

APPENDIX C – Colorado Statewide Forest Resource Assessment

Data Gaps

- **Protect Forests From Harm**
 - Wildfire Risk and Restoration
 - Need consistent fire reporting data for all jurisdictions across the state.
 - Need updated LANDFIRE data on the current condition of Colorado’s lodgepole pine forests.
 - Need a fuel model to help predict fire behavior in the canopy of dead lodgepole pine forests.
 - Need a fire susceptibility analysis for the eastern plains.
 - Insects, Disease, Invasive Species and Climate Change
 - Need more consistent stand level data for forest conditions on state and private land so that a more meaningful analysis of forest health can be conducted across ownerships.
 - Need repeatable annual data on insect and disease activity in the state. Because the current aerial survey is conducted by different individuals and on different portions of the state each year, its results are subjective and sometimes difficult to interpret regarding the nature and extent of identified activity.
 - Need more fine scale data, preferably 30 meter data, on the location of noxious weeds in Colorado so that a meaningful determination can be made of how those species intersect with forests and where management could be most effectively applied.

- **Enhance Public Benefits from Trees and Forests**
 - Water Supply
 - Need data that will allow assessment of the level of public use, including populations supported, that is tied to Colorado’s watersheds and associated components of water supply infrastructure.
 - Need data on watersheds of importance for agriculture.
 - Need consistent state level data on the locations of transbasin diversions.
 - Communities at Risk
 - Need a clear definition and data layer with spatial locations and boundaries for “communities” in Colorado. This should include polygon data showing the extent of each designated community.
 - Need a consistent, state level layer with the spatial locations and boundaries of approved Community Wildfire Protection Plans (CWPPs).
 - Need a wildland-urban interface risk analysis that is more consistent for the eastern plains.
 - Economic Opportunities
 - Need a state level assessment of biomass supply for both wood products and renewable energy.

- Need stand level vegetation data for state and private lands.
- Wildlife Habitat
 - Need more consistent data on priority habitat locations for all of Colorado's Species of Greatest Conservation Need associated with forests.
 - Need more complete information on forested related threats to aquatic habitats.
- Recreation
 - Need consistent data on forest-based recreation facilities and related opportunities for all ownerships in the state.
 - Need consistent data on visitor use, particularly from public agencies, for forest-based recreation facilities and related opportunities for all ownerships in the state.
- Community Forestry
 - Need a clear definition of and spatial data on the location and extent of what constitutes a community for the purposes of urban and community forestry program investment.
 - Need a statewide inventory of urban and community forests to provide information on the quality, extent and threats associated with these forests.
 - Need a statewide analysis to quantify the environmental benefits provided by urban and community forests.