Real Estate Foundation of British Columbia Partnering Fund
Award Results for 2011

Project Title & Brief Description	Recipient(s)
Floods in the Nechako River Basin *This project examines annual, monthly and daily discharge data to establish historical flood events along the Nechako river along its main stem and tributaries from 1920 to 2010. Data from a dozen gauges was extracted from the Water Survey of Canada's Hydrometric Database from such locations as Isle Pierre, and the Stuart, Nautley and Stellako Rivers. Emphasis was given to the relationship between topography, anthropogenic developments, climatic conditions and observed trends and fluctuations in stream flow in the Nechako Watershed.*	Dery, Stephen
Working Together to Protect and Enhance Land, Waterways and Health in Northern British Columbia: Leveraging the Potential of the Murray Creek Rehabilitation Project *This project uses Murray Creek as a case study to consolidate and further develop approaches to integrate, share and exchange information about health, environment and social benefits for land and water stewardship. It also studies water flow dynamics in riparian buffer zones on agricultural land so as to obtain a greater understanding of protecting and enhancing surface ground water resources and habitats.*	Parkes, Margot Owens, Phil
Salmon-Derived Nutrients: The Value of Spawning Stocks for Interior Habitat Sustainability *This project investigates the hyporheic zone as an essential pathway for the transport of marine-derived nutrients between the streambed and riparian zone. It will determine if marine-derived nutrients from the 2011 spawning salmon run is available to riparian vegetation in the Horsefly River by documenting storage of nutrients in hyporheic water samples and subsurface macro-invertebrates.*	Petticrew, Ellen
Investigation of Watershed-Scale Water Quality under Changing Land Use and Climatic Conditions in Northern British Columbia *This project investigates the combined impacts of future land use / land cover and climate changes on surface water quality through the development of a numerical model for the Kiskatinaw River Watershed. This will enable the city of Dawson Creek to make a proper land use / land cover management plan that ensures surface water quality of the Kiskatinaw River will satisfy the community requirement.*	Saha, Gopal Chandra[1] Li, Jianbing Thring, Ron

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