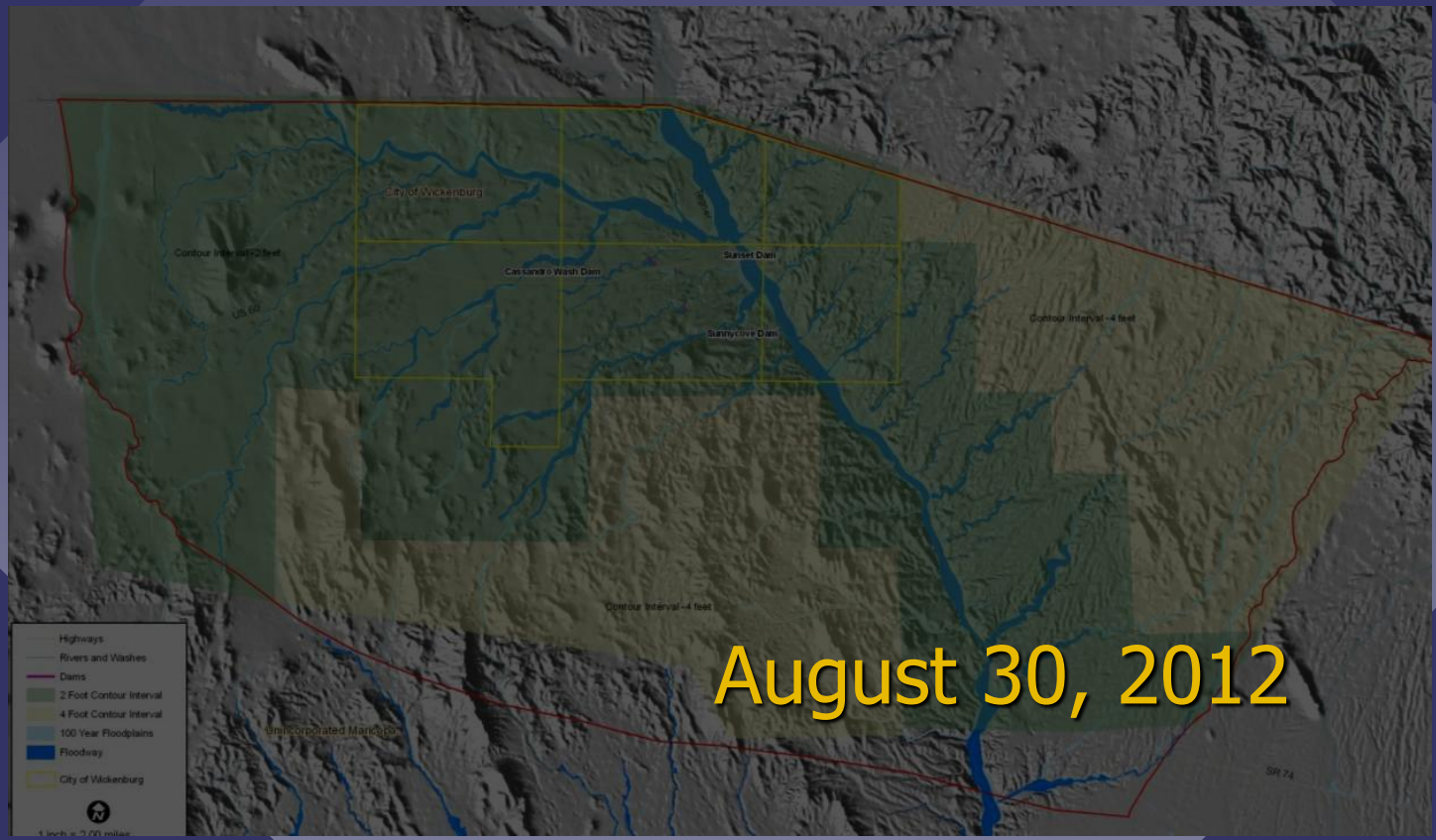
WICKENBURG ADMS/P



August 30, 2012

Agenda

Meeting Format

Background

- Hydrology
- Topography
- Modeling Techniques

Flooding Hazards

Delineations

- Phase I – Final Findings
- Phase II – Draft Findings
- Phase III – Proposed Area(s)

