

MANAGEMENT ALTERNATIVE

ECOSYSTEM SERVICES

ECOLOGICAL CHANGES

**MECHANICAL THINNING**  
(SITE A- LOWLAND)

**Forest Structure**

- Understory Density
- Horizontal Connectivity
- Total Forest Area

**Fire**

- Fire Severity (% Mortality)
- Fire Return Interval
- Fire Burnt

**Carbon**

- Standing Carbon Stocks
- Rate of Carbon Seq.
- Carbon Seq. in Forest Products

**Pests/Pathogens**

- Outbreak Susceptibility
- Outbreak Area
- Outbreak Intensity

**Forest Floor Structure**

- Soil Compaction
- Litter Depth

**Terr. Sp. Habitats**

- Habitat Suitability
- Contiguous Habitat Area

**Water Yield**

- Water Volume
- Water Timing (Consistency)

**Erosion Potential**

- Runoff

**Air Quality**

- Particulates
- Visibility

**Terr. Sp. Pop.**

- Population Estimates

**Water Quality**

- Sediment Load

**Aq. Sp. Habitat**

- Habitat Suitability

**Fish Populations**

- Population Estimates

Respiratory Health

Commuter Visibility

Reduction of Fire Risk

Climate Stability

Timber

Hiking

Camping

Recreational Hunting

Wildlife Watching

Biodiversity Existence

Boating

Fishing

- Increase
- Decrease
- Increase or Decrease

