**Whitewater, Little Devil and Scorpion Fires Strategic Operational Plan**

**P-A-C-E & Management Action Points (M.A.P.) Sept. 14th 2017**

This plan utilizes the Primary, Alternate, Contingency, and Emergency (P-A-C-E) model for strategic planning. In addition to PACE, Management Action Points (MAP) have been developed to address conditional trigger points, values at risk, recommended resource needs, and estimated implementation costs. This plan was developed to address risk to firefighter and public safety and values identified in the WFDSS decision. A Long Term Strategic Analysis (LTSA) was also developed to assist in the development of this plan. The LTSA is a collection of products developed to analyze past fire occurrence, current fuels and weather conditions, weather and fire danger outlooks, probability of season ending event occurring, identification of values to be protected, and fire spread probabilities model results.

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| P-A-C-E |
| Primary Plan Objectives  Whitewater/Little Devil:  Secure direct perimeter containment lines on the south and west flanks of Whitewater. Monitor by air and IR the remaining fire edge on Whitewater and Little Devil. Allow Little Devil fire to continue to back down on the southwest flank to Devil’s Creek and north to Breitenbush River. Prepare Alternate indirect lines for possible ignition operations if fire threatens to cross either the Devils Creek or Breitenbush River.  Scorpion:  Use direct perimeter containment on the south flank with checking action on the west and east flanks to keep fire from progressing south, east and west. Monitor by air and IR remaining fire edge. Prepare Alternate indirect lines for possible ignition operations. |
| Alternate Plan Objectives  Whitewater/Little Devil:  If Primary plan is unsuccessful, evaluate and consider implementing ignition operations on identified Alternate containment lines to keep fire from progressing northwest, west and to the south.  Scorpion:  If Primary plan is unsuccessful, evaluate and consider implementing ignition operations on identified Alternate containment lines to keep fire from progressing, east, north, and west. |
| Contingency Plan Objectives  All Fires:  If Alternate plan is unsuccessful, evaluate and consider implementing ignition operations on identified Contingency lines to keep fire from progressing south, west and north. Notify Warm Springs Tribe if fire threatens to move east onto Tribal lands. If fire progresses northeast threatening to impact MT. Hood National Forest make appropriate notifications, and evaluate evacuation and area closures for Lake Ollalie Recreation Area. |
| Emergency Plan Objectives  All Fires:  If fire spread is imminent to breach identified Emergency Plan boundaries, then in coordination with Marion County Sheriff’s Office and Marion County Fire Defense, evacuate public and implement structure protection plan using point protection tactics. |

**WHITEWATER/LITTLE DEVIL M.A.P.s**

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| M.A.P. # 21 Triangulation Peak Alternate Plan Section (NO SHAPE) | | |
| **Condition** | **M.A.P. Descriptive location:**  From Drop Point – 2 at the Whitewater fire’s edge where it intersects with road FS-2243 and Whitewater Creek north following the constructed Alternate control lines over Triangulation Peak and down to Devil’s Creek ending at FS road 870 and Little Devil fire’s edge.  **Intent**: Establish control lines to keep fire from progressing west.  **Implementation Condition**: Burning conditions become or predicted to be in prescription and/or fire crosses or is predicted to cross the MAP in one burning period. | **Values at Risk:**   * Private timber stands * Community of Idanha * The Santiam Watershed is the drinking water source for Oregon’s State Capitol city of Salem and the community of Stayton. * Oregon State Highway route 22 * Cultural values * Critical habitat for threatened and endangered Northern Spotted Owl * McCoy shelter   **Probability:** Determined by FSPro, please refer to latest approved FSPro analysis |
| **Action** | **Notifications:**   * Willamette National Forest Agency Administrator Representative * Oregon Department of Forestry Representatives * Pamelia, Freses and Marion Forks Investment Timber Groups   **Probability:** | **Recommended Management Action:**   * Evaluate current and predicted weather and fire conditions particularly season ending events. * Consider implementing burnout operations on Contingency control lines after weighing risk, benefits, and cost of burning out, going direct, and monitoring. |
| **Resources** | **Recommended if Burnout Operations are initiated:**  Overhead   * DIVS with firing operations expertise * 3 TFLD * 2 HEQB * 1 SOFL * 1 READ   Crews   * 2 Type 1 Handcrew * 2 Type 2IA Handcrew * 2 Type 2 Handcrews | Engines   * 5 Engines (Type 3, 4, or 6) * 2 Tactical water tender (WTT2)   Equipment   * 2 Dozer T2   Aircraft   * 1 Air Attack * 1 Aerial Ignition Specialist * 1 T3 Helicopter with PSD and PLDO * 2 T2 or larger Helicopter with bucket/tank |
| \*Duration is estimated for 2 days of ignitions and 5 days of holding and securing | |
| **Cost estimate** | $620,000 |  |

