

COCHISE COUNTY

Engineering & Natural Resources

Flood Control District

Board of Supervisors

Work Session November 29, 2022



Public Programs...Personal Service

Flood Control District

- Citizen Concerns
- Floodplain Regulations
- Monsoon Floods 2022
- Project Updates



Flood Control District

- Citizen Concerns
 - Neighbor diverting stormwater
 - Culverts
 - Berms / ditches
 - Flooding



Flood Control District

- Floodplain Regulations
 - National Flood Insurance Program (NFIP)
 - Regulates development in a FEMA Special Flood Hazard Area (SFHA)
 - 26,418 parcels in SFHA
 - 14,463 structures in SFHA
 - 57 Floodplain Use Permits 2022
 - 206 Erosion Hazard Setbacks
 - 188 Inquiries
 - 68 Elevation Certificates



Flood Control District

- Floodplain Regulations
 - National Flood Insurance Program (NFIP)
 - Disaster Assistance
 - FDIC Loans (VA/HUD)
 - Community Rating System (CRS)
 - Level 9, Current
 - 5% Discount on Flood Insurance
 - Level 8, Goal with update FCD Regulations
 - 10% Discount on Flood Insurance
 - Finish Floor Elevation of 1 foot above highest adjacent grade for all structures or
 - Dry / Wet Floodproof of non-livable structures



Flood Control District

- Floodplain Regulations
 - Development of Land
 - Watercourse Master Plan
 - Flood Control Works and Storm Drainage
 - Preservation and Restoration of the Floodplain
 - Groundwater Recharge Projects
 - Flood Warning Systems



