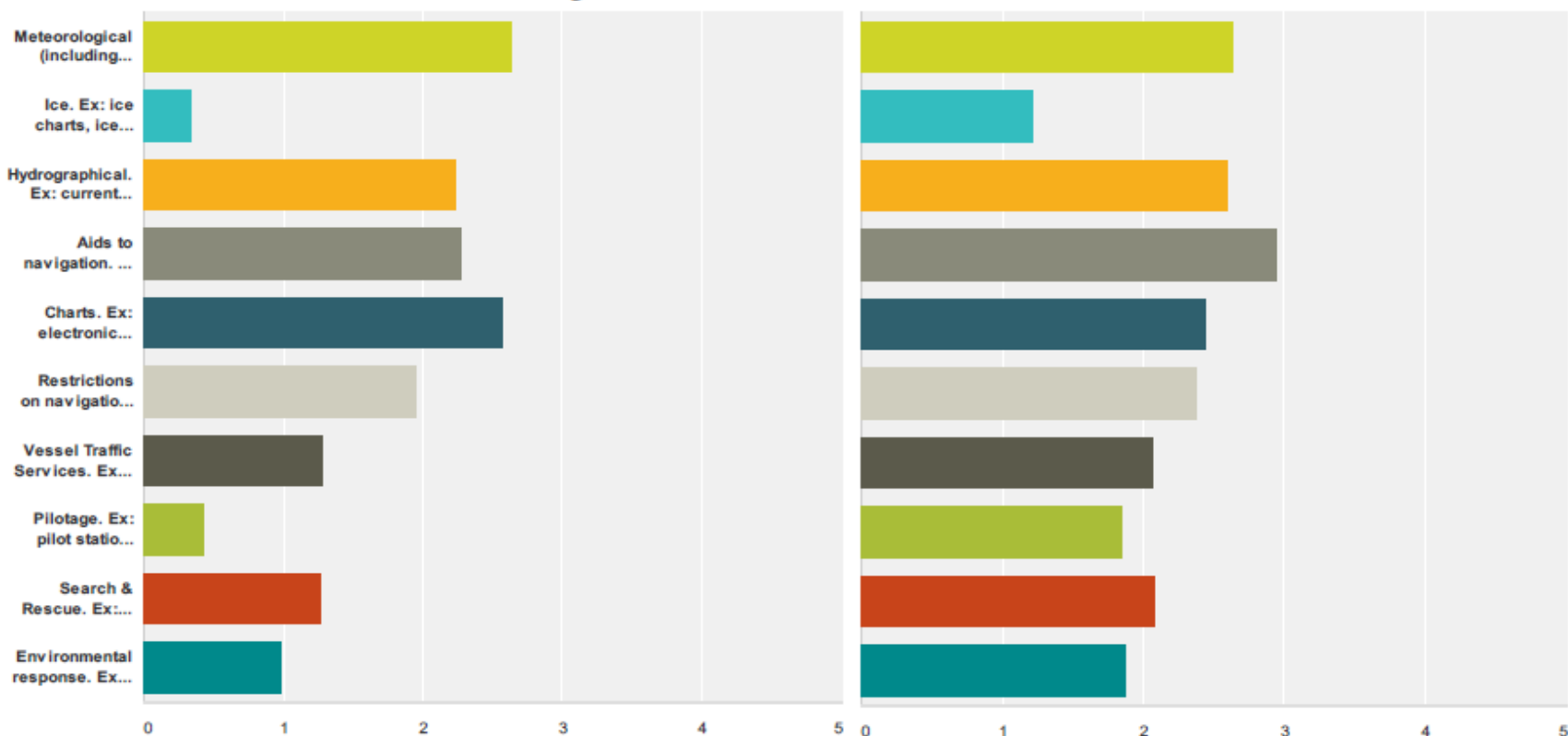
More than 5 out of 10 people are interested in using
AIS broadcasted information for navigation.



