

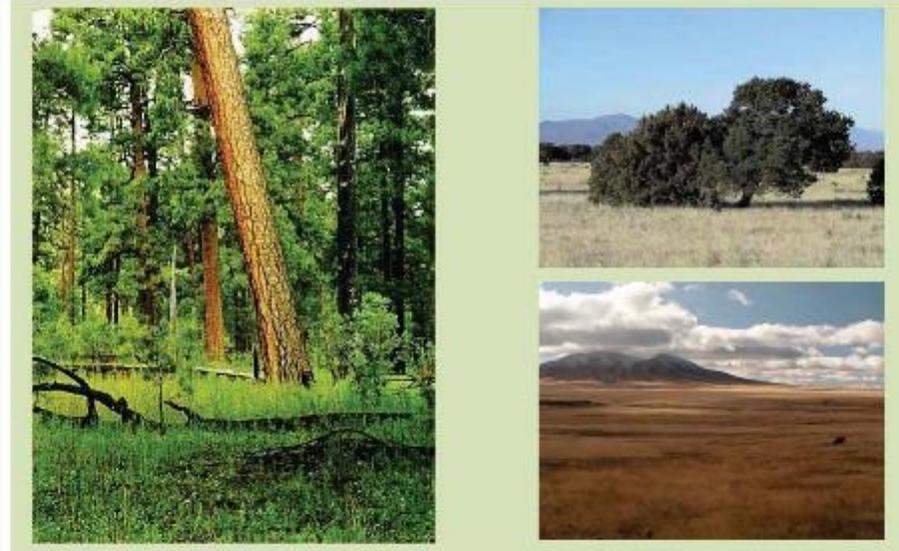


New Mexico 2020 Forest Action Plan

Forest and Watershed Management Coordinating Group

July 26, 2019

*New Mexico Statewide
Natural Resources Assessment &
Strategy and Response Plans*



*A Science-based Process for Identifying,
Prioritizing and Conducting Natural Resource
Management and Restoration Activities.*



Goals for 2020 FAP



- Be **STRATEGIC**, specifically in identifying priority landscapes and focusing Division and partners' resources
- Engage Partners in more meaningful collaboration
 - Shared Stewardship
 - Joint priority mapping
 - Utilize comparative analysis for planning from an all lands perspective at a state scale
- Increase accountability

New Mexico 2020 FAP

LEAD AGENCY:

New Mexico State Forestry

CONTRACTOR:

The Nature Conservancy

SUBCONTRACTORS:

The Forest Steward Guild

New Mexico Natural Heritage Program

STAKEHOLDERS with Tribal Consultation:

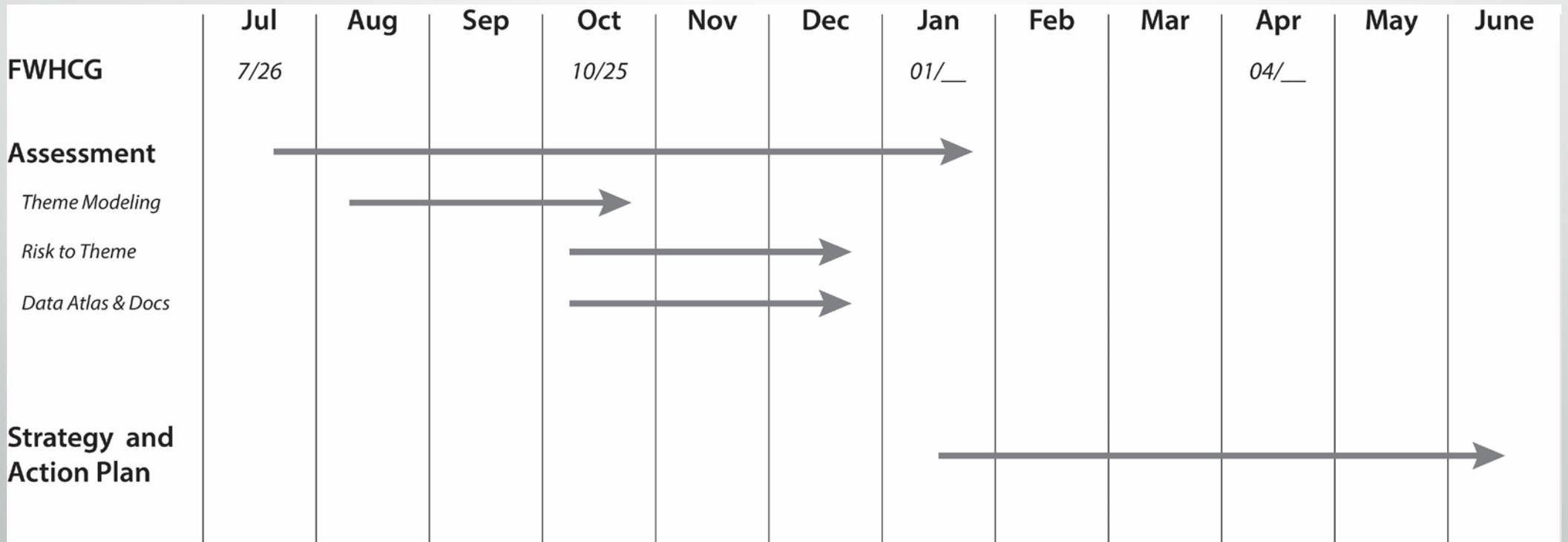
**Providing input and recommendations to
the Assessment and the Plan**