Flood Control District

- Monsoon Floods
 - History
 - Last 5 years
 - 2022



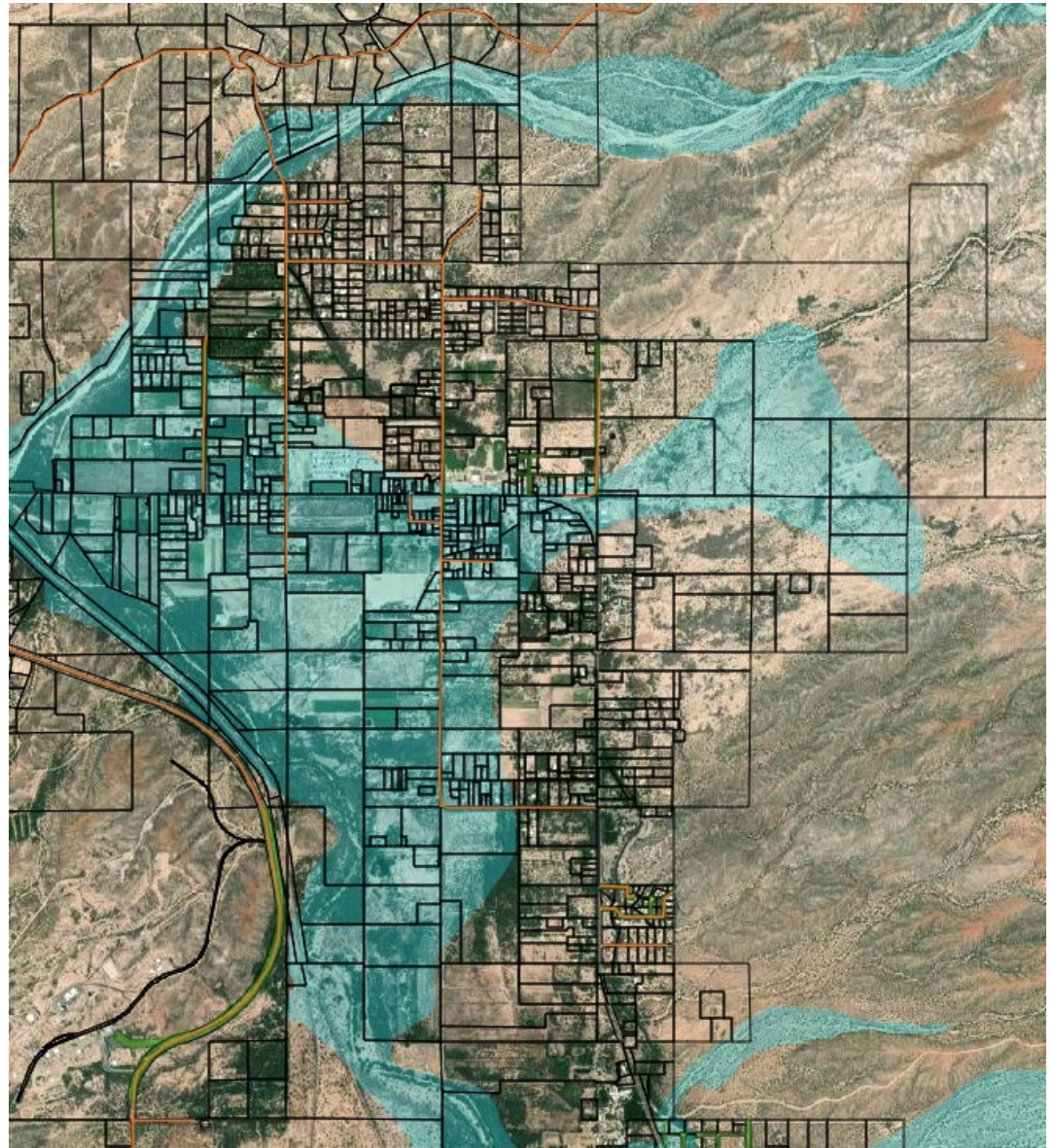
Monsoon Floods 2022

- St. David
- Elfrida
- Whetstone
- Spot localized areas



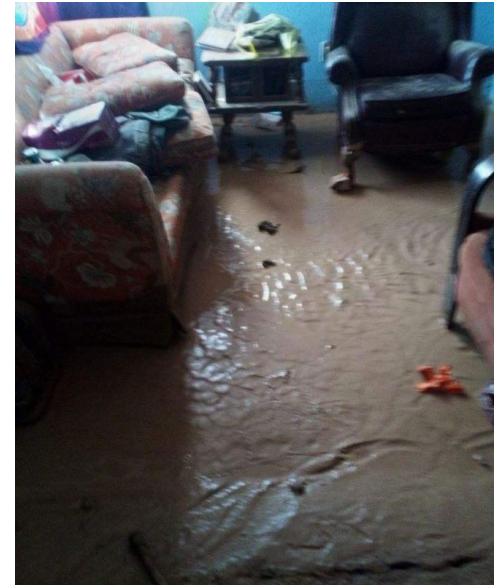
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St David