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**Q16 How much do you rely upon
the following programs/services provided
by USCG / USACE / NOAA?**



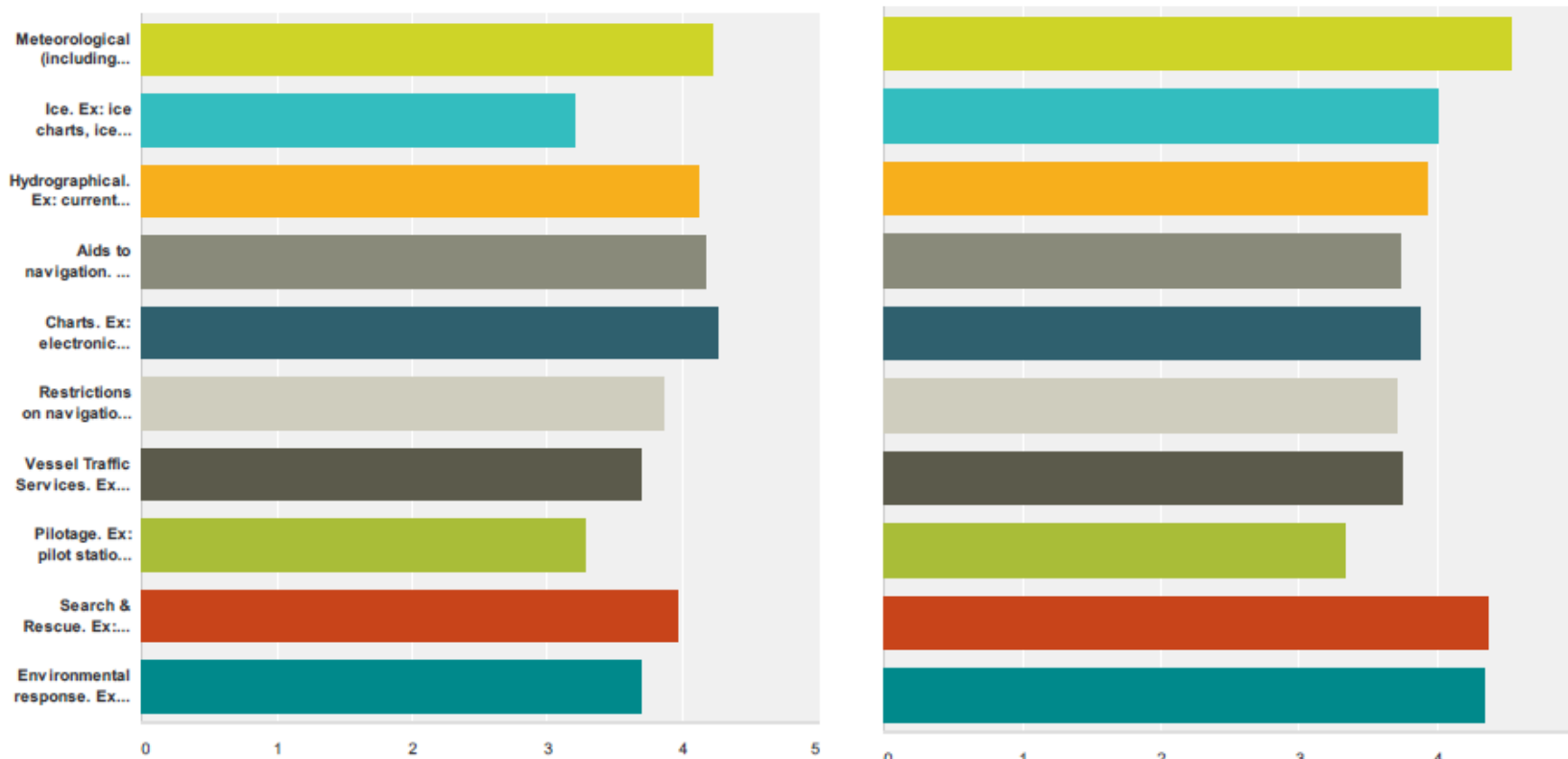
Overall, reliance trends are very similar, with ice services rating the lowest.



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**Q17 How effective are the following
programs/services provided by USCG /
USACE / NOAA?**



