



Sand Dunes State Forest

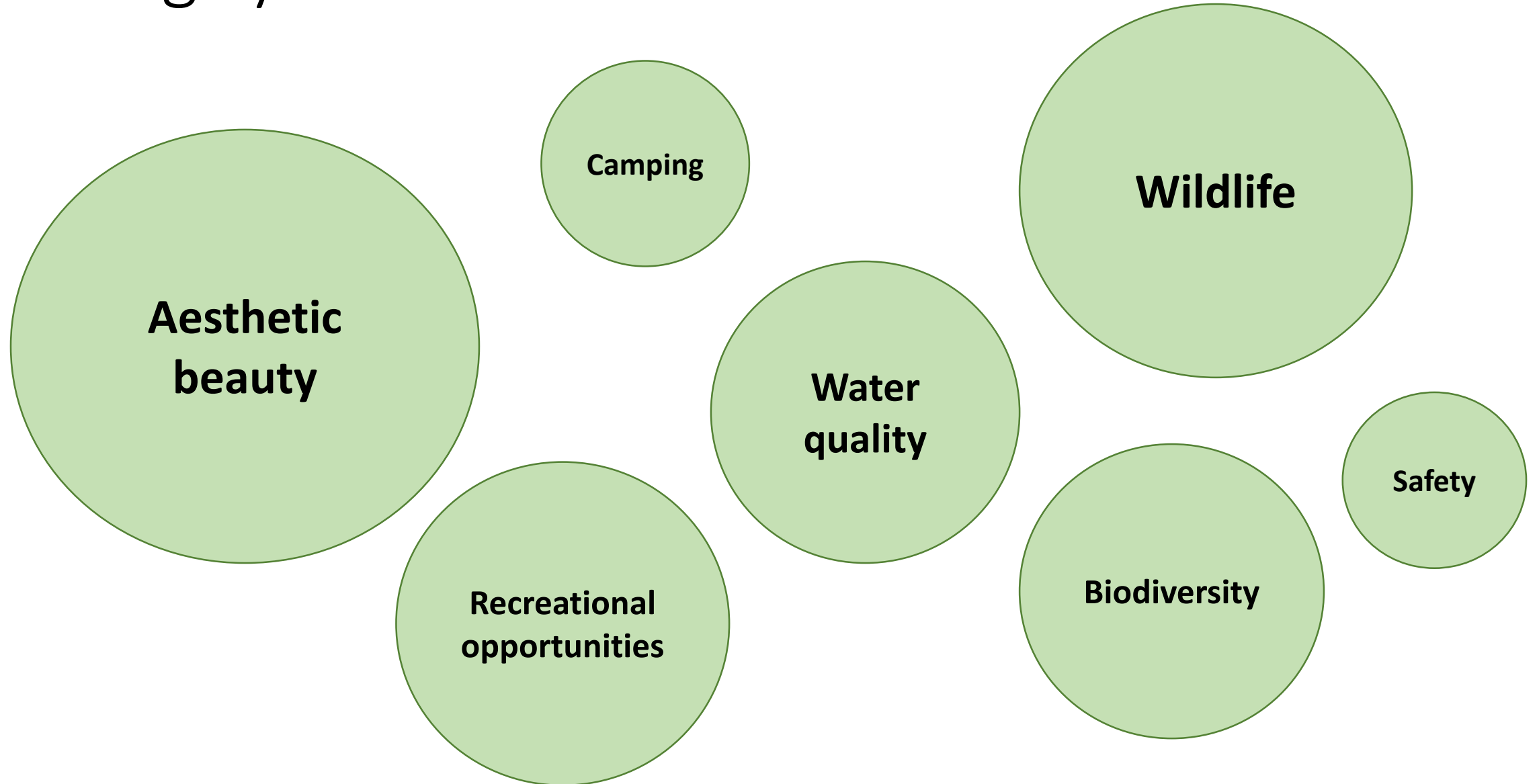
Stakeholder Advisory Group Meeting 4: Wildlife and Native Plant Management

