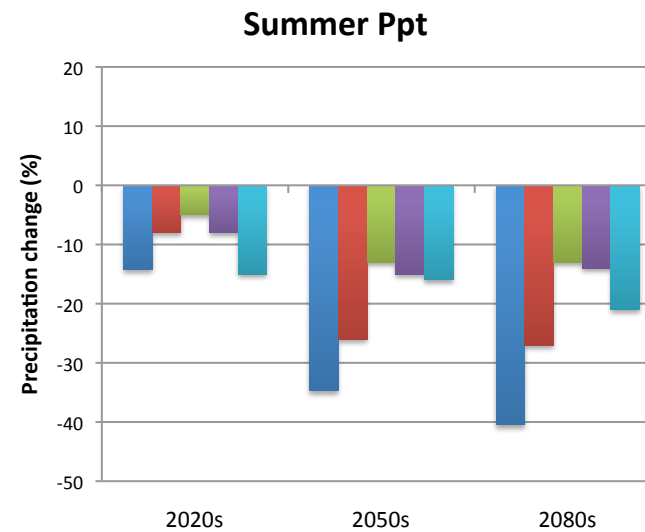
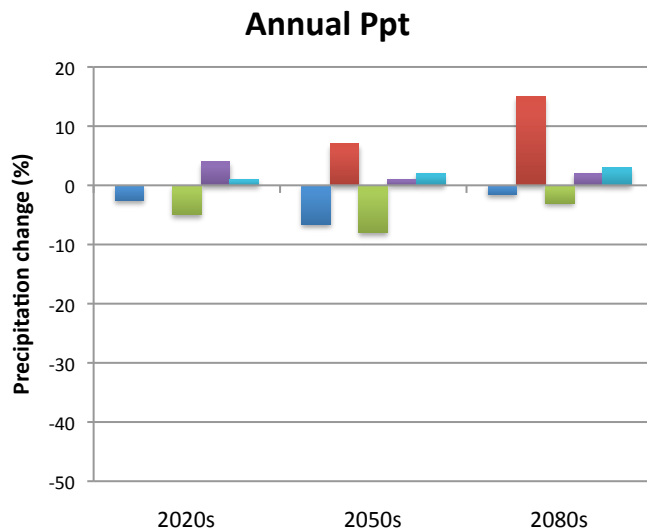
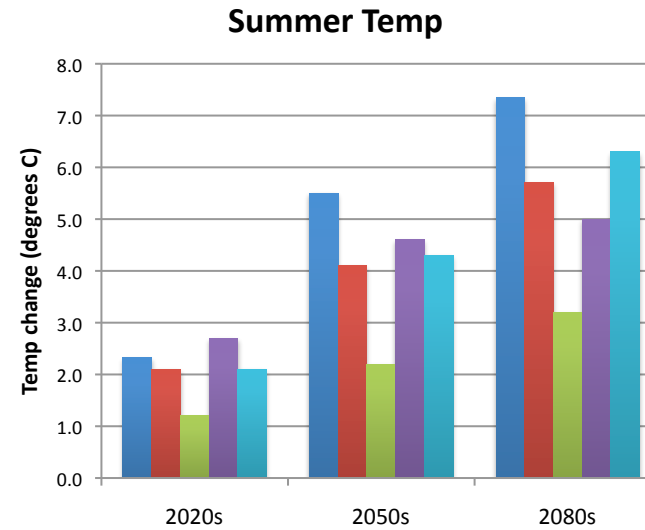
