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|  |  **WEATHER OBSERVATIONS** |  |  |  |  |  |  |  |  |  |  |  |
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| DATE:  | FIRE NAME: |   | OBSERVERS:  |
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| TIME | LOCATION | ELEVATION | WIND SPEED (GUSTS) | WIND DIRECTION | DRY BULB | WET BULB | RH | DP | ASPECT | SLOPE (%) | % CLOUD COVER | % SHADING | Ref Fuel Moisture | Exposed/ Shaded | FINE DEAD FUEL MOISTURE | PROB. OF IGNITION | COMMENTS (PRECIP, FIRE BEHAVIOR, SMOKE, ETC.) |
| Prescription |   |   |   |   |   |   |   |   |   |   |   |  |  |   |   |   |
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|  |  **FIRE BEHAVIOR OBSERVATIONS** |  |  |  |  |
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| DATE: |   | FIRE NAME: |   | OBSERVERS:  |
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| TIME | LOCATION | ELEVATION | ASPECT | SLOPE (%) | FIRE TYPE\* (B/H/F) Circle one | FLAME LENGTH\* | FLAME ZONE DEPTH\* | ROS\*\_\_\_Ch/hr\_\_\_ft/min\_\_\_Other | PRIMARY CARRIER\* | FUEL MODEL | COMMENTS\* |
| PRESCRIPTION:  |   |   |   |   |   |   |   |   |   |   |
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| \*Fire Type: B (backing), H (heading), or F (flanking) |   |   |   |   |   |   |   | \*Comments: % Consumption, scorch height, spotting dist.,  |
| \*Flame Length (FL): nearest inch (0-23"); 0.5 foot (2-4'); 1.0 foot (4-15'); 5.0 feet (>15') |  |  |  | ~% shading of fuels, fuel continuity |
| \*Flame Zone Depth (FZD): nearest inch (0-23"); 0.5 foot (2-4'): 1.0 foot (>4') |  |  |  |  | ~unusual fire behavior |
| \*Rate of Spread (ROS): ft/min or chains/hr |  |  |  |  |  |  |  |  | ~photo reference # |
| \*Primary Carrier: litter, duff, pine cones, 1hrs, 10 hrs, 100hrs, 1000hrs, grass/forbs, shrubs, trees, etc. |   |   | ~etc. |
|  |  **SMOKE OBSERVATIONS** |  |  |  |  |  |
|  |  |  |  |  |  |  |  | Page \_\_\_ of \_\_\_ |
|  |  |  |  |  |  |  |  |  |
| DATE: |   | FIRE NAME:  | OBSERVERS:  |
| HAINES INDEX:  | FORECASTED TRANSPORT WINDS: | SMOKE SENSITIVE AREAS: |
|  |  |  |  |  |  |  |  |  |
| **TIME** | **LOCATION & ELEVATION** | **WIND SPEED & DIRECTION** | **SMOKE COLUMN OR INVERSION ELEVATION ABOVE GROUND LEVEL** | **SMOKE COLUMN DIRECTION** | **PLUME TYPE 1-5 (BELOW)** |  **COLOR** |  **VOLUME** | **OTHER OBSERVATIONS\*** |
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|  |  |  | PLUME TYPES  |  |  |  |  |
|  | **1** | **2** | **3** | **4** | **5** |  |  |  |
|  | RISING STRAIGHT UP, MAY HAVE CUMULUS TOP | RISING HIGH, THEN SHEARED BY WIND | RISING LOW, WIND INFLUENCED | NOT RISING; LITTLE WIND OR INVERSION | FLOWING OVER STEEP CLIFF OR EDGE; OR COLLAPSED COLUMN |  |  | \*Observations include visibiliy, inversion status, visibility to sighted distance, impacts to smoke sensitive areas/resources, forward & back scatter, complaints, etc. |

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| Fire/Project Name: | **Photograph Log** | Photographers: |
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| **Photo #** | **Date** | **Time** | **Location** | **Comments** |
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