

**United States - Canada Hydrographic Commission (USCHC)
44th Meeting - 18 to 19 March 2021, VTC**



**AGENDA Item #16
Friday March 19, 2021**

**12h20PM 10 minutes International Hydrographic Review (IHR) Update.
Update Report by: Denis Hains, USCHC Rep on IHR Editorial Board**

**Appointment of Denis Hains as USCHC Representative: 16 March, 2019
4 IHR Edition since: 4 - May and November 2019 + May and November 2020
Brian Connon appointed Editor-in-Chief : January 2020**

May 2019 Edition vol.21 (Editor: Ian Halls):

1 Scientific Peer-Reviewed Article + 1 Note. + 0 General Info

November 2019 Edition vol.22 (Editor: Alberto Costa Neves):

4 Scientific Peer-Reviewed Articles + 5 Notes + 1 General Info (Obutuary)

May 2020 Edition vol.23 (Editor: Brian Connon):

3 Scientific Peer-Reviewed Articles + 2 Notes + 2 General Info (Repository & Obutuary)

November 2020 Edition vol.24 (Editor: Brian Connon):

8 Scientific Peer-Reviewed Articles

Including:



An overview of the NOAA Re-Scheming Plan

By J.Nyberg¹, S. Pe'eri^{1,2}, S. Catoire¹, C. Harmon¹

1 - Office of Coast Survey, NOAA/NOS

2 - Center for Coastal and Ocean Mapping, UNH



Hydrography from Fisheries Surveys

By R. Burkhalter-Castro¹, E. Meyer¹, A. Platel¹, C. Schroeder¹, G. Rice²,

A. Klemm¹, J. Riley², B. Gallagher²

1-Earth Resources Technologies

2-NOAA Hydrographic Systems and Technologies Branch



**ACCELERATING THE USAGE OF EARTH AND OCEANS OBSERVATION
DATA IN HYDROGRAPHIC APPLICATIONS**

By René Chénier*, Khalid Omari, Enrique Blondel, Mesha Sagram and Adam Jirovec

Canadian Hydrographic Service

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6 Notes

Including:



HYDROGRAPHIC SURVEY WITH AUTONOMOUS SURFACE VEHICLES

By V. Schmidt, UNH



NEW PROGRESS REPORT OF UNMAPPED U.S. WATERS

By Meredith Westington¹, Jesse Varner², Andrew Armstrong¹, Jennifer Jencks³

1-National Oceanic and Atmospheric Administration (NOAA), National Ocean Service, Office of Coast Survey

2-Cooperative Institute for Research in Environmental Sciences (CIRES), University of Colorado Boulder at NOAA, National Centers for Environmental Information (NCEI)

3-NOAA, NCEI - International Hydrographic Office's Data Center for Digital Bathymetry

Upcoming May 2021 Edition vol.25 (Editor: Brian Connon):

6 Scientific Articles received and currently being Peer-Reviewed

Including:

Estimating Observer and data Reputation in Mariner-volunteered Bathymetry

By Cassandra Bongiovanni-¹, Thomas C. Lippmann-¹, Brian R. Calder-¹, and Andrew Armstrong-²

1- CCOM-UNH

2- NOAA-UNH Joint Hydrographic Center NOS



Identifying future Hydrographic Survey priorities: a quantitative uncertainty-based approach

By Brian R. Calder

NOAA-UNH Joint Hydrographic Center NOS

10 Notes received and currently being Reviewed

Including:

EMPOWERING WOMEN IN HYDROGRAPHY

By Annie Biron-¹ and Evert Flier-²

1- Canadian Hydrographic Service

2- Norwegian Mapping Authority



The Most Significant Improvement of Navigation Since SOLAS

By RDML Shepard Smith

NOAA-Director, Office of Coast Survey and Outgoing Chair, IHO Council

2 General Info (Obituaries)



IN CONCLUSION:

*** While ensuring high standards - DESIRED TARGET per IHR ISSUE could be:**

A total of about 10 Peer-Reviewed Articles + 10 Notes + 2 General Info

Suggested minimum US + Canada + USCHC TARGETS:



One Peer-Reviewed Article per issue - 2 per year
One Note per issue - 2 per year



One Peer-Reviewed Article per year
One Note per issue - 2 per year



One co-produced USCHC Peer-Review Article per year
One co-produced USCHC Note per year

USCHC RECOMMENDED ACTION ITEMS:

- 1- Establish a 3 year-Plan with topics (based on a 2 IHR Editions per year);**
- 2- Designate US & Canada LEADERS per topic and per IHR Issue to ensure quality and in-time production of the papers in coordination with the USCHC Representative on the IHR Editorial Board; and,;**
- 3- Create a standing agenda item, “IHR Contributions” for the USCHC meetings so that the plan can be reviewed and revised.**