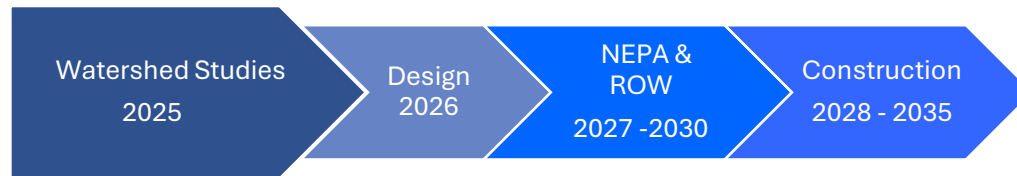


Engineering & Natural Resources Flood Control District

Board of Supervisors
Work Session
September 30, 2025

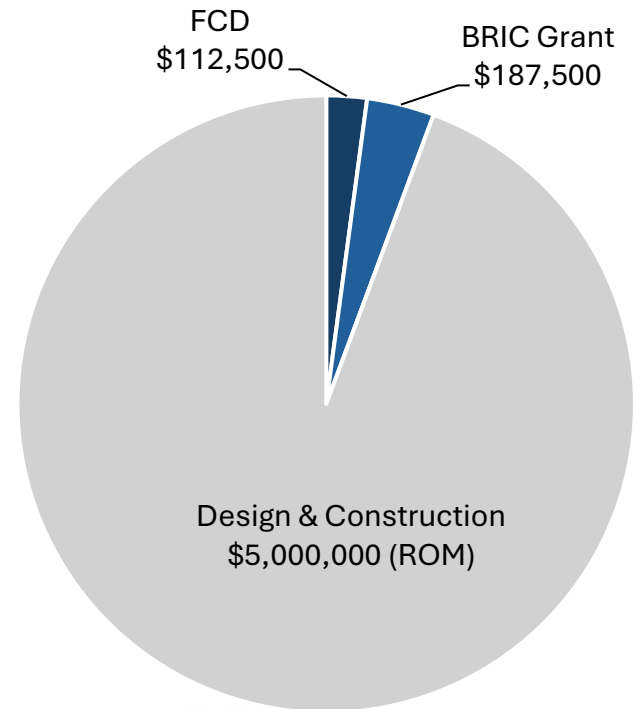
Jackie Watkins, P.E., CFM
Director / County Engineer

Willcox Regional Flood Mitigation and Groundwater Recharge Project



Citizen Benefits

- Assess flood hazards of the 1,694 square-mile drainage basin
- Guide the design and implementation of multi-benefit infrastructure to decrease flooding
- Cost Effectiveness by identify effective locations for flood control structures with detention and infiltration basins
- Identify viable sources of stormwater for groundwater recharge



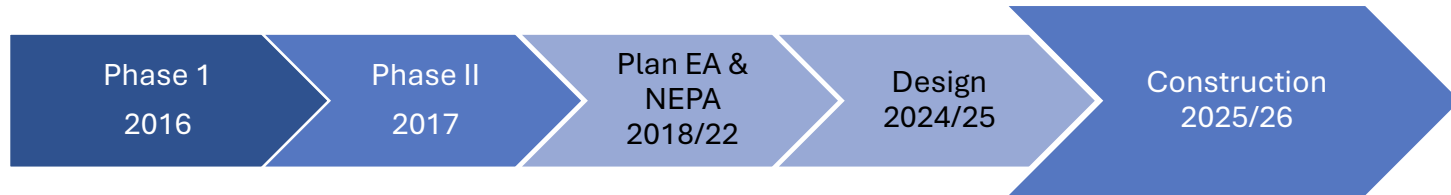
Flood Control District Partnerships

- Natural Resource Conservation Districts (NRCD)
 - Grade Control Structures
 - Gabions
 - Watershed Management
 - Policy / Procedure
 - Willcox – San Simon NRCD Turkey Creek
 - Need IGA
 - NRCD WIFA Grant \$562,000
 - FCD Grade Control Structure Turkey Creek Bridge \$250,000
-

