

Meet the Experts

David Roche, M.A.Sc., P. Eng – Project Manager

David Roche is a project manager and hydrotechnical engineer specializing in modelling and management of river hydrology and hydraulics. David's 13 years of experience in civil and hydrotechnical engineering include numerical and physical modeling, streamflow analyses, water supply studies, green energy assessments, geohazard mitigation, infrastructure design and review, contract administration, construction field services, and project management.

David Sellars, M. Sc., P. Eng – Senior Water Resources Engineer

David Sellars has over 40 years of consulting experience, specializing in water resources planning, hydrology, hydraulic design, river engineering, and environmental assessment. His broad-based expertise and experience also includes climate change analysis, shoreline erosion, risk assessment, and hydrodynamic modelling. In 2010, he helped to develop the Provincial *Coastal Floodplain Mapping – Guidelines and Specifications* report, and in 2013 was involved in the development of interim flood hazard management guidelines for West Mamquam Blind Channel.

David was the project manager for the 1994 Squamish Flood Hazard Management Plan, and has subsequently managed a number of dike breach modelling projects.

John Readshaw, P.Eng – Senior Coastal Engineer

John Readshaw has over 32 years of experience covering the full range of the coastal and ocean engineering areas of practice and he has extensive project and project management experience with a wide range of oil and gas, port and coastal oriented projects. In his practice, Mr. Readshaw has acquired a broad knowledge of, and experience with, coastal engineering issues in British Columbia waters. John is also the engineering advisor to the Technical Working Group of the GreenShores™ program undertaken by the Stewardship Centre for British Columbia. John is the primary author for Provincial guidelines relating to management and mitigation of coastal flood hazard and sea level rise, and has participated in many coastal flood hazard management projects with a strong public consultation component.

Graham Farstad, M.A., MCIP – Lead Planner

Graham Farstad is a registered professional planner with over 30 years of experience in a wide range of community planning projects and studies, both as a consultant and a municipal planning director. His planning experience includes preparation of flood hazard management plans, climate change adaptation plans, Official Community Plans, zoning bylaws, site planning, feasibility studies and public consultation. His clients have included local governments, school districts and the Province of BC.

Graham has over 20 years of history working with the District of Squamish in various capacities, including leadership roles preparing the 1994 FHMP and 1998 Official Community Plan (OCP). He has

also worked with private sector clients to address flood hazards in Downtown Squamish and other neighbourhoods.

Mike Nelson, B.Sc., RPBio – Senior Biologist

Mike Nelson is a Registered Professional Biologist with 27 years of experience conducting environmental assessments, particularly as they relate to fish and fish habitat, wetlands, and freshwater and marine ecology. In 1989 Mr. Nelson began to provide independent environmental consulting services in the field of aquatic biology. He has expertise in environmental impact assessments including limnological studies, aquatic biophysical data collection and interpretation, fish habitat inventories, benthic invertebrate studies, plankton studies, water and air quality monitoring programs, and construction supervision.

Mr. Nelson supervises the biological sciences area of Cascade Environmental Resource Group Ltd., coordinating a group of biologists and technicians in conducting environmental assessment for a variety of clients in the resource, land development, recreation and hydropower industries. He has developed his expertise in the federal and provincial Environmental Assessment Review processes through work in seven Canadian provinces and one territory; in Colorado, as well as in Australia.