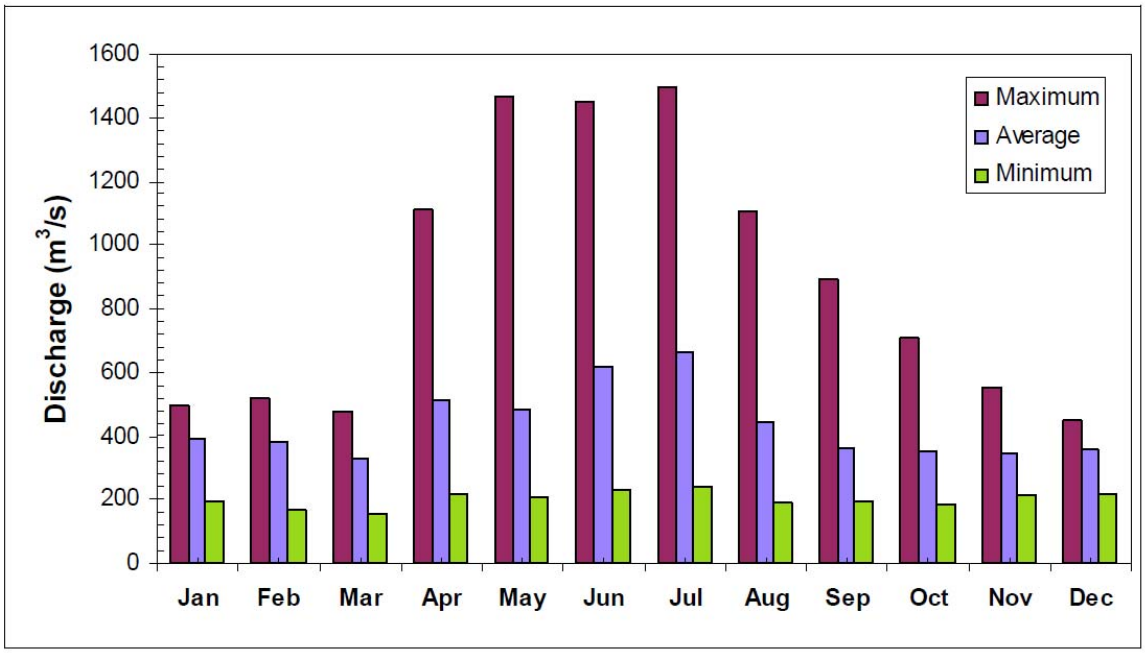


Note: Based on Data from the North Saskatchewan River at Prince Albert (05GG001) and the South Saskatchewan River at Saskatoon (05HG001), 1969–2009.

