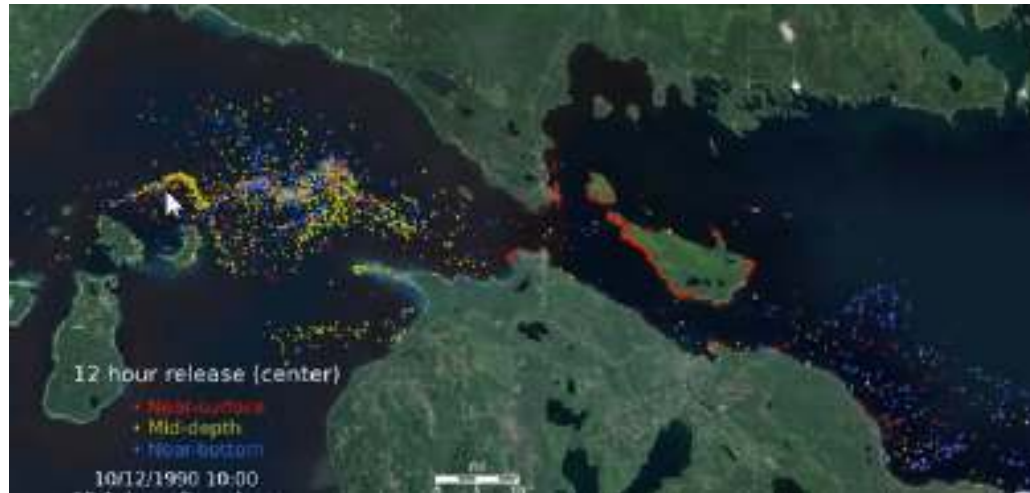


# **Straits of Mackinac Functional Exercise Overview**

St. Ignace, Michigan

September 23-25, 2015



Straits of Mackinac Contaminant Release Scenario  
University of Michigan  
Graham Sustainability Institute



<https://youtu.be/8bx4g-MPiws?list=PLkpBjHvzRryqCzUAeLDxzgrRJOBbN-nBc>

# Field Activity Overview



-  Stationary (AreaRAE)
-  Mobile (MultiRAEPRO + UltraRAE)

# ICS (200+ Participants)



# Protective Booming of Shoreline





# On-Water Recovery



# USCG Takeaways

- Overall exercise led by USCG and Enbridge
  - Great exercise
  - Objectives met
  - Lots of hard work leading up to it
  - Lots of participation
  - Teamwork
  - Enbridge is doing the right things



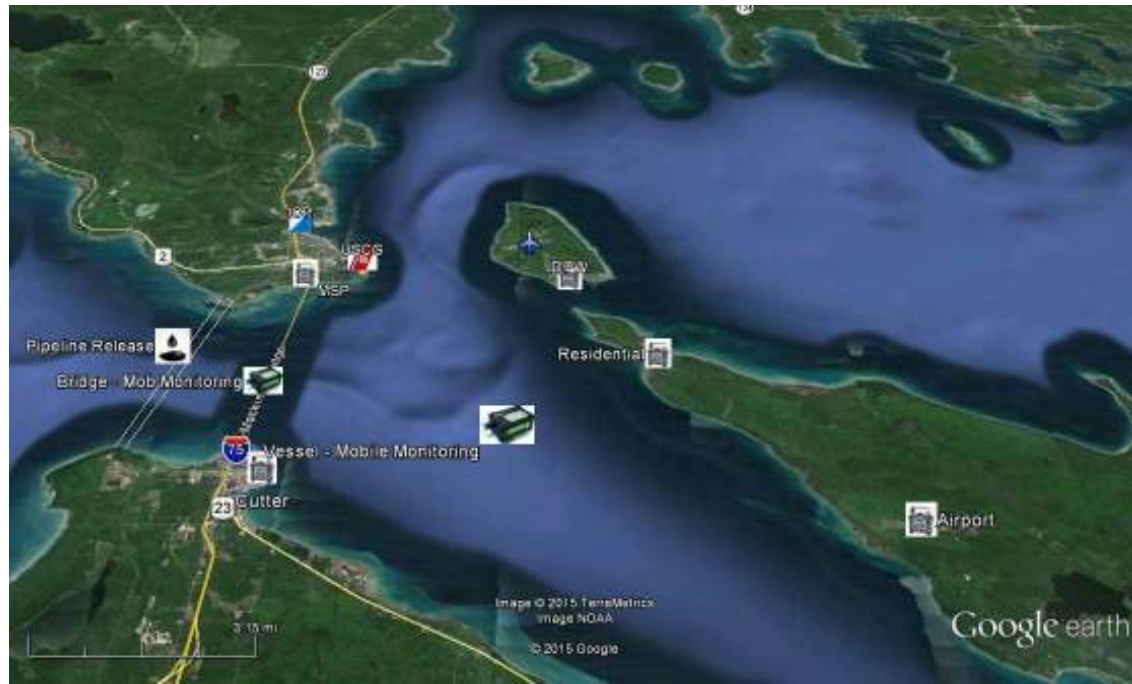
# USEPA Exercise Focus

- USEPA's focus: air impacts
  - Developed air monitoring plan
  - Performed sampling
    - On water
    - Islands
    - Mainland
    - Mackinaw bridge (mobile)
    - Summa canisters





# Air Monitoring





# Air Monitoring – Stationary (5 units)







# Air Monitoring – Mobile (2 units)





# Air Monitoring – Summa Canisters





# Coordination with Public Health Officials







## Other Resources of Interest



51<sup>st</sup> WMD Civil Support Team  
Portable GC/MS

[http://www.michigan.gov/documents/deq/deq-wws-wws11-pres7\\_358806\\_7.pdf](http://www.michigan.gov/documents/deq/deq-wws-wws11-pres7_358806_7.pdf)



NOAA Plume Monitoring Instrumentation