- **Shared Stewardship**
- **Shared Decision Space**
- **Shared Responsibility**



NM Forest Action Plan Timeline



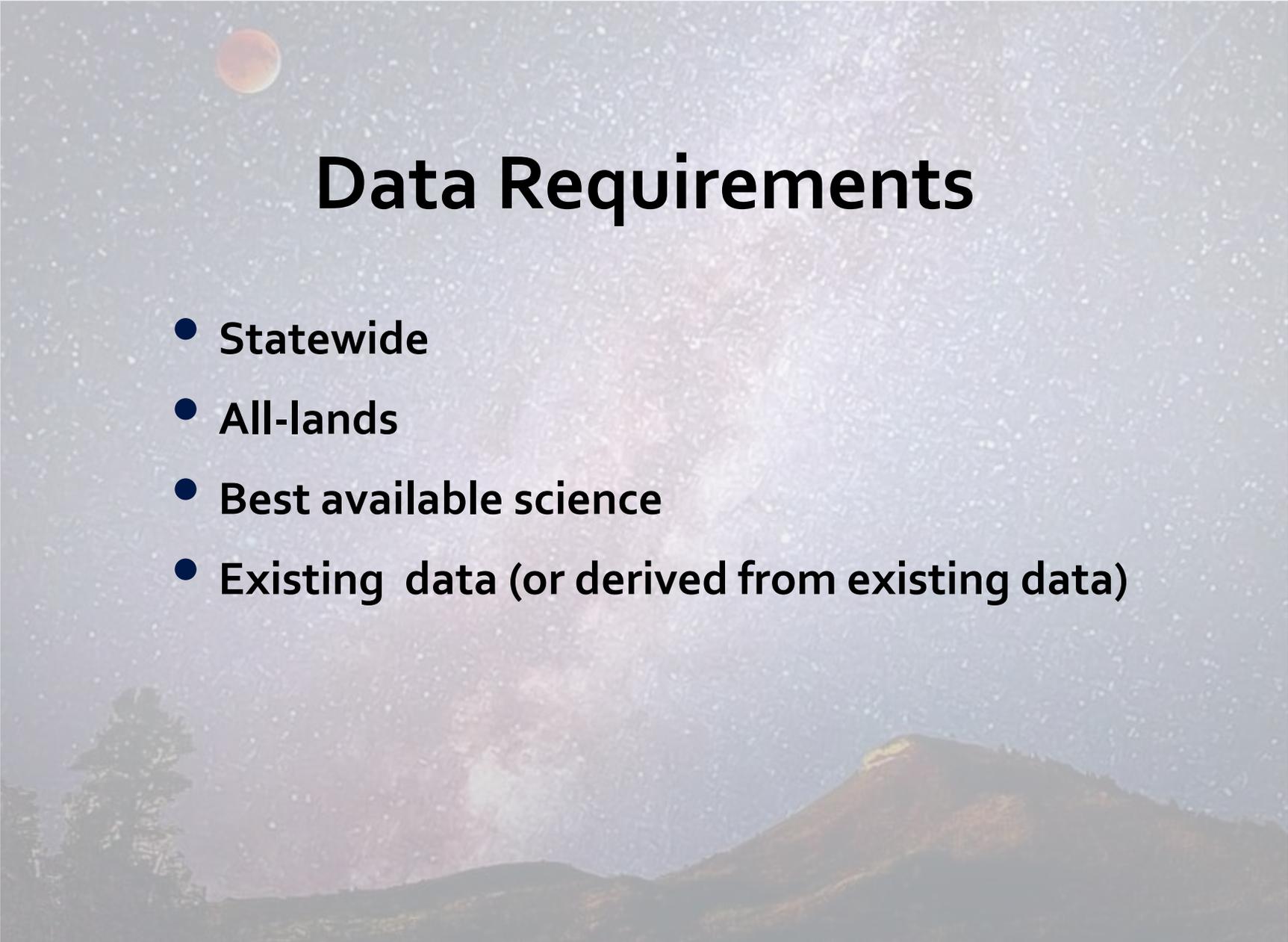
Model Development



Process for Technical Teams

- Collect existing data sets
- Technical team develops understanding of data and guides weighting principles
- 3 Webinars per technical group
- Identify data gaps
- Document issues
- Inform model development for prioritization

RECOMMEND SUBJECT MATTER EXPERTS



Data Requirements

- Statewide
- All-lands
- Best available science
- Existing data (or derived from existing data)



Proposed Themes and Threats



Water Quality & Supply

Description

This model maps the value provided by our forested watersheds to irrigators, public utilities, and all water users.

Draft Model Components

- municipal drinking water sources,
- mutual domestic water sources,
- acequia water sources,
- irrigation district water sources,
- dams and reservoirs,
- aquifer recharge zones,
- aquifer sensitivity,
- snowpack depth and variability,
- precipitation by season,
- sediment sources,
- wetlands,
- impaired waters,
- expected future precipitation,
- expected future snowpack,
- impervious surfaces,



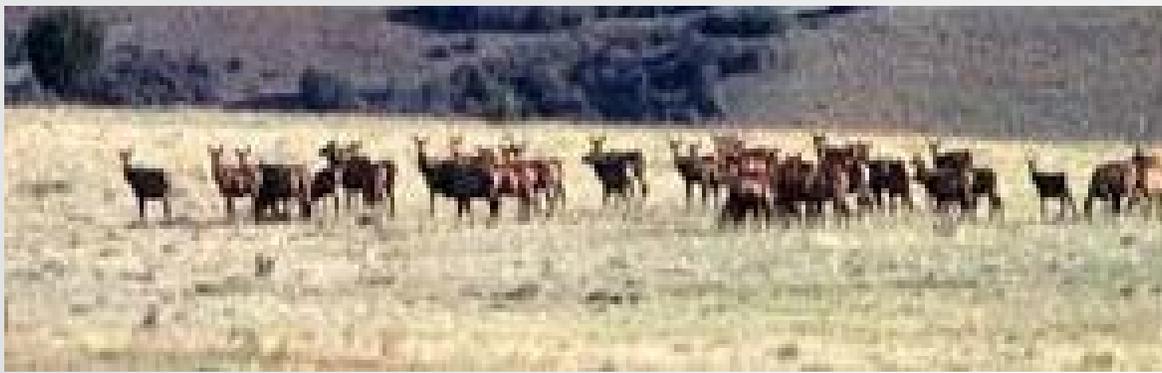
Biodiversity

Description

This model maps the value provided by our forests to plants, animals and biodiversity.

