

Snow and Ice Loading Zones

Weather Loading Summary - AESO Tower Development

Wet Snow & Wind Loadings

100 Year Return Values

	Radial Wet Snow Accretion (mm)	Wind Speed (km/hr) at 10m Height	Wind Pressure (Pa) at 20 m Height	Wind Pressure (Pa) at 30 m Height	Wind Pressure (Pa) at 40 m Height
Zone A	70	77	295	320	340
Zone B	70	71	240	260	280
Zone C	50	67	210	230	245
Zone D	50	64	190	205	220

75 Year Return Values

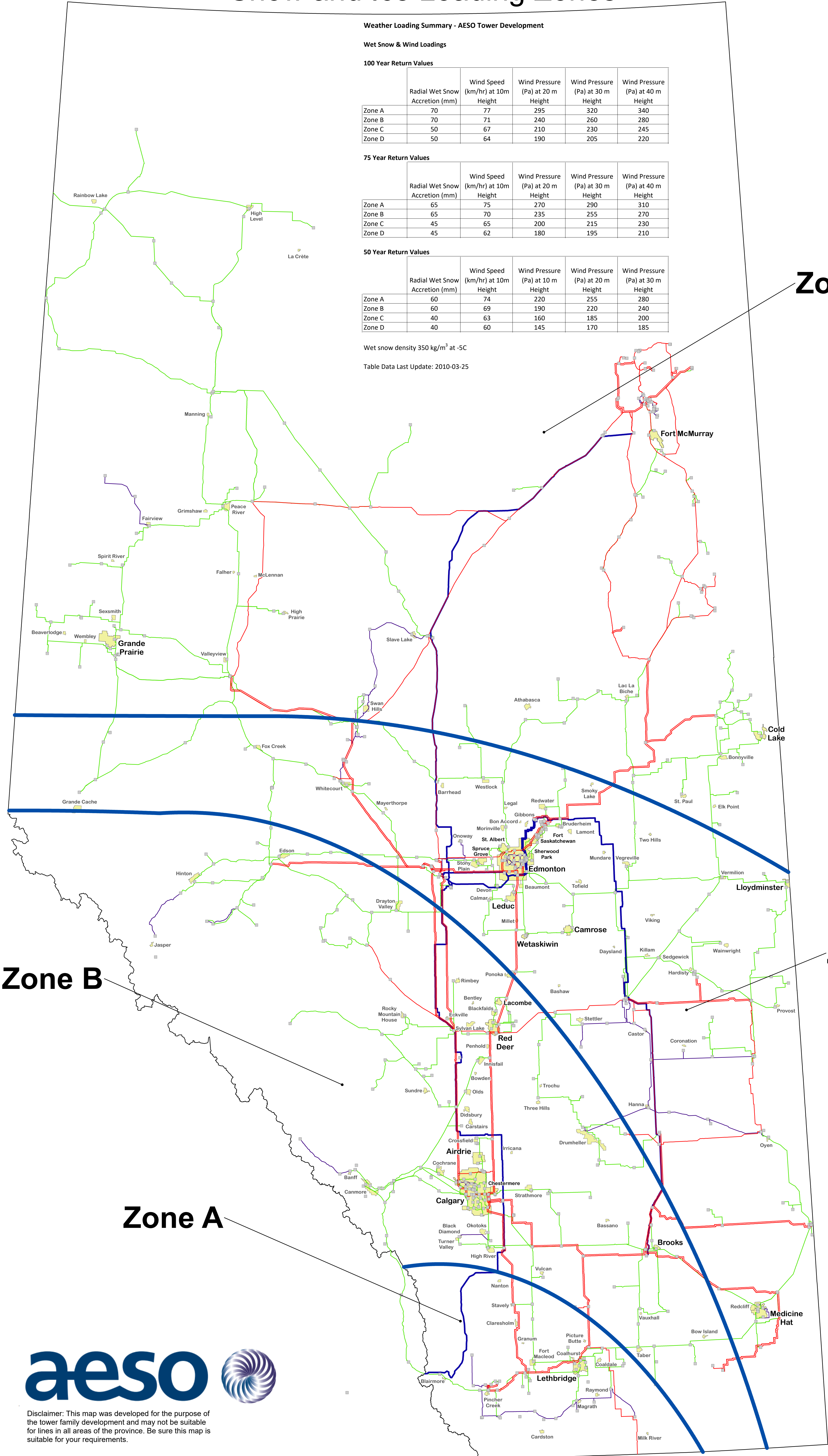
	Radial Wet Snow Accretion (mm)	Wind Speed (km/hr) at 10m Height	Wind Pressure (Pa) at 20 m Height	Wind Pressure (Pa) at 30 m Height	Wind Pressure (Pa) at 40 m Height
Zone A	65	75	270	290	310
Zone B	65	70	235	255	270
Zone C	45	65	200	215	230
Zone D	45	62	180	195	210

50 Year Return Values

	Radial Wet Snow Accretion (mm)	Wind Speed (km/hr) at 10m Height	Wind Pressure (Pa) at 10 m Height	Wind Pressure (Pa) at 20 m Height	Wind Pressure (Pa) at 30 m Height
Zone A	60	74	220	255	280
Zone B	60	69	190	220	240
Zone C	40	63	160	185	200
Zone D	40	60	145	170	185

Wet snow density 350 kg/m³ at -5C

Table Data Last Update: 2010-03-25



Zone D

Zone C

Zone B

Zone A



Disclaimer: This map was developed for the purpose of the tower family development and may not be suitable for lines in all areas of the province. Be sure this map is suitable for your requirements.