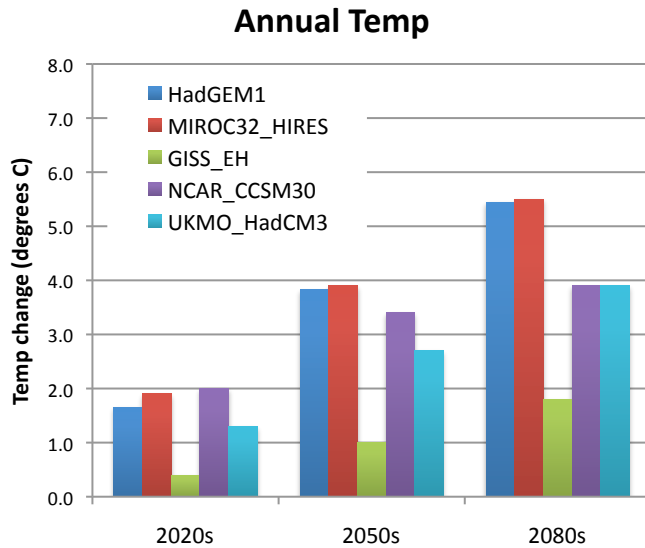
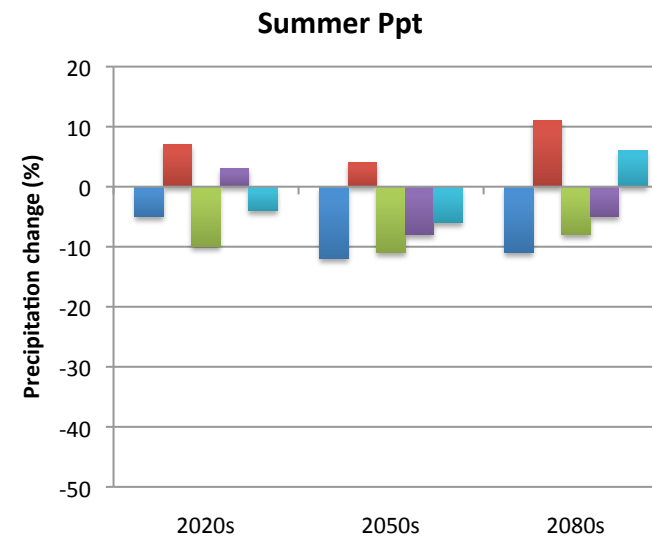
