



1914 Northfield Road, Nanaimo,  
BC **CANADA** V9S 3B5

Tel : 1-250-729-8899

Fax : 1-250-729-8896

**N.A. Toll Free: 1-888-729-8890**

E-mail : [marketing@seamor.com](mailto:marketing@seamor.com)

Website: [www.seamor.com](http://www.seamor.com)

**To boldly go where no ROV has gone before:  
Outer-space scientists choose the SEAMOR ROV  
for field research.**

When **NASA** and the **Canadian Space Agency** needed an ROV to conduct research on the oldest life forms on Earth to help with future missions to Mars, they contacted **SEAMOR Marine Ltd.**

Knowing they would need a **reliable system** that could **easily be launched** from any boat, Dr. Mark Micire (DARPA/NASA) reached out to **SEAMOR Marine Ltd.** in the summer of 2013. Dr. Micire noted that after having examined and test-flying other ROVs, he chose **SEAMOR's system** as they were "**best-in-breed for all ROVs we tested up there**". SEAMOR was interested in assisting with the scientific endeavours proposed, and agreed to work on the project through the summers of 2013 and 2014.

Using the **Chinook** system, the interdisciplinary team of scientists and researchers were able to inspect microbialites, ancient microorganisms that form structures similar to corals or "cauliflower" at the bottom of specific freshwater bodies of water such as at Pavilion Lake in British Columbia. The Chinook used was equipped with a **high-definition camera** with **built-in dimmable lights**, and **powerful auxiliary lights** to further help the research team view and film their explorations.

All **SEAMOR ROV's** are designed with **powerful thrusters** that enable operators to **move the vehicle quickly and accurately**. Because the vehicle is trimmed to be positively buoyant, the thrusters are directed away from the underside of the vehicle and will not kick up particulate matter from the lake bottom when hovering in place. These clever features ensure that the camera's field of **view is clear and unobstructed**.

The **Chinook** is **intuitive to use** and the research team was able to **master its operations quickly** in order to focus on their scientific explorations. Having used the system, Donnie Reid (Project Manager for the Pavilion Lake Research Project) described the Chinook as being a "**Cadillac vehicle, a Rolls Royce vehicle in the ROV world**".

**SEAMOR Marine Ltd.** is proud to have its vehicles support this and other important scientific research.