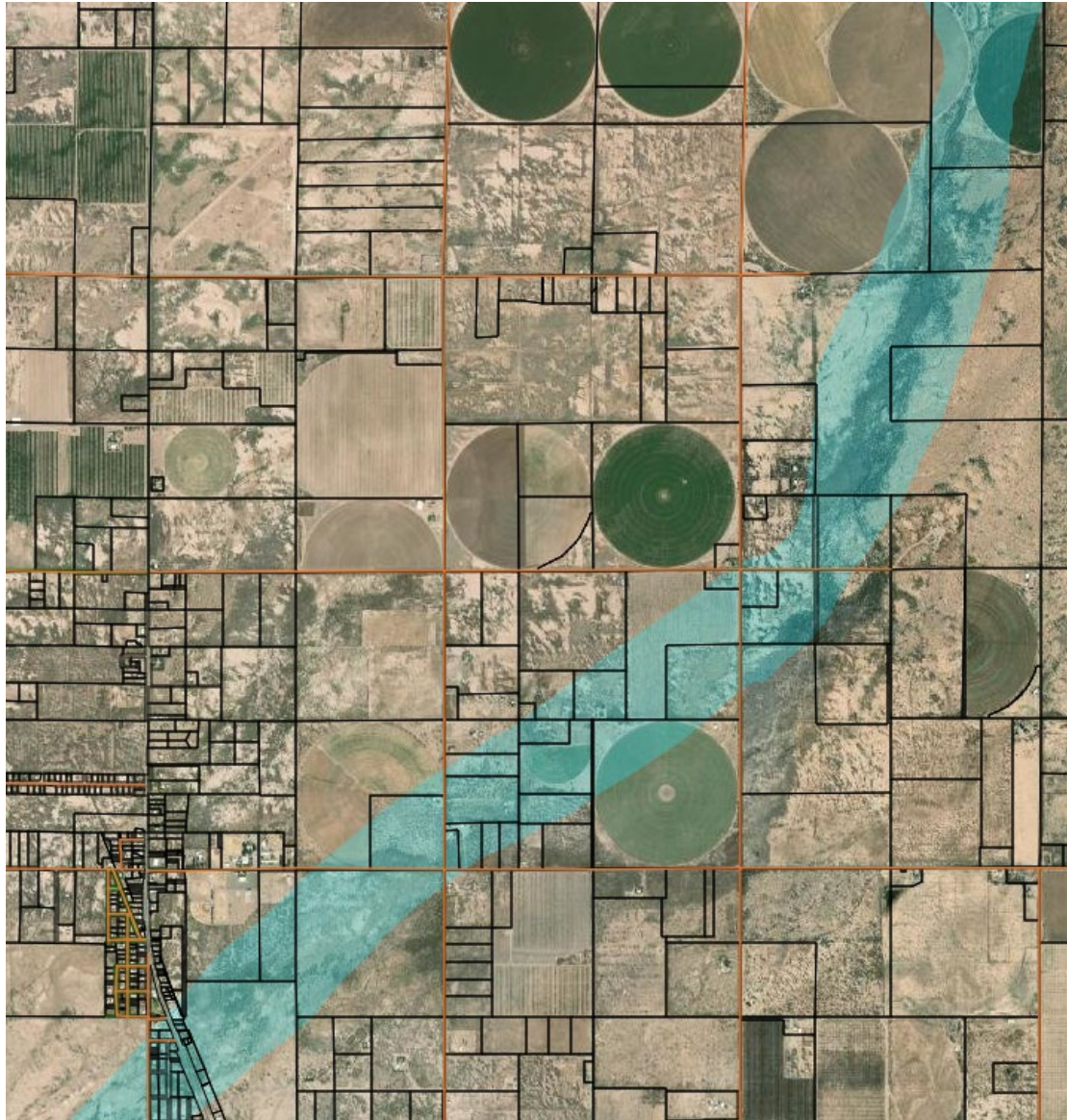


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St David Flood
August 2022



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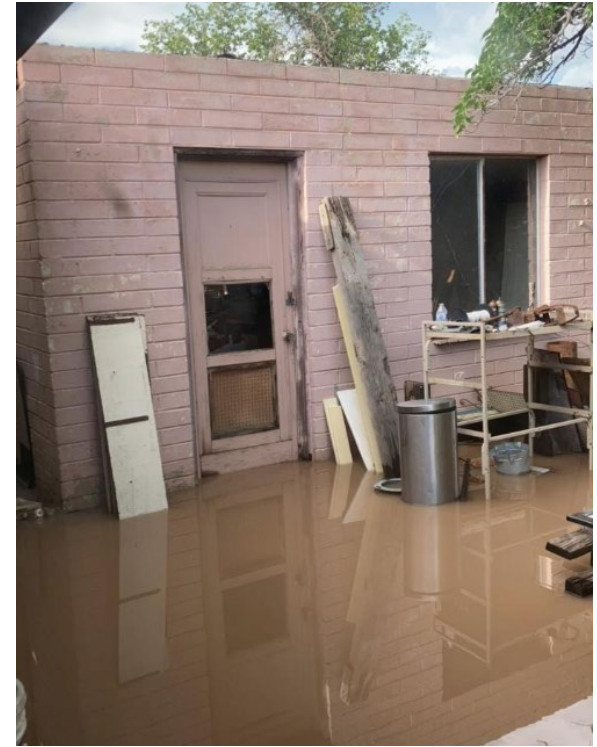
Elfrida