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| M.A.P. # 22 Breitenbush – Alternate/Contingency and Emergency Plans (See MAP shape) | | | | |
| **Condition** | | **M.A.P. Descriptive location:** From the FS 870 road between Skunk Creek and Mill Creek heading north down to Little Devil’s Creek, continuing north over the ridge and down to South Fork Breitenbush River ending at the NF 4685 road.  **Intent**: Establish control line to stop further spread of the Little Devil fire to the west and north.  **Implementation Condition**: Fire establishes itself west of the MAP or is expected to cross with in one burning period.  **Probability:** Determined by FSPro, please refer to latest approved FSPro analysis | **Values at Risk:**   * Breitenbush Community including residences and Breitenbush Hot springs Resort and Community Center. * Devils Creek area recreation residences. * Municipal Watershed for Salem * PGE and BPA power lines * Forest Service Road 46 * Private timber lands * Critical Northern Spotted Owl habitat. * Steelhead fisheries at risk if high severity causes sedimentation * Cultural resources * Hwy 46 timber planning units along the 870, 4685, 302, 310 roads * Breitenbush Lake trailhead and campground * Numerous trails and trailheads infrastructure including outhouse and bulletin boards | |
| **Action** | | **Notifications:**   * Chief of Marion Forks County Fire Defense (Terry Riley) * Agency Administrator Willamette National Forest * Forest Fire Duty Officer Willamette National Forest * Marion County Sheriff’s Office * Breitenbush Community liaison * Pamelia, Freses and Marion Forks Investment Timber Groups * Public meetings should be considered for Breitenbush, Idanha, and Marion Forks. * Consider notifying PGE and BPA power companies | **Recommended Management Actions to Consider:**   * Initiating evacuation plans for Breitenbush Hot springs Community and Devil’s Creek residences. * Initiating Structure Protection Plans with Marion County Fire Department providing point protection of structures in Breitenbush Hot springs Community and Devil’s Creek residences. * Implementing ignition operations on roads FS-870 and FS 4685 that are identified as Alternate control lines * Consider road and trail closures and public notifications in consultation with Resource Advisors | |
| **Resources** | | **Recommended:** There is approximately 9 miles of Alternate line to burnout as well as provide structure protection for approximately 146 structures. | | |
| Overhead   * DIVS with firing operations expertise * 3 TFLD * 2 HEQB * 1 SOFL * 1 READ   Crews   * 2 Type 1 Handcrew * 2 Type 2IA Handcrew * 2 Type 2 Handcrew   Equipment   * 2 Dozer T2 | Engines   * 5 Engines (Type 3, 4, or 6) * 2 Tactical water tender (WTT2) * 2 Strike team Structure Engines from Marion County Fire Defense   Aircraft   * 1 Air Attack * 1 Aerial Ignition Specialist * 1 T3 Helicopter with PSD and PLDO * 2 T1 Helicopter with bucket/tank | |
| \*Duration is estimated for 2 days of ignitions and 5 days of holding and securing. | | |
| **Cost estimate** | | $720,000 | | |
| M.A.P. # 23 N. Fork Breitenbush River (NEED SHAPE) | | | |  | |
| **Condition** | **M.A.P. Descriptive location:** North side of Alternate control lines from South Fork Breitenbush River Trailhead southeast to Drop Point - 67    **Intent**: Establish control lines to keep fire from progressing north.  **Implementation Condition**: Fire crosses Alternate control lines pushes north and establishes on the north slope of Breitenbush Mountain.  **Probability**: Determined by FSPro, please refer to latest approved FSPro analysis | | | **Values at Risk:**   * Breitenbush Community including residences and Breitenbush Hot springs Resort and Community Center. * Municipal Watershed for Salem * Forest Service Road 46 * Critical Northern Spotted Owl habitat. * Steelhead fisheries at risk if high severity causes sedimentation * Cultural resources * Hwy 46 timber planning units along the 870, 4685, 302, 310 roads * Breitenbush Lake trailhead and campground * Numerous trails and trailheads infrastructure including outhouse and bulletin boards | |
| **Action** | **Notifications:**   * Chief of Marion Forks County Fire Defense (Terry Riley) * Agency Administrator Willamette National Forest, and Mount Hood National Forest * Forest Fire Duty Officer Willamette National Forest * Marion County Sheriff’s Office * Breitenbush Community liaison * Public meetings should be considered for Breitenbush. * Consider notifying PGE and BPA power companies. | | | **Recommended Management Action:**   * Evaluate current and predicted weather and fire conditions particularly season ending events. * Consider implementing burnout operations on Contingency control lines after weighing risk, benefits, and cost of burning out, going direct, and monitoring * Evaluate and consider implementing Evacuation and Structure Protect plans | |
| **Resources** | **Recommended if Burnout Operations are initiated:** | | | | |
| Overhead   * DIVS with firing operations expertise * 3 TFLD * 2 HEQB * 1 SOFL * 1 READ   Crews   * 2 Type 1 Handcrew * 2 Type 2IA Handcrew * 2 Type 2 Handcrews | | | Engines   * 5 Engines (Type 3, 4, or 6) * 2 Tactical water tender (WTT2)   Equipment   * 2 Dozer T2   Aircraft   * 1 Air Attack * 1 Aerial Ignition Specialist * 1 T3 Helicopter with PSD and PLDO * 2 T2 or larger Helicopter with bucket/tank | |
| \*Duration is estimated for 2 days of ignitions and 5 days of holding and securing. | | | | |
| **Cost estimate** | $620,000 | | |  | |