ENGINEERING & NATURAL RESOURCES

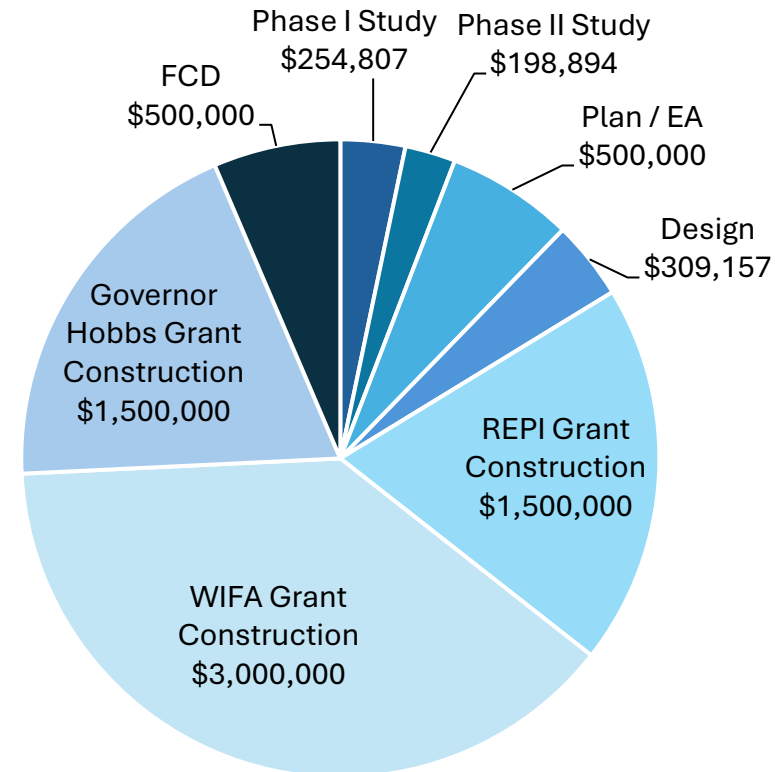


Coyote Wash



Citizen Benefits

- Reduces flooding on Moson Road
- Reduce erosion
- Captures Urban Enhanced Runoff
- Restores stream hydrograph to pre-development flows
- Increase recharge to the aquifer
- Supports water management and conservation goals
- Apparent Low Bid:

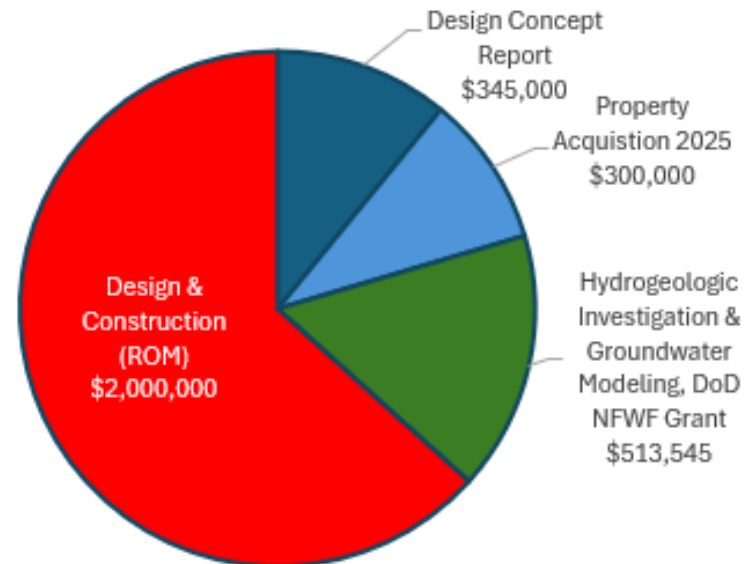


Border Recharge / Bisbee Effluent

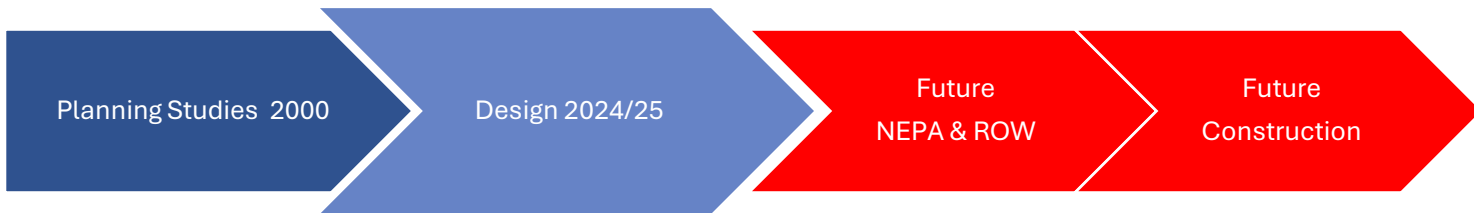


Citizen Benefits

- Supports storm water management and conservation goals
- Recharge to the Regional Aquifer
- Sources of Water to Investigate
 - Deep aquifer storage
 - Ephemeral Wash Stormwater
 - Bisbee Effluent

