

**Table 16. Rouyn-Noranda:** 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	41.1	41.67	39.27	33.76	33.75
	Agriculture	1.76	3.21	7.04	11.6	15.69
<i>Picea mariana</i>	black spruce	25.62	19.41	6.44	1.97	0.54
<i>Betula papyrifera</i>	paper birch	6.42	7.66	8.12	4.2	2.06
<i>Pinus banksiana</i>	jack pine	4.62	4.51	1.99	0.36	0.21
<i>Abies balsamea</i>	balsam fir	4.07	4.23	5.42	8.01	3.23
<i>Populus tremuloides</i>	quaking aspen	2.82	3.45	4.11	3.09	2.6
<i>Larix laricina</i>	tamarack	1.91	1.32	0.51	0.45	0.26
<i>Picea glauca</i>	white spruce	1.68	2.14	2.5	2	0.83
<i>Thuja occidentalis</i>	northern white cedar	1.54	1.86	3.48	5.2	2.5
<i>Betula alleghaniensis</i>	yellow birch	1.43	2.11	4.95	4.75	3.43
<i>Acer saccharum</i>	sugar maple	1.09	2.13	7.04	10.63	10.87
<i>Pinus strobus</i>	eastern white pine	0.96	1.08	2.79	2.9	4.63
<i>Acer rubrum</i>	red maple	0.59	0.97	3.21	6.36	9.64
<i>Populus grandidentata</i>	bigtooth aspen	0.26	0.44	1.19	1.2	1.19
<i>Pinus resinosa</i>	red pine	0.16	0.18	0.44	0.48	0.6
<i>Tsuga canadensis</i>	eastern hemlock	0.16	0.27	1.16	2.47	5.22
<i>Picea rubens</i>	red spruce	0.14	0.22	0.88	2.49	1.14
<i>Fagus grandifolia</i>	American beech	0.12	0.31	1.04	1.75	2.75
<i>Quercus rubra</i>	northern red oak	0.12	0.16	0.68	1.15	1.98
<i>Populus balsamifera</i>	balsam poplar	0.08	0.1	0.2	0.36	0.15
<i>Fraxinus nigra</i>	black ash	0.05	0.11	0.38	0.62	0.57
<i>Acer saccharinum</i>	silver maple	0.05	0.1	0.17	0.1	0.15
<i>Tilia americana</i>	American basswood	0.03	0.08	0.41	0.85	1.18
<i>Picea abies</i>	Norway spruce	0.03	0.03	0.02	0.12	0.41
<i>Fraxinus americana</i>	white ash	0.01	0.02	0.17	0.86	2.58
<i>Prunus serotina</i>	black cherry	0	0.01	0.07	0.5	1.7
<i>Quercus alba</i>	white oak	0	0	0.01	0.05	0.17
<i>Fraxinus pennsylvanica</i>	green ash	0	0	0.02	0.08	0.21
<i>Ulmus americana</i>	American elm	0	0	0.02	0.2	0.66
<i>Carya cordiformis</i>	bitternut hickory	0	0	0	0.06	0.22
<i>Quercus velutina</i>	black oak	0	0	0.01	0.03	0.08
<i>Pinus sylvestris</i>	Scots pine	0	0	0	0.05	0.21
<i>Juniperus virginiana</i>	eastern redcedar	0	0	0	0.01	0.05
<i>Carya ovata</i>	shagbark hickory	0	0	0	0.02	0.1
<i>Robinia pseudoacacia</i>	black locust	0	0	0	0.01	0.06
<i>Quercus prinus</i>	chestnut oak	0	0	0	0.01	0.09