

South Fork Rio Bonito Habitat Improvement Project



Fisheries Division



Project Contacts



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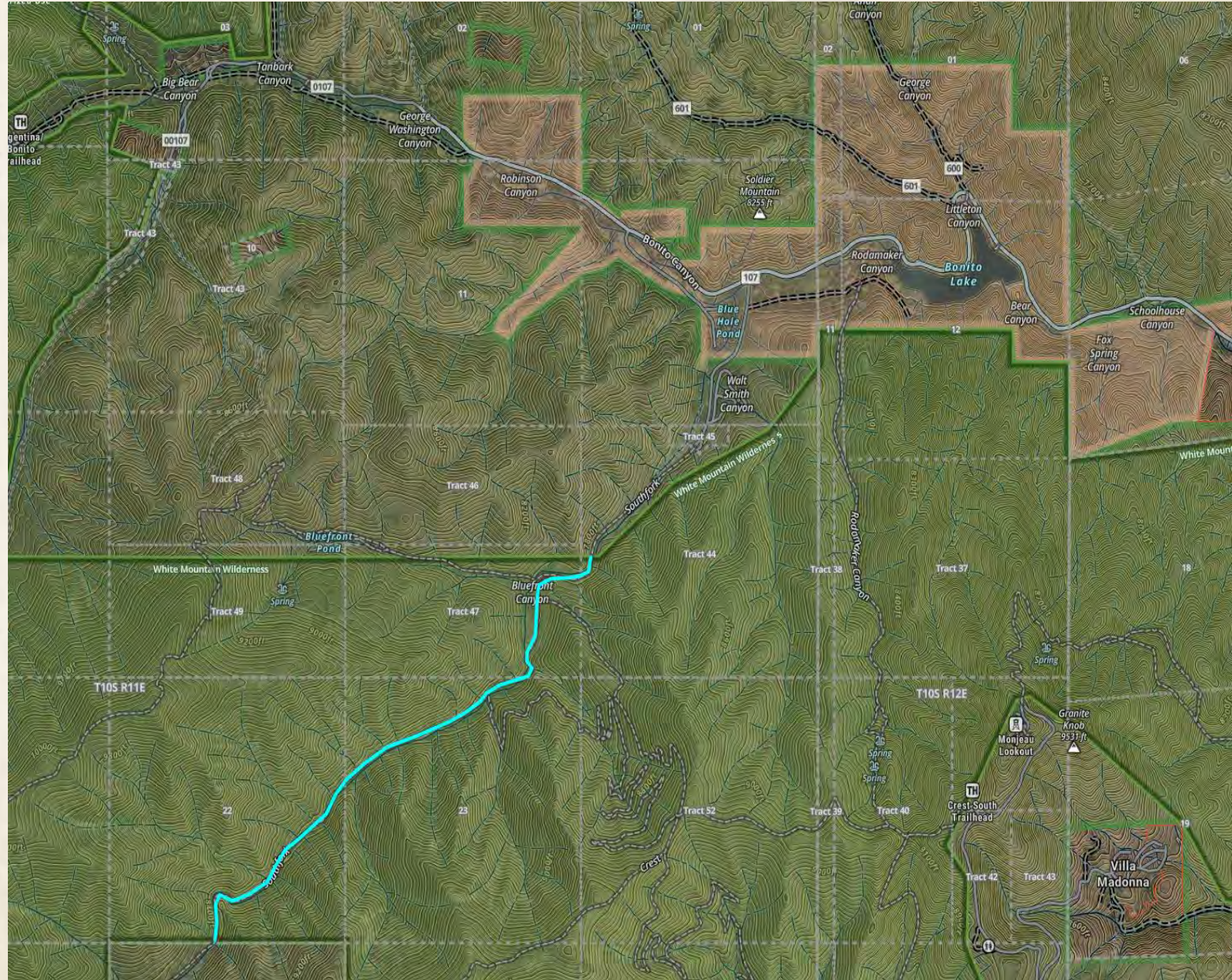
Fish Habitat Coordinator
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Project Location

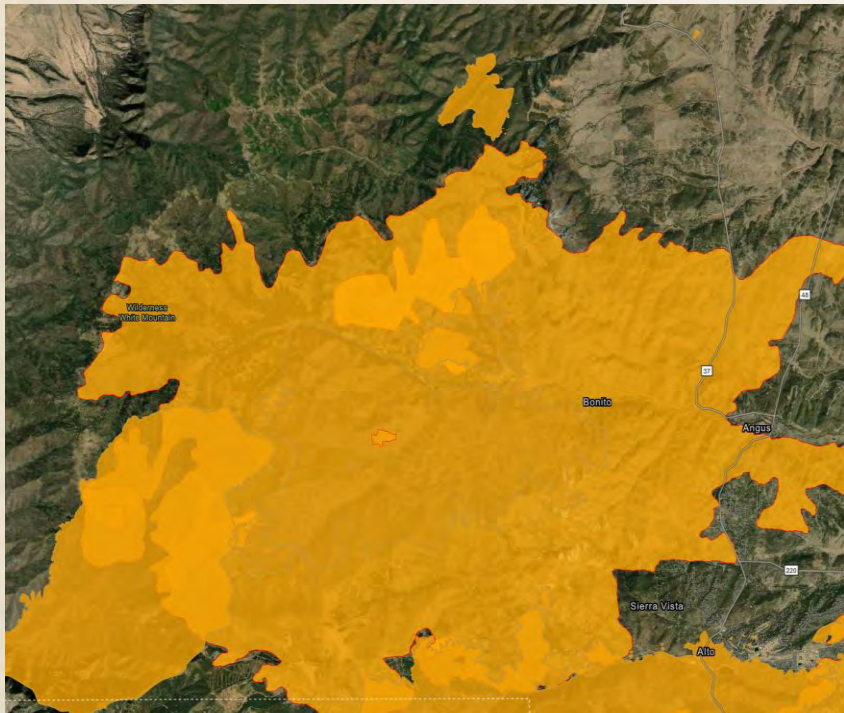
- Lincoln National Forest, Smokey Bear
Ranger District, White Mountain
Wilderness
- Reach Coordinates
 - Downstream (33.44082, -105.76261)
 - Upstream (33.41969, -105.79027)
- ~ 2.5 River Miles