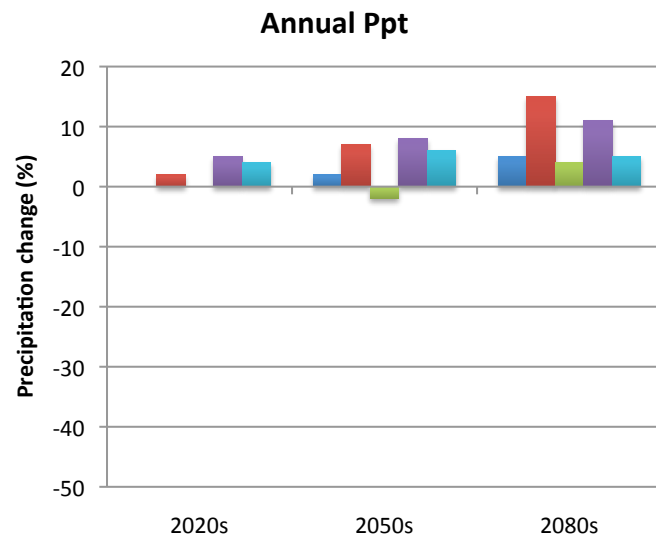
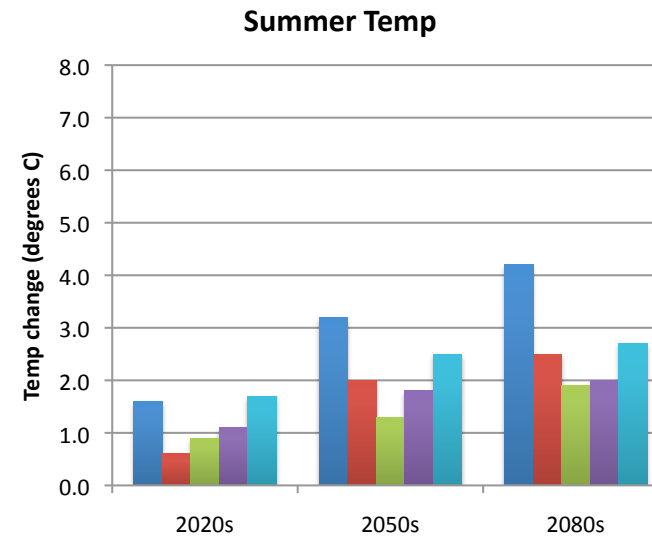
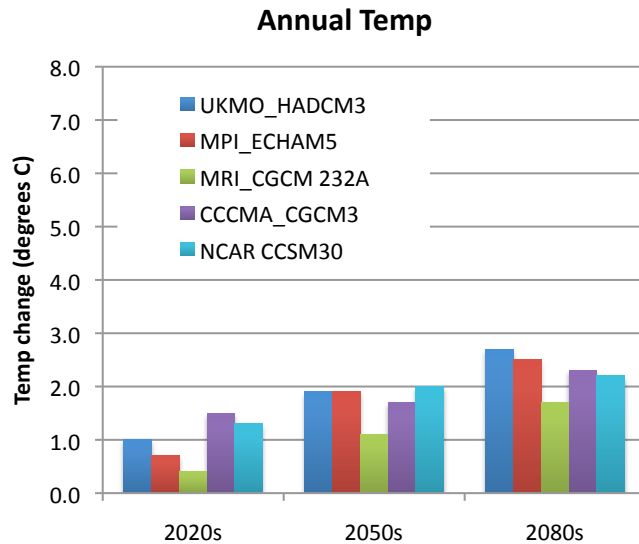