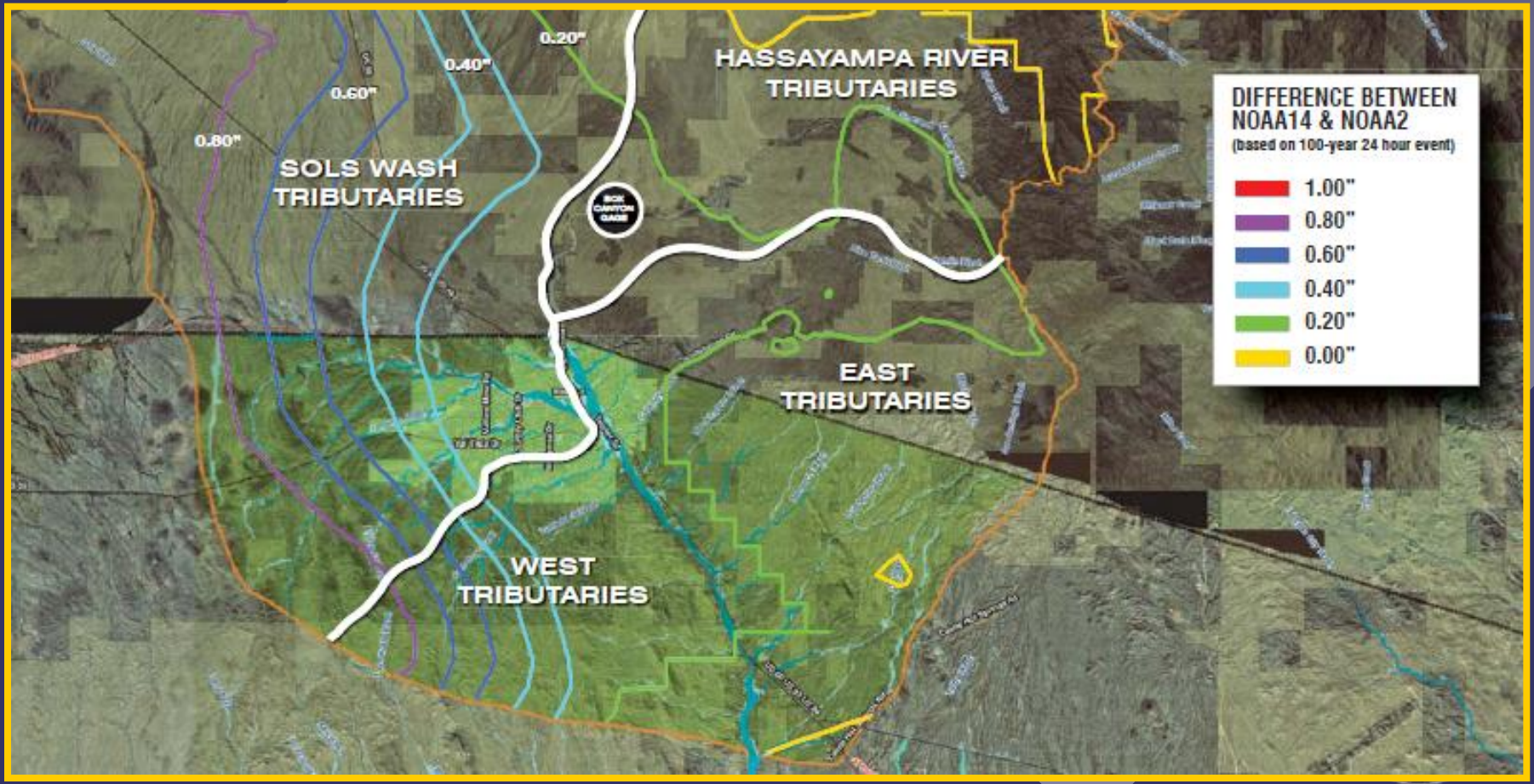
Next Steps

Definitions

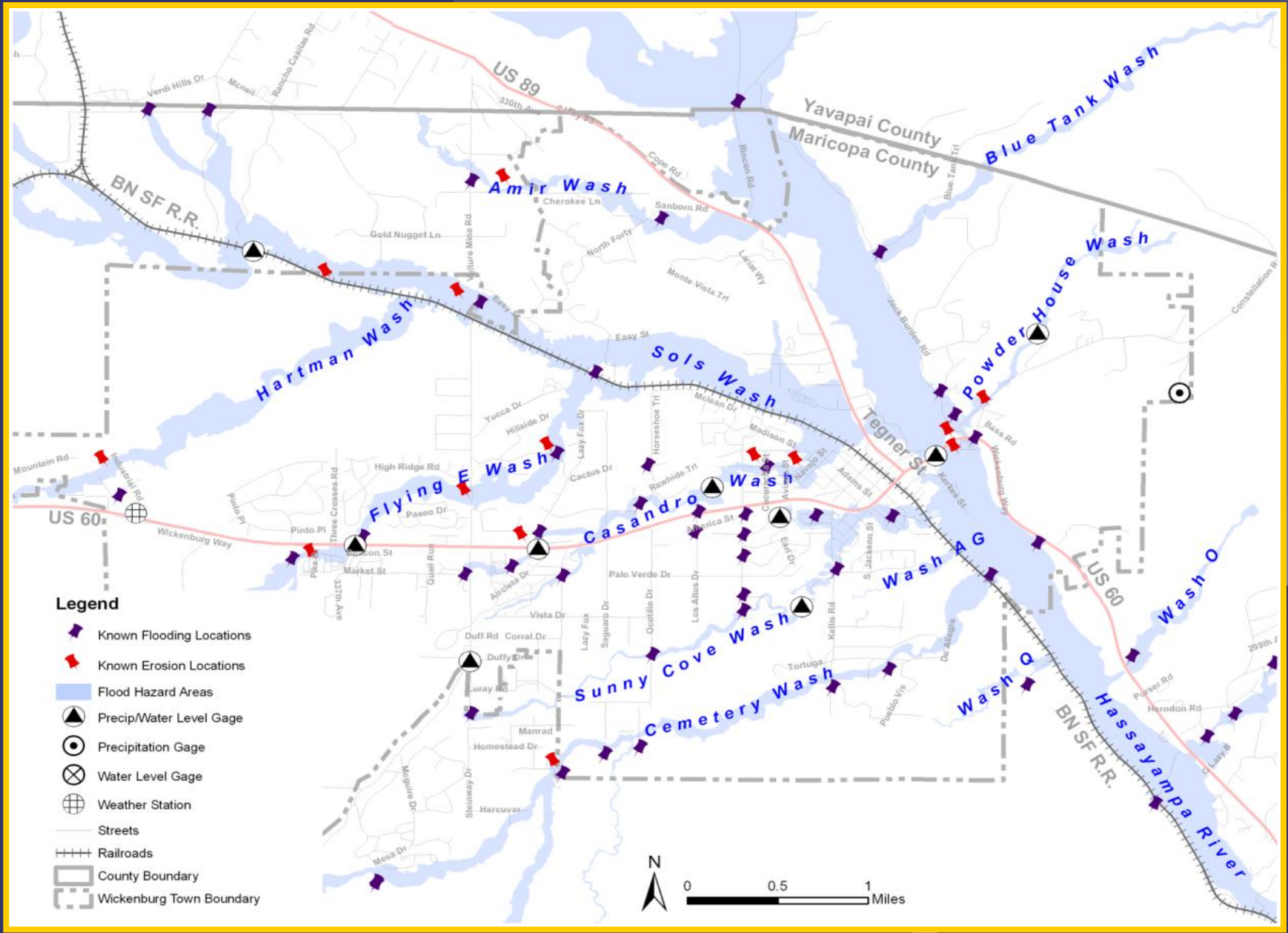
- Floodplain
- Floodway
- BFE, Base Flood Elevation
- FIRM

Background

- New Rainfall Data
- New Topography
- Updated Methodologies
- Statutory Requirements