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| M.A.P. # 24 Olallie Lake Cont. (old 20) Keep Shape | |  |
| **Condition** | **M.A.P. Descriptive location:** From Drop Point – 67 in the North Fork Breitenbush River south to Breitenbush ridge then following topographic features to southeast to Park Butte before ending at Russell Lake.    **Intent**: (Recommended) Begin discussions with Mt. Hood National Forest on additional MAPs for evacuation and closure plans for the Olallie Lake Recreation Area.  **Implementation Condition**: Fire establishes itself beyond the MAP or is expected to cross the MAP within one burning period. | **Values at Risk:**   * Ollalie Lake Recreation Area – Special Interest Area * Jefferson Wilderness values * Inventoried Roadless Area * Power lines * Critical Northern Spotted Owl habitat * Bald Eagle Habitat * Pacific Crest Tail   **Probability”** Determined by FSPro, please refer to latest approved FSPro analysis |
| **Action** | **Notifications:**   * Agency Administrator Willamette National Forest, and Mount Hood National Forest * Forest Fire Duty Officer Willamette National Forest * Marion and Jefferson County Sheriff’s Offices * Breitenbush Community liaison * Public meetings should be considered for Breitenbush. * Consider notifying PGE and BPA power companies | **Recommended Management Action:**   * Consult with Mt. Hood National Forest for possible Lake Ollalie Recreation Area closures * Develop evacuation and closure plans for FS 4220 road and Ollalie Lake vicinity. * Develop new MAPs considering season ending event probabilities. * Consider new WFDSS planning area and adding Mt Hood Authors and Approvers |
| **Resources** | **Recommended:**  Overhead   * SOPL * LTAN/GSAN * WFDSS Specialist * READs |  |
| **Cost estimate** | $20,000 |  |

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| M.A.P. # 25 (old 11) Warm Springs Notification | |  |
| **Condition** | **M.A.P. Descriptive location:** On the eastern side of Whitewater fire between the headwaters of Whitewater creek and South Fork Breitenbush Rivers in the Jefferson Park area and Park, Rock, and Scout Lakes.    **Intent**: Notify and continue discussions with the Confederated Tribes of the Warm Springs Reservation on additional Management Action Points (M.A.P.) within the Reservation boundary, and consider Unified Command with Warm Springs Tribe.  **Implementation Condition**: Fire establishes itself east of the MA P or is expected to cross MAP within one burning period. | **Values at Risk:**   * Confederated Tribes of the Warm Springs Reservation * Warm Springs Reservation concerns due to cultural sites. * Pacific Crest Trail – National Scenic Trail * Type 1 Airshed * Roadless Values * Jefferson Wilderness * White Bark Pine * Critical Northern Spotted Owl habitat   **Probability:** Determined by FSPro, please refer to latest approved FSPro analysis |
| **Action** | **Notifications:**   * USFS Agency Administrators and Representatives - Willamette National Forest * Designated Confederated Warm Springs Tribal Government Representative * Forest Fire Duty Officers -Willamette National Forest and Warm Spring Tribe * Bureau of Indian Affairs, Northwest Regional Office | **Recommended Management Action:**   * Coordinate with Warm Springs Tribe to address suppression strategies and values to be protected * Develop new WFDSS decision that includes Warm Springs Reservation Authors and Approvers * Acknowledge Warm Springs Tribal values of concern * Utilize Minimum Impact Suppression Tactics (MIST) as appropriate and where feasible |
| **Resources** | **Recommended:**   * WFDSS specialist from Willamette National Forest and Warm Spring Tribe * SOPL * LTAN/GSAN |  |
| **Cost estimate** | $10,000 | |

