



**CRRC: Submerged Oil Working Group
Clean Gulf**

December 6, 2017

Updates:

- Kurt Hansen, USCG R&D
 - Alex gave presentation on Dyna Flow; publication forthcoming
 - Modeling across the bottom; testing prototype systems in Great Lakes and Kalamazoo. Testing to be done in Spring 2018.
 - Kurt is retiring in February 2018.
- Karin Messenger – new position. Counterpart to Kurt Hansen
- Jacqui Michel
 - CA OSPR workshop – policy and risk assessment – Jacqui was speaker
 - API guides are used a lot by RRT and OSRO's. Report is greatly used.
 - Inland spill response on technology improvements. Session at Clean Gulf with Eric.
- Ron Finn
 - Develop microbe to digest oil
 - Salt spill cleanup in New Mexico with BLM
- Victoria Broje
 - AMOP session and paper
 - CAPP study-fate and behavior of dilbit on heavy oil study. Establish better lab study on weathering, behavior (SL Ross)
 - Experimental study in Canada/ IISD-ELAW with CAPP Study just underway and being designed.
- Patrick Lambert
 - Bruce Hollebhone – submerged oil, why does it submerge? AMOP paper
 - Design scale shoreline project in proposal stage. This is small scale as they have \$ from PAP.
 - Environment Canada Oceans Protection plan overview
 - Huskey – test sit in moving river – trying to determine and communicate to indigenous communities what submerged oil is
 - NEBA – determined to be an ordeal about dragging chains across the river bottom with no recovery but disturbed river dynamics
 - Black Magentic – oil on sediment

- For inland spills must always think of oil in 3-dimension; always oil on bottom no matter what kind
- Resampling Saskatchewan – aggressive shoreline techniques, natural tenation and decline overtime. High nutrient river
- Presentations at AMOP
- 🔥 Tim Nedwed
 - Project with Jacqui Michel – enhance submerged oil; enhancing response tools (2 small projects)
 - Minimal funding on small projects
- 🔥 Melissa Gloekler
 - Globular migration; New flume up to 4 knots
 - Movement of velocity, salinity, viscosity
 - IOSC presentation
 - Viscosity was an issue brought into materials lab; lengthening and erosion; can change bottom morphology
 - Looking at buoyancy of oil and when it comes back to surface with sediment
- 🔥 Jesse Ross
 - Snare project with USCG; quantifying where oil is in the water column
 - Salinity does affect sorption
 - DBL 152 oil