Climate Models and Scenarios: High A1B (IPCC Fourth Assessment (AR4))



Climate Models and Scenarios: **Low B1** (IPCC Fourth Assessment (AR4))



Climate Models and Scenarios: **Downscaling**

Use Direct method extrapolating daily local climate data based on monthly change projections to adjust

Temperture change → add degrees C

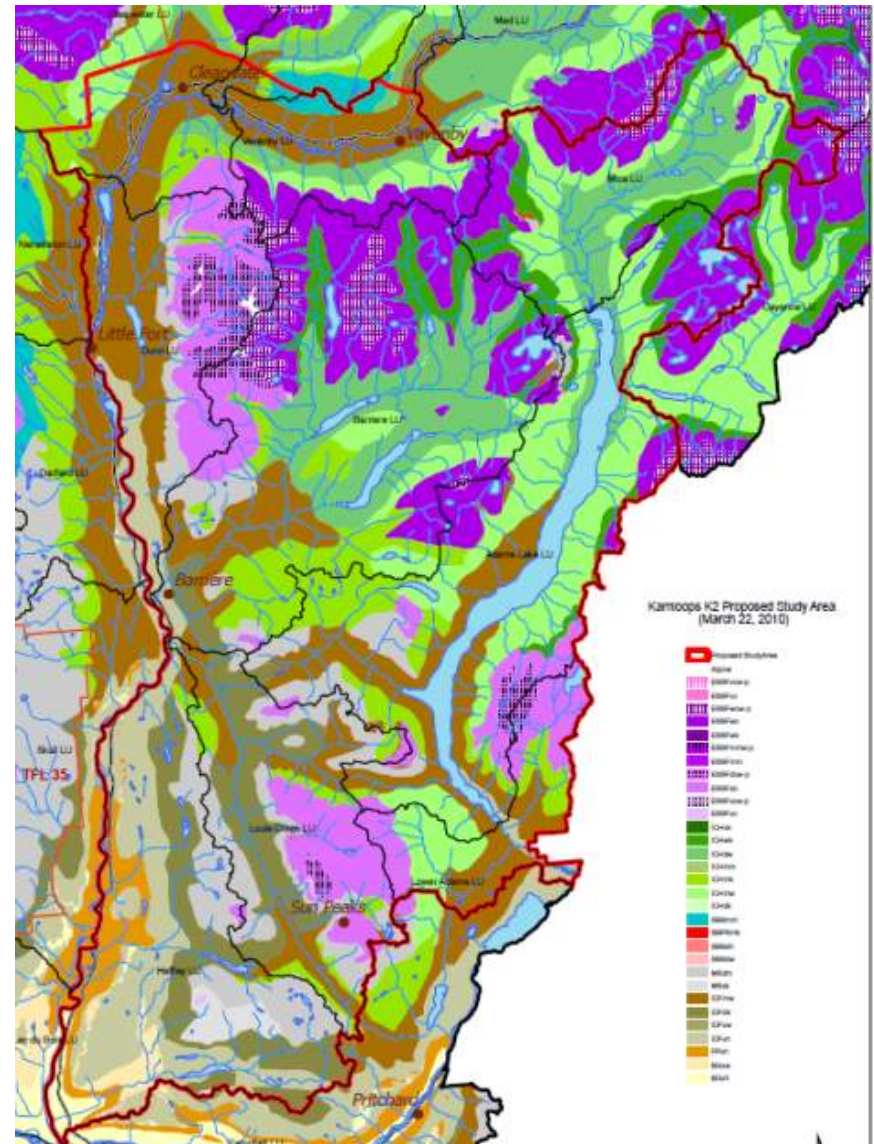
Precip change → use multiplier

2020s					2050s				
Month	Min T	Max T	Mean T	Precip	Month	Min T	Max T	Mean T	Precip
January	0.8	1.3	0.9	0.96	January	2.7	3.7	3	1.09
February	0.5	0.9	0.7	0.98	February	1.9	2	1.9	0.92
March	1.1	1.3	1.2	1.03	March	1.9	2.6	2.1	1.07
April	1.6	2.4	1.9	0.99	April	3.1	5.1	3.8	1.08
May	2.6	2.8	2.7	1.11	May	4.3	4.5	4.4	1.15
June	2.2	2.5	2.4	0.9	June	4.2	4.8	4.5	0.72
July	2.4	2.6	2.5	0.9	July	5.5	6.2	5.9	0.63
August	2.2	2.5	2.4	0.85	August	5.4	5.9	5.6	0.51
September	1.9	2.2	2	0.78	September	5.8	6.2	6	0.75
October	1	1.3	1.2	1.21	October	3	3.3	3.2	1.04
November	0.8	1	0.9	0.98	November	2.4	2.7	2.6	1.2
December	1	1.2	1.1	1	December	2.6	3.3	2.9	1.05