Draft Model Components

- NM Important Plant Areas,
- conservation opportunity,
- Crucial Habitat Assessment Tool (CHAT),
- T&E species habitat,
- wildlife corridors,
- wildlife occurrence,
- rare animal and plant occurrence (biodiversity),
- fish atlas,
- intact ecosystems,
- development potential,



Recreation

Description

This model maps the value provided by our forests for recreation: hiking, mountain biking, camping, hunting, fishing, and the outdoor industry.

Draft Model Components

- recreation and cultural use infrastructure (trailheads, trails, campgrounds, roads, etc.),
- scenic byways,
- fish and game importance,
- important recreation and cultural sites (visitation),
- scenic value,
- habitat for game species,
- habitat for sport fish,



Timber and Grazing

Description

This model maps the value provided by our forests for grazing and forestry.

Draft Model Components

- grazing infrastructure (fences, waterers, etc.),
- timber infrastructure (e.g. roads),
- rangeland productivity,
- timber production,
- transport distance,
- operational accessibility,
- administrative clearance,
- roads and railroads,
- distance to use,
- working forests,
- timber availability,
- woody biomass availability,
- non-native phreatophytes,



Wildland and Communities

Description

This model maps the structures, and infrastructure, and other life and property values threatened by wildfire and post wildfire hazards.

Draft Model Components

- buildings
- infrastructure (structures, roads, powerlines, comms sites, etc.),
- CWPPs,
- population density
- drinking water sources & facilities



Urban Forests and Community

Description

This model maps the value provided by trees and urban (intentionally landscaped) forests to people living in developed areas.

Draft Model Components

- canopy cover,
- temperature regulation,
- land value,
- urban heat,
- urban air quality,
- stormwater runoff,
- Impervious surfaces
- health
- quality of life



Soil Health and Carbon Storage

Description

- This model maps the contribution of New Mexico's forests to maintaining healthy soils, carbon stocks, and mitigating carbon emissions.

Draft Model Components

- carbon storage,
- net primary productivity,
- reforestation need
- soil erosion rates,
- soil carbon & moisture (coordinate with efforts for definitions by activity generated by the Healthy Soil Act)



Indigenous and Traditional

Description

Holding space for a model to capture Indigenous and Traditional values.

Threats

- Wildfire
- Post Wildfire Hazards
- Disease, Insects, and Invasive Species
- Development and Fragmentation
- Climate change
- Erosion and sedimentation