September 26, 2016



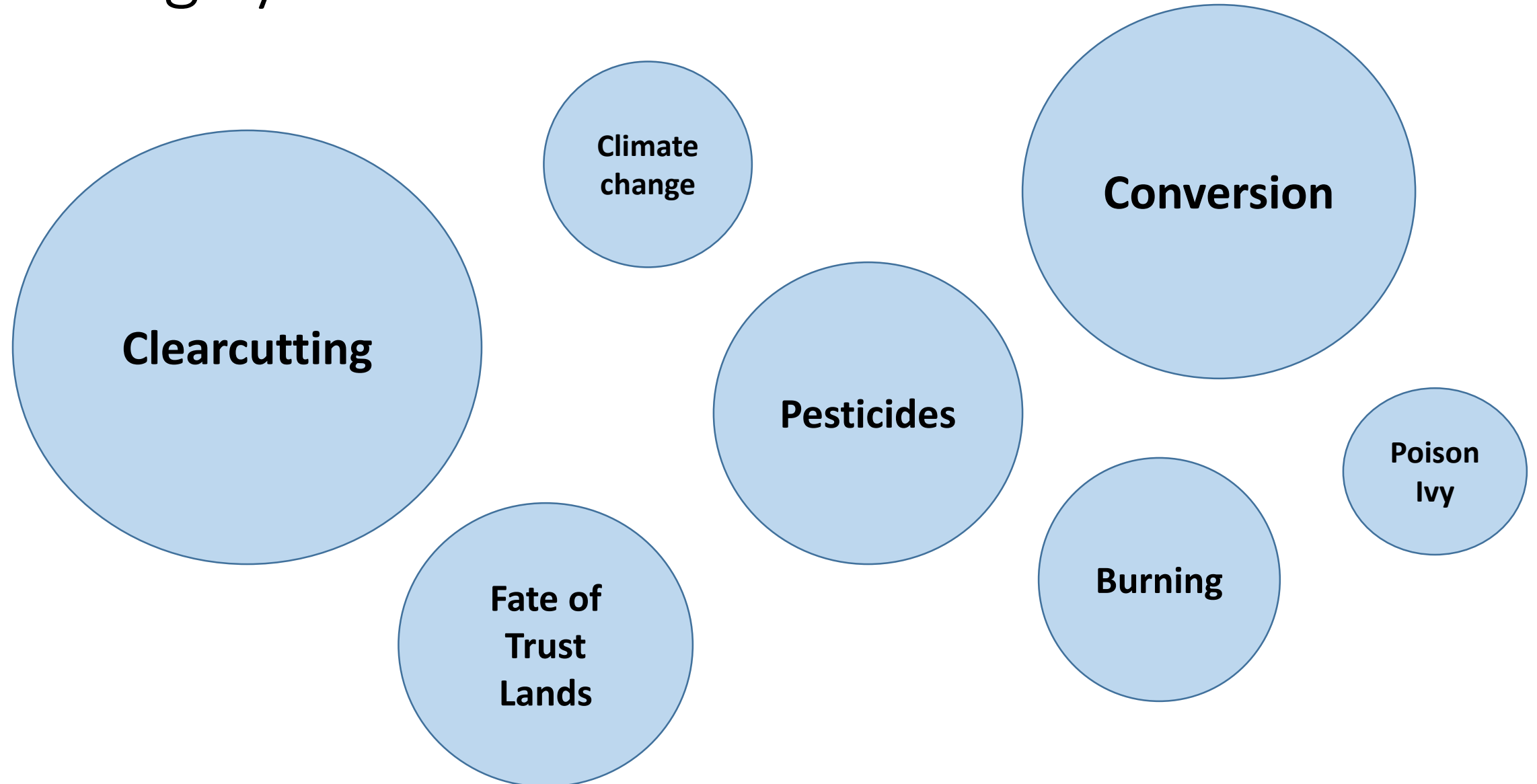


Things you care about...





Things you're concerned about...





DNR's goal for SDSF:

Do right by the land

- Protect rare and threatened native species
- Provide sufficient habitat for all wildlife species
- Harvest timber sustainably
- Meet certification standards

Do right by the people

- Provide high quality recreation
- Support local economy and the Permanent School Trust
- Be a good neighbor

...Now and in the Future



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Managing for the Future....