Figure 6.5-1: Monthly Flows in the Saskatchewan River near the Project

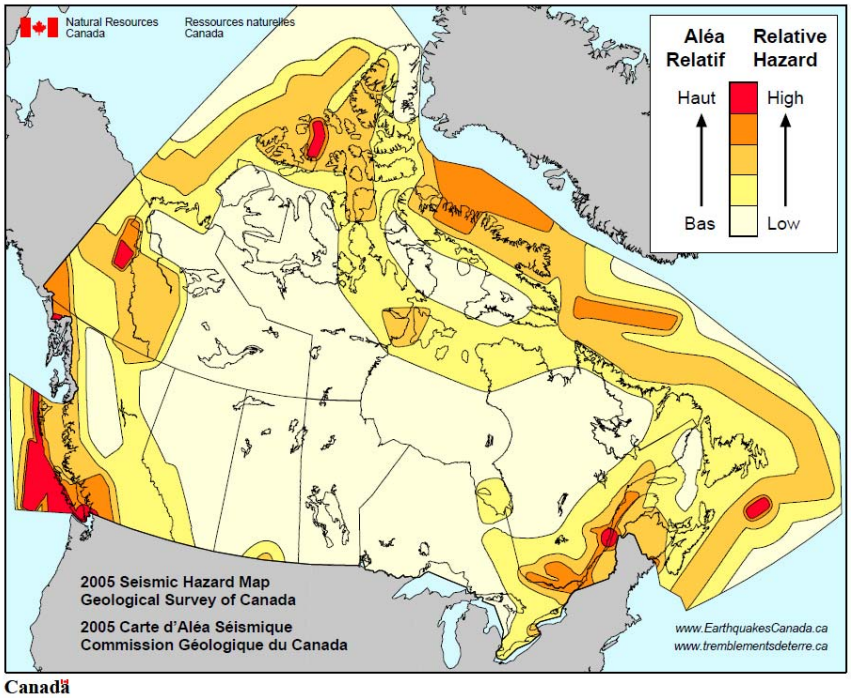


Figure 6.5-2: 2005 Seismic Hazard Map - Geological Survey of Canada

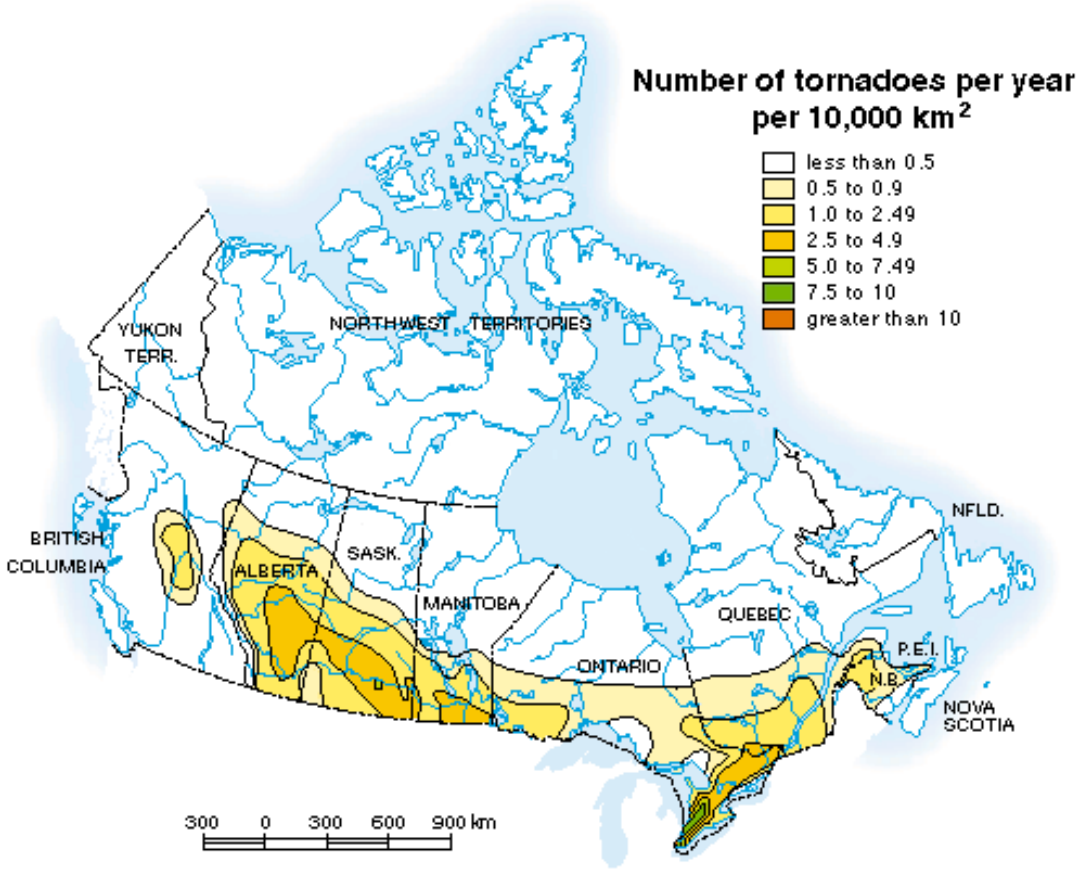
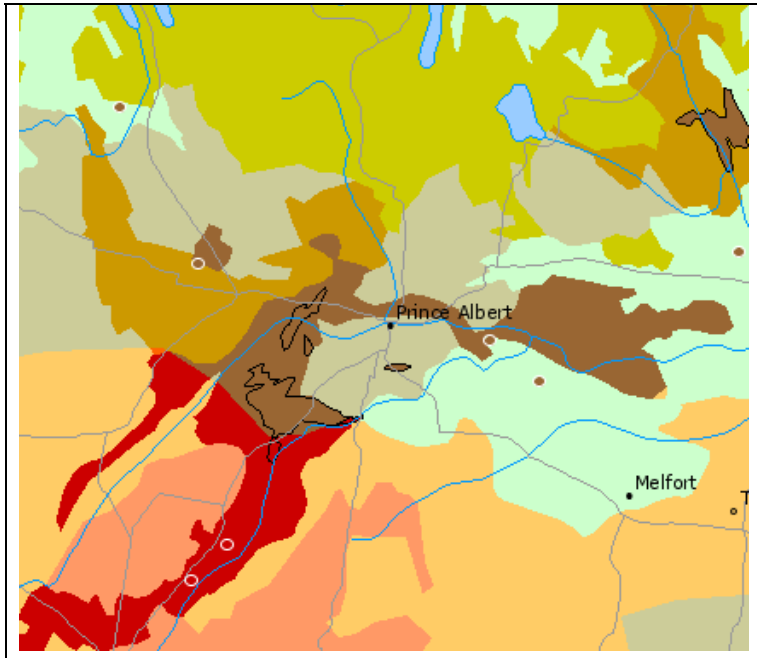


