

RDOS – Climatic Data

Location	Elevation	Design Temperature				Degree Days Below 18°C	15 min rain, mm	One day rain, 1/50, mm	Annual Rain, mm	Moist. Index	Annual Total Prec.	Driving Rain Wind Pressure, Pa, 1/5	Ground Snow Load, kPa, 1/50		Hourly wind pressure		Frost Depth
		January		July 2.5%									Ss	Sr	1/10	1/50	
		2.5%	1%	Dry	Wet												
Town of Osoyoos	285 m	-14	-17	35	21	3100	10	48	275	0.28	310	60	1.1	0.1	0.31	0.4	600 mm
Vaseux, Oliver , Osoyoos, Anarchist Richter Pass	Up to 500 m	-16	-18	33	20	3250	10	48	275	0.28	310	60	1.1	0.1	0.31	0.5	600 mm
Vaseux, Oliver, Osoyoos, Anarchist Richter Pass	500-750 m	-16	-18	33	20	3900	10	48	275	0.28	310	60	2.0	0.1	0.3	0.5	600 mm
Vaseux, Oliver, Osoyoos, Anarchist Richter Pass	750-1000 m	-19	-22	30	20	4400	10	50	320	0.36	500	70	2.9	0.3	0.31	0.4	600 mm
Vaseux, Oliver, Osoyoos, Anarchist Richter Pass	Over 1000 m	-20	-22	29	18	4900	10	50	320	0.36	510	70	4.1	0.3	0.31	0.4	600 mm*
City of Penticton	350	-15	-17	33	20	3350	10	48	275	0.28	300	60	1.3	0.1	0.35	0.45	600 mm
OK Falls, Kaleden & Skaha Lake	Up to 600 m	-16	-18	33	20	3500	10	48	275	0.28	300	60	1.3	0.1	0.4	0.59	600 mm
OK Falls, Kaleden & Skaha Lake	Over 600 m	-16	-18	33	20	3800	10	48	275	0.28	300	60	2.0	0.1	0.4	0.59	600 mm
West Bench/Sage Mesa/Husula	Up to 600 m	-16	-18	33	20	3500	10	48	275	0.28	300	60	1.3	0.1	0.4	0.59	600 mm
Carmi, Falconridge & Twin Lakes	Up to 800 m	-20	-22	31	19	4000	10	50	280	.28	390	60	2.4	0.2	0.35	0.45	600 mm
Carmi, Falconridge & Twin Lakes	Over 800 m	-24	-26	30	19	4350	10	50	280	0.28	430	60	3.1	0.2	0.35	0.45	600 mm
Apex	1840 m	-25	-28	25	19	5850	10	49	200	0.24	580	60	5.5	0.3	0.31	0.40	1200 mm

Climate zones:

Zone 5 – 3000 to 3999 HDD

Zone 6 - 4000 to 4999 HDD

Zone 7A – 5000 to 5999 HDD

Location	Elevation	Design Temperature				Degree Days Below 18°C	15 min rain, mm	One day rain, 1/50, mm	Annual Rain, mm	Moist. Index	Annual Total Prec.	Driving Rain Wind Pressure, Pa, 1/5	Ground Snow Load, kPa, 1/50		Hourly wind pressure		Frost Depth
		January		July 2.5%									Ss	Sr	1/10	1/50	
		2.5%	1%	Dry	Wet												
Naramata, Summerland North & Faulder	Up to 600 m	-18	-20	31	19	3700	10	48	275	0.28	300	60	2.0	0.2	0.34	0.45	600 mm
Naramata, Summerland North & Faulder	600-800 m	-20	-22	31	19	3800	10	50	280	0.28	360	60	2.2	0.2	0.35	0.45	600 mm
Naramata, Summerland North & Faulder	Over 800 m	-24	-26	30	19	4200	10	50	280	0.28	410	60	2.8	0.2	0.35	0.45	600 mm
Town of Princeton	655	-24	-29	33	19	4250	10	43	235	0.35	350	80	2.9	0.6	0.28	0.36	600 mm
Princeton area	Up to 850 m	-24	-29	33	19	4250	10	43	235	0.35	350	80	2.9	0.6	0.28	0.36	600 mm
Allison Lake, Tulameen, Coalmont, Chain Lakes, Osprey Lake, Missezula	850-950 m	-24	-29	29	19	4500	10	43	235	0.35	350	80	3.6	0.6	0.28	0.36	600 mm
Allison Lake, Tulameen, Coalmont, Chain Lakes, Osprey Lake, Missezula	950-1100 m	-24	-29	29	19	4700	10	45	260	0.37	500	80	4.4	0.6	0.29	0.37	600 mm
Eastgate, Pasayten Valley, Kennedy Lake	1100 m	-24	-29	29	19	4600	10	45	290	0.39	500	80	4.4	0.6	0.29	0.37	600 mm*
Headwaters/ Elkhart	1300 m	-24	-29	28	19	5000	10	45	220	0.25	490	60	4.2	0.3	0.31	0.41	1200 mm
Manning Park*	Up to 1200 m	-23	-26	29	19	5000	9	90	500	0.63	1200	120	6.8	0.7	0.39	0.50	1200 mm

NOTE: For areas and/or elevations not specifically mentioned in Schedule A, the Ground Snow load shall be determined by the **Building Official**.

* 1200mm (48") over 1060m in geodetic elevation or in locations of clay or non-coarse grained /silt soils. No limit for bedrock.

Climate zones:

Zone 5 – 3000 to 3999 HDD

Zone 6 - 4000 to 4999 HDD

Zone 7A – 5000 to 5999 HDD