Known Flooding Hazards



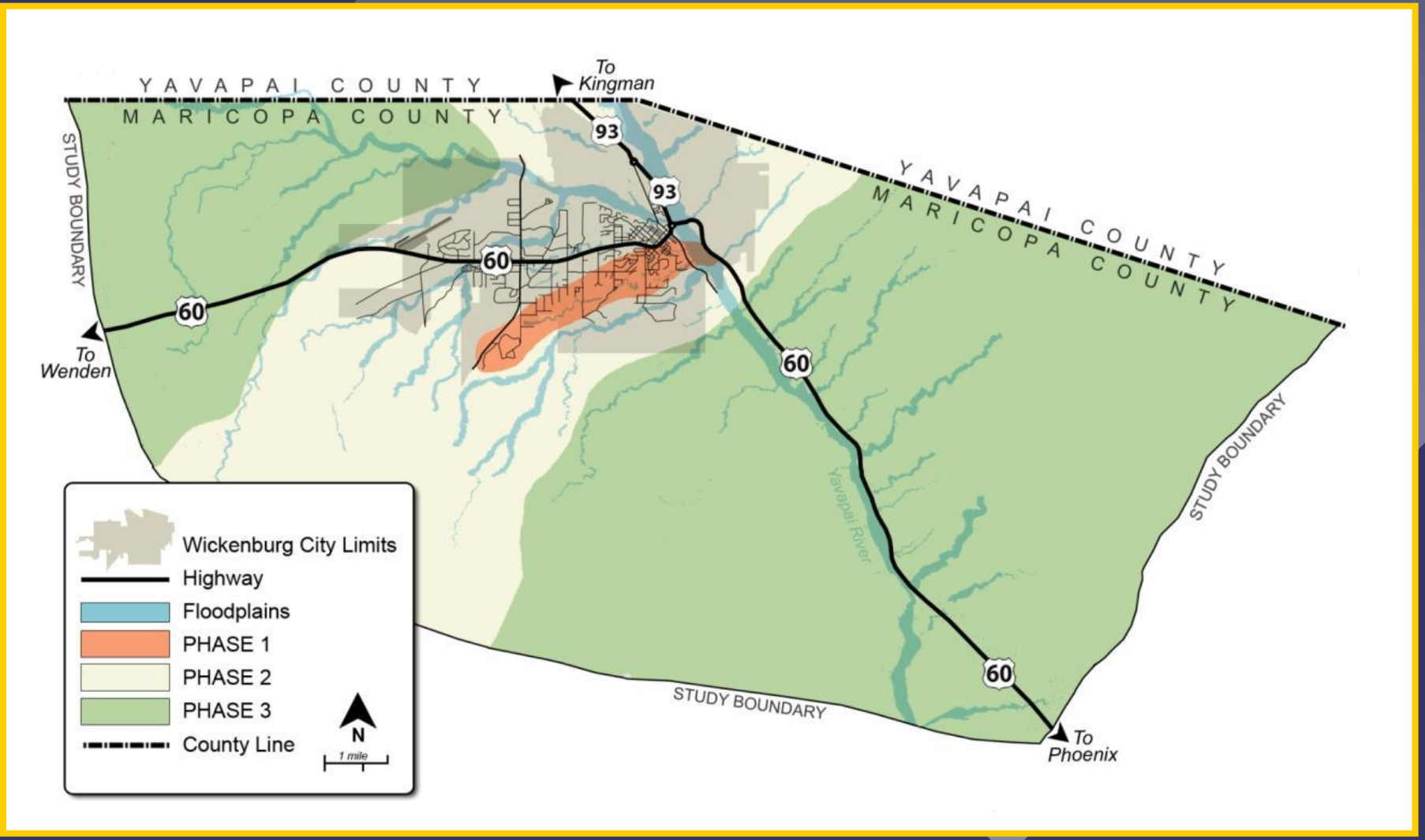
Known Flooding Hazards

Powder House Wash Flood of July 14, 1964 Inundated Automobile