Pressures on Wildlife and Plant Communities in Sand Dunes SF:

- Climate Change
- Invasive Species
- Growing population of Minnesotans
- Habitat loss in other parts of the state

Create Resiliency



Climate Change

Sand Dunes State Forest Trees – Response to Climate Change across the Entire Anoka Sand Plain

Species name*	Predicted change: low emissions scenario	Predicted change: high emissions scenario
Northern red oak	Decrease	Large Decrease
Quaking aspen	Large Decrease	Large Decrease
Bur oak	No Change	No Change
American Elm	Increase	Increase
Green ash	No Change	No Change
Basswood	No Change	No Change
Black cherry	Increase	Large Decrease
Paper birch	Large Decrease	Large Decrease
Northern pin oak	Decrease	Large Decrease
Red pine**	Decrease	Large Decrease
Red maple	Increase	Increase
Ironwood	No Change	No Change
White oak	Large Increase	Increase
Eastern red cedar (juniper)	Large Increase	Large Increase
Jack pine**	Increase	Increase
White pine**	Increase	Increase
Big-toothed aspen	No Change	Large Decrease
Tamarack	Increase	Increase
White spruce**	Decrease	No Change

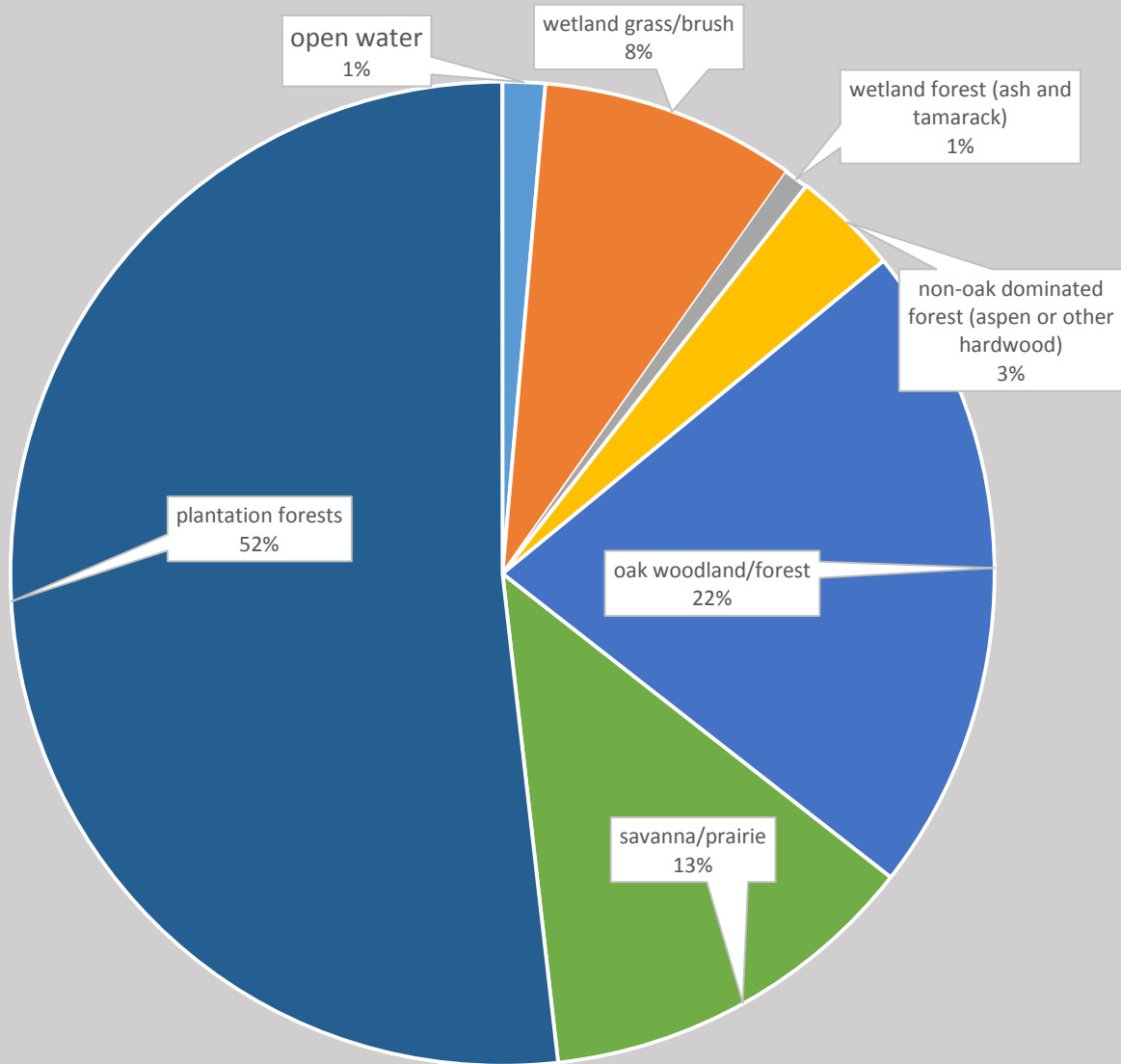
*Listed in order of abundance, relative to other tree species across the entire Anoka Sand Plain.

