FIRE DANGER -- Gorge West

Maximum, Average, and 90th Percentile, based on 15 years data

Fire Danger Area:
- Gorge West
- Fire Wx Zone OR607
- Log Creek
  * Meets NWCG Wx Station Standards

Fire Danger Interpretation:
- **EXTREME** -- Use extreme caution
- **High** -- Watch for change
- **Moderate** -- Lower Potential, but always be aware

- Maximum -- Highest Burning Index by day for 2006 - 2020
- **Average** -- shows peak fire season over 15 years (1763 observations)
- **90th Percentile** -- 10% of the 1763 days from 2006 - 2020 had an Burning Index above 32

Local Thresholds - Watch out:
Combinations of any of these factors can greatly increase fire behavior:
- 20' Wind Speed over 10 mph,
- RH less than 30%,
- Temperature over 75,
- 100-Hour Fuel Moisture less than 14

Remember what Fire Danger tells you:
- Burning Index gives day-to-day fluctuations calculated from 2 pm temperature, humidity, wind, daily temperature & rh ranges, and precip duration.
- Wind is part of BI calculation.
- Watch local conditions and variations across the landscape -- Fuel, Weather, Topography.
- Listen to weather forecasts -- especially WIND.

Past Experience:
- East Wind Events/ Thermal Trough: high temps, low RH with poor recovery, rapid drying of fuels, increase wind and gust speed, and instability
- Haines 5 or 6 can lead to rapid fire spread
- Lichen draped fuels become available near 35% RH, increasing likelihood of canopy fire
- Topographic features that funnel winds

<table>
<thead>
<tr>
<th>Fire</th>
<th>Date</th>
<th>Acres</th>
<th>Temp</th>
<th>RH %</th>
<th>BI</th>
<th>100 HR FM %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eagle Creek</td>
<td>9/2/2017</td>
<td>48488</td>
<td>94</td>
<td>20</td>
<td>40</td>
<td>12</td>
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Years to Remember: 2020 2017