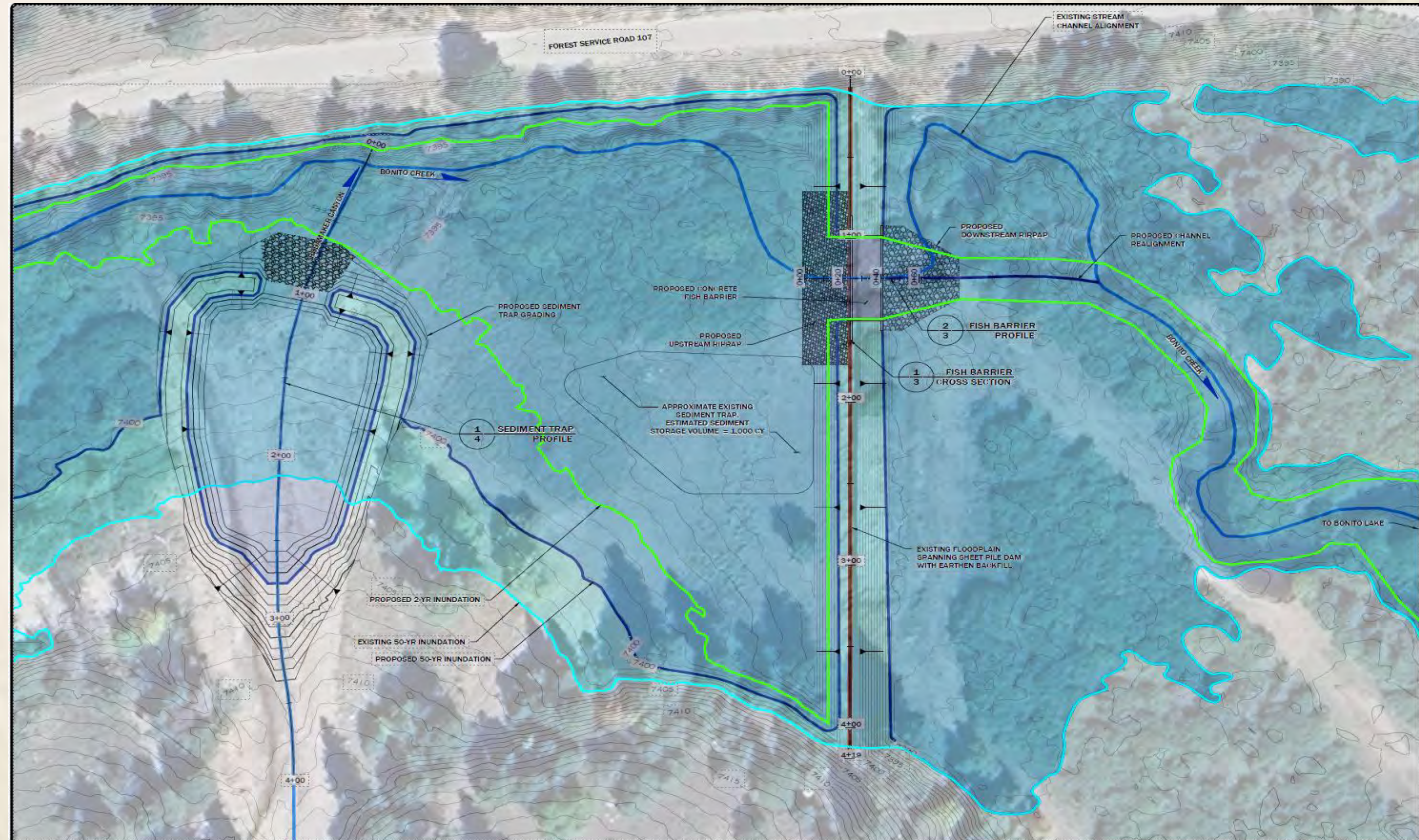
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Project Background

- 2012 Little Bear Fire- 44,000 acres
- 2021 Three Rivers Fire- 7,000 acres
- 2024 Blue 2 Fire- 7,500 acres



- DOW/USFS
 - YY Brook Trout
 - Nonnative fish removal
- DOW/ City of Alamogordo
 - Fish barrier
 - Sediment Mitigation
 - Instream Habitat Restoration



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
- **Repatriation of Rio Grand Cutthroat Trout (Pecos Strain)**
- **Structure Types**
 - Root wads
 - Rock sills
 - Boulder clusters
 - Log/Rock veins
 - Willow pole planting
 - Cross vein weirs



Estimated Preliminary Design Cost \$40,000



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