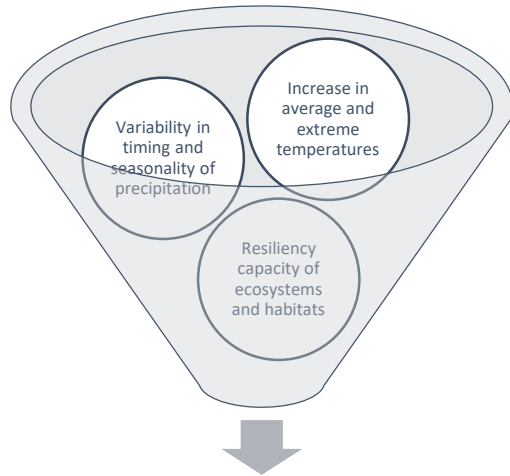


2020 Colorado Forest Action Plan, Appendix 2. Climate change risk matrix approach used to identify and prioritize projected climate change impacts and severity on Forest Action Plan themes. *Adapted from Forest Adaptation Resources: Climate Change Tools and Approaches for Land Managers, 2nd ed. NRS-GTR-87-2 [Internet]. Swanston CW, Janowiak MK, Brandt LA, Butler PR, et al. Newtown Square, PA; 2016. Available from: <http://dx.doi.org/10.2737/NRS-GTR-87-2>*



Climate Change Risk Matrix

		Severity of Impacts				
		Negligible	Minor	Moderate	Major	Severe
Likelihood	Very Likely	Med. Low	Medium	Med. High	High	High
	Likely	Low	Med. Low	Medium	Med. High	High
	Possible	Low	Med. Low	Medium	Med. High	Med. High
	Unlikely	Low	Med. Low	Med. Low	Medium	Med. High
	Very Unlikely	Low	Low	Med. Low	Medium	Med. High



Forest Conditions
Warmer temperatures (annual and seasonal) More days with extreme heat Potential for early spring thaws/late frosts Uncharacteristic wildfire Increases in insect pests and forest pathogens
Watershed Protection
Less snow/shorter winter season Reduced soil moisture in summer Potential for early spring thaws/late frosts Declines in streams, riparian areas, and wetland ecosystems Uncharacteristic wildfire Increases in insect pests and forest pathogens
Living with Wildfire
Warmer temperatures (annual and seasonal) More days with extreme heat Altered seasonal changes in precipitation Less snow/shorter winter season Reduced soil moisture in summer
Wildlife
Altered seasonal changes in precipitation Potential for early spring thaws/late frosts Declines in alpine turf and dwarf shrublands Declines in streams, riparian areas, and wetland ecosystems Uncharacteristic wildfire
Urban and Community Forestry
More days with extreme heat Warmer temperatures (annual and seasonal) Reduced soil moisture in summer More frequent and intense storms