# Monthly Large Fire Potential Report for November 2004

1. **REPORTING UNIT**: **Pacific Northwest Area**

2. **DATE: 10/22/04**

3. **PROBABILITY OF LARGE FIRES**

| | | | | | | |
|---|---|---|---|---|---|---|
| **This Coming Month** | **Below Normal** | **X** | **Normal** | | **Above Normal** | |
| **This Coming Season** | **Below Normal** | | **Normal** | | **Above Normal** | |

**Discussion**: Dry, warm weather in early October caused 100 hr fuel moistures to fall to below-average levels, but energy release component (ERC) remained mostly seasonal and, in most analysis areas, the probability of a large fire fell to below normal levels by the end of the first week of the month. (See table below)
The State of Oregon declared an end to fire season on state-protected lands by mid-month.
The fire season, which seemed to have unusually high potential for severe burning conditions earlier in the year, ended up being remarkably mild, with a near-average number of fires but much below-average acres burned. (See Fire Activity table below).
November potential is below average for the development of large fires, i.e., the severity indexes associated with large fires are below the average or normal range seen during the fire season.(See the season-ending data below).

4. **DROUGHT CONDITIONS, PRECIPITATION, TEMPERATURE**

| PSA | % of Avg Precip last 30 days | Short Term (Palmer) Drought | Long Term Drought - 36 months | Temp Forecast 30 Days | Precip Forecast 30 Days |
|---|---|---|---|---|---|
| W1 | 100% | No | No | Warmer | No Skill* |
| W2 | 100% | No | No | Warmer | No Skill |
| W3 | 100% | No | No | Warmer | No Skill |
| W4 | 100% | No | No | Warmer | No Skill |
| C1 | 100% | No | No | Warmer | No Skill |
| C2 | 80-90% | No | Very Dry | Warmer | No Skill |
| C3 | 90-100% | Severe | Very Dry | Warmer | No Skill |
| E1 | 100% | No | No | Warmer | No Skill |
| E2 | 100% | No | No | Warmer | No Skill |
| E3 | 100% | Severe | No | Warmer | No Skill |
| E4 | 100% | No | Very Dry | No Skill | No Skill |
| E5 | 80%+ | No | No | No Skill | No Skill |

No skill = No definite signals from models for above, below or average.

5. Season Ending Date:

| PSA | 50th Percentile | 90th Percentile | Observed Ending Date* |
|---|---|---|---|
| W1 | 10/7 | 10/25 | 8/20 |
| W2 | 9/27 | 10/25 | 10/5 |
| W3 | 10/8 | 10/26 | 10/5 |
| W4 | 10/1 | 10/8 | 9/10 |
| C1 | 10/9 | 10/23 | 10/6 |
| C2 | 9/26 | 10/22 | 10/5 |
| C3 | 10/5 | 10/20 | 10/17 |
| E1 | 9/7 | 10/14 | 10/7 |
| E2 | 10/9 | 10/24 | 10/5 |
| E3 | 10/14 | 10/19 | 10/9 |
| E4 | 10/6 | 10/24 | 10/8 |
| E5 | 10/13 | 10/23 | 10/17 |

*Observed Date is the last date with severity indexes associated with ***normal*** probability of large fire initiation.

6. Dead Fuels: Red indicates value meeting or exceeding the large fire threshold

| PSA | Observed 100hr Fuel Moisture | Long-Term Avg This Date | 100 threshold | Observed 1000hr Fuel Moisture | Long-Term Avg This Date | 1000 threshold |
|---|---|---|---|---|---|---|
| W1 | | 22 | 13% | | 30 | 18% |
| W2 | 29 | 22 | 13% | 40 | 31 | 18% |
| W3 | 27 | 20 | 10% | 31 | 25 | 18% |
| W4 | 24 | 17 | 10% | 27 | 17 | 15% |
| C1 | 22 | 15 | 7% | 21 | 15 | 12% |
| C2 | 17 | 15 | 7% | 16 | 14 | 12% |
| C3 | 20 | 14 | 7% | 16 | 14 | 12% |
| E1 | 20 | 17 | 6% | 20 | 17 | 12% |
| E2 | 22 | 17 | 6% | 23 | 17 | 12% |
| E3 | 18 | 14 | 6% | 16 | 13 | 12% |
| E4 | 22 | 14 | 7% | 18 | 14 | 12% |
| E5 | 18 | 10 | 5% | 13 | 10 | 12% |