Figure 6.5-3: Number of Tornados per Year in Canada

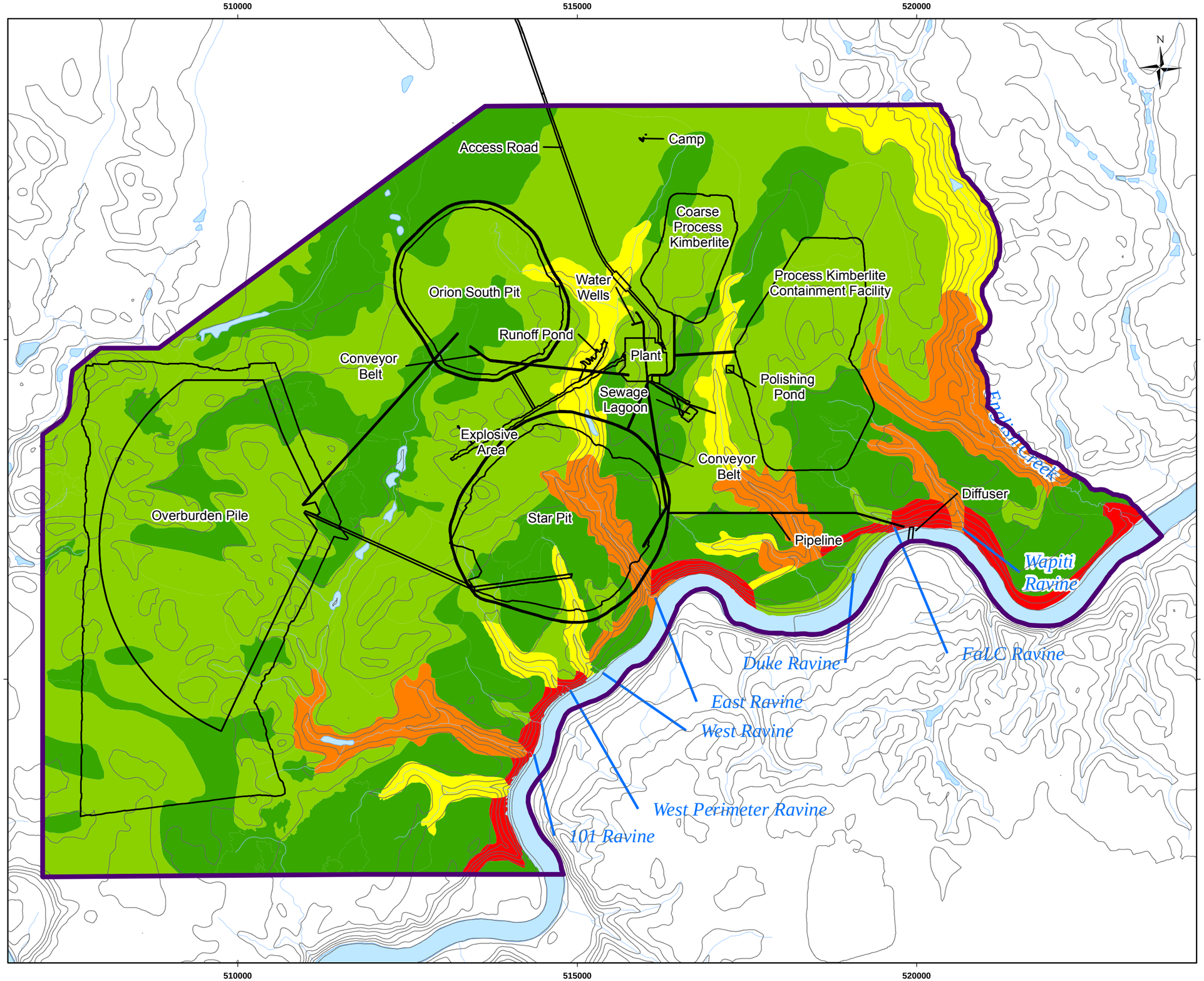


Wind Erosion Risk Areas with Moderate Climatic Sensitivity

- Severe wind erosion risk
- High wind erosion risk
- Moderate wind erosion risk
- Low wind erosion risk

