

Table 9. Kenauk: 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	29.21	29.32	31.83	24.12	24.03
	Agriculture	3.01	3.23	8.64	8.85	18.19
<i>Abies balsamea</i>	balsam fir	12.71	12.78	5.13	2.83	0.99
<i>Acer saccharum</i>	sugar maple	9.92	9.93	9.21	9.95	8.46
<i>Betula papyrifera</i>	paper birch	7.29	7.22	2.08	1.71	1.2
<i>Betula alleghaniensis</i>	yellow birch	6.77	6.75	4.13	4.37	2.82
<i>Acer rubrum</i>	red maple	5.93	6.01	11.01	13.5	13.57
<i>Picea mariana</i>	black spruce	4.79	4.77	0.33	0.05	0.01
<i>Thuja occidentalis</i>	northern white cedar	4.29	4.29	1.62	0.64	0.25
<i>Populus tremuloides</i>	quaking aspen	3.86	3.9	1.79	1.08	1.11
<i>Picea rubens</i>	red spruce	3.75	3.79	3.31	3.1	1.06
<i>Picea glauca</i>	white spruce	3.09	3.08	0.55	0.12	0.08
<i>Fagus grandifolia</i>	American beech	1.55	1.55	4.37	5.61	3.98
<i>Pinus strobus</i>	eastern white pine	0.83	0.75	5.71	7.49	8.96
<i>Pinus banksiana</i>	jack pine	0.8	0.78	0.17	0.01	0.01
<i>Tsuga canadensis</i>	eastern hemlock	0.7	0.71	6.54	8.78	8.73
<i>Populus grandidentata</i>	bigtooth aspen	0.66	0.65	0.95	0.83	0.74
<i>Larix laricina</i>	tamarack	0.45	0.45	0.26	0.21	0.15
<i>Tilia americana</i>	American basswood	0.23	0.23	0.4	0.45	0.6
<i>Populus balsamifera</i>	balsam poplar	0.21	0.21	0.12	0.03	0.02
<i>Fraxinus nigra</i>	black ash	0.2	0.2	0.24	0.16	0.12
<i>Pinus resinosa</i>	red pine	0.19	0.17	0.4	0.58	0.6
<i>Fraxinus americana</i>	white ash	0.17	0.17	2.26	3.08	3.89
<i>Quercus rubra</i>	northern red oak	0.15	0.13	2.03	3.32	6.38
<i>Picea abies</i>	Norway spruce	0.09	0.09	0.42	0.47	0.29
<i>Acer saccharinum</i>	silver maple	0.08	0.07	0.05	0.03	0.07
<i>Prunus serotina</i>	black cherry	0.06	0.06	1.82	3.04	3.26
<i>Fraxinus pennsylvanica</i>	green ash	0.01	0.01	0.06	0.07	0.15
<i>Ulmus americana</i>	American elm	0.01	0.01	0.23	0.29	0.39
<i>Quercus alba</i>	white oak	0	0	0.09	0.14	0.61
<i>Carya cordiformis</i>	bitternut hickory	0	0	0.07	0.14	0.25
<i>Quercus velutina</i>	black oak	0	0	0.04	0.07	0.53
<i>Pinus sylvestris</i>	Scots pine	0	0	0.15	0.18	0.17
<i>Quercus prinus</i>	chestnut oak	0	0	0.04	0.09	0.64
<i>Carya ovata</i>	shagbark hickory	0	0	0.03	0.05	0.21
<i>Robinia pseudoacacia</i>	black locust	0	0	0.02	0.03	0.08