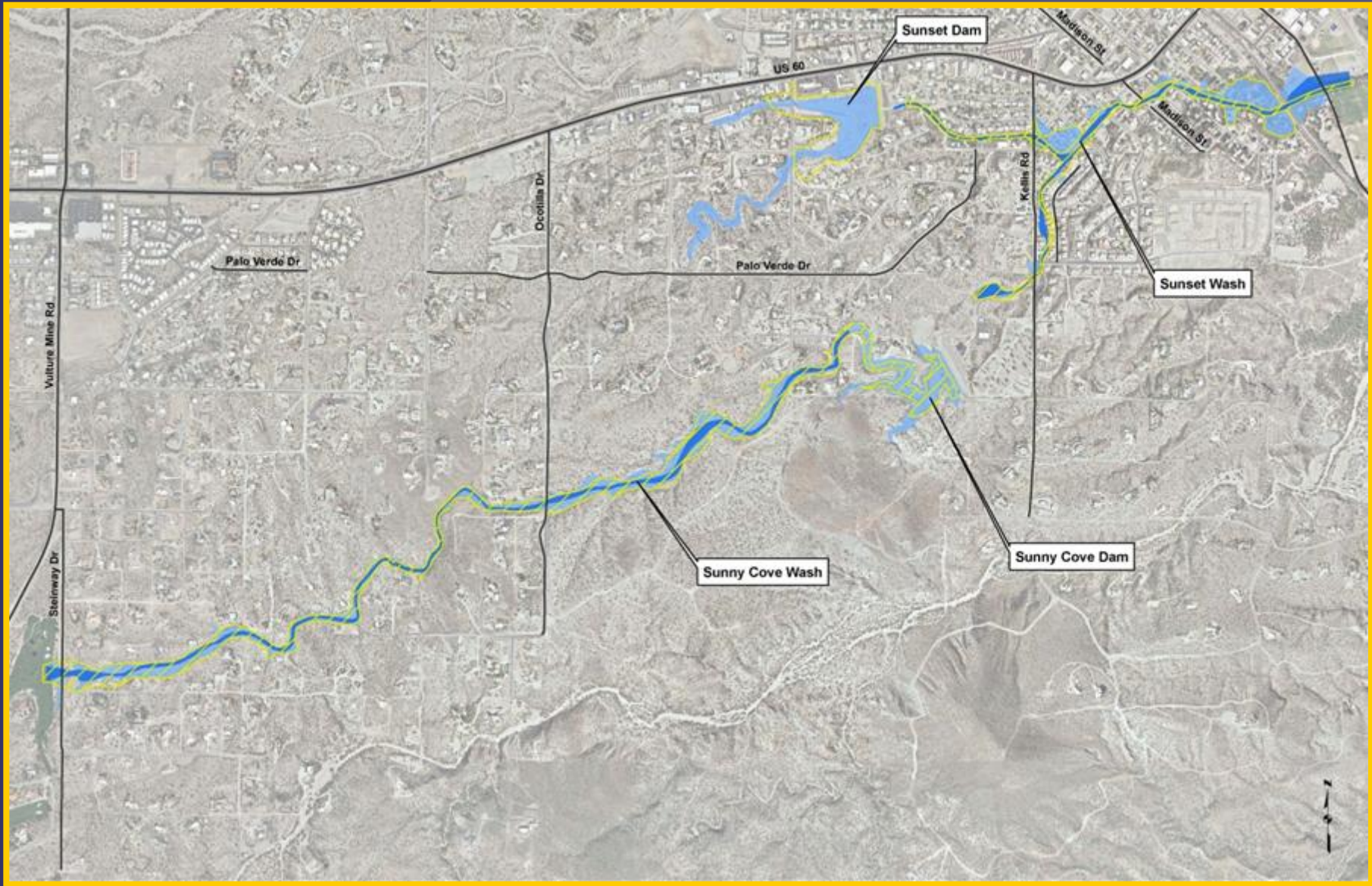
Known Flooding Hazards

Photograph by Julia Schmitz

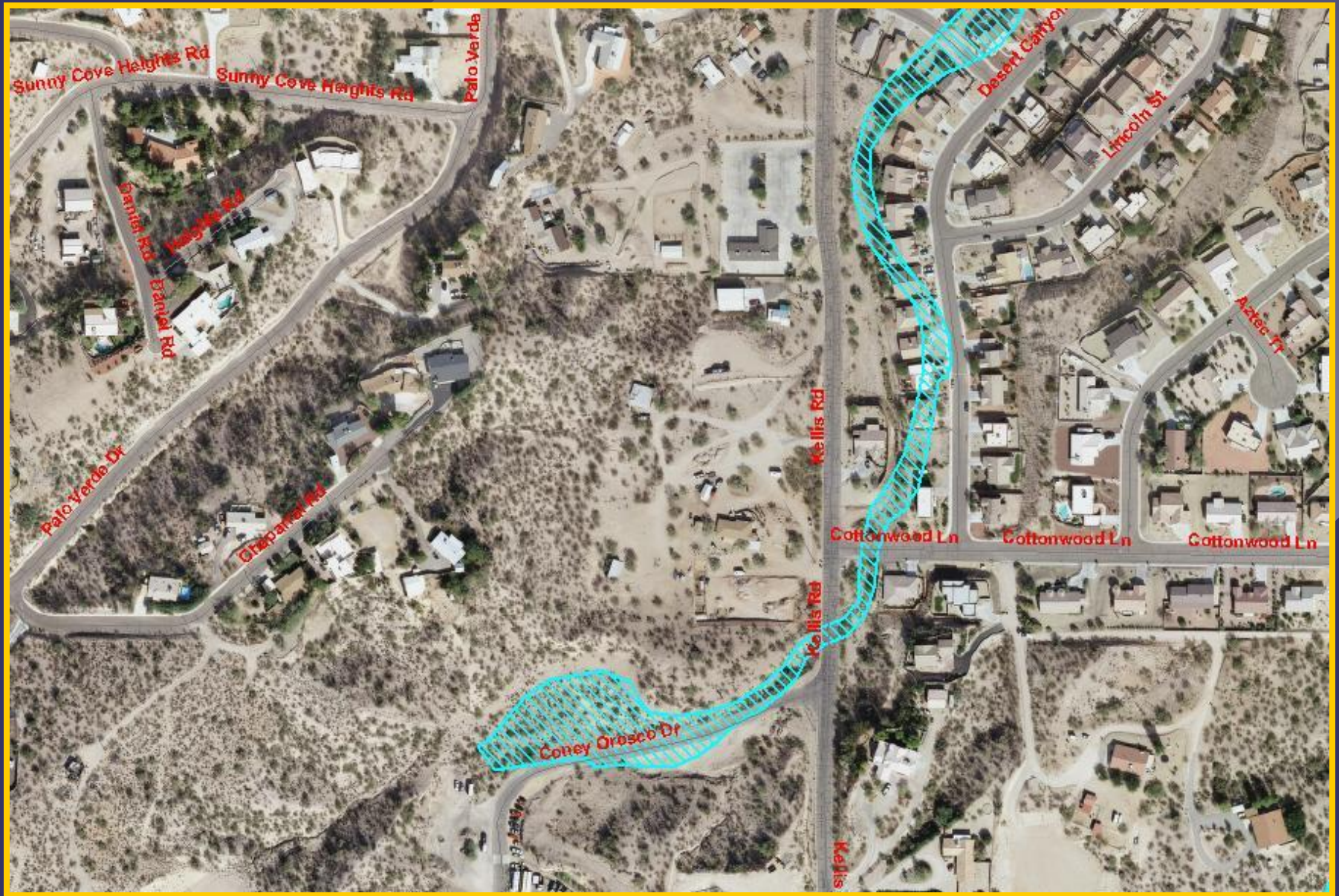
Project Location & Phases



