|  |  |  |
| --- | --- | --- |
| **Wildfire Threat Assessment Worksheet – Priority Setting Scoring (complete one for entire proposed treatment area)** | | |
| Location: | Date: | Assessor/  Professional Designation: |
| Coordinates (Lat/Long – Degrees/Decimal Minutes): | | |
| PSTA Threat: |  | FBP Fuel Type: |
| Assessor’s FBP Fuel Type: |  | Ownership: |
| Assessor’s Fuel Type Rationale[[1]](#footnote-1): | | |
| Value Description (include type of value and distance to the value from the proposed treatment area): | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Landscape Assessment** | | | | | |
| Proximity of fuel treatment area to value (m) | 0-100 | 101-500 | 501- 1,000 | 1 000- 2,000 | > 2,000 |
| 25 | 20 | 15 | 5 | 0 |
| Existing Fuel Mgmt. treatment area in place between the proposed treatment area and the value(s) | Yes | No |  |  |  |
| 5 | 0 |  |  |  |
| Treatment Placement: using the predominant wind direction/ fire spread pattern, what is the treatment location in relationship to the value(s) location? |  | Downwind | 2700 offset to prevailing wind/ highest ISI values | 900 offset to prevailing wind/ highest ISI values | Upwind/ highest ISI values |
|  | 0 | 7 | 10 | 15 |
| Distance to nearest vehicle access (m) |  | 0-200 | 201-400 | 401- 1,000 | > 1,000 |
|  | 5 | 3 | 1 | 0 |
| Distance to non-fuel / treated[[2]](#footnote-2) area near the assessment area (m) |  | 0-200 | 201-400 | 401- 1,000 | > 1,000 |
|  | 5 | 3 | 1 | 0 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Topographical Factors** | | | | | |
| Topography: Slope | < 20% | 21-30% | 31-45% | 46-60% | > 60% |
| 0 | 1 | 3 | 4 | 5 |
| Topography: Aspect (> 20% slope) |  | North | East/Flat | West | South |
|  | 0 | 3 | 4 | 5 |
| Slope position of value (only applies if slope is > 20%) |  | Bottom of slope/ valley bottom | Mid slope - bench | Mid slope - continuous | Upper 1/3 of slope |
|  | 0 | 1 | 3 | 5 |

|  |  |
| --- | --- |
| **Total Score:** |  |

|  |
| --- |
| **Comments:** |

|  |  |  |
| --- | --- | --- |
| **Wildfire Threat Assessment Worksheet - Fuel Assessment (Site Level)[[3]](#footnote-3)** | | **Plot #** |
| Location: | Date: | Assessor/  Professional Designation: |
| Coordinates (Lat/Long – Degrees/Decimal Minutes): | | |
| Crown Species Composition (species %): | | |
| Ladder Fuel Species Composition (species %): | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Component/ Sub-Component** | | **Levels/Classes** | | | | |
|  | **Forest Floor and Organic Layer** | | | | | |
| 1 | Depth of organic layer (cm) | 1- < 2 | 2- < 5 | 5- < 10 | 10 - 20 | > 20 |
| 1 | 3 | 5 | 3 | 2 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Surface and Ladder Fuel (0.1 – 3.0 meters in height)** | | | | | |
| 2 | Surface fuel composition | Moss, herbs, deciduous shrubs | Lichen, conifer shrubs | Dead fines fuel[[4]](#footnote-4) (<1 cm) | Pinegrass | Sagebrush, Bunch grass, Juniper, Scotch broom |
| 4 | 6 | 8 | 10 | 15 |
| 3 | Dead and down material continuity  (< 7cm) | Absent | Scattered < 10 coverage | 10-25% coverage | 26-50% coverage | > 50% coverage |
| 0 | 4 | 8 | 12 | 15 |
| 4 | Ladder fuel composition | Deciduous | Mixwood | Other conifer | Elevated dead fuel | Spruce, Fir, Pine |
| 0 | 3 | 5 | 7 | 10 |
| 5 | Ladder fuel horizontal continuity | Absent | Sparse  < 10% coverage | Scattered  10-39% coverage | Patchy  40-60% coverage | Uniform  > 60% coverage |
| 0 | 2 | 5 | 8 | 10 |
| 6 | Stem/ha (understory)[[5]](#footnote-5) | < 900 | 901- 1,500 | 1 501- 2,500 | 2 501- 4,000 | > 4,000 |
| 2 | 4 | 6 | 8 | 10 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Stand Structure and Composition (Dominant and co-dominant stems)** | | | | | |
| 7 | Overstory composition/ Crown Base Height (CBH) | Deciduous  (< 25% conifer) | Mixwood  (% conifer)  25% 50% 75% | Conifer with high CBH (> 10m) | Conifer with moderate CBH  (6-9m) | Conifer with low CBH (< 5m) |
| 0 | 2 5 7 | 10 | 12 | 15 |
| 8 | Crown Closure (CC) | < 20% | 20-40% | 41-60% | 61-80% | > 80% |
| 0 | 1 | 2 | 5 | 4 |
| 9 | Fuel Strata Gap[[6]](#footnote-6) (m) |  | > 10 | 6-9 | 3-6 | < 3 |
|  | 0 | 3 | 7 | 10 |
| 10 | Stems/ha (overstory)[[7]](#footnote-7) | < 400 | 401-600 | 601-900 | 901- 1,200 | > 1,200 |
| 0 | 2 | 3 | 4 | 5 |
| 11 | Dead and dying (% of dominant and co-dominant stems) |  | Standing dead/ Partial down  < 20% | Standing dead/ Partial down  21-50% | Standing dead/ Partial down  51-75% | Standing dead/ Partial down  > 75% |
|  | 2 | 5 | 8 | 10 |

|  |  |
| --- | --- |
| **Total Score[[8]](#footnote-8)**: |  |
| **Eco Province:** |  |
| **Fuel Assessment Rating:** |  |

|  |
| --- |
| **Comments:** |

1. *Must include three photos for each plot (one of forest floor, one of surface and ladder fuel, one of overstory)* [↑](#footnote-ref-1)
2. *Fuel management type treatment where wildfire threat has been mitigated* [↑](#footnote-ref-2)
3. *This sheet is used to summarize and score the completed plot tallies* [↑](#footnote-ref-3)
4. *Leaves, needles or fine branch material* [↑](#footnote-ref-4)
5. *Understory is considered ladder and suppressed stems in this category (distinct break between these stems and overstory)* [↑](#footnote-ref-5)
6. *Fuel Strata Gap – Distance from top of ladder fuel to live crown base height of overstory* [↑](#footnote-ref-6)
7. *Overstory is dominant and co-dominant stems (Green/Living)* [↑](#footnote-ref-7)
8. *110 points based on 65 points on ground, surface and ladder fuel, and 45 points on overstory* [↑](#footnote-ref-8)