**Not known to be native to the Sand Dunes State Forest; planted for timber

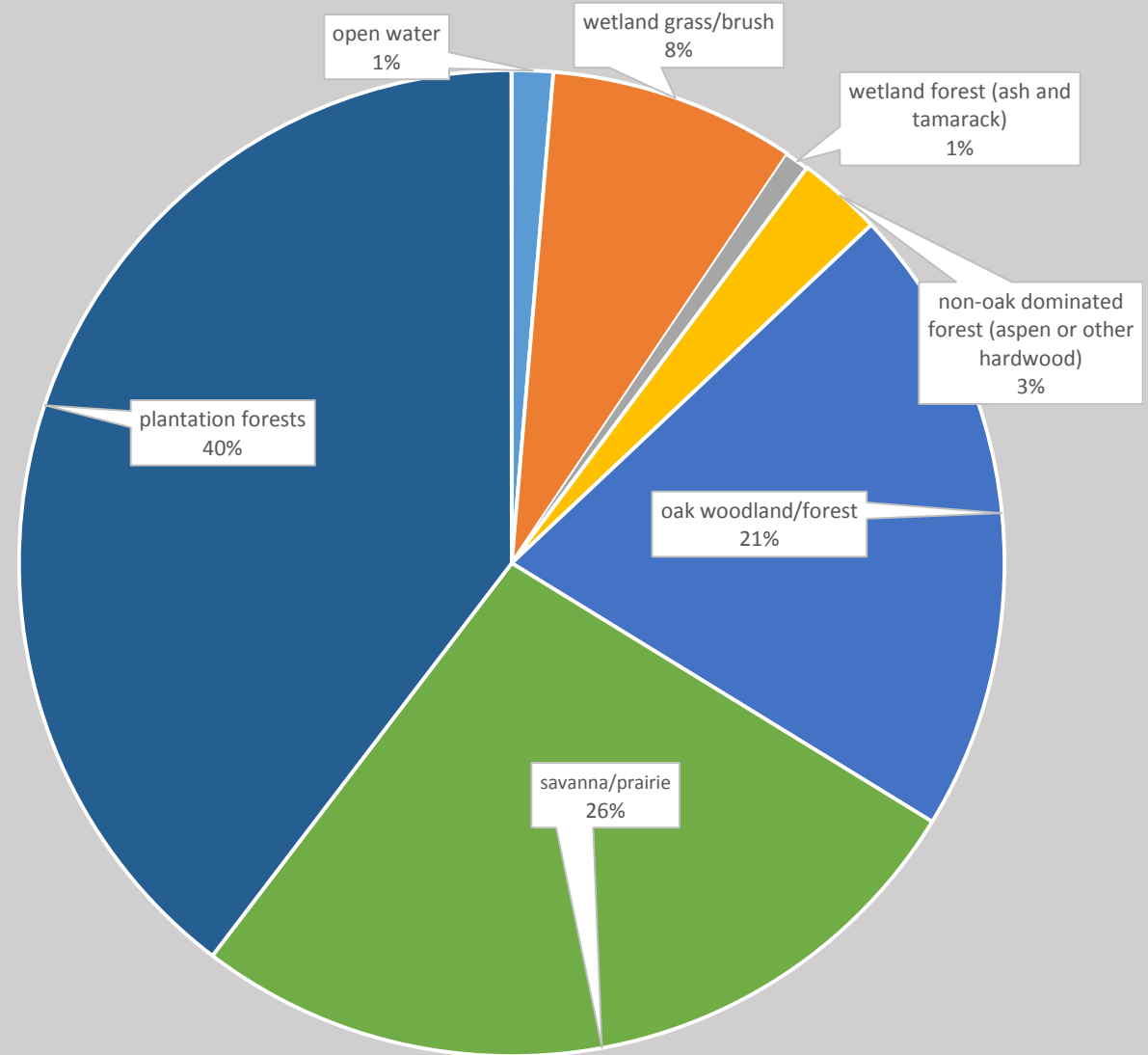
Source: US Forest Service Northern Research Station Climate Change Tree Atlas - <http://www.nrs.fs.fed.us/atlas/tree/>



