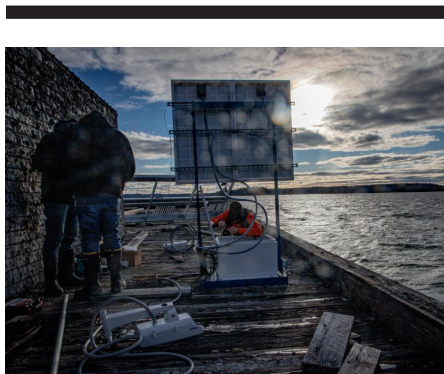




Identifying the Ordinary

For 10 years, the U.S. Army Engineer Research and Development Center's (ERDC) Cold Regions Research and Engineering Laboratory (CRREL) has worked to develop a national manual and data sheet to identify the Ordinary High Water Mark (OHWM) across the United States.

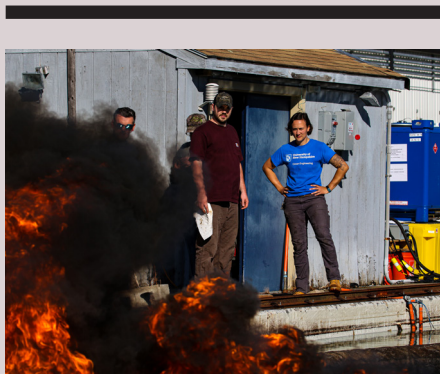
The national manual was released as an interim draft and describes the OHWM, which is used to define the boundaries of aquatic features for a variety of federal, state and local regulatory purposes.



New Cold Weather Facilities
Established

CRREL announced the creation of three new facilities for the testing of coatings to withstand-- and even mitigate-- ice adhesion and corrosion.

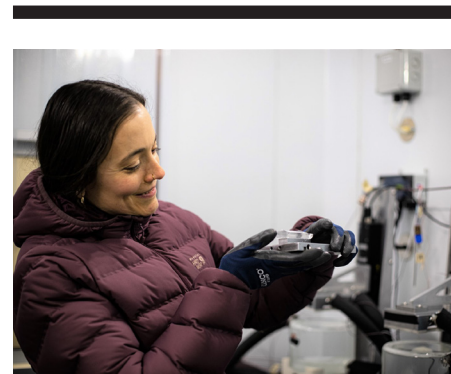
Treat Island, Maine; Fairbanks, Alaska; and Hanover are home to these new assets, which will help CRREL understand the durability of new coatings and surface treatments to transition technologies to protect real assets in the field.



Burning it Off

When it comes to oil spills, efficient methods of cleanup play a vital role in mitigating damage. CRREL researchers are testing the effectiveness of a new tool aimed at cleaning up spills called the fire-boom.

Unique facilities at CRREL enable such technologies to be tested in controlled environments, allowing researchers to better understand what will happen in a real-world situation.



Improved ice removal methods lead to patent

With winter weather approaching in colder climates, travelers face daily frustrations of scraping away the ice clinging to steps and vehicle glass surfaces. There are also impending risks of power outages caused by ice storms. For the military, icy conditions threaten the safety and success of global operations by severing communication and utility networks, halting transportation and interfering with visibility.

Click an image to see the full story.



"Our unique capabilities to ensure our Nation is prepared and capable of maintaining our national security interests in cold and extreme environments is being called upon more than ever. There is no doubt that 2023 will be another impactful year for CRREL!"

- Dr. Joseph Corriveau, CRREL Director

In memoriam of William "Bill" Loven

January 10, 1957 - December 17, 2022

William "Bill" Loven, 65, died unexpectedly on December 17, 2022, at his home.

Bill was born in Chelsea, Massachusetts, the son of Robert A. Loven and Karen J. (Goodwin) Loven. Shortly thereafter they moved back to the Berlin, New Hampshire area. Bill grew up in the Town of Gorham and graduated from Gorham High School in 1975. He went on to enroll in the Army ROTC program and earned a Bachelor of Science in mechanical engineering from the University of New Hampshire.

After college, he joined the U.S. Army as a commissioned officer and completed 21 years of active service, retiring as a Lieutenant Colonel. New military postings offered the family the opportunity to relocate all over the country, including Texas, Alaska, New York, California, Michigan, Kansas and Virginia. Bill eventually wanted to be closer to his parents and was able to PCS to West Lebanon, New Hampshire in 1998. After retirement, he took employment as a security specialist at CRREL.

We extend our deepest condolences to the family, friends and colleagues of Bill, who was an important part of the CRREL team. In addition to being a valued co-worker and colleague, Bill was a dear friend to many and will be deeply missed.



CRREL

**COLD REGIONS
RESEARCH AND
ENGINEERING
LABORATORY**