Reference:
http://atlas.nrcan.gc.ca/site/english/maps/climatechange/potentialimpacts/winderosionclimatesensitivity

Figure 6.5-4: Wind Erosion Risk



Legend

- Project LSA

Terrain Stability Class

- Class 1 – Negligible likelihood of landslide initiation
- Class 2 – Very low likelihood of landslide initiation
- Class 3 – Low likelihood of landslide initiation
- Class 4 – Moderate likelihood of landslide initiation
- Class 5 – High likelihood of landslide initiation
- Water
- Contour (10 m)
- Mine Facilities

Scale: 1:55,000

1 0.5 0 1 2

Kilometres

Note:
Based on Pre-feasibility Study

Reference
Terrain stability classes assigned to terrain polygon boundaries according to British Columbia Ministry of Forests (1999)

CLIENT: Shore Gold Inc.

PROJECT: Star - Orion South Diamond Project

Project Case on Terrain Stability

DATE:	ANALYST:	**Figure** 6.5-5
August, 2012	EO	
JOB No: SX0373301	QA/QC: KK	PDF FILE: 05-100-010_v2_project_stab.pdf
GIS FILE: 05-100-010_v2.mxd		
PROJECTION: UTM Zone 13	DATUM: NAD27	amec

Y:\GIS\Projects\SX\SX03733_Shore-Gold_Diamond_1Mapping\05_terrain-geology-soils\Baseline\05-100-010.mxd