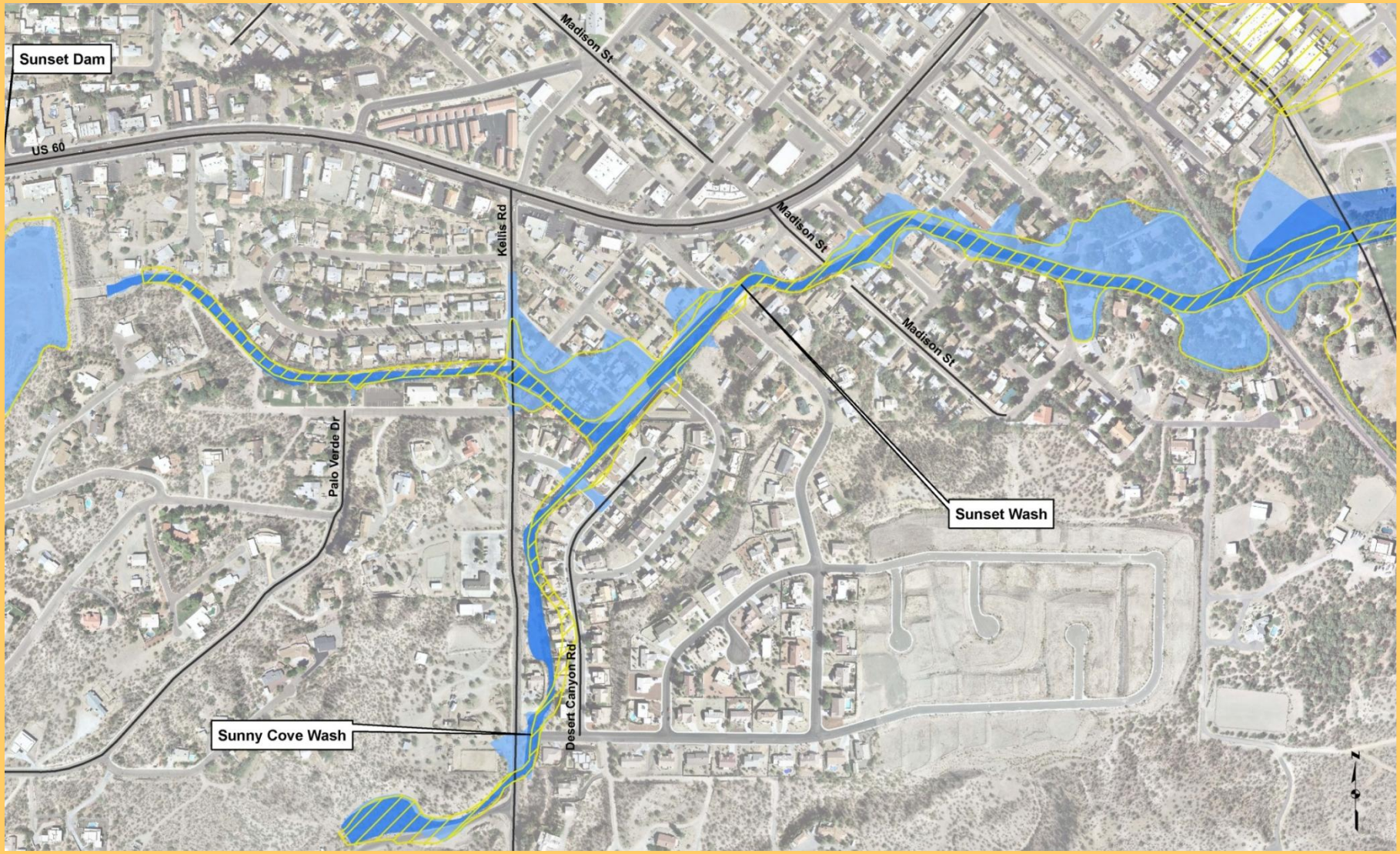
Phase 1 - Delineation



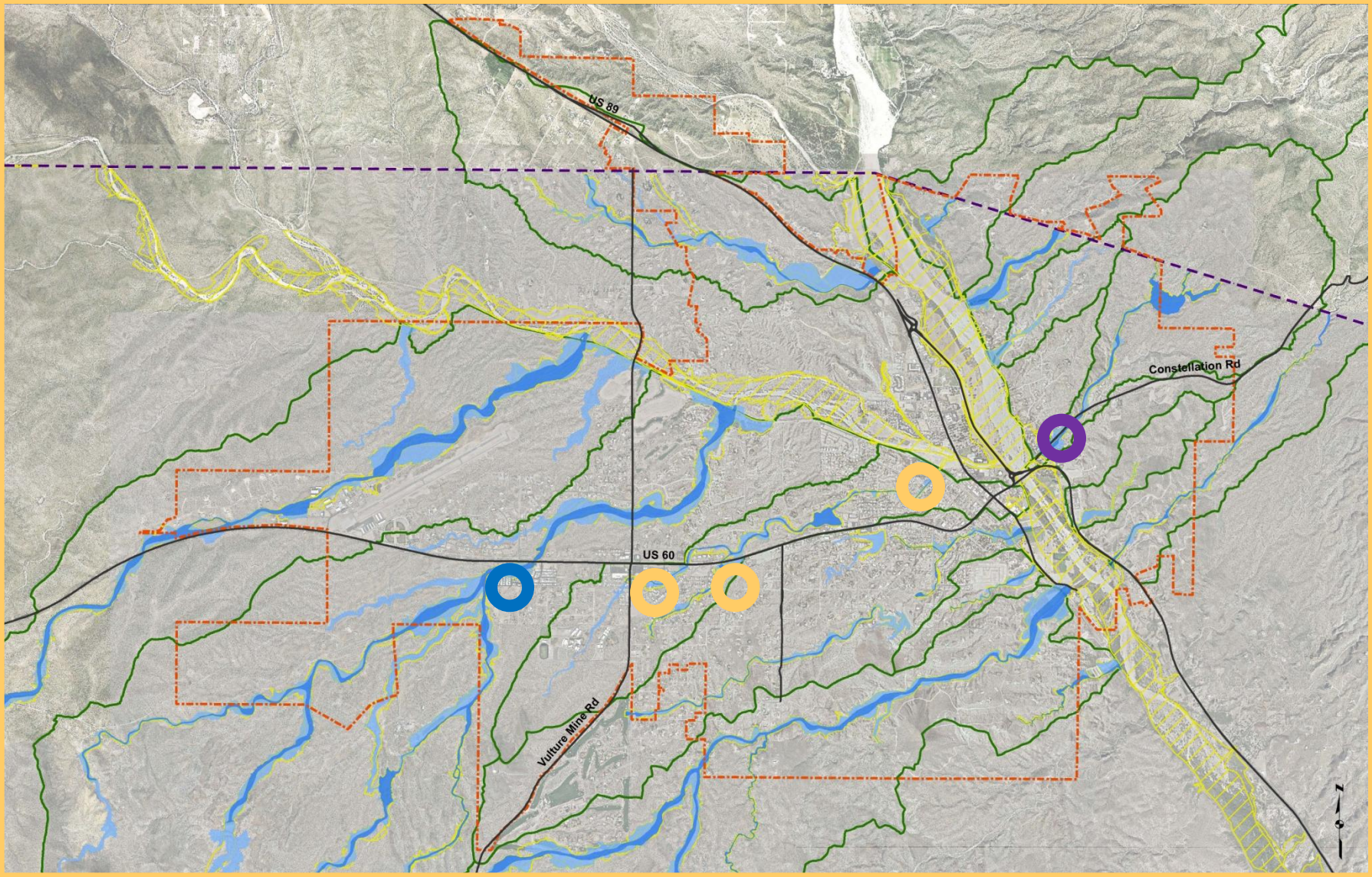
Phase 1 - OLD Delineation