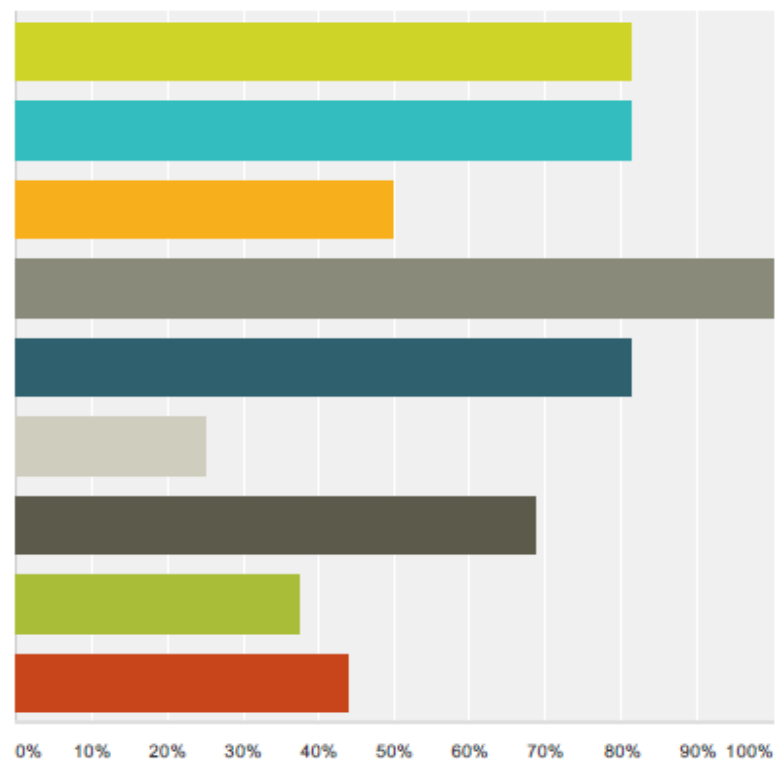
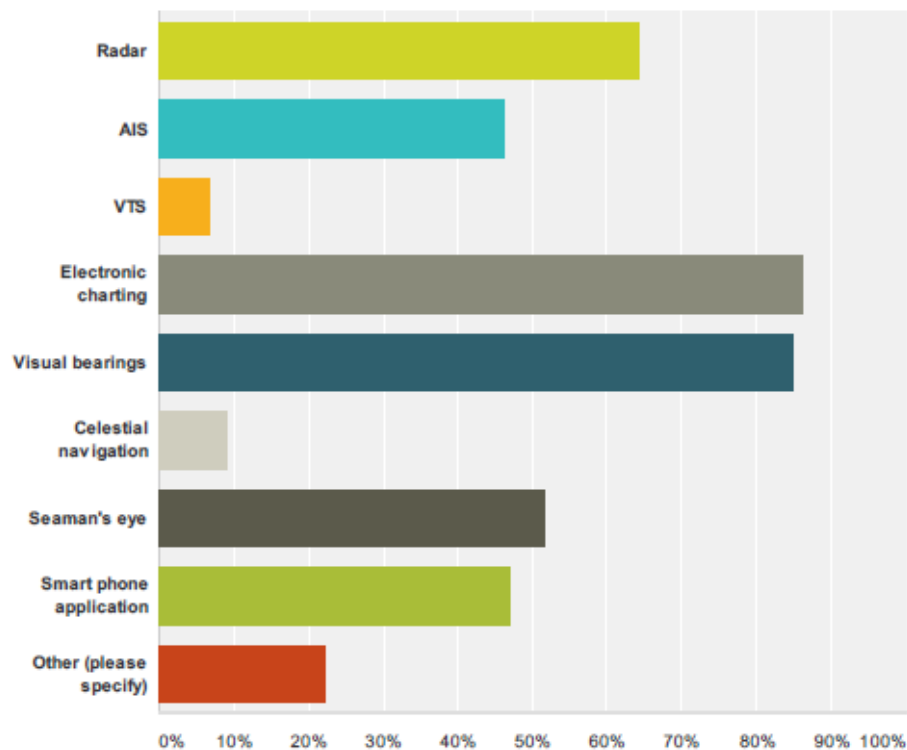
Mariners find the majority of services moderately effective, rating a 4 out of 5, with 5 being the best.