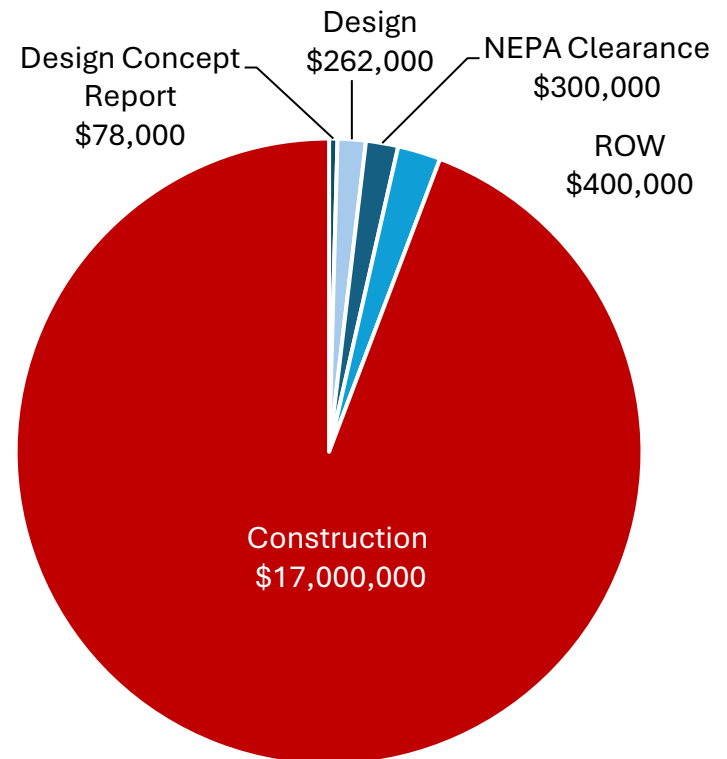


Bay Acres

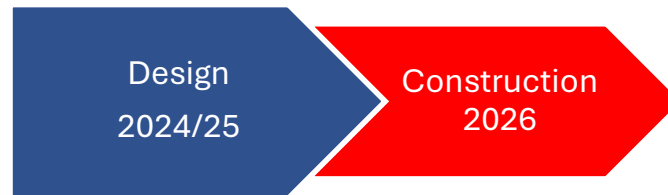


Citizen Benefits

- Reduce flooding issues in Bay Acres Colonia
- Reduce flooding on Washington Avenue
- Reduce flooding to City of Douglas
- Increase Recharge to Whitewater Draw Aquifer

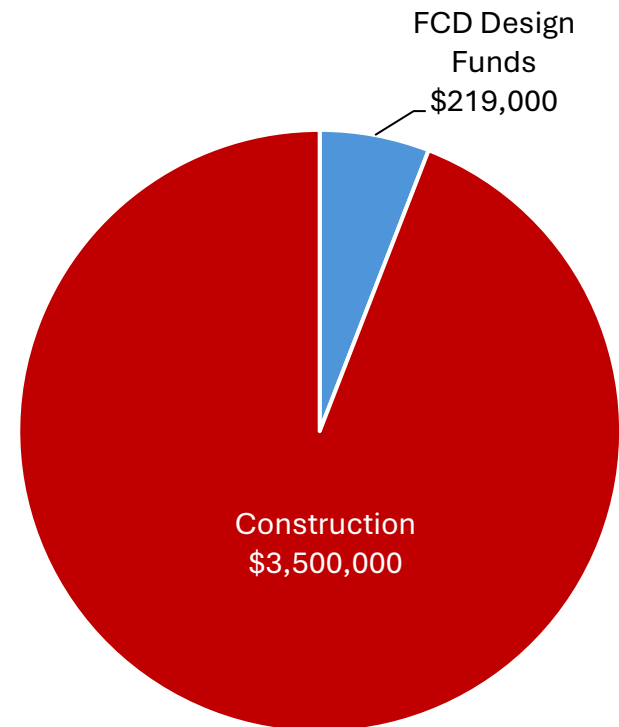


Leslie Canyon Pond



Citizen Benefits

- Remove from ADWR Jurisdictional Dam Designation
- Repair berm
- Reduce downstream flooding to Leslie Canyon Road
- Reduce flooding to downstream residents
- Increase recharge to Whitewater Draw Aquifer

