

**Supplementary Figure 2** Spatial prioritization of management actions shifts across the landscape through time. Planting actions under the CNRM-CM5 climate scenario for the hydrologic unit code (HUC) 10 watershed at the Headwaters of the Stillwater River, near Cooke City, Montana are shown as an example. Green indicates the area recommended for planting over each time period, which is increasingly restricted to higher elevation toward the end of the century