

Biodiversity Monitoring and Assessment Program

At Chevron, we believe that protecting the environment can go hand in hand with meeting the world's energy needs.

As part of our commitment, Chevron and Apache have initiated the Biodiversity Monitoring and Assessment Program (BMAP) for the proposed Kitimat LNG Project.

This unique monitoring program will collect valuable information about the status and trends of habitats, ecosystems and species within the footprint of the Kitimat LNG project prior to, during and after construction. This information will provide scientific management recommendations for the ongoing development of best management practices during the construction and operation of the Pacific Trail Pipeline and Kitimat LNG facility.

Chevron and Apache's goal during the construction of the LNG facility, to be located at Bish Cove near Kitimat, B.C., and the Pacific Trail Pipeline is to achieve "world class" environmental monitoring and assessment practices. BMAP researchers are focusing on studying the maintenance and restoration of ecosystem function throughout the construction and operation phases of the project. The BMAP is intended to make a complementary and significant contribution to protecting and managing the environment by monitoring and evaluating the status and trends of habitats, ecosystems, and species within the footprint of the pipeline route and associated LNG plant site at Bish Cove.

The Biodiversity Monitoring and Assessment Program (BMAP) exceeds the regulatory requirements set out by the federal and B.C. governments.



BMAP Project Goals

- **Understand** the current biodiversity status and links to ecological function within the footprint of the Kitimat LNG facility and Pacific Trail Pipeline projects.
- **Relay** potential effects on ecological function to Kitimat LNG and Pacific Trail Pipeline project construction teams to restore and mitigate impacts to local ecosystems.
- **Develop** more timely and efficient ways of monitoring species and ecological function.
- **Contribute** to best practices for construction and operations of the Kitimat LNG facility and Pacific Trail Pipeline.
- **Enhance** our knowledge of biodiversity and ecosystem function in regions across northern British Columbia.
- **Share** the information gathered within the BMAP through peer-reviewed publication of all results.

Before field work for the BMAP begins, approvals for collection of specimens from the B.C. Ministry of Environment, Forests, Lands and Natural Resources Operations and the federal Department of Fisheries and Oceans will be in place.

The University of Northern British Columbia, Smithsonian Institute, and Archipelago Marine Research Ltd.

The BMAP research and monitoring activities will be carried out independently by the University of Northern British Columbia's Natural Resources and Environmental Studies Institute, the Smithsonian Conservation Biology Institute's Center for Conservation, Education and Sustainability in Washington, D.C., and Archipelago Marine Research Ltd., a private company with extensive local and international marine research experience.

All of the research will be conducted using recognized scientific protocols and the results will be peer-reviewed by independent scientists.

The university partnership offers exciting opportunities between industry and local educational institutions to advance research on biodiversity monitoring in British Columbia.

The Smithsonian Institute's Center for Conservation, Education and Sustainability has partnered with corporations in several countries to develop the framework to carry out the BMAP. Their work with the Kitimat LNG Project will be the first BMAP in Canada.

Archipelago Marine Research has over 35 years of experience surveying and assessing B.C.'s coastal environment and has pioneered a number of long-term, coastal monitoring programs.

The BMAP will include peer review and advice at all stages of the project and will be overseen and directed by a steering committee with a representative from each of the members.

For more information about the Kitimat LNG Project:

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Kitimat LNG

