

Main and South Diamond Habitat Improvement Project (Implementation)



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Project Contacts



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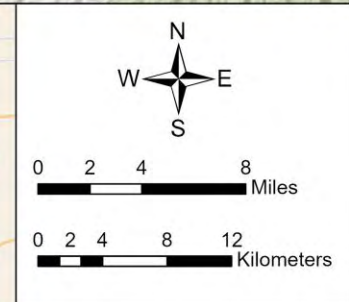
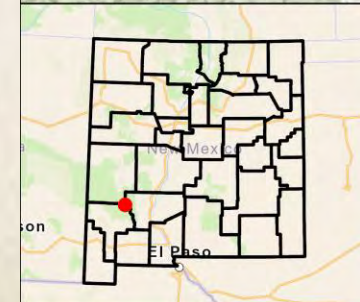
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Project Location

- Gila National Forest, Aldo Leopold Wilderness
- Both trails to access each creek section start at Diamond Creek Trailhead located 44 miles north of Mimbres, NM.



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Project Background

- The 2022 Black Fire encompassed 327,263 acres of the Gila National Forest, most of which occurred within the Aldo Leopold Wilderness Area.
- 93% of Main Diamond Creek headwaters burned
- 92% of the South Diamond Creek Watershed burned.
- No Gila Trout survived
- Main Diamond and South Diamond Creek were two of five creeks with genetically pure lineages of Gila Trout when listed as endangered in 1967 prior the Endangered Species Act of 1973.



Project Purpose

- **Restoring Aquatic Habitat**
 - Improving channel stability
 - Restore pool frequency and depths
 - Restore natural cover and shading to regulate water temperature and maintain adequate dissolved oxygen levels
 - Increase resilience to future disturbances
 - Erosion control
 - Nutrient management
 - Reducing heavy metal contamination

Repatriation of Gila Trout!!

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Update!

- 30% Designs Completed
- 100% Designs by June 2026
- Implementation anticipated to begin
fall of 2026



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NMDW Diamond Creek			
Construciton Items			
Number	Consturction Note Item	Unit	QTY
100	Install Boulder Cluster	ea	299
101	Install Mini Weir	ea	26
102	Install One Rock Dam	ea	89
103	Install Install Zuni Bowl	ea	9
104	Install Contraction Dart	ea	21
105	Install Log or Rock Dart	ea	1
106	Install Rootwad	ea	31
107	Install Log Jam	ea	6
108	Install Log Headcut Fill	ea	1
109	Install Log Rock and Roll Structure	ea	1
110	Willow Pole Plantings	ea	421
111	Vertical Bundles (5ft O.C)	ea	20
112	Install Rock Rundown	ea	1
113	Install Toe Rock	lf	95
114	Install Cross Log	ea	8

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Estimated Implementation Cost

Main and South Diamond -\$500,000



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