Projected change by 2050

**Temperature**
- Summer increase 3 °C
- Winter increase 2.5 °C

**Precipitation**
- Annual increase 4%
- Summer **decrease** 14%
- Winter increase 8%
- More frequent extreme rainfall events

**Hydrology**
- Less water storage as snow
- Spring peak flow 4-6 weeks earlier
- More frequent flooding
- Longer summer low flow period

---

1 Rounded median values from several models and emission scenarios. Strong agreement among models for temperature. Precipitation projections are uncertain at regional scale.
2 Based primarily on warmer temperature.

---

More information on the www...
Pacific Climate Impacts Consortium: pacificclimate.org
Environment Canada: cccma.ec.gc.ca and ecinfo.ec.gc.ca/env_ind/region/climate/climate_e.cfm
Washington Climate Impacts Group: cses.washington.edu/cig/
BC MoE: env.gov.bc.ca/air/climate

---

**Sample of projected change to stream flow pattern modelled in the Okanagan (Cohen et al 2004)**

Spring peak flow occurs earlier.
Okanagan example of modelled scenario (Cohen et al 2004)