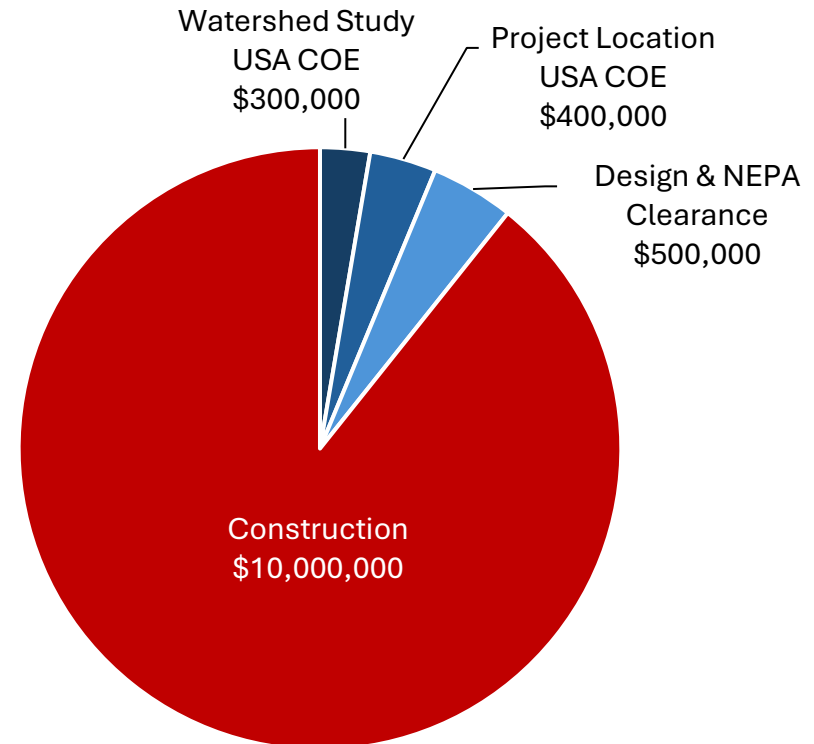


Rucker Creek Watershed Study

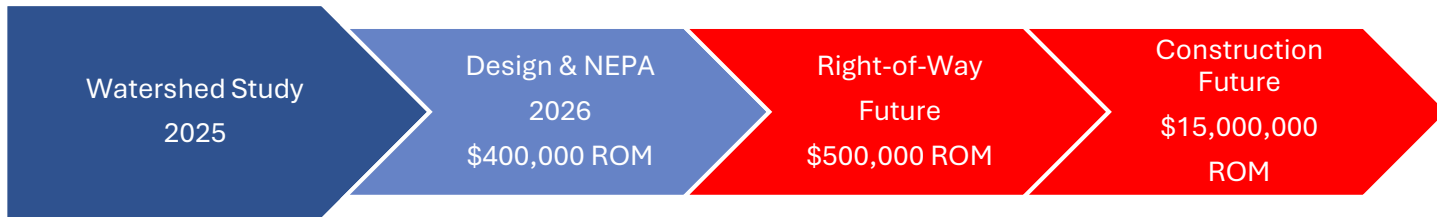


Citizen Benefits

- Decrease Flooding to Elfrida
- Decrease Flooding and Sediment of County Maintained Roads
- Increase Groundwater Recharge

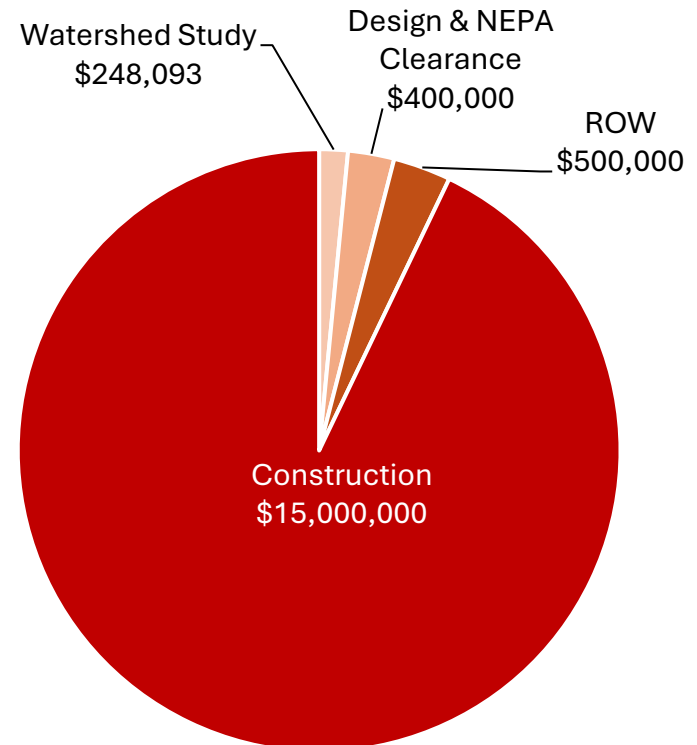


Pomerene Road Watershed Study



Citizen Benefits

- Decrease Flooding of S. Pomerene Road
- Study to identify most effective locations for flood control structure
- Eliminate ponding
- Increase recharge



Questions ?



Davis Road