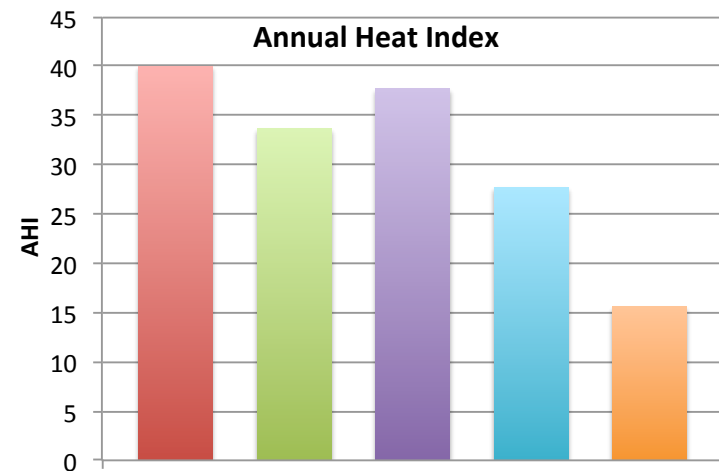
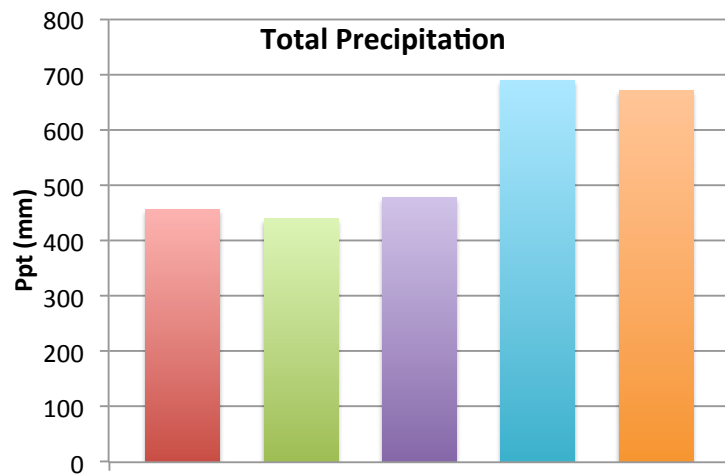
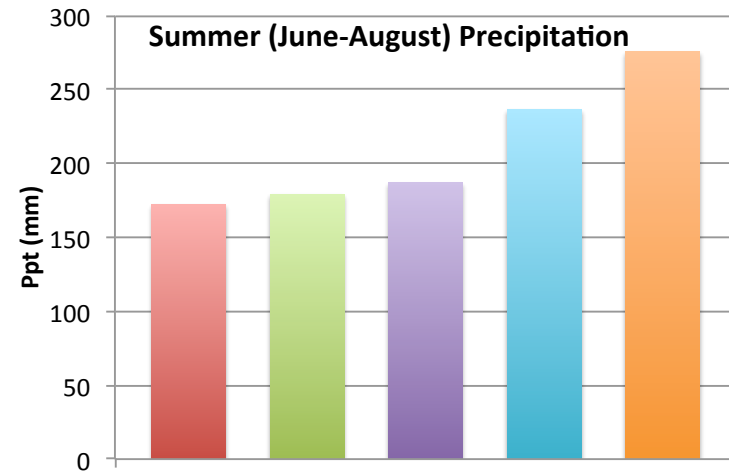
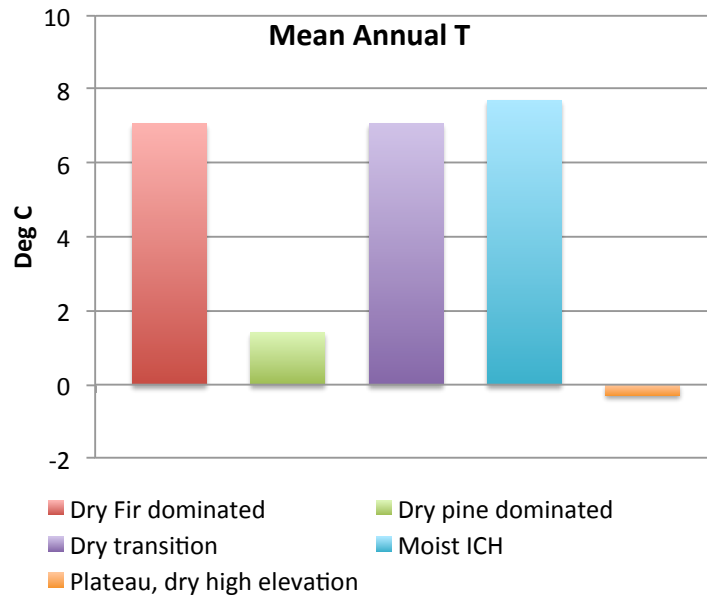
Climate Models and Scenarios: Core Stand Units for Modeling

ID	Core units	Weather stations
1	Dry Pine dominated	Logan Lake, Heffley Creek, Red Lake
2	Dry Fir dominated	McLure
3	Dry transition	Darfield
4	Moist ICH	Chinook Cove, Eagle Bay, Sicamous
5	Plateau, dry high elevation	Sun Peaks
6	Wet, high elevation	Sicamous Creek

