

**Table 21. Western Nova Scotia:** 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	26.87	24.62	30.25	39.53	44.58
	Agriculture	1.25	1.17	9.64	36.66	45.38
<i>Picea rubens</i>	red spruce	18.3	20.89	14.2	0.01	0.01
<i>Acer rubrum</i>	red maple	13.78	14.51	13.65	9.89	8.79
<i>Abies balsamea</i>	balsam fir	11.57	10.76	6.9	0	0
<i>Picea mariana</i>	black spruce	8.97	8.55	6.89	0	0
<i>Pinus strobus</i>	eastern white pine	3.78	4.94	5.99	4.76	3.5
<i>Picea glauca</i>	white spruce	3.06	2.69	2.5	0.01	0.01
<i>Larix laricina</i>	tamarack	2.82	2.85	2.22	0.06	0.01
<i>Betula papyrifera</i>	paper birch	2.71	2.62	2.42	0.11	0.07
<i>Acer saccharum</i>	sugar maple	2.69	2.35	1.69	1.69	1.23
<i>Betula alleghaniensis</i>	yellow birch	2.35	2.02	1.19	0.56	0.46
<i>Fagus grandifolia</i>	American beech	0.64	0.59	0.54	0.65	0.58
<i>Tsuga canadensis</i>	eastern hemlock	0.37	0.51	1.19	1.19	0.38
<i>Pinus resinosa</i>	red pine	0.37	0.37	0.2	0.27	0.12
<i>Quercus rubra</i>	northern red oak	0.34	0.42	1.44	5.35	3.44
<i>Populus tremuloides</i>	quaking aspen	0.13	0.13	0.38	0.14	0.19
<i>Fraxinus americana</i>	white ash	0.03	0.04	0.34	1.84	2.33
<i>Thuja occidentalis</i>	northern white cedar	0.02	0.05	0.06	0.01	0.02
<i>Picea abies</i>	Norway spruce	0.01	0.01	0.02	0.07	0.04
<i>Populus grandidentata</i>	bigtooth aspen	0	0.01	0.09	0.34	0.24
<i>Alnus rubra</i>	red alder	0	0	0.37	0.79	0.65
<i>Tsuga heterophylla</i>	western hemlock	0	0	0.57	0.75	0.54
<i>Prunus serotina</i>	black cherry	0	0.01	0.2	1.17	1.09
<i>Quercus velutina</i>	black oak	0	0	0.48	3.29	3.03
<i>Quercus alba</i>	white oak	0	0	0.43	3.43	3.24
<i>Ulmus americana</i>	American elm	0	0	0.05	0.28	0.35
<i>Tilia americana</i>	American basswood	0	0	0.03	0.16	0.11
<i>Pinus sylvestris</i>	Scots pine	0	0	0.01	0.04	0.08
<i>Pseudotsuga menziesii</i>	Douglas fir	0	0	1.94	4.88	4.23
<i>Thuja plicata</i>	western redcedar	0	0	0.41	0.68	0.51
<i>Quercus coccinea</i>	scarlet oak	0	0	0.28	2.66	3.32
<i>Quercus prinus</i>	chestnut oak	0	0	0.17	2.72	1.48
<i>Acer macrophyllum</i>	bigleaf maple	0	0	0.17	0.56	0.47
<i>Populus trichocarpa</i>	black cottonwood	0	0	0.07	0.11	0.08
<i>Carya ovata</i>	shagbark hickory	0	0	0.05	0.46	0.42
<i>Liriodendron tulipifera</i>	yellow poplar	0	0	0.05	1.9	1.68
<i>Abies amabilis</i>	Pacific silver fir	0	0	0.05	0.04	0.02
<i>Juniperus virginiana</i>	eastern redcedar	0	0	0.03	0.33	0.7
<i>Robinia pseudoacacia</i>	black locust	0	0	0.02	0.29	0.3

<i>Fraxinus pennsylvanica</i>	green ash	0	0	0.02	0.22	0.22
<i>Carya cordiformis</i>	bitternut hickory	0	0	0.02	0.14	0.1
<i>Acer saccharinum</i>	silver maple	0	0	0.01	0.23	0.16
<i>Picea sitchensis</i>	Sitka spruce	0	0	0.01	0.03	0.02
<i>Juglans nigra</i>	black walnut	0	0	0.01	0.29	0.27
<i>Quercus palustris</i>	pin oak	0	0	0.01	0.14	1.28
<i>Chamaecyparis thyoides</i>	Atlantic white cedar	0	0	0.01	0.11	0.18
<i>Populus deltoides</i>	eastern cottonwood	0	0	0.01	0.05	0.05
<i>Abies grandis</i>	grand fir	0	0	0	0.02	0.02
<i>Pinus virginiana</i>	Virginia pine	0	0	0	0.05	0.04
<i>Liquidambar styraciflua</i>	sweetgum	0	0	0	0.03	0.27
<i>Quercus stellata</i>	post oak	0	0	0	0.02	0.05