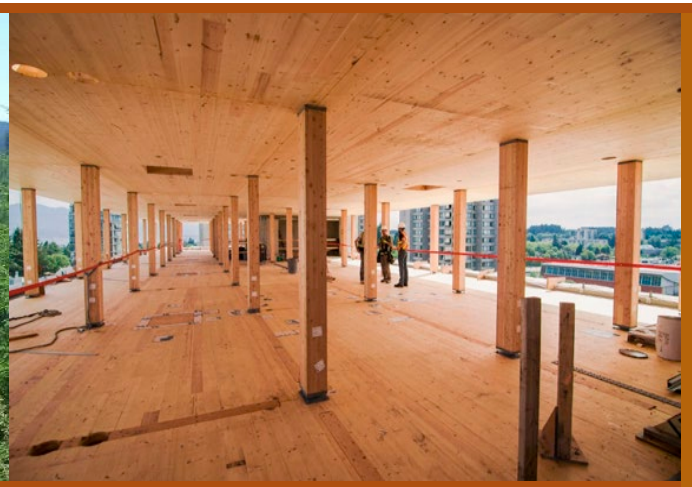
Carbon and Forest Management Work Group

# Scenario Ideas





Meeting 3
January 10, 2023, 9 a.m. – 3 p.m.

# About the Scenario Ideas

- ✓ Represent a range in harvest intensities.
- ✓ DNR baseline approximately in the middle of the harvest intensity range.
- ✓ Compliant with HCP and *Policy for Sustainable Forest* restrictions.
- ✓ Each scenario turns only one "dial" at a time.
- ✓ Starting point for discussion and brainstorming.
- ✓ May be combined to form additional scenarios.

**Creative thinking is encouraged!**

# Factors Held Constant Across Scenarios

- Riparian, upland, and GEM land classifications.
- Age ranges and minimum MBF for light and moderate thinning.
- Minimum age and MBF for variable retention harvest.

# Dials to Turn

Harvest rotation length

Proportion of thinning to stand replacement harvest

Deferral of structurally complex, carbon-dense forest

# Introducing the Scenarios

**Scenario 0**:

Baseline

**Scenario 1**:

Shorten harvest rotation from current 60 to 80-year average

**Scenario 2**:

Lengthen harvest rotation from current 60 to 80-year average

**Scenario 3**:

Defer additional acres of structurally complex, carbon-dense forest

**Scenario 4**:

Significantly increase thinning compared to current practices, prior to final harvest

# Scenario 1: Shorten Harvest Rotations

**Shorten harvest rotation from current average of 60 to 80 years.**

***No additional acres of structurally complex, carbon-dense forest deferred.***

***No increase in proportion of thinning to stand replacement harvest.***

# Scenario 2: Lengthen Harvest Rotations

**Lengthen harvest rotation from current average of 60 to 80 years.**

***No additional acres of structurally complex, carbon-dense forest deferred.***

***No increase in proportion of thinning to stand replacement harvest.***

# Scenario 3: Defer Additional Acres

**Defer additional acres of structurally complex, carbon-dense forest.**

***No changes to harvest rotations.***

***No increase in proportion of thinning to stand replacement harvest.***

# Scenario 4: Increase Thinning

**Significantly increase amount of commercial thinning compared to current practices, prior to final harvest.**

***No additional acres of structurally complex, carbon-dense forest deferred.***

# Summarizing the Scenarios

**Scenario 0**:

Baseline

**Scenario 1**:

Shorten harvest rotation from current 60 to 80-year average

**Scenario 2**:

Lengthen harvest rotation from current 60 to 80-year average

**Scenario 3**:

Defer additional acres of structurally complex, carbon-dense forest

**Scenario 4**:

Significantly increase thinning compared to current practices, prior to final harvest

# Round Robin

Questions about scenarios presented

Initial reactions to scenarios