TREATMENT UNIT SUSTAINABILITY ASSESSMENT FORM (TUSAF)

Harvests may include multiple treatment units. For example, the harvest might include a 10-acre unit to release regeneration and a 40-acre stand improvement unit. A separate Treatment Unit Sustainability Assessment Forms (TUSAF) should be completed for each treatment unit. Attach all TUSAF forms to the single Timber Harvesting Assessment form for the area.

This Form is for Unit #_______ of _______

County of Harvest ____________________________

Township of Harvest __________________________

Total Harvest Acres ___________________________

Treatment Unit Acres _________________________

% of Unit Harvested __________________________

Dates of Harvest _____________________________

Assessment Date ____________________________

Product Destination __________________________

Harvesting Company _________________________

TUSAF Assessor(s) __________________________

Landowner ________________________________

Person to contact for follow-up information or to schedule a site visit:

Name: _____________________________________

Address: ___________________________________

City, State, Zip: _____________________________

Phone: _____________________________________

E-mail: _____________________________________

Signature: __________________________ Date __________

1. Who developed the harvest recommendation and prescription?
   __ Landowner or Landowners family        __ Landowner’s Forester        __ Buyer’s Forester
   __ Timber Harvester / Logger              __ Timber Buyer               __ Other _______________________

2. What ownership category best describes the current owner?
   __ Private forest landowner owning _______ acres in PA.
   __ Industrial forest landowner
   __ Forest investment owner/manager
   __ Municipal
   __ State
   __ Federal

3. Is this harvest associated with conversion to non-forest use?
   __ Yes                                 __ No                        If yes, what?_________________________

Please refer to the diagram below when answering questions 4 and 5 for trees 6 inches DBH and larger.

4. Estimate the percent summer canopy closure that best describes the unit prior to harvest?
   __ Greater than 75%          __ 51 to 75%
   __ 26 to 50%                __ Less than 25%

5. Estimate the percent summer canopy closure that best describes the unit after harvest?
   __ Greater than 75%          __ 51 to 75%
   __ 26 to 50%                __ Less than 25%
### 6. How did the harvest affect the average tree diameter?

- The average diameter increased (many to most of the trees cut were smaller than the average tree diameter before harvest)
- The average diameter remained the same
- The average diameter decreased (many to most of the trees cut were larger than the average tree size before harvest)
- N/A (overstory removal)

### 7. Did the harvest result in a change of timber quality in the residual stand?

- Timber quality improved (most of the trees cut were of below-average quality)
- Timber quality remained the same
- Timber quality decreased (a majority of the high-quality stems were removed or damaged during the harvest and lesser quality stems predominate in the remaining stand)
- N/A (overstory removal)

### 8. How has the harvest affected the species composition of the overstory?

- The percent of medium to low value species decreased
- The percent of medium to high value species decreased
- The percent species composition remained relatively unchanged.
- N/A (overstory removal)

**Answer questions 9 - 14 if the residual overstory canopy closure after harvest will be less than 50% (see question 5).**

### 9. Estimate the percent of the area stocked with advanced desirable seedlings (rooted in mineral soil) and vigorous saplings.

- Less than 10%
- 10 to 30%
- 31 to 50%
- 51 to 70%
- Greater than 70%

### 10. Estimate the percent of the area covered with interfering plants including ferns, grasses/sedges, and/or woody non-commercial species (such as beech, black locust, fire cherry, striped maple, rhododendron, mountain laurel).

- Less than 10%
- 10 to 30%
- 31 to 50%
- 51 to 70%
- Greater than 70%

### 11. Are the seedlings/saplings in question 9 overtopped by the interfering vegetation?

- On less than 10% of the area
- On 10 to 30%
- On 31 to 50%
- 51 to 70%
- On greater than 70%

### 12. Is an interfering plant treatment that conserves seedlings planned in association with this harvest?

- Yes (Describe treatment and schedule)
- No

### 13. What is the expected deer impact on regeneration in this treatment unit?

- High
- Medium
- Low

### 14. Is there a plan to mitigate deer impact?

- Yes
- No

If yes, mark all that apply:

- Fence
- Fertilization
- DMAP (Additional Hunting)
- Other

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