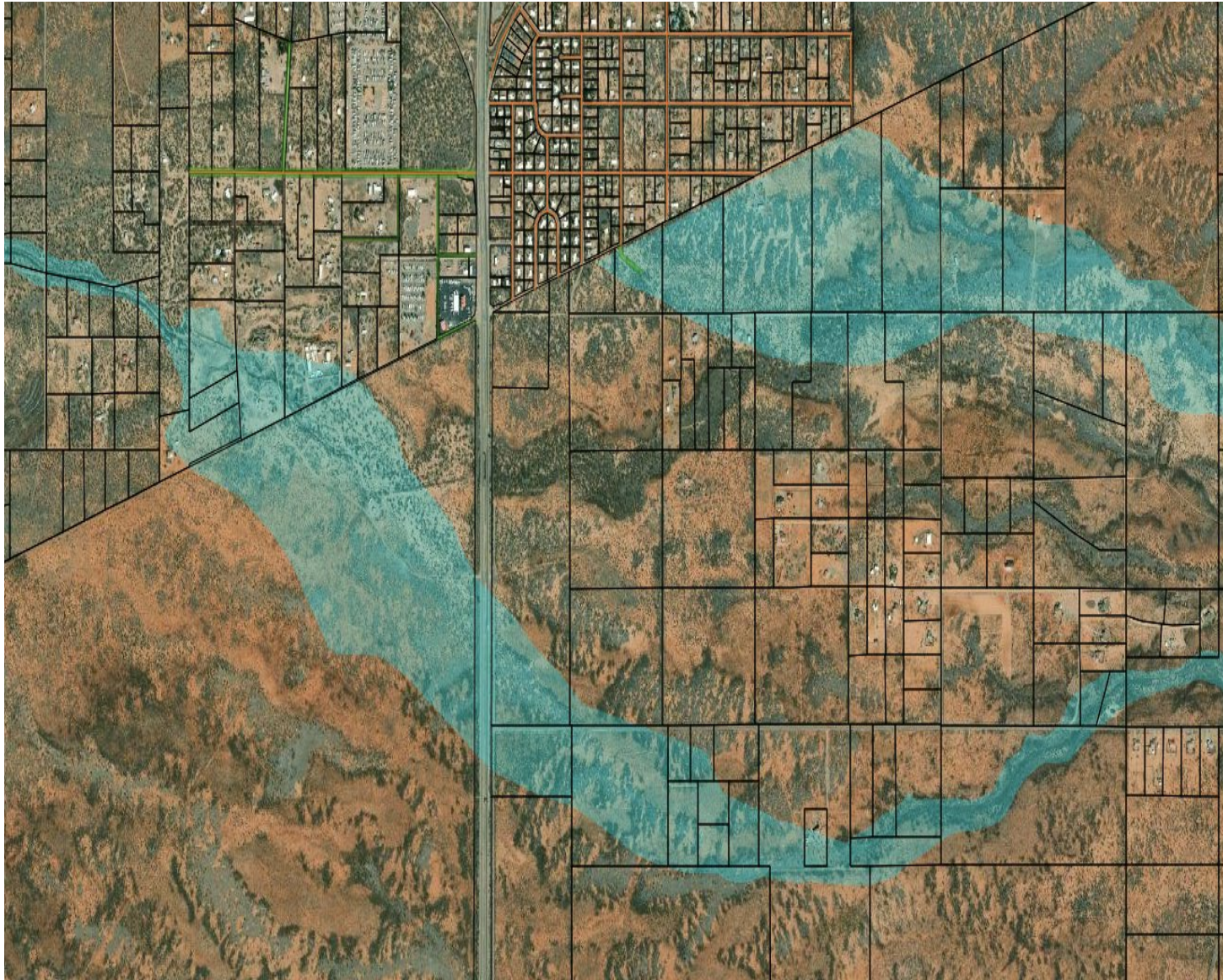


Rucker Creek



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Whetstone



Flood Control District

- Project Updates
 - FEMA Maps
 - Projects
 - New Projects



FEMA Flood Maps

- City of Bisbee
- St. David
- Huachuca City
- Sierra Vista
- Benson
- Hereford
- Base Level Engineering (BLE)