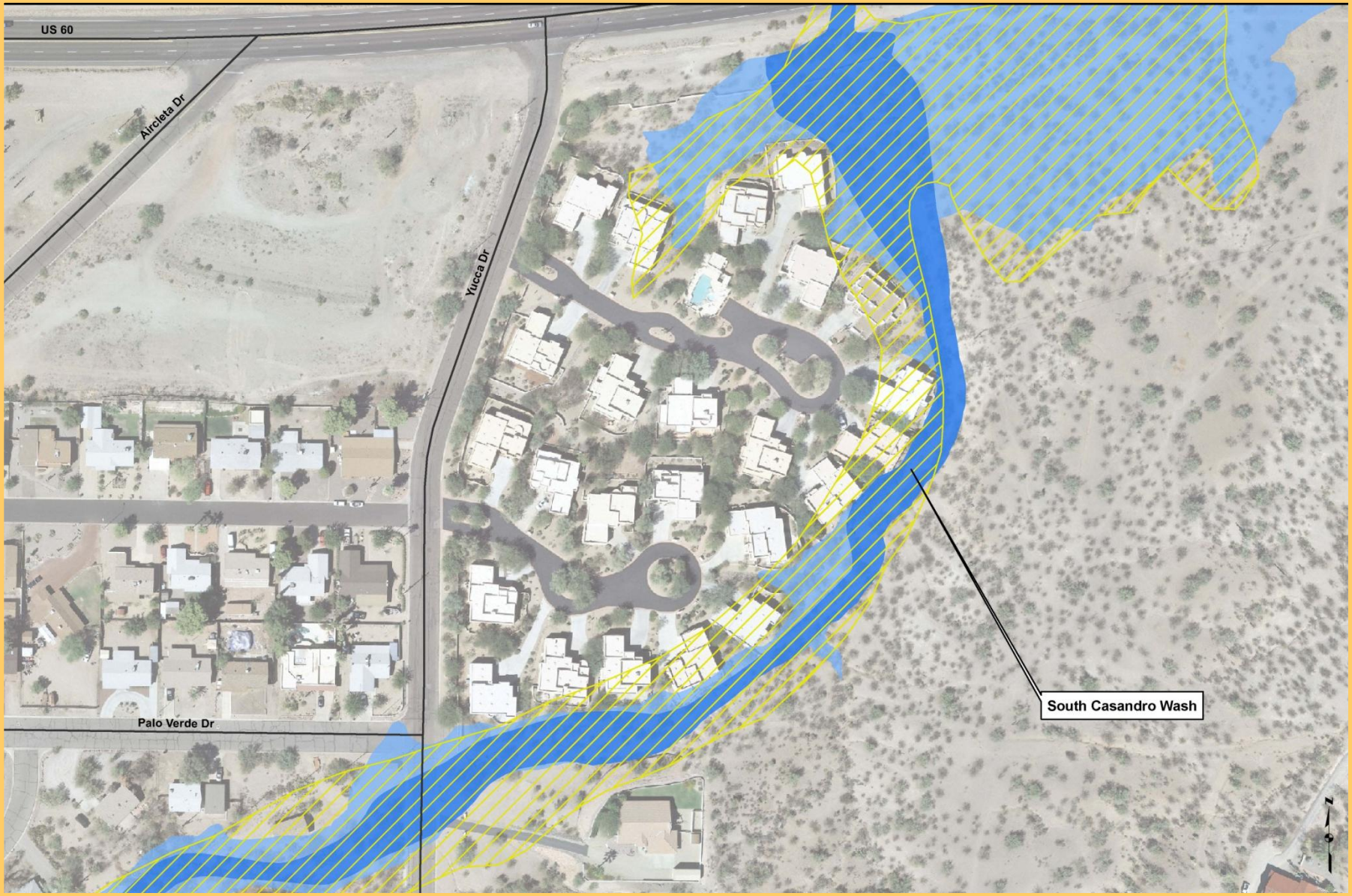
Phase 1


Sunset Dam
US 60
Madison St
Madison St
Madison St
Kellis Rd
Palo Verde Dr
Desert Canyon Rd
Sunset Wash
Sunny Cove Wash
N