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**Q18 What additional services/tools do you
use for navigation on the U.S. waterways?
Check all that apply.**

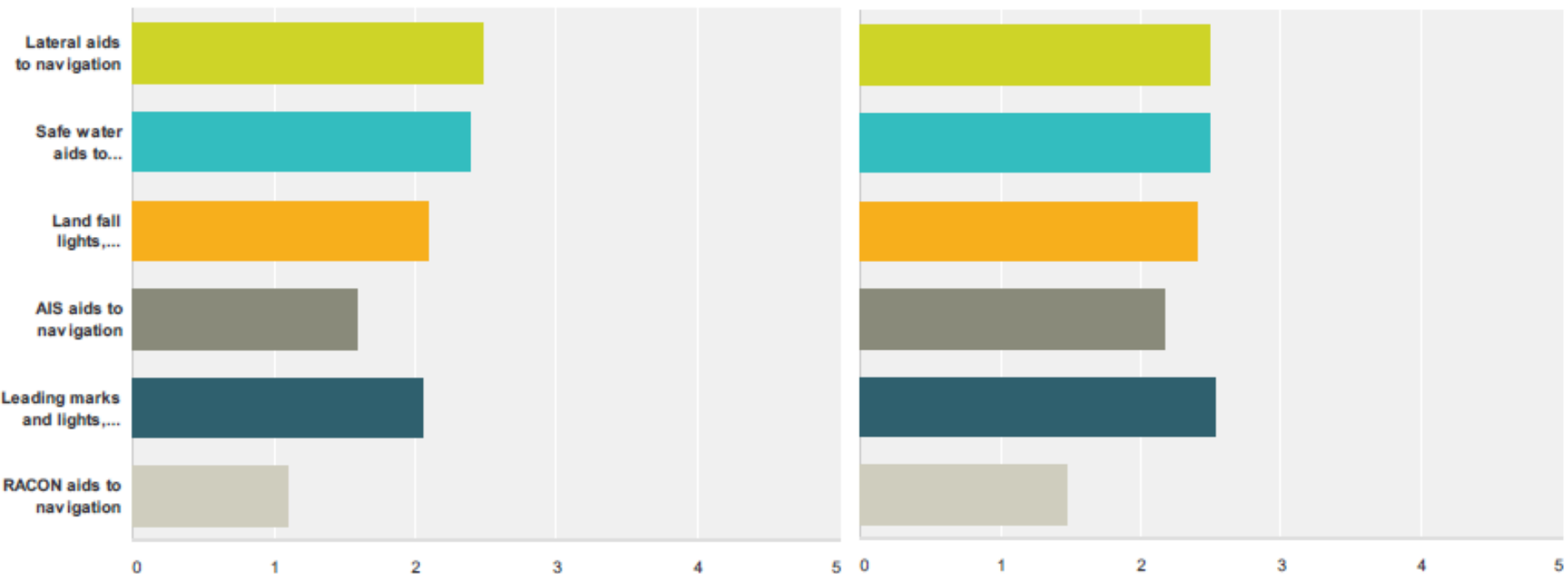




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**Q19 How much do you rely upon
the following aids to navigation?**



