



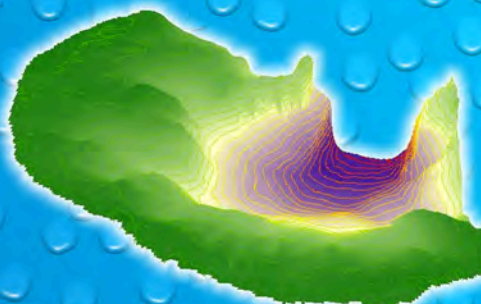
## *From species to ecosystems ...*

- ◆ Plankton identification
- ◆ Benthic macroinvertebrate analysis
- ◆ Marine vertebrate and invertebrate identification
  - ◆ Fish scale analysis
- ◆ Species distribution mapping and modelling
- ◆ Biodiversity analysis



## *From water quality to ocean mapping ...*

- ◆ Bottom sampling (KB corer or Ponar grab)
- ◆ Water sampling (Niskin-style bottle)
- ◆ Measurements of seawater properties (salinity, temperature, oxygen)
- ◆ Doppler current measurements
- ◆ Seabed visualization (single-beam sounder, multibeam sonar, side-scan sonar)
- ◆ Mapping and GIS
- ◆ Benthic terrain modelling



## *From shoreline to sea floor ...*

- ◆ Shoreline surveys
- ◆ Benthic video surveys
- ◆ Environmental assessment
- ◆ Conservation planning
  - ◆ Oil spill modelling
- ◆ Ocean circulation modelling

*Wherever in the ocean . . . we help  
to bring a better understanding  
about our marine environment!*





*Dr. Barb Faggetter is a Registered Professional Biologist with a B.Sc. in chemistry/biochemistry (UBC) and a Ph.D. in biological and chemical oceanography (UBC). Her work is highly multidisciplinary, ranging from plankton and macroinvertebrate sampling and identification, shoreline habitat assessments, benthic video surveys, and habitat modeling and mapping to sidescan and multibeam sonar research, and oceanographic modeling. She has been a consultant on the BC coast since 1994, and has been involved in a wide variety of projects that have taken her from the intertidal zone to the ocean depths.*



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*Captain Kennard Hall has been employed in the marine industry since 1972. His qualifications include Captain of vessels to 60 tons with 12 passengers (Master Limited 60 tons) and Captain of fishing vessels to 100 tons (Fishing Master 4). He has significant experience in ocean research, including diving, collection of underwater samples, use of underwater cameras, and design and construction of specialized electronics. He is experienced in research and survey techniques suited to coastal environments and the use of various computer systems for data collection. Captain Hall has extensive and detailed knowledge of the physical and biological oceanography of the British Columbia coast.*



*Based out of Prince Rupert, Ocean Ecology operates the 40 foot research vessel Moody Blue on the west coast of British Columbia. We combine in-depth knowledge of the west coast marine environment with scientific expertise in the fields of biology, chemistry, and oceanography.*

*Using high-tech tools for oceanographic sampling and data collection, we are able to gather detailed information about the marine environment. Powerful computer mapping and modelling techniques allow us to analyse and visualize this data, giving us a greater understanding of our oceanographic world.*

*"There are good things to see in tidepools and there are exciting and interesting thoughts to be generated from the seeing. Every new eye applied to the peep hole which looks out at the world may fish in some new beauty and some new pattern, and the world of the human mind must be enriched by such fishing."*

*John Steinbeck, in the forward from  
Between Pacific Tides*

