

RRT5 Science and Technology Subcommittee Update Spring 2022

Chairs: Faith Fitzpatrick, USGS, fafitzpa@usgs.gov
LCDR Rachel Pryor, NOAA, rachel.l.pryor@noaa.gov



S&T Updates



- **Scott Binko, USCG**

- Emerging pollution response technology evaluation-technical evaluation upcoming
- Diluted Bitumen Studies in Freshwater- report has been reviewed, test continue
- ISB research continues. Next step is air monitoring assays
- Estimated Recovery Systems Potential ERSP Calculator
- Advancing UAS and AUB Capabilities- completed characterization tests, transitioning to shoreside experiments

- **Faith Fitzpatrick, USGS**

- DOI ISOPP Call for proposals
- IROS, USGS streamstats beta release, FluOil model methods publication released, growing interest in ICWater applications

- **Guy Meadows, Ph.D. Great Lakes Research Center – Michigan Technological University**

- Straits HFR System operation since October 18th. Surface and subsurface current real time data available via Michigan Tech University (www.mtu.edu/Greatlakes/) and Great Lakes Observing System.

- **Ayumi Fujisaki-Manome, Cooperative Institute for Great Lakes Research (CIGLR)**

- Under-Ice Oil Spill Working Group meeting at Lake Superior State University
- Toured Enbridge Mackinaw Pump Station and the Straits Maritime Operations Center
- Technical talks including transport modeling in ice-covered waters, fate and transport of oil under ice, oil detection under ice, oil spill remediation in icy waters.