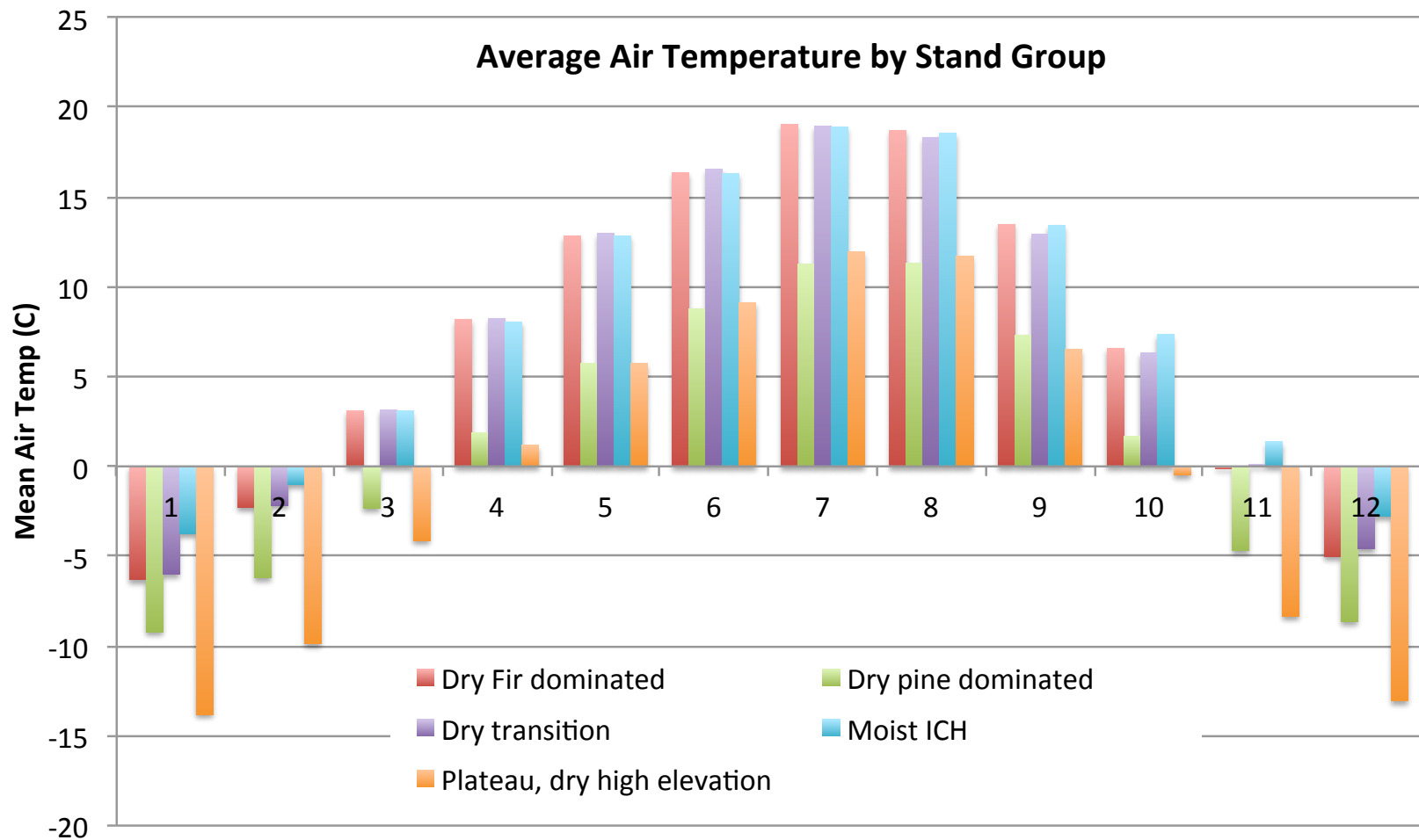
- **Representative weather stations to be used for downscaling and building climate change scenarios**