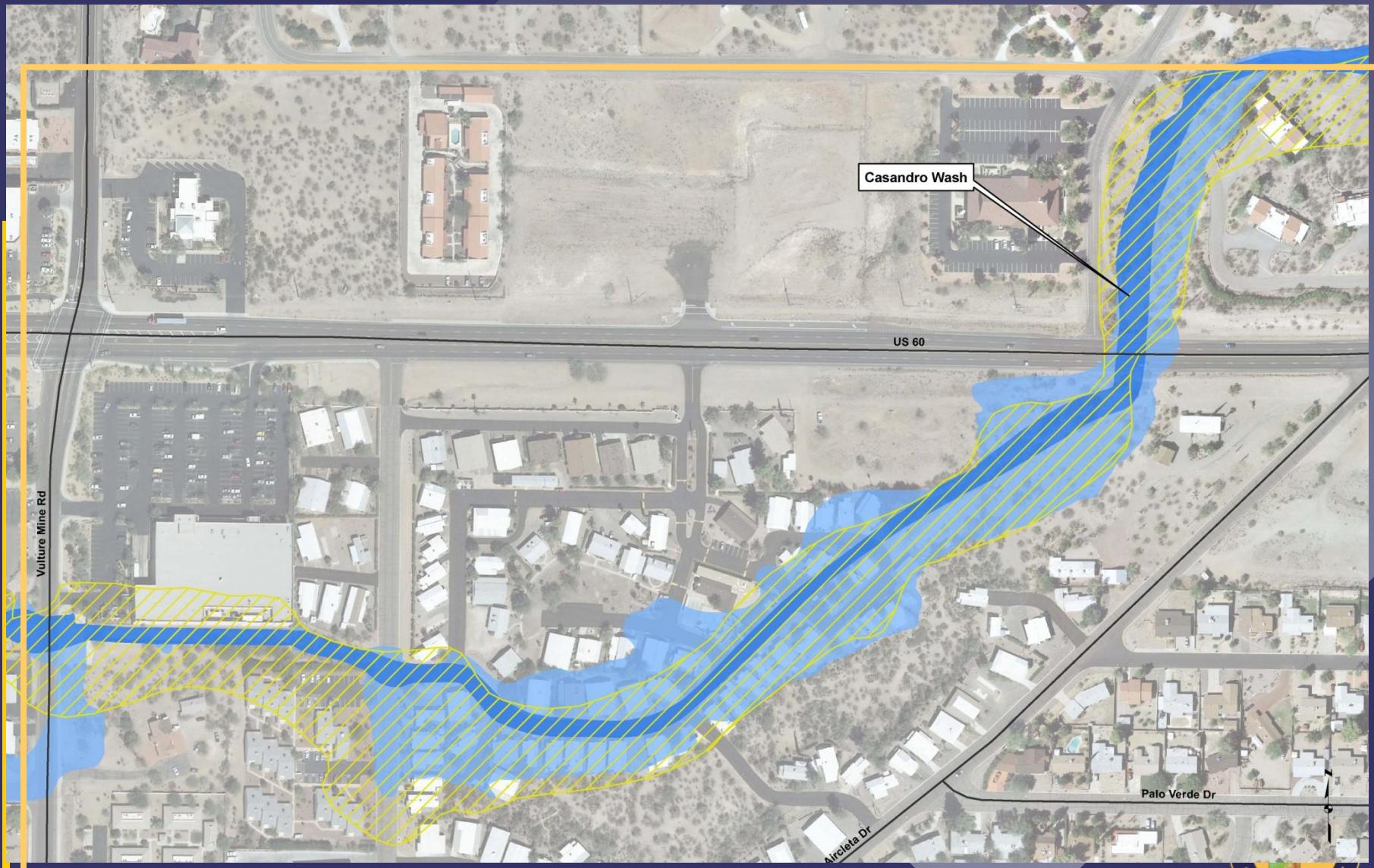
Phase 2 - Delineations



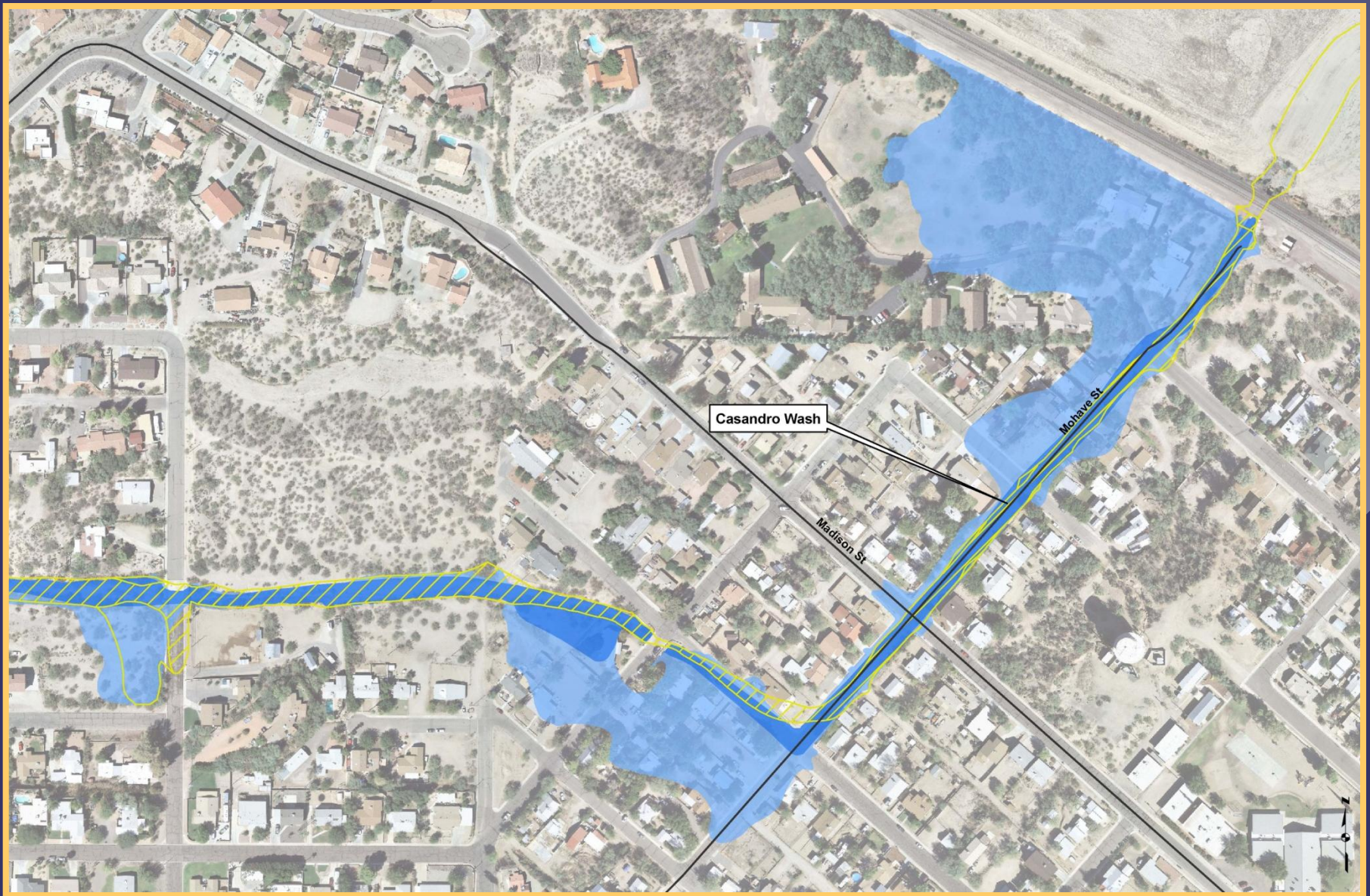
Casandro Wash