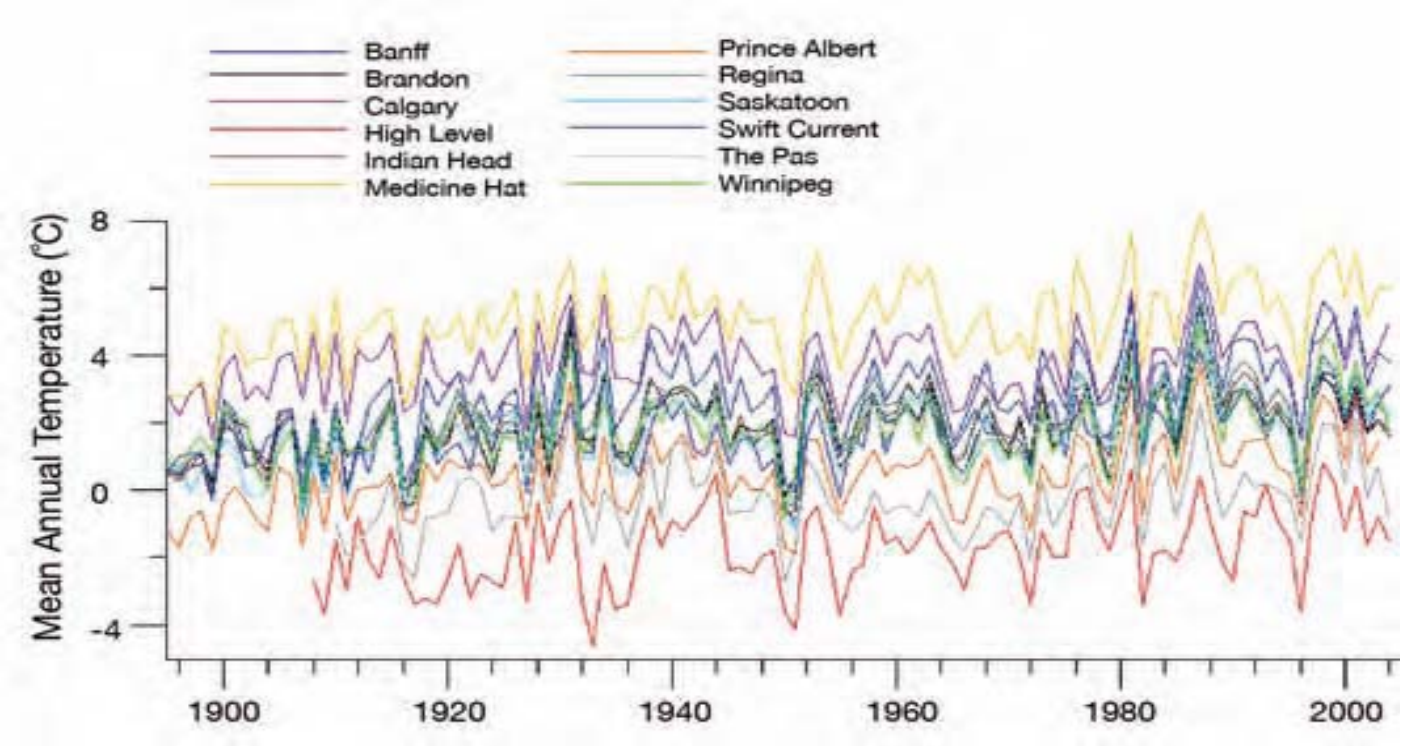


Figure 6.5-6: Trends in Mean Annual Temperature since 1895 for 12 Climate Stations Across the Prairies(Sauchyn and Kulshreshtha 2008)

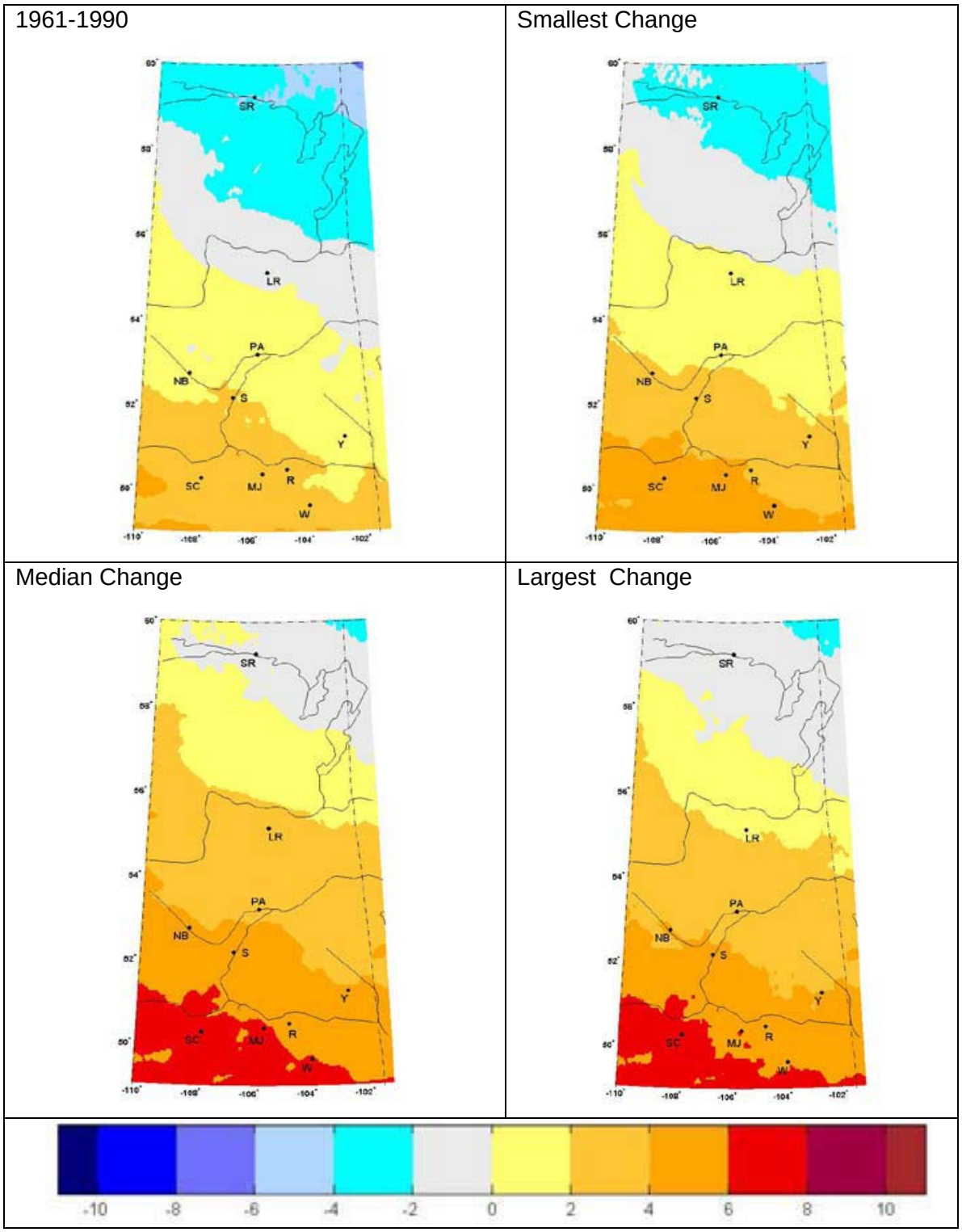


Figure 6.5-7: Annual Mean Temperature (°C) for the 2050s (Barrow 2009)