Description of the Baseline Climate Regimes for the Ecological Groups

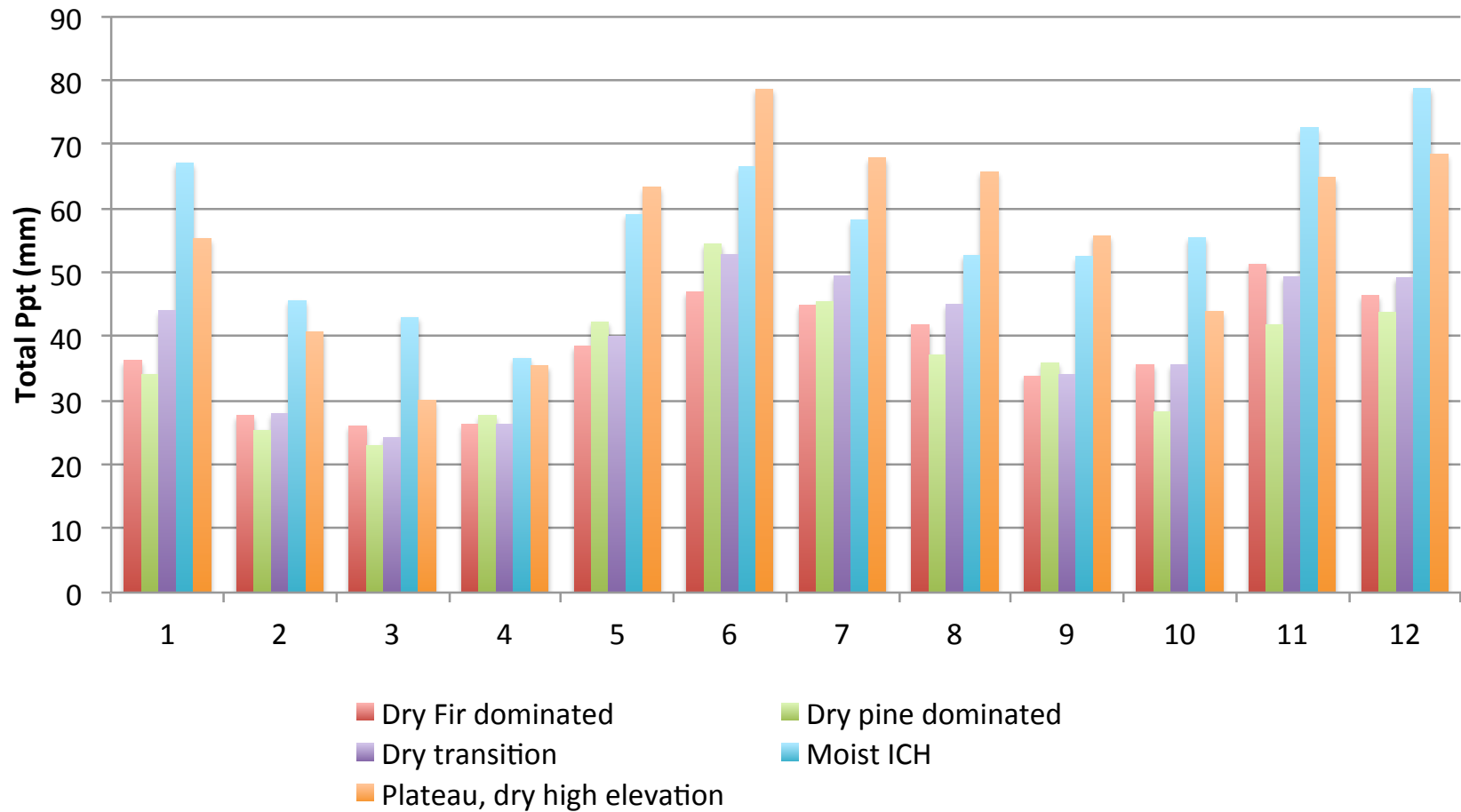


Description of the Baseline Climate Regimes for the Ecological Groups

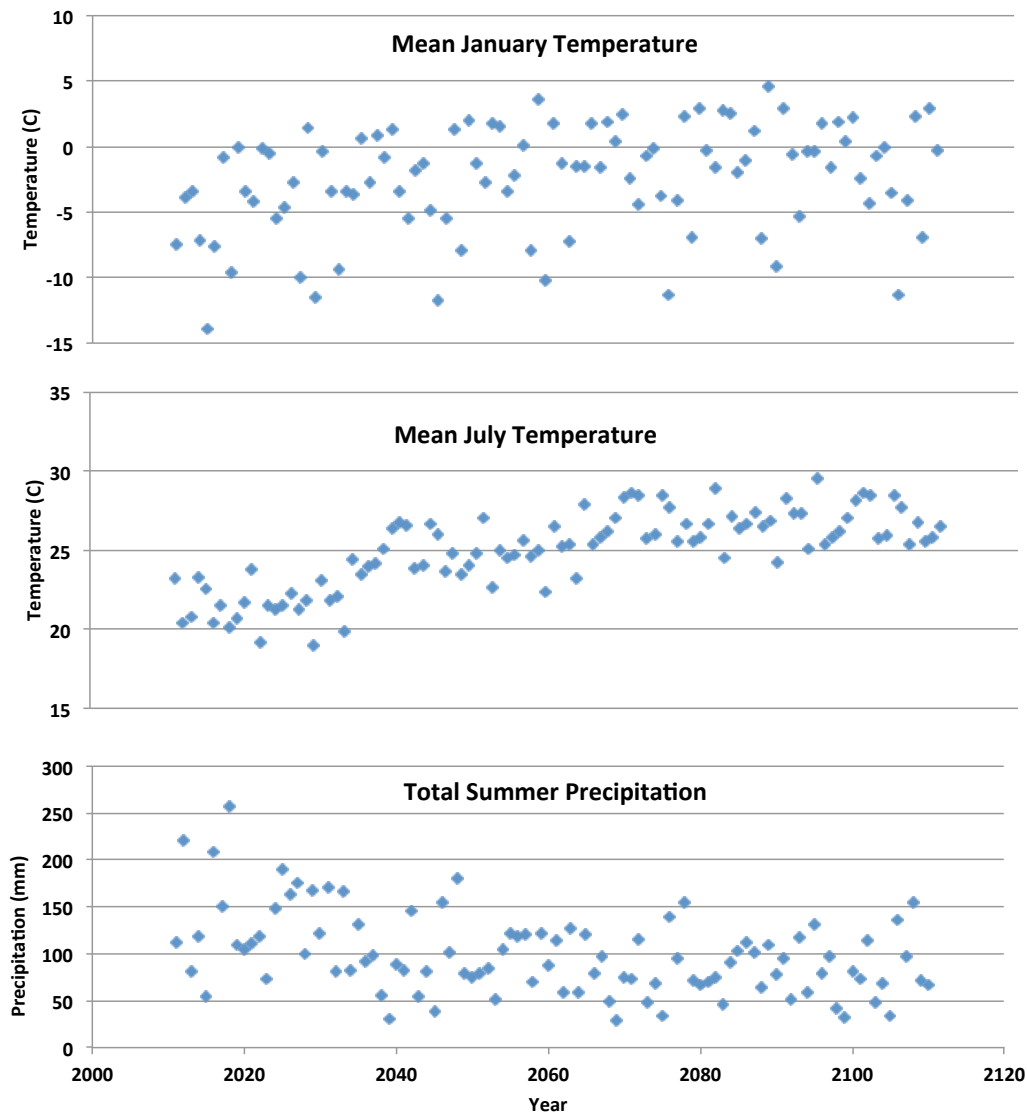


Description of the Baseline Climate Regimes for the Ecological Groups

Average Monthly Ppt by Stand Group



Example of downscaled data for the Dry Transition: High CC scenario - progressive change



2010-2035 = 2020's

2036-2065 = 2050's

2066-2110 = 2080's



UBC



Forestry