

Table 6. Grand Prairie: 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	34.22	36.55	38.46	47.87	54.14
	Agriculture	11.88	13.64	18.42	28.85	25.06
<i>Populus tremuloides</i>	quaking aspen	18.98	16.23	18.83	17.44	9.62
<i>Pinus contorta</i>	lodgepole pine	15.19	15.35	11.63	7.86	2.35
<i>Picea mariana</i>	black spruce	11.34	11.67	10.92	8.62	2.66
<i>Picea glauca</i>	white spruce	9.25	9.33	8.62	6.67	2.74
<i>Populus balsamifera</i>	balsam poplar	3.44	2.94	3.64	3.33	1.63
<i>Picea engelmannii</i>	Engelmann spruce	1.56	1.49	0.89	0.67	0.59
<i>Larix laricina</i>	tamarack	1.33	1.19	1.43	1.25	0.71
<i>Betula papyrifera</i>	paper birch	0.84	0.84	0.98	0.89	1.06
<i>Abies lasiocarpa</i>	subalpine fir	0.8	0.89	0.67	0.43	0.48
<i>Abies balsamea</i>	balsam fir	0.72	0.94	0.72	0.48	1.15
<i>Pinus banksiana</i>	jack pine	0.23	0.11	0.11	0.1	0.19
<i>Pseudotsuga menziesii</i>	Douglas fir	0.18	0.18	0.46	1.23	2.46
<i>Pinus albicaulis</i>	whitebark pine	0.03	0.03	0.06	0.08	0.06
<i>Larix occidentalis</i>	western larch	0.03	0.03	0.09	0.15	0.28
<i>Thuja plicata</i>	western redcedar	0.01	0.01	0.02	0.01	0.32
<i>Tsuga heterophylla</i>	western hemlock	0.01	0.01	0.01	0.01	0.06
<i>Populus trichocarpa</i>	black cottonwood	0.01	0.01	0.01	0.01	0.02
<i>Pinus strobus</i>	eastern white pine	0	0	0	0	0.57
<i>Pinus ponderosa</i>	ponderosa pine	0	0	0	0.48	3.72
<i>Abies grandis</i>	grand fir	0	0	0	0	0.42
<i>Thuja occidentalis</i>	northern white cedar	0	0	0	0	1.02
<i>Acer saccharum</i>	sugar maple	0	0	0	0	3.72
<i>Acer rubrum</i>	red maple	0	0	0	0	2.16
<i>Tsuga canadensis</i>	eastern hemlock	0	0	0	0	0.74
<i>Tilia americana</i>	American basswood	0	0	0	0	0.73
<i>Pinus resinosa</i>	red pine	0	0	0	0	0.68
<i>Fraxinus americana</i>	white ash	0	0	0	0	0.56
<i>Betula alleghaniensis</i>	yellow birch	0	0	0	0	0.52
<i>Quercus rubra</i>	northern red oak	0	0	0	0	0.46
<i>Prunus serotina</i>	black cherry	0	0	0	0	0.45
<i>Fraxinus nigra</i>	black ash	0	0	0	0	0.36
<i>Fagus grandifolia</i>	American beech	0	0	0	0	0.32
<i>Populus grandidentata</i>	bigtooth aspen	0	0	0	0	0.31
<i>Fraxinus pennsylvanica</i>	green ash	0	0	0	0	0.14