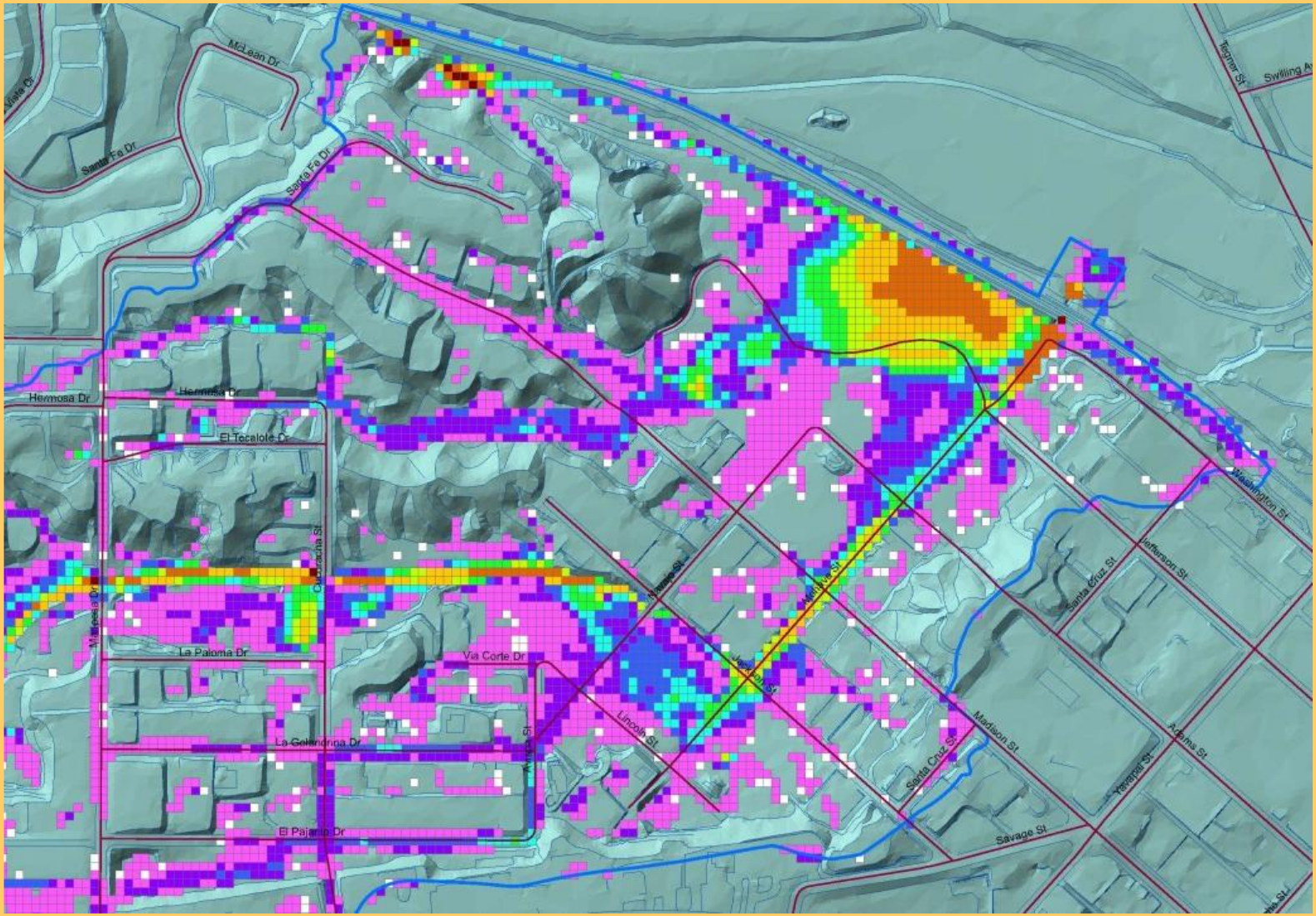
Casandro Wash



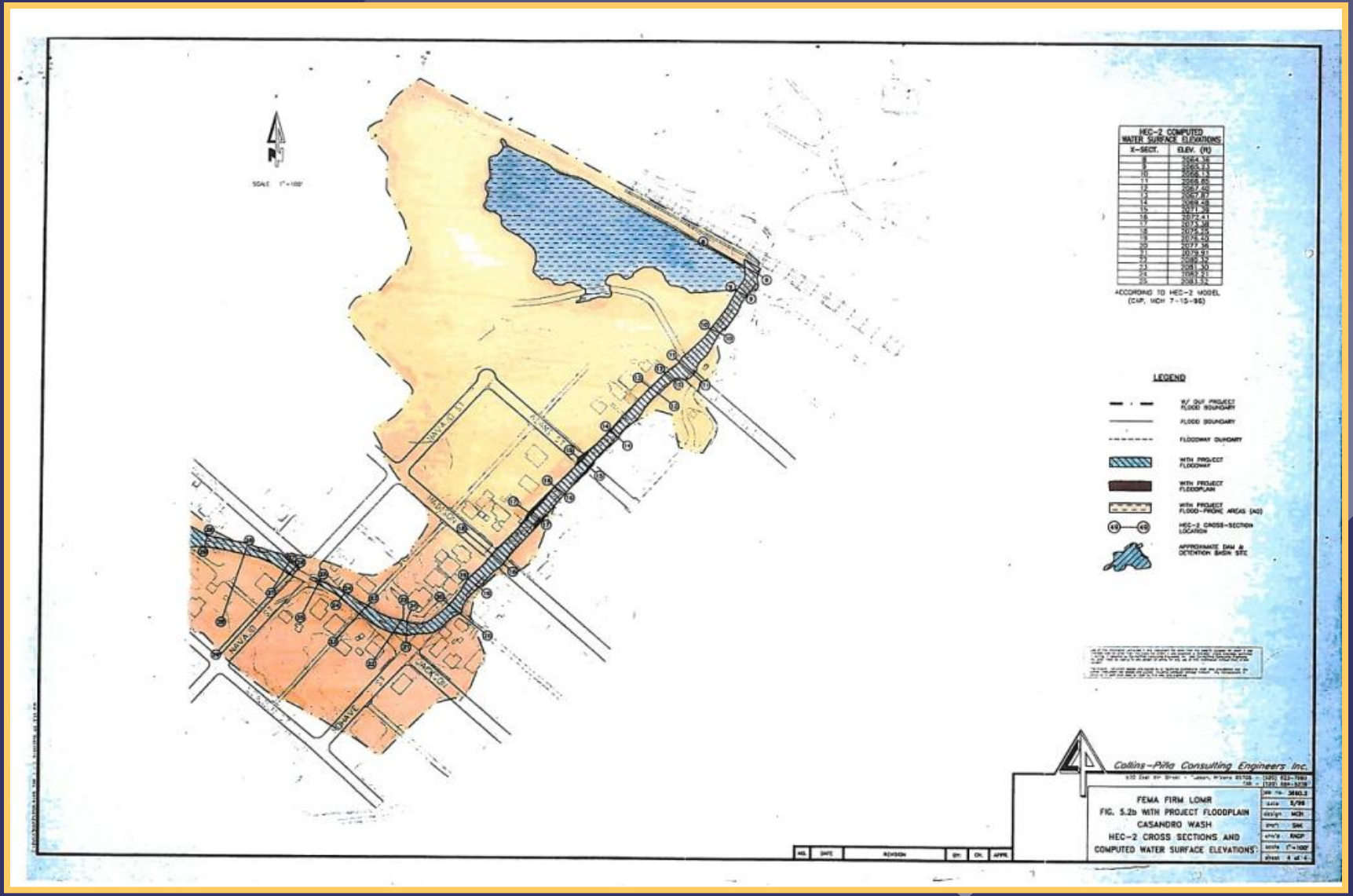
Casandro Wash