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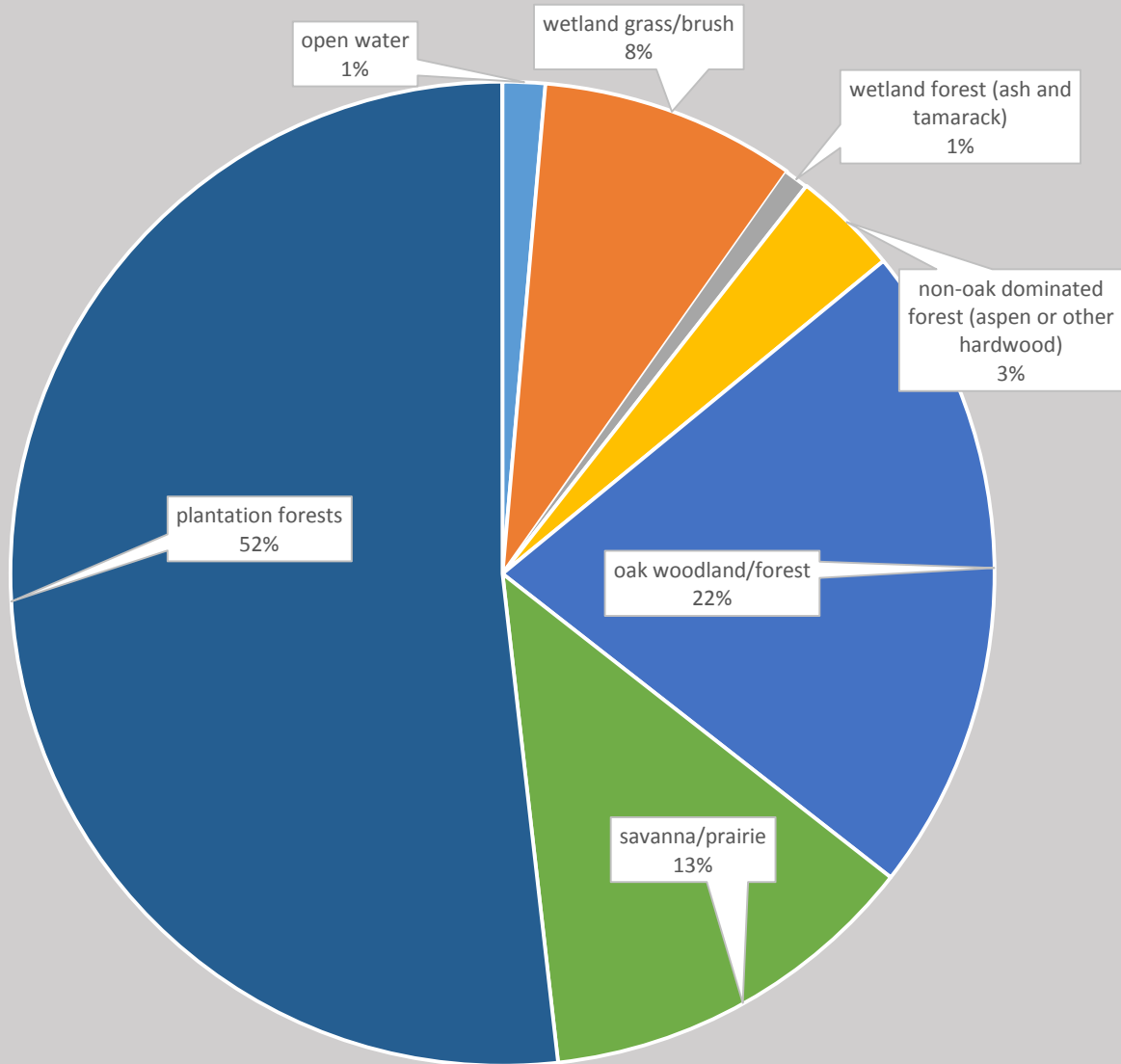


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