



Figure 1: Photographs were taken in a mechanical rearrangement treatment unit (Continental Divide). It shows the pre and post treatment of the mechanically rearrangement (mastication) of dead and down fuels. Low severity prescribed fire is scheduled for spring 2021.



Figure 2: Panoramic photograph of mechanical rearrangement treatment progression of dead and down fuels (Continental Divide). Comparison of untreated vs treated. Low severity prescribed fire is scheduled for spring 2021.



Figure 3: Overview of hand treatment unit, comparison of untreated vs treated (South Hills of Helena). Low severity prescribed fire is scheduled for spring or fall of 2021.



Figure 4: Panoramic photograph of private land boundary treatment between FS/PVT in South Hills of Helena (Community of Unionville Area). Comparison of untreated vs treated (see Figure 5).



Figure 5: Panoramic photograph of private land boundary treatment between FS/PVT in South Hills of Helena (Community of Unionville Area). Comparison of untreated (see Figure 4) vs treated. Pile burning will take place in winter 2020/2021, followed by a low severity prescribed fire.



Figure 6: Photographs were taken in a hand thinning & piling unit (York Fires Station 2/Eldorado Bar Subdivision area). It shows the post treatment of hand thinning/slashing & piling. Pile burning followed by low severity understory prescribed fire.



Figure 7: Photographs were taken in a hand thinning unit (South Hills of Helena). It shows the post treatment of hand thinning/slashing followed by low severity understory prescribed fire.



Figure 8: Photographs were taken in a hand piling unit (South Hills of Helena), unit is planned for a phased implementation (i.e., hand slashing, piling, pile burning, followed by low severity understory prescribed fire in spring).



Figure 9: Photographs were taken in a thinning unit (Community of York area). It shows the pretreatment condition followed by post thinning prescribed fire.



Figure 10: Photographs were taken in a thinning unit (Community of York – Eldorado Bar Subdivision area). It shows the use of prescribed fire and post treatment effects.



Figure 11: Typical prescribed fire intensity in Mountain Pine Beetle Mortality Ponderosa Pine (South Helena Treatment Unit). Soil monitoring by Forest Soil Scientist of post prescribed fire effects.