Themes

Threats

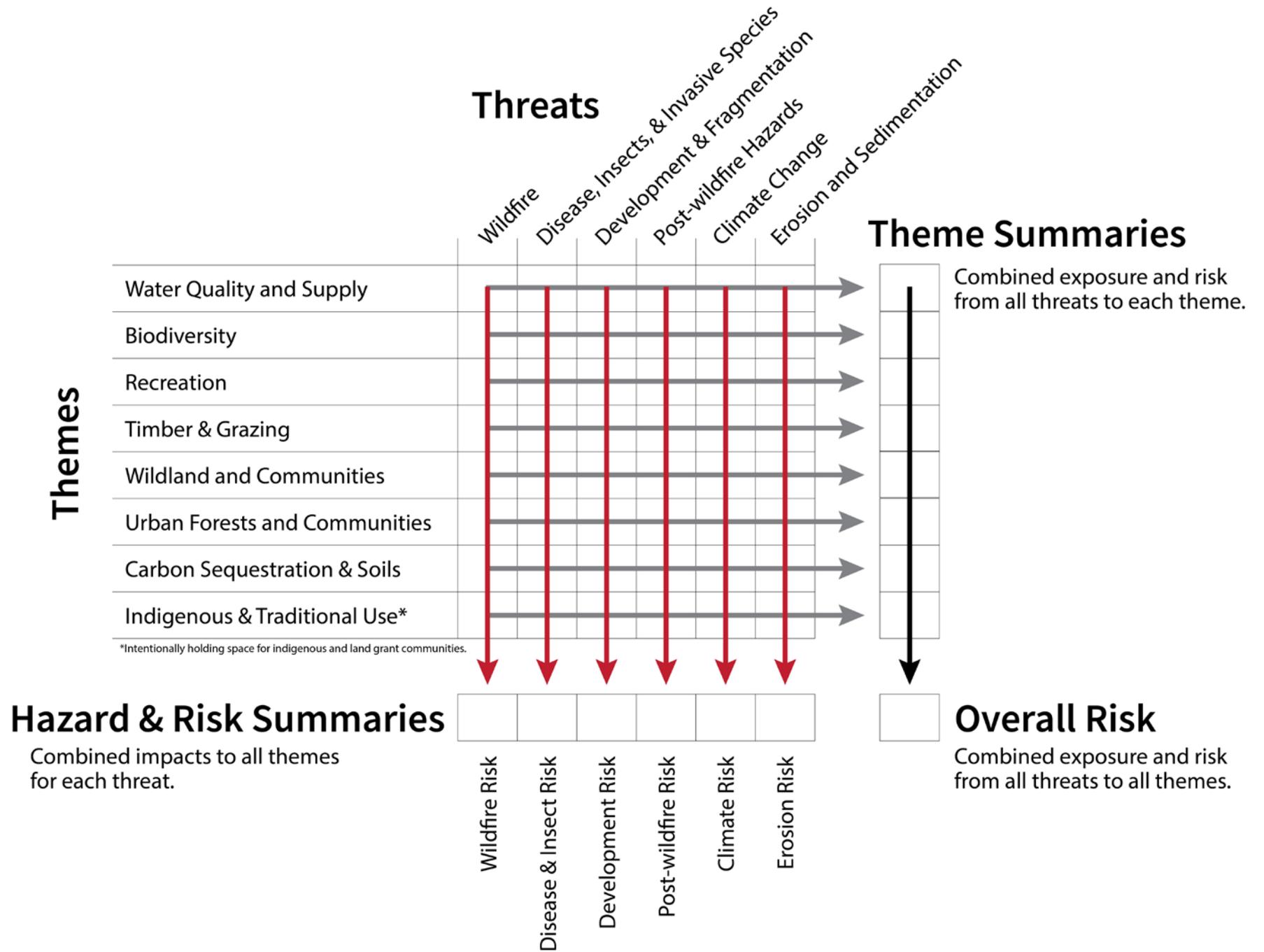
Wildfire
Disease, Insects, & Invasive Species
Development & Fragmentation
Post-wildfire Hazards
Climate Change
Erosion and Sedimentation

Themes	Wildfire	Disease, Insects, & Invasive Species	Development & Fragmentation	Post-wildfire Hazards	Climate Change	Erosion and Sedimentation	Theme Summaries
Water Quality and Supply	→	→	→	→	→	→	→
Biodiversity	→	→	→	→	→	→	→
Recreation	→	→	→	→	→	→	→
Timber & Grazing	→	→	→	→	→	→	→
Wildland and Communities	→	→	→	→	→	→	→
Urban Forests and Communities	→	→	→	→	→	→	→
Carbon Sequestration & Soils	→	→	→	→	→	→	→
Indigenous & Traditional Use*	→	→	→	→	→	→	→

Theme Summaries

Combined exposure and risk from all threats to each theme.

*Intentionally holding space for indigenous and land grant communities.



Breakout Discussions for Each Theme



- *Q1: How would you improve this theme?*
- *Q2: Does each threat affect this theme? Are there any threats that don't apply?*
- *Q3 Do you have recommendations for subject matter experts for this theme's technical panel?*

For more Information or Input



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