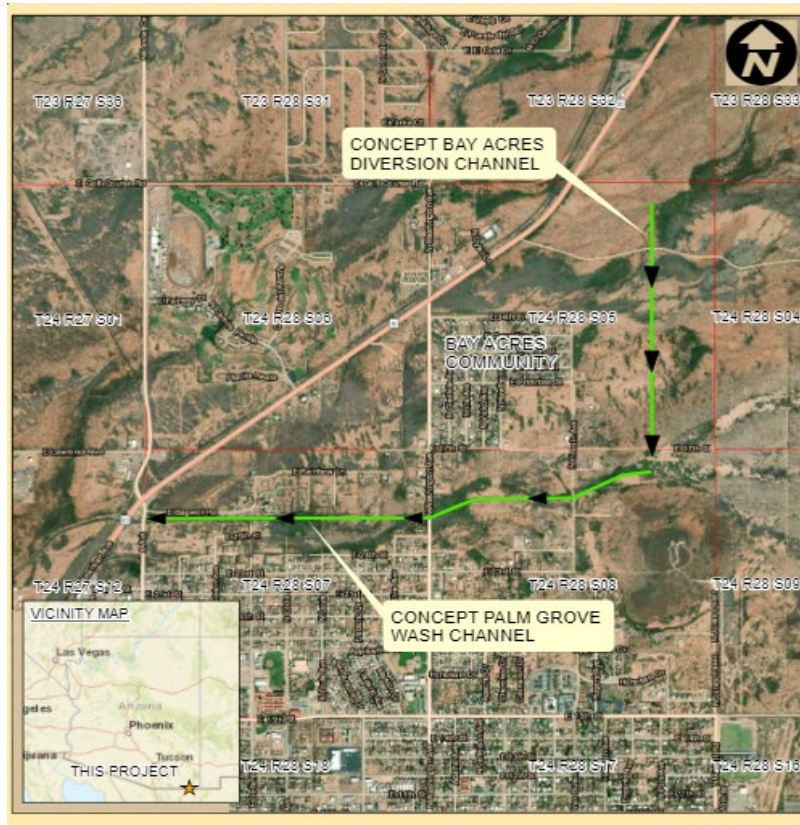
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- Leslie Canyon Water User Assoc. Pond
 - Design Concept Completed
 - **Design Consultant \$219,250**
 - Construction Cost \$1 - \$2,000,000



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Bay Acres



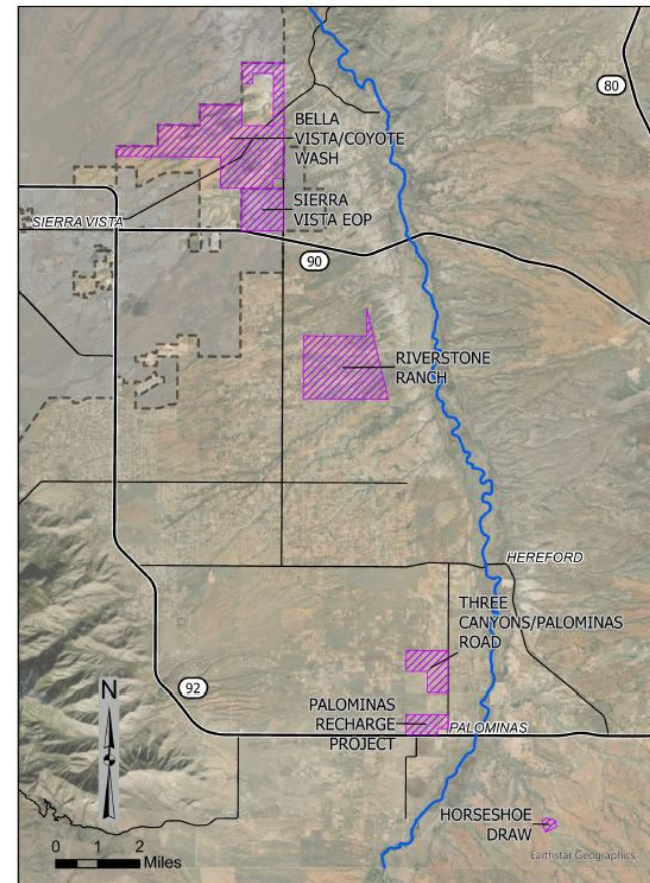
- DCR Complete
- **Design Consultant \$261,791**
- Right-of-Way Acquisition *\$350,000*
- NEPA Clearance *\$500,000*
- Construction *\$8,000,000*

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Upper San Pedro Valley Projects

- Coyote Wash
 - Design Consultant \$400,000 FCD
 - Construction Grant \$1,500,000
- Riverstone
 - Phase 2 Complete 2023
 - Design Consultant \$925,000
 - Applied for Grant
- 3 Canyons
 - Year 2 of 5 Complete
 - Year 3 \$50,000
- Horseshoe Draw
 - Maintenance Repair
- Bisbee Effluent
 - Design Concept Report \$345,000
 - \$250,000 Grant & \$95,000 FCD

Recharge Projects



Flood Control District

- Pomerene
 - Design Concept Report
 - Drainage Modification
- Cochise Stronghold
 - Drainage Flow Changes
- Watershed Studies
 - Willcox Basin \$250,000 (BRIC Grant)
 - Elfrida (USACOE Grant)



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