

# Cold Regions Research and Engineering Laboratory Innovative Oil Spill Research

## PHOTOS: DETECTING OIL UNDER WATER



Researchers and others, representing the U.S. Army Corps of Engineers' Cold Regions Research and Engineering Laboratory, Scottish Association for Marine Science and Woods Hole Oceanographic Institution, work together to detect oil under ice.



Scientist Dr. Jeremy Wilkinson, Scottish Association for Marine Science, left, and Cold Regions Research and Engineering Laboratory's (CRREL) Bill Burch prepare the submersible trolley for testing within CRREL's Geophysical Research Facility. Attached to the trolley's structure are a suite of sensors that includes cameras, lasers and sonars, in an attempt to detect and map an oil spill from under the ice.

(Photo by Marie Darling, ERDC PAO)



A beam of green light is emitted from the under ice laser during night testing.

(Photo courtesy J. Wilkinson, Scottish Association of Marine Science)



Researchers look down into the hole after submerging a trolley that will transport a suite of sensors under the ice to detect oil under ice.

(Photo by Marie Darling, ERDC PAO)