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| M.A.P. # 26 Deschutes National Forest Notification (old MAP 16) Keep original shape | | |
| **Condition** | **M.A.P. Descriptive location:** South slopes of Mt Jefferson in the Shale Lake area south-southwest to Bingham Ridge.    **Intent**: (Recommended) Notify Deschutes National Forest and assess probabilities fire will impact values east of MAP  **Implementation Condition**: Fire establishes itself east of MAP or is expected to cross MAP within one burning period | **Values at Risk:**   * Jefferson Wilderness * Pacific Crest Trail * Deschutes National Forest * White Bark Pine * Cultural Values   **Probability:** Determined by FSPro, please refer to latest approved FSPro analysis |
| **Action** | **Notifications:**   * Agency Administrators Willamette * Agency Administrators Deschutes National Forests | **Recommended Management Action:**   * Notify Deschutes National Forest of potential for fire to impact their lands to the east. * Begin new WFDSS decision including Deschutes National Forest Authors and Approvers * New Delegation of Authority to include Deschutes National Forest * Asses fire growth potential to the east |
| **Resources** | **Recommended:**  Overhead   * SOPL * LTAN * WFDSS specialist |  |
| **Cost estimate** | $20,000 | |

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| M.A.P. # 27 Marion Forks Contingency Plan (NO SHAPE) | | |
| **Condition** | **M.A.P. Descriptive location:** From Drop Point – 2 south to Drop Point – 10.  **Intent**: Establish control lines to keep fire from progressing south.  **Implementation Condition**: Fire crosses current containment lines and progresses south and west. | **Values at Risk:**   * Marion Forks residences and private business * Boy Scouts of America Camp Pioneer off NF 2261 Road. * Community of Idanha * Marion Fork fish hatchery * Private timber stands * Oregon State Highway 22 * Drinking water source for Detroit, the Santiam River * Riverside campgrounds   **Probability**: Determined by FSPro, please refer to latest approved FSPro analysis |
| **Action** | **Notifications:**   * Willamette National Forest Agency Administrator Representative * Oregon Department of Forestry Representatives * Pamelia, Freses and Marion Forks Investment Timber Groups * Marion Forks County Fire Defense * Public meetings should be considered for Idanha, Marion Forks | **Recommended Management Action:**   * Evaluate current and predicted weather and fire conditions particularly season ending events.   Consider implementing burnout operations on Contingency control lines after weighing risk, benefits, and cost of burning out, going direct, and monitoring. |
| **Resources** | **Recommended if Burnout Operations are initiated:**  Overhead   * DIVS with firing operations expertise * 3 TFLD * 2 HEQB * 1 SOFL * 1 READ   Crews   * 2 Type 1 Handcrew * 2 Type 2IA Handcrew * 2 Type 2 Handcrews | Engines   * 5 Engines (Type 3, 4, or 6) * 2 Tactical water tender (WTT2)   Equipment   * 2 Dozer T2   Aircraft   * 1 Air Attack * 1 Aerial Ignition Specialist * 1 T3 Helicopter with PSD and PLDO * 2 T2 or larger Helicopter with bucket/tank |
| \*Duration is estimated for 2 days of ignitions and 5 days of holding and securing. | |
| **Cost estimate** | $620,000 | |

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| M.A.P. # 28 – Pigeon Prairie Contingency Plan (NO SHAPE) | | |
| **Condition** | **M.A.P. Descriptive location:** West side of Alternate Control lines from Drop Point 2 north to Drop Point – 62.  **Implementation Condition**: Burning conditions become or predicted to be in prescription  **Probability:** Determined by FSPro, please refer to latest approved FSPro analysis | **Values at Risk:**   * Private timber stands * Community of Idanha * The Santiam Watershed is the drinking water source for Oregon’s State Capitol city of Salem and the community of Stayton. * Oregon State Highway route 22 * Cultural values * Critical habitat for threatened and endangered Northern Spotted Owl * McCoy shelter |
| **Action** | **Notifications:**   * Willamette National Forest Agency Administrator Representative * Oregon Department of Forestry Representatives * Pamelia, Freses and Marion Forks Investment Timber Groups | **Recommended Management Action:**   * Evaluate current and predicted weather and fire conditions particularly season ending events. * Consider implementing burnout operations on Contingency control lines after weighing risk, benefits, and cost of burning out, going direct, and monitoring. |
| **Resources** | **Recommended if Burnout Operations are initiated:**  Overhead   * DIVS with firing operations expertise * 3 TFLD * 2 HEQB * 1 SOFL * 1 READ   Crews   * 2 Type 1 Handcrew * 2 Type 2IA Handcrew * 2 Type 2 Handcrews | Engines   * 5 Engines (Type 3, 4, or 6) * 2 Tactical water tender (WTT2)   Equipment   * 2 Dozer T2   Aircraft   * 1 Air Attack * 1 Aerial Ignition Specialist * 1 T3 Helicopter with PSD and PLDO * 2 T2 or larger Helicopter with bucket/tank |
| \*Duration is estimated for 2 days of ignitions and 5 days of holding and securing. | |
| **Cost estimate** | $620,000 |  |

**SCORPION M.A.P.s**

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| M.A.P. # 4 Scorpion Alternate Lines (new shape) | | |
| **Condition** | **M.A.P. Descriptive location:** From FS 297 road northwest to Scorpion Creek.  .  **Intent**: Establish control lines to keep fire from progressing north and east.  **Implementation Condition**: Fire crosses or is expected to cross MAP within one burning period.  **Probability**: Determined by FSPro, please refer to latest approved FSPro analysis | **Values at Risk:**   * Breitenbush Community including residences and Breitenbush Hot springs Resort and Community Center. * Devils Creek area recreation residences. * Detroit Municipal Watershed * PGE and BPA power lines * Forest Service Road 46 * Private timber lands * Critical Northern Spotted Owl habitat. * Steelhead fisheries at risk if high severity causes sedimentation * Cultural resources * Hwy 46 timber planning units along the 870, 4685, 302, 310 roads * Numerous trails and trailheads infrastructure including outhouse and bulletin boards |
| **Action** | **Notifications:**   * Agency Administrator – Willamette National Forest | **Recommended Management Action:**   * Evaluate current and predicted weather and fire conditions particularly season ending events. * Consider implementing burnout operations on Contingency control lines after weighing risk, benefits, and cost of burning out, going direct, and monitoring. |
| **Resources** | **Recommended if Burnout Operations are initiated:**  Overhead   * DIVS with firing operations expertise * 3 TFLD * 2 HEQB * 1 SOFL * 1 READ   Crews   * 2 Type 1 Handcrew * 2 Type 2IA Handcrewsv * 2 Type 2 Handcrews | Engines   * 5 Engines (Type 3, 4, or 6) * 2 Tactical water tender (WTT2)   Equipment   * 2 Dozer T2   Aircraft   * 1 Air Attack * 1 Aerial Ignition Specialist * 1 T3 Helicopter with PSD and PLDO * 2 T2 or larger Helicopter with bucket/tank |
| \*Duration is estimated for 2 days of ignitions and 5 days of holding and securing. | |
| **Cost estimate** | $620,000 | |

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| M.A.P. # 5 Level 2 Evacuation | | |
| **Condition** | **M.A.P. Descriptive location:** On FS 46 road ¼ mile west of Minnie Boo Hoo Creek north to Drop Point – 87.    **Intent**: Implement level 2 Evacuation order, and structure protection plan for Breitenbush Hot Springs area.  **Implementation Condition**: Fire establishes itself across MAP or is expected to cross within one burning period.  **Probability:** Determined by FSPro, please refer to latest approved FSPro analysis | **Values at Risk:**   * Breitenbush Community including residences and Breitenbush Hot springs Resort and Community Center. * Devils Creek area recreation residences. * Detroit Municipal Watershed * PGE and BPA power lines * Forest Service Road 46 * Private timber lands * Critical Northern Spotted Owl habitat. * Steelhead fisheries at risk if high severity causes sedimentation * Cultural resources * Hwy 46 timber planning units along the 870, 4685, 302, 310 roads * Breitenbush Lake trailhead and campground |
| **Action** | **Notifications:**   * Chief of Marion Forks County Fire Defense (Terry Riley) * Marion County Sheriff’s Office * Agency Administrator Willamette National Forest * Forest Fire Duty Officer Willamette National Forest * Breitenbush Community liaison * Pamelia, Freses and Marion Forks Investment Timber Groups * Public meetings should be considered for Breitenbush, Idanha, and Marion Forks. * Consider notifying PGE and BPA power companies | **Recommended Management Action:**   * Initiating evacuations plan for Breitenbush Hot springs Community and Devil’s Creek residences. * Initiating Structure Protection Plans with Marion County Fire Department providing point protection of structures in Breitenbush Hot springs Community and Devil’s Creek residences. * Implementing ignition operations on roads FS-870 and FS 4685 that are identified as Alternate control lines * Consider road and trail closures and public notifications in consultation with Resource Advisors * Protecting Steelhead fisheries by utilizing “fish screens” when drafting water from natural water bodies |
| **Resources** | **Recommended:**  Overhead   * DIVS with firing operations expertise * 3 TFLD * 2 HEQB * 1 SOFL * 1 READ   Crews   * 2 Type 1 Handcrew * 2 Type 2IA Handcrew * 2 Type 2 Handcrews | Engines   * 5 Engines (Type 3, 4, or 6) * 2 Tactical water tender (WTT2) * 2 Strike team Structure Engines from Marion County Fire Defense   Equipment   * 2 Dozer T2   Aircraft   * 1 Air Attack * 1 Aerial Ignition Specialist * 1 T3 Helicopter with PSD and PLDO * 2 T2 or larger Helicopter with bucket/tank |
| \*Duration is estimated for 2 days of ignitions and 5 days of holding and securing. | |
| Cost estimate | $720,000 | |
| M.A.P. # 6 Level 3 Evacuation | | |
| **Condition** | **M.A.P. Descriptive location:**  **Intent**: Implement level 3 Evacuation order, and structure protection plan for Breitenbush Hot Springs area.  **Implementation Condition**: Fire establishes itself across MAP or is expected to cross within one burning period.  **Probability:** Determined by FSPro, please refer to latest approved FSPro analysis | **Values at Risk:**   * Breitenbush Community including residences and Breitenbush Hot springs Resort and Community Center. * Devils Creek area recreation residences. * Detroit Municipal Watershed * PGE and BPA power lines * Forest Service Road 46 * Private timber lands * Critical Northern Spotted Owl habitat. * Steelhead fisheries at risk if high severity causes sedimentation * Cultural resources * Hwy 46 timber planning units along the 870, 4685, 302, 310 roads |
| **Action** | **Notifications:**   * Chief of Marion Forks County Fire Defense (Terry Riley) * Marion County Sheriff’s Office * Agency Administrator Willamette National Forest * Forest Fire Duty Officer Willamette National Forest * Breitenbush Community liaison * Public meetings should be considered for Breitenbush, Idanha, and Marion Forks. * Consider notifying PGE and BPA power companies | **Recommended Management Action:**   * Initiating evacuations plan for Breitenbush Hot springs Community and Devil’s Creek residences. * Initiating Structure Protection Plans with Marion County Fire Department providing point protection of structures in Breitenbush Hot springs Community and Devil’s Creek residences. * Implementing ignition operations on roads FS-870 and FS 4685 that are identified as Alternate control lines * Consider road and trail closures and public notifications in consultation with Resource Advisors * Protecting Steelhead fisheries by utilizing “fish screens” when drafting water from natural water bodies |
| **Resources** | **Recommended:**  Overhead   * DIVS with firing operations expertise * 3 TFLD * 2 HEQB * 1 SOFL * 1 READ   Crews   * 2 Type 1 Handcrew * 2 Type 2IA Handcrew * 2 Type 2 Handcrew | Engines   * 5 Engines (Type 3, 4, or 6) * 2 Tactical water tender (WTT2) * 2 Strike team Structure Engines from Marion County Fire Defense   Equipment   * 2 Dozer T2   Aircraft   * 1 Air Attack * 1 Aerial Ignition Specialist * 1 T3 Helicopter with PSD and PLDO * 2 T2 or larger Helicopter with bucket/tank |
| \*Duration is estimated for 2 days of ignitions and 5 days of holding and securing. | |
| **Cost estimate** | $720,000 | |