

Table 5. Chilliwack: Modeled climatic habitat for species for five consecutive 30-year climate normal periods, including two historic periods (1960s and 1990s) and three future periods (2020s, 2050s, and 2080s). Species values represent an estimated proportion of the land base, assuming no human disturbance. An estimated percent of climate conditions suitable for cropland or rangeland use, are provided as well as climate conditions not supporting forested ecosystems

Scientific name	Common name	1960s	1990s	2020s	2050s	2080s
	Non-Forested	53.53	45.73	43.89	42.43	36.4
	Agriculture	1.44	1.52	2.4	5.29	3.37
<i>Pseudotsuga menziesii</i>	Douglas fir	10.95	14.25	16.67	18.89	22.99
<i>Tsuga heterophylla</i>	western hemlock	8.1	10.57	8.55	8.07	9.87
<i>Abies amabilis</i>	Pacific silver fir	3.88	5.59	3.9	4.34	4.7
<i>Thuja plicata</i>	western redcedar	3.52	4.22	4.9	4.29	4.65
<i>Tsuga mertensiana</i>	mountain hemlock	3.11	2.49	2.19	2.01	1.9
<i>Alnus rubra</i>	red alder	1.79	2.2	1.95	2.22	2.44
<i>Abies lasiocarpa</i>	subalpine fir	1.5	1.57	1.76	1.48	1.33
<i>Chamaecyparis nootkatensis</i>	Alaska cedar	1.44	1.52	1.18	1.04	0.98
<i>Pinus contorta</i>	lodgepole pine	0.85	0.71	1.35	1.24	0.89
<i>Acer macrophyllum</i>	bigleaf maple	0.53	0.55	0.73	0.87	0.96
<i>Picea sitchensis</i>	Sitka spruce	0.53	0.66	0.39	0.32	0.36
<i>Picea engelmannii</i>	Engelmann spruce	0.24	0.32	0.79	0.58	0.58
<i>Abies procera</i>	noble fir	0.23	0.36	0.29	0.29	0.45
<i>Populus trichocarpa</i>	black cottonwood	0.22	0.17	0.22	0.25	0.26
<i>Abies grandis</i>	grand fir	0.17	0.15	2.58	1.93	2.06
<i>Picea glauca</i>	white spruce	0.16	0.05	0.04	0.02	0
<i>Populus balsamifera</i>	balsam poplar	0.15	0.13	0.08	0.16	0.02
<i>Pinus albicaulis</i>	whitebark pine	0.15	0.15	0.1	0.09	0.08
<i>Abies balsamea</i>	balsam fir	0.15	0.08	0.07	0.01	0
<i>Picea mariana</i>	black spruce	0.14	0.08	0.07	0.01	0
<i>Betula papyrifera</i>	paper birch	0.12	0.11	0.12	0.13	0.06
<i>Populus tremuloides</i>	quaking aspen	0.11	0.11	0.09	0.11	0.03
<i>Pinus ponderosa</i>	ponderosa pine	0.08	0.06	0.32	0.26	0.27
<i>Acer rubrum</i>	red maple	0.08	0.14	0.14	0.01	0.15
<i>Pinus monticola</i>	western white pine	0.07	0.05	0.2	0.19	0.19
<i>Larix occidentalis</i>	western larch	0.05	0.06	0.7	0.51	0.49
<i>Abies concolor</i>	white fir	0.04	0.04	0.06	0.08	0.12
<i>Picea rubens</i>	red spruce	0.03	0.18	0.18	0.01	0
<i>Acer saccharum</i>	sugar maple	0.03	0.02	0.02	0	0.07
<i>Pinus lambertiana</i>	sugar pine	0	0.01	0.03	0.09	0.12
<i>Quercus rubra</i>	northern red oak	0	0.01	0.01	0	0.13
<i>Pinus strobus</i>	eastern white pine	0	0.06	0.06	0	0.04
<i>Sequoia sempervirens</i>	redwood	0	0	0	0.08	0.08