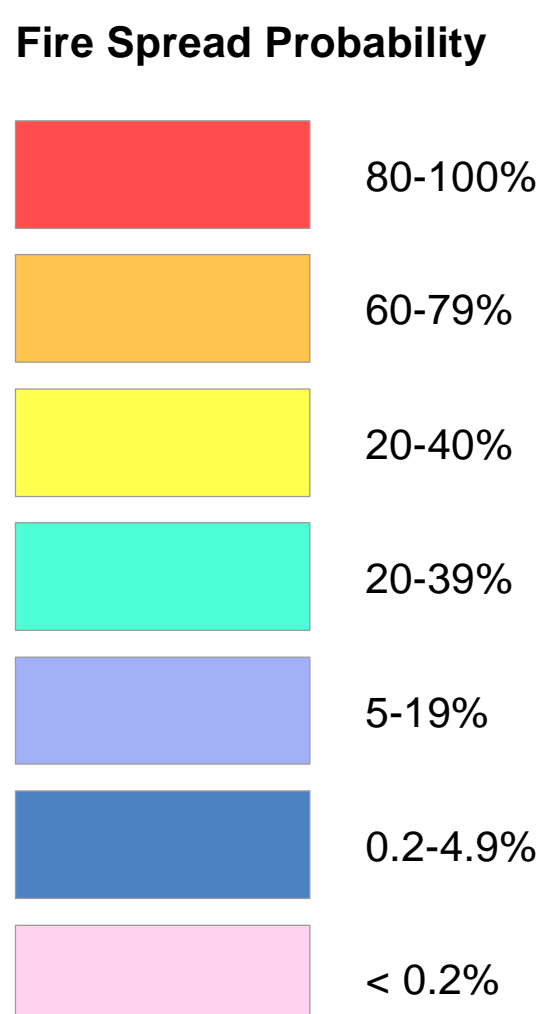


Lolo Peak Fire Fire Spread Probability

MT-LNF-001288
July 27, 2017
2904 Acres



This is a 10 day simulation starting on August 26th with 4 days of forecast weather and 10 days of climatology using Roundtop RAWs. This analysis does not include any suppression actions taken. Average fire size is approximately 12,600 acres for the 10 days simulated. 90th percentile fire size is 22,335 acres and 10th percentile fire size is 4,814 acres. Highway 93 was used as a barrier. The Scott and Reinhardt crown fire method was used with 10 minute average wind speeds. It should be noted that given 10 minute average winds were used this simulation does not account for extreme wind events. Over the majority of the fire area there is a low probability of the fire becoming established east of the Bitterroot divide based on the discontinuous fuels at high elevation. Probability bands indicate continued spread to the north and east towards the community of Lolo. There is also a moderate to high likelihood of fire spreading further northwest down the South Fork of Lolo Creek and into Johnny Creek.