DOWN TO EARTH DIGEST

The quarterly newsletter for EDI Environmental Dynamics Inc.

Message from Management

by Cathy Mackay

At EDI, we get out of bed each morning because we know our work makes a difference—for people and the environment we all share. Clients choose us because we're not just good at what we do—we're good to work with. We're honest, grounded and focused on what matters. That same spirit fuels how we work together: we share direct, experience-based opinions to help each other grow, challenge ideas and deliver our best. This is collaboration the EDI way.

Health and Safety Note

by Morgan Fournier

With field activities in high gear, our team members need to be confident in their understanding of check-in procedures. Safety Task Analysis Cards (STACs) are to be submitted and approved by both Project Managers and Check-in contacts.
Your health and safety are our top priority!

Have a safety tip? Call Morgan at +1 (250) 562 5412

Celebrating 25 Years in the Yukon

Our team in the EDI Whitehorse office is excited to be celebrating 25 years of providing exceptional environmental services in northern Canada. To learn more, see the news story on the EDI website at: https://edynamics.com/news/

Project Profile: Pacific Salmon Wildfire Playbook

by Cherie Frick

The Pacific Salmon Foundation (PSF) is a non-profit environmental organization dedicated to achieving healthy and diverse populations of Pacific salmon. The PSF Wildfire Playbook is a resource that offers solutions to help salmon and associated habitats recover after wildfires occur. (https://psf.ca/wildfire-playbook/)

EDI provided PSF with assistance in the creation of both the Wildfire Playbook and a companion reference catalogue. We are pleased to have been part of such an important and collaborative project, particularly given the recent fire situation in Canada.

For additional details, see: https://edynamics.com/news/for-the-love-of-salmon/

In Our Communities and Beyond - Fish4Kenya

Three EDI team members from the Whitehorse office are board members with Fish4Kenya. This program supports tilapia fish farming in Kenya, promoting community development, gender equality and food security. It was started in 2004 by biologist Susan Thompson, who recognized an opportunity to support fish farmers with her aquatics experience. In addition to four days of training, the program provides feed and fingerlings to farmers for their first year. EDI provides support (in-kind professional time) and financial sponsorship.

Science Note: Bats and Their Amazing Skills at Echolocation

by Chris Albrecht

Dipping, diving, cruising and flying through the night. Screaming constantly as they go. This is the life of a bat. It's well-known that bats use echolocation to navigate and locate prey, emitting high-frequency sounds and interpreting the returning echoes. While most bat calls are ultrasonic, above the range of human hearing, some species echolocate at frequencies audible to humans, including the Spotted Bat (*Euderma maculatum*) in the Okanagan Valley of British Columbia, whose calls are often described as a series of clicks. What's less well-known is that these echolocation calls are incredibly loud, often comparable to the intensity of a smoke detector within 10 cm of your ear, with volumes ranging from 110 dB for some "whispering" bats up to over 135 dB for open-space aerial hawkers.

The intensity and frequency of echolocation calls are adapted to a bat's specific foraging environment and prey. Bats that forage in open spaces, such as the Big Brown Bat (*Eptesicus fuscus*) or Hoary Bat (*Lasiurus cinereus*), tend to use lower frequency, higher intensity calls that can travel further, allowing them to detect prey and obstacles at greater distances. Conversely, bats that forage in cluttered environments, like those that glean insects from vegetation, might use quieter, higher-frequency calls for better spatial resolution at close range. Bats even go so far as to dynamically adjust their call intensity as they approach a target, reducing the volume to prevent deafening themselves.

Renos and recreation are underway at EDI Prince George!

New to EDI

We would like to welcome the many new team members who have joined EDI this spring 2025. They include, but are not limited to:

- Wildlife Biologists: Andrew Venning and Francis Quinby
- Vegetation Ecologists: Jennifer Lange and Kalli Noble
- Intermediate Biologist: Devon Smith
- Hydrogeologist: Scott Green
- Environmental Specialist: Alea Varen
- Environmental Technicians: Anais Sanchez Morales, Christy Hunter, Cole Zubick, Jacob Ross, Jessica Norman, Kaia Bjorklund, Patrick McIlroy and Samuel Johnson
- Biological Technicians: Mikayla Kelly, Kate Mason and Kate Muller
- GIS Technician: Chloe Norton
- Programmer Analyst: Travis Frick

Your Voice Matters!

We want your feedback and ideas for future newsletters.

Contact Us

Did you know....

EDI has 9 offices in western and northern Canada and employees from coast to coast.