



# 2017 Award for Excellence in Planning RESEARCH & NEW DIRECTIONS IN PLANNING SILVER

Fraser Basin Council, Arlington Group Planning +  
Architecture Inc. & Northwest Hydraulic Consultants

In recognition of

Lower Mainland Flood Management Strategy:  
Regional Assessment of Flood Vulnerabilities (Project 2)

Phase 1 (2014-2016) of the Flood Strategy was intended to build a better understanding of flood hazards in the Lower Mainland, identify flood vulnerabilities across the region, and assess flood management practices and policies from a regional perspective. Phase 1 initiated a science-based call to action to address a critical long-term planning need – flood hazard management – that will directly or indirectly affect the majority of B.C.’s population.



Project 2 of the Strategy is the focus of this award, which aimed to quantify the vulnerabilities, consequences and overall costs of a catastrophic flood in the Lower Mainland with consideration of building related losses, critical infrastructure and facilities and agricultural losses. The assessment included the estimated costs of direct flood damages as well as indirect impacts on the economy associated with

damage and disruption to critical infrastructure and cascade effects such as disruption to cargo shipping. The project also identified the relative vulnerability of different communities and infrastructure as well as the overall vulnerability across the region. Multiple river and coastal flood scenarios were considered in order to assess risk management options.

*Awards summaries, images, and descriptions excerpted from submission documents.*