## Streamflow projection uncertainties in the major watersheds of BC

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Since 2007, the Pacific Climate Impacts Consortium (PCIC) has endeavoured to model all major watersheds draining British Columbia, Canada including the Fraser, Peace and Columbia basins. PCIC's primary approach has been to employ a macro-scale hydrologic model, the Variable Infiltration Capacity (VIC) model, which is well suited to medium to large-scale basins. In some smaller basins, a secondary hydrologic model, the Water balance Simulation Model (WaSiM-ETH) model, has been employed. Vegetation, soils and snow bands have been created for the province as a whole. Climate forcings from eight Global Climate Models each run under multiple emissions scenarios including B1, A1B and A2 have been downscaled using the Bias Corrected Spatial Disaggregation technique and from five Regional Climate Models run under A2 have been used to drive both hydrologic models out to 2070. This poster will focus on analyzing uncertainties in the projections of streamflow for several watersheds in BC due to forcing data set generation, GCM selection, emissions scenario, downscaling approach, hydrologic model parameterization and calibration with special focus on a glacier-dominated basin where both VIC and WaSiM-ETH have been applied.