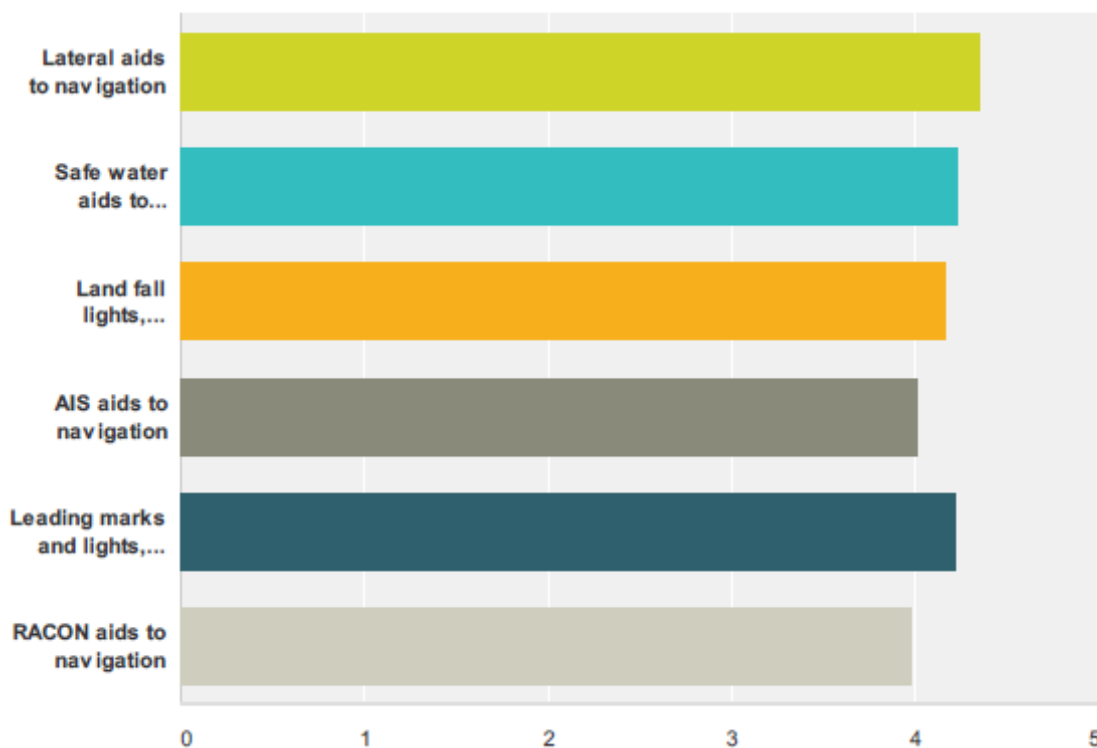


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Q20 How effective are the following aids to navigation?

Answered: 344 Skipped: 104



Mariners find all types of aids to navigation moderately effective.

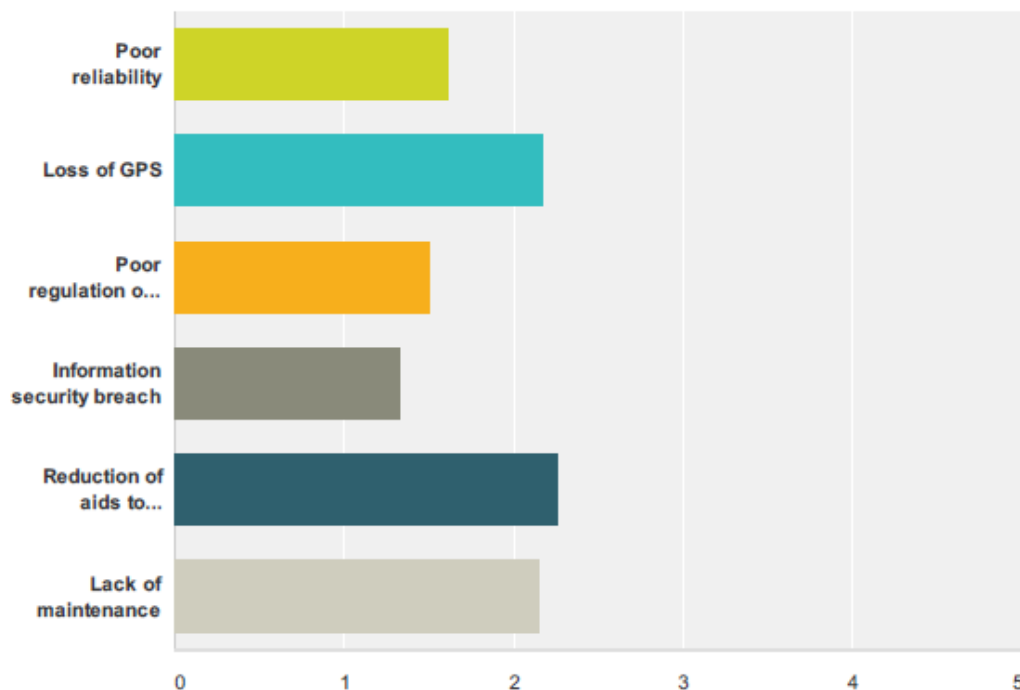


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Q24 What are your biggest concerns
regarding the ongoing/upcoming
initiatives?

Answered: 339 Skipped: 109



Biggest concerns are lack of GPS, reduction of aids to navigation, and lack of maintenance.



Additional feedback provided by waterways users:

- iPhone screens too small for marine use
- Need better cellular connectivity
- Desire an integrated mobile application
- Users would highly value marine push-notifications or alerts
- Erosion of traditional navigation skills



Additional feedback provided by waterways users:

- Redundancy is important
- Move cautiously and deliberately
- Multiple ECS manufacturers using proprietary charts
- Many recreational boaters not equipped
- LNM process is outdated



Additional feedback provided by waterways users:

- Training on new technology and symbology important



Thanks for listening – Questions?

If you haven't already, please visit the US Coast Guard Feedback website to provide your feedback today:

<https://www.surveymonkey.com/s/21stCenturyWaterways>

Or

Click the link on the NAVCEN Homepage at

<http://www.navcen.uscg.gov/>