

# Headwaters to Deepwaters II November 7–9, 2008

SAANICH INLET SYMPOSIUM  
NOVEMBER 7<sup>TH</sup> 9:00 A.M. TO 5:15 P.M.  
DUNSMUIR LODGE, 1515 MCTAVISH ROAD, NORTH SAANICH, B.C.



## *Purpose of Symposium:*

- ◆ To review (and update) existing ecosystem information for the Saanich Inlet ecosystem (marine and nearshore environments);
- ◆ To adapt a set of indicators to measure the ecological health of the Saanich Inlet ecosystem; and,
- ◆ To determine next steps for monitoring the ecological health of the Saanich Inlet ecosystem, and effective ways to protect and restore this health.

## PROGRAM

### 9:00 AM WELCOME

First Nations welcome

Moderator: Phil Lambert, former Curator of Invertebrate Zoology, Royal BC Museum

### 9:20 AM SETTING THE STAGE

**Ian Bruce**, Peninsula Streams

*Purpose of Headwaters to Deepwaters II and introduction to the Saanich Inlet Ecosystems Roundtable*

**Dr. Earl Claxton Sr.**, Saanich First Nation

*The Inlet: A First Nations perspective*

### 9:40 AM THE HEALTH OF THE SAANICH INLET: WHAT DO WE KNOW?

Presentations on ecosystem health of the Saanich Inlet: water quality, habitat and species, impacts of climate change and the impacts from surrounding watersheds.

**Dr. Tim Parsons**, Honorary Research Scientist Emeritus, Institute of Ocean Sciences

*Saanich Inlet phytoplankton, fish and people: seasonal changes and why we should care*

**Frank Whitney**, Chemical Oceanographer Emeritus, Fisheries and Oceans Canada with **Darrio Stucchi**, Physical Oceanographer, Fisheries and Oceans Canada

*Oxygen loss and warming in the Saanich Inlet*

**Misty MacDuffee**, Vice-chair, Raincoast Conservation Foundation

*Saanich Inlet watersheds: What we do to the land, we do to the Inlet*

### 11:00 AM BREAK

### 11:30 AM NEW AND EVOLVING RESEARCH

**Dr. Richard Dewey**, VENUS Associate Director, Research, University of Victoria.

*VENUS: The World's Most Advanced Ocean Monitoring Facility Takes the Pulse of Saanich Inlet*

**Dr. Philippe Tortell**, Department of Earth and Ocean Sciences / Botany, UBC with **Dr. Steven Hallam**, Centre for Microbial Diversity and Evolution and Dept. of Microbiology and Immunology, UBC

*The Microbial Foundations of Ecosystem Health in Saanich Inlet*

12:30 AM BREAK LUNCH BREAK

**1:30 PM CLIMATE CHANGE: PAST, PRESENT AND FUTURE**

**Dr. Audrey Dallimore**, Marine Geologist, Geological Survey of Canada-Pacific and Assistant Professor, Royal Roads University

*Unlocking the deep past of the natural and human histories of B.C.'s coast to help plan for our future under a changing climate*

**2:00 PM MEASURING THE HEALTH OF THE SAANICH INLET**

**Robin Brown**, Manager, Ocean Sciences Division, Institute of Ocean Sciences

*A review of indicator work in the Saanich Inlet*

**2:15 – 4:00 PM WORKSHOPS: DEVELOPING ECOSYSTEM INDICATORS**

Four facilitated discussion sessions to identify and refine a suite of indicators to track the health of the Saanich Inlet.

- ◆ Water quality
- ◆ Habitat and species
- ◆ Watershed health
- ◆ Climate change impacts and adaptation

**4:00 PM MOVING FORWARD: WHAT SHOULD WE DO ABOUT IT?**

Report back from workshops

Panel discussion on actions to improve the health of the Saanich Inlet ecosystem

Panelists:

**Nikki Wright**, Executive Director, SeaChange Marine Conservation Society

**Richard Dewey**, University of Victoria

**Steven Hallam**, University of British Columbia

**Robin Brown**, Fisheries and Oceans Canada

**Barron Carswell**, Ministry of Environment

**Nick Xumthoult Claxton**, Tsawout, Saanich Nation

**5:15 PM WRAP UP AND ADJOURN TO ART SHOW AND RECEPTION**