7. Severity – Energy Release Component

| PSA | Observed 10/22 | AVG – This Date | 90th Percentile |
|---|---|---|---|
| W1 | | 10 | 32 |
| W2 | 0 | 9 | 34 |
| W3 | 2 | 14 | 43 |
| W4 | 6 | 30 | 59 |
| C1 | 16 | 38 | 70 |
| C2 | 30 | 40 | 73 |
| C3 | 19 | 46 | 72 |
| E1 | 21 | 32 | 70 |
| E2 | 12 | 32 | 72 |
| E3 | 31 | 43 | 79 |
| E4 | 17 | 40 | 75 |
| E5 | 37 | 60 | 88 |

8. Fire Activity Year to Date

**10 Year Average - Oregon Units Only**
Jan 1 - Dec 31

| Agency | Fires | Acres |
|---|---|---|
| **NPS** | 21 | 9 |
| **FWS** | 13 | 5,899 |
| **BIA** | 101 | 18,518 |
| **BLM** | 322 | 111,512 |
| **USFS** | 1,194 | 125,463 |
| **ORS** | 1,053 | 23,187 |
| **All Oregon** | 2,704 | 284,588 |

**2004 Year to Date - Oregon**

| Fires | Acres | %AvgFires | %AvgAcre |
|---|---|---|---|
| 2 | 81 | 10% | 900% |
| 14 | 839 | 108% | 14% |
| 88 | 14,016 | 87% | 76% |
| 297 | 3,252 | 92% | 3% |
| 892 | 5,173 | 75% | 4% |
| 915 | 6,182 | 87% | 27% |
| 2,208 | 29,543 | 82% | 10% |

**10 Year Average - Washington Units Only**
Jan 1 - Dec 31

| Agency | Fires | Acres |
|---|---|---|
| **NPS** | 51 | 167 |
| **FWS** | 18 | 8,761 |
| **BIA** | 188 | 23,463 |
| **BLM** | 16 | 42,474 |
| **USFS** | 307 | 37,495 |
| **WAS** | 794 | 18,188 |
| **All Wash** | 1,374 | 130,548 |

**2004 Year to Date - Washington**

| Fires | Acres | %AvgFires | %AvgAcre |
|---|---|---|---|
| 61 | 258 | 120% | 154% |
| 24 | 531 | 133% | 6% |
| 272 | 8,658 | 145% | 37% |
| 9 | 1,723 | 56% | 4% |
| 422 | 69,605 | 137% | 186% |
| 829 | 6,681 | 104% | 37% |
| 1,617 | 87,456 | 118% | 67% |

**10 Year Average - PNW Area**
Jan 1 - Dec 31

| Agency | Fires | Acres |
|---|---|---|
| **NPS** | 72 | 176 |
| **FWS** | 31 | 14,660 |
| **BIA** | 289 | 41,981 |
| **BLM** | 338 | 153,986 |
| **USFS** | 1,501 | 162,958 |
| **WAS** | 794 | 18,188 |
| **ORS** | 1,053 | 23,187 |
| **Total** | 4,078 | 415,136 |

**2004 Year to Date - All Units**

| Fires | Acres | %AvgFires | %AvgAcre |
|---|---|---|---|
| 63 | 339 | 88% | 193% |
| 38 | 1,370 | 123% | 9% |
| 360 | 22,674 | 125% | 54% |
| 306 | 4,975 | 91% | 3% |
| 1,314 | 74,778 | 88% | 46% |
| 774 | 3,400 | 97% | 19% |
| 783 | 5,187 | 74% | 22% |
| 3,825 | 116,999 | 94% | 28% |