

Table 15. Quesnel: 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	36.16	35.77	36.02	35.74	37.79
	Agriculture	0.65	0.53	0.83	1.12	1.19
<i>Pinus contorta</i>	lodgepole pine	14.02	10.65	10.04	7.63	5.36
<i>Abies lasiocarpa</i>	subalpine fir	9.31	9.13	6.69	3.93	2.82
<i>Pseudotsuga menziesii</i>	Douglas fir	7.15	7.94	11.91	16.84	15.7
<i>Populus tremuloides</i>	quaking aspen	5.49	4.58	4.19	1.88	0.93
<i>Picea glauca</i>	white spruce	5.02	4.03	2.95	0.57	0.13
<i>Picea engelmannii</i>	Engelmann spruce	2.37	2.43	3.23	3.7	2.97
<i>Betula papyrifera</i>	paper birch	1.86	1.79	1.59	1.06	0.72
<i>Thuja plicata</i>	western redcedar	1.59	2.64	4.11	6.35	6.28
<i>Tsuga heterophylla</i>	western hemlock	1.25	2.86	2.49	3.35	2.88
<i>Populus balsamifera</i>	balsam poplar	0.64	0.62	0.46	0.26	0.13
<i>Picea mariana</i>	black spruce	0.62	0.27	0.19	0.03	0.01
<i>Larix occidentalis</i>	western larch	0.27	0.33	1.56	3.52	3.56
<i>Tsuga mertensiana</i>	mountain hemlock	0.2	0.44	0.06	0.48	0.62
<i>Pinus albicaulis</i>	whitebark pine	0.19	0.22	0.3	0.33	0.18
<i>Pinus monticola</i>	western white pine	0.07	0.17	0.43	0.74	0.62
<i>Abies balsamea</i>	balsam fir	0.07	0.01	0.01	0.01	0.04
<i>Abies amabilis</i>	Pacific silver fir	0.04	0.15	0.09	0.17	0.16
<i>Pinus ponderosa</i>	ponderosa pine	0.01	0.02	0.38	1.13	1.64
<i>Populus trichocarpa</i>	black cottonwood	0.01	0.01	0.11	0.19	0.19
<i>Pinus strobus</i>	eastern white pine	0	0.01	0.02	0.02	0.22
<i>Acer saccharum</i>	sugar maple	0	0	0.01	0.02	1.53
<i>Quercus rubra</i>	northern red oak	0	0	0.01	0.02	0.36
<i>Tsuga canadensis</i>	eastern hemlock	0	0	0.01	0.01	0.41
<i>Abies grandis</i>	grand fir	0	0.03	0.45	3.58	5.94
<i>Alnus rubra</i>	red alder	0	0.01	0.04	0.17	0.17
<i>Picea sitchensis</i>	Sitka spruce	0	0	0.03	0.14	0.14
<i>Acer rubrum</i>	red maple	0	0	0	0	0.97
<i>Betula alleghaniensis</i>	yellow birch	0	0	0	0	0.29
<i>Fraxinus americana</i>	white ash	0	0	0	0.01	0.4
<i>Tilia americana</i>	American basswood	0	0	0	0	0.07
<i>Fagus grandifolia</i>	American beech	0	0	0	0	0.75
<i>Picea rubens</i>	red spruce	0	0	0	0	0.1
<i>Prunus serotina</i>	black cherry	0	0	0	0	0.27