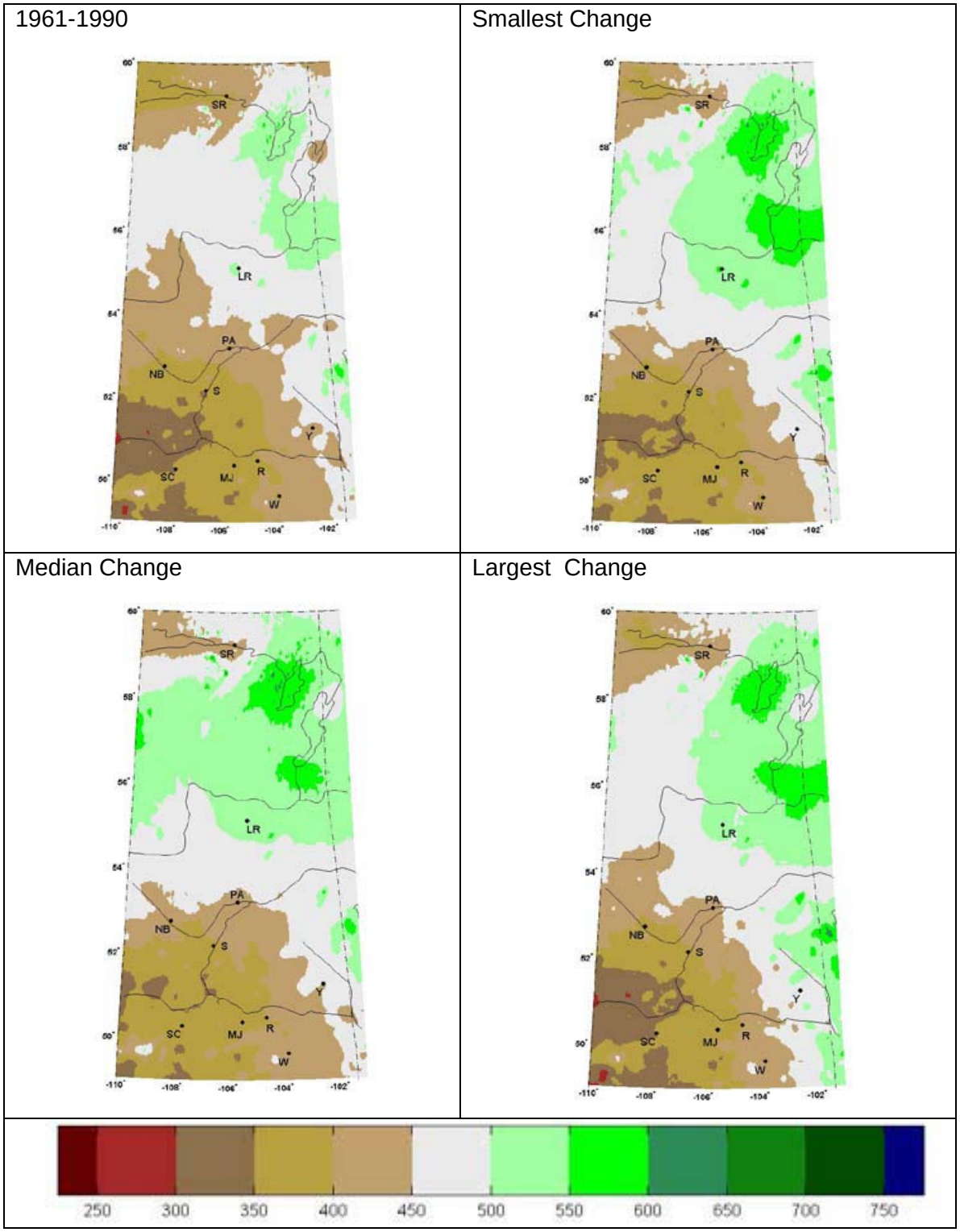


Figure 6.5-8: Annual Mean Precipitation (mm) for the 2050s (Barrow 2009)