

Appendix 1 - Wallow Fire Restoration Project Summary by Program Area and Priority Level and Planned Year of Activity

| PROGRAM AREA/PRIORITY/PROJECT DESCRIPTION | NEED/OUTPUT | FISCAL YEAR(s) of Activity | | | | | | | |
|---|-----------------------------------|----------------------------|------|------|------|------|------|------|-------------------|
| | | FY11 | FY12 | FY13 | FY14 | FY15 | FY16 | FY17 | FY18 |
| NEPA | | | | | | | | | |
| High | | | | | | | | | |
| Section 18 Reviews - Eagar South/Nutriosos2 | 4,450 acres | | X | X | | | | | |
| Comprehensive Restoration NEPA Planning | 1+ NEPA Analyses (~538,000 acres) | | X | X | | | | | |
| RANGE/INVASIVE SPECIES | | | | | | | | | |
| High | | | | | | | | | |
| Condition Assessment & replacement of range improvements (415 miles of fence, 58 spring developments, 30 troughs, 3 tanks, 384 stock water ponds, 2 well/windmill structures, 44 corrals) | 45 allotments | X | X | X | X | X | | | |
| Invasive Weed Monitoring | 41,500 acres/year | X | X | X | X | | | | |
| Invasive Weed Treatment | 6,000 acres/year | X | | | | | | | |
| Range Veg. Assessments | 45 assessments | X | X | X | X | X | | | |
| Range Veg. Monitoring (test draft protocol) | Monitoring/Research | | X | X | | | | | |
| Range Veg. Recovery Post fire - post-fire forage response | Monitoring/Research | | | | | | | | Throughout |
| Moderate | | | | | | | | | |
| Section 18 Reviews of NEPA Decisions for AMPs and Permit Admin | 20 allotments | | X | X | | | | | |
| FIRE/FUELS | | | | | | | | | |
| High | | | | | | | | | |
| Fuels and fire behavior assessment | 1 assessment | X | X | | | | | | |
| Fuels treatment effectiveness research | Monitoring/Research | | | | | | | | Throughout |
| Low/Mod Rx fire maintenance | 5,000 acres/year | | | | X | X | X | X | X |
| NEPA to allow RX fire in Wallow burned area | NEPA analysis/decision | | X | X | | | | | |
| Moderate | | | | | | | | | |
| Public Education of Fuels Treatment Effectiveness (Driving Tour) | 1 interpretive plan | | X | | | | | | |
| Regeneration Hazard Reduction | 5,000 acres/year | | | | | | X | X | X |
| SOILS/WATERSHED | | | | | | | | | |
| Safety | | | | | | | | | |
| Post-Fire Flow Models for 4 communities (Detail Hydro GS11 and GS12) | 4 assessments | | X | | | | | | |
| Mulch (2 years) | 3,900 acres/year | | X | X | | | | | |
| Municipal WS restoration (Greer, Eagar, Nutrioso, Alpine) | 4 watersheds | | X | X | X | | | | |
| High | | | | | | | | | |
| Bank stabilization (3 years) | 150 structure units/year | | X | X | X | | | | |
| Baseline & monitoring equipment - for 50 HUC6 watersheds | 50 watersheds | | X | | | | | | |
| Channel restoration (4 years) | 11 miles/year | | X | X | X | X | | | |
| Hydro NEPA & Monitoring (salvage NEPA, change condition assessment, | see restoration NEPA above | | X | X | X | X | X | X | X |
| Riparian planting & channel structures (4 years) | 100 acres/year | | X | X | X | X | | | |
| Seeding - 9,000 acres year 2, 4,500 acres year 3 | 9,000 acres | | X | | X | | | | |

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|--|---|----------------------------|---|---|-------------------|---|---|---|---|---|
| WILDLIFE | | | | | | | | | | |
| High | | | | | | | | | | |
| Three Forks springsnails sediment mitigation/protection Sierra Blanca Marshas (6 reochrene spring-runs) | 6 habitat areas | | X | X | X | X | | | | |
| AZG&F browse seed planting and monitoring | as identified | | | | Throughout | | | | | |
| Critical T&E and proposed species assessment and monitoring | 1 assessment 6 monitoring requirements | | X | X | X | X | X | | | X |
| Elk Enclosure Repair | 10 enclosures | X | X | | | | | | | |
| Landscape-scale assessment (TES/Wildlife/Aquatics/Rare Plants) | 1 assessment | | X | X | | | | | | |
| MSO PAC & Critical Habitat Soil Stabilization - seeding and mulching | 1,000 acres | | X | X | | | | | | |
| SW willow flycatcher breeding area fence replacement | 3.4 miles fence | | | X | | | | | | |
| Trespass livestock removal | 1 contract | X | | | | | | | | |
| Moderate | | | | | | | | | | |
| Pronghorn GPS collar movement assessment | 1 assessment | | X | X | X | | | | | |
| SW willow flycatcher breeding habitat; planting need and assessment (Alpine horsepasture 55 ac, Nelson Reservoir 46 ac, Greer Sites 1 & 2 45 ac) | 146 acres | | | X | | | | | | |
| Rare Plant Pop'n Assessment, Protection, and Monitoring | 21 species | | X | X | | | | | | |
| FISHERIES | | | | | | | | | | |
| High | | | | | | | | | | |
| Monitor Apache trout barriers | 14 barriers | | X | X | X | | | | | |
| Monitor critical fish population and habitat | 597 miles | | X | X | X | X | X | X | X | X |
| Restore pools for Apache trout | 10 pools | | X | X | | X | X | | | |
| Upland treatment on priority watershed | 11,234 acres | | X | X | X | | | | | |
| Restock and augment native fishes | 9 species | | X | | | | | | | |
| Moderate | | | | | | | | | | |
| Restoration of Reservoir Fisheries | 4 reservoirs | | | | X | | | | | |
| ROADS | | | | | | | | | | |
| Safety | | | | | | | | | | |
| Adequate signage/Hazards | 300 signs | X | X | | | | | | | |
| Arch Culvert @ NFSR 68 | 1 arch culvert | | X | | | | | | | |
| Gate replacement (completed during BAER) | N/A | X | X | | | | | | | |
| Hazard Tree Removal | 2,700 miles | X | X | X | | | | | | |
| Larger culverts critical watersheds | 205 culverts | X | X | X | | | | | | |
| Low water crossings | 80 crossings | X | X | | | | | | | |
| Storm patrol - personnel time for monitoring | 2,400 hours | X | X | X | | | | | | |
| High | | | | | | | | | | |
| Bridge Replace NFSR 26 & 25 | 2 bridges | X | | | | | | X | | |
| Bridge/culvert sedimentation cleaning | 90 treatments | X | X | X | | | | | | |
| Cattleguard cleanings | 120 treatments | X | X | | | | | | | |
| Clean culverts openings | 700 culverts | X | X | | | | | | | |
| Crossing overflow structures | 70 structures | X | X | | | | | | | |
| Fix roadway surface & prism | 35 miles | X | X | X | | | | | | |
| Jersey barrier drainage - 1 mile jersey barriers need to be cleaned approx. 5 times | 5 treatments (1 mile each) | X | X | | | | | | | |

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|--|---------------|----------------------------|---|---|---|---|---|
| Monitor bridges/HEC RAZ flow calculations - completed by Engineer | 1,000 hours | X | X | X | | | |
| Plan/monitor road closure - personnel time | 1,000 hours | X | X | | | | |
| Replace major stream culverts | 25 culverts | | X | | | | |
| Surface & prism Maintenance ML 3-5 | 210 miles | | X | X | | | |
| Moderate | | | | | | | |
| Clean bar ditches add Cap | 100 miles | X | X | X | X | | |
| Priority Implementation of AOP projects - aquatic passages | 3 crossings | | X | X | X | X | X |
| Reevaluate AOP crossings | 12 crossings | | X | | | | |
| Riprap inlets, outlets & ditches | 45 miles | X | X | X | | | |
| Low | | | | | | | |
| ML 1 Road Closure | 285 miles | | X | | | | |
| Remove dips/LW xings | 1,200 dips | | | | | | X |
| Remove hazard signs | 800 signs | | | | | | X |
| RECREATION | | | | | | | |
| Safety | | | | | | | |
| Dev Rec Site Clos Plan | 1 plan | X | | | | | |
| Hazard Tree Removal (assume not all 700 dispersed sites need hazard tree removal) | 200 sites | | X | X | X | | |
| Remove Ground Hazards (2 campgrounds) | 2 campgrounds | X | X | | | | |
| Trails Haz Tree Removal - assume along non-motorized trails in non-closure areas | 265 miles | X | X | X | X | | |
| Moderate | | | | | | | |
| Information Kiosks (13 trailheads) | 13 kiosks | | X | | | | |
| Interpretive Sites | 2 overlooks | | X | | | | |
| Motorized Trail Repair (Saffel Canyon) | 25 miles | X | X | | | | |
| NonMotorized Trail Repair (non-closure areas) | 265 miles | | X | X | X | X | |
| Rec Site ID - signage for dispersed sites (assume a portion of 700 dispersed sites need signage) | 400 sites | | X | X | | | |
| Repair CG Sites (South Fork, East Fork, West Fork, Head of the Ditch, Winn CGs and Hulse Lake Day Use Fishing) | 6 sites | | X | X | | | |
| Repair Damage Toilets | 10 toilets | | X | | | | |
| Repair Trailheads (moderately damaged) | 13 trailheads | | X | | | | |
| Restore Closure Trails non-motorized | 50 miles | | | | X | X | |
| Sewage Treatment Lagoon at Big Lake Recreation Area Repair | 1 Facility | | X | X | X | | |
| LANDLINES | | | | | | | |
| High | | | | | | | |
| Resurvey/Post landline | 120 miles | X | X | X | X | | |

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|---|---|----------------------------|---|---|---|---|---|---|---|
| SALVAGE | | | | | | | | | |
| Safety | | | | | | | | | |
| Roadside Haz Tree Salvage ML 2-5 | 1,000 miles or 36,364 acres | X | X | X | X | | | | |
| Moderate | | | | | | | | | |
| Prepare and Implement Salvage Project | 50,000 acres | | X | X | X | | | | |
| Roadside Haz Tree Salvage ML 1 | 700 miles or 25,500 acres | | X | X | X | | | | |
| INSECTS AND DISEASE | | | | | | | | | |
| Safety | | | | | | | | | |
| Hazard Tree Recognition Training | 3 training sessions | | X | X | | | | | |
| Survey of Developed Rec Sites for Hazard Trees (8 campgrounds, 5 rec. complexes, 2 overlooks, 1 rental cabin, 5 day use, 40 trailheads) | 61 recreation sites | | X | X | X | X | | | |
| High | | | | | | | | | |
| Beetle Abatement (MCH Caps) - High Value Sites | 2,400 acres/year | | X | X | | | | | |
| SILVICULTURE | | | | | | | | | |
| High | | | | | | | | | |
| Prepare Comprehensive Reforestation Plan and NEPA (1 reforestation + 1 seed procurement plan) | 2 plans | X | X | | | | | | |
| Reforestation in High Priority Areas (collect seed, sow/lift seed, planting and site prep) | 2,500 acres/year | | X | X | X | X | X | X | X |
| Update stand boundaries in FSVeg database (GIS query shows 272 stands) | 270 stands | | X | | | | | | |
| INFRASTRUCTURE | | | | | | | | | |
| High | | | | | | | | | |
| Monitor Dams for debris flows | 19 dams | | X | X | | | | | |
| Sediment cleanout Hulse, Sierra Blanca, Acre lakes | 3 reservoirs | | X | X | | | | | |
| Moderate | | | | | | | | | |
| Monitor Admin Bldgs for flood damage | 1 administrative site | | X | | | | | | |
| Replace Escudilla and Big Lake lookouts | 2 lookout towers | | | X | X | | | | |
| HERITAGE | | | | | | | | | |
| High | | | | | | | | | |
| Wallow Restoration Work - Section 106 compliance oversight- 221 cultural resource sites within burn area | 221 heritage assets managed to standard | | X | X | X | | | | |
| Wallow Restoration Section 106 Compliance (\$25-30/acre) - contract | Acres TBD by project planning | | X | X | | | | | |
| Develop programmatic agreement to guide compliance | 1 agreement | | X | X | | | | | |
| Complete identified BAER projects for sites damaged by the fire. | Sites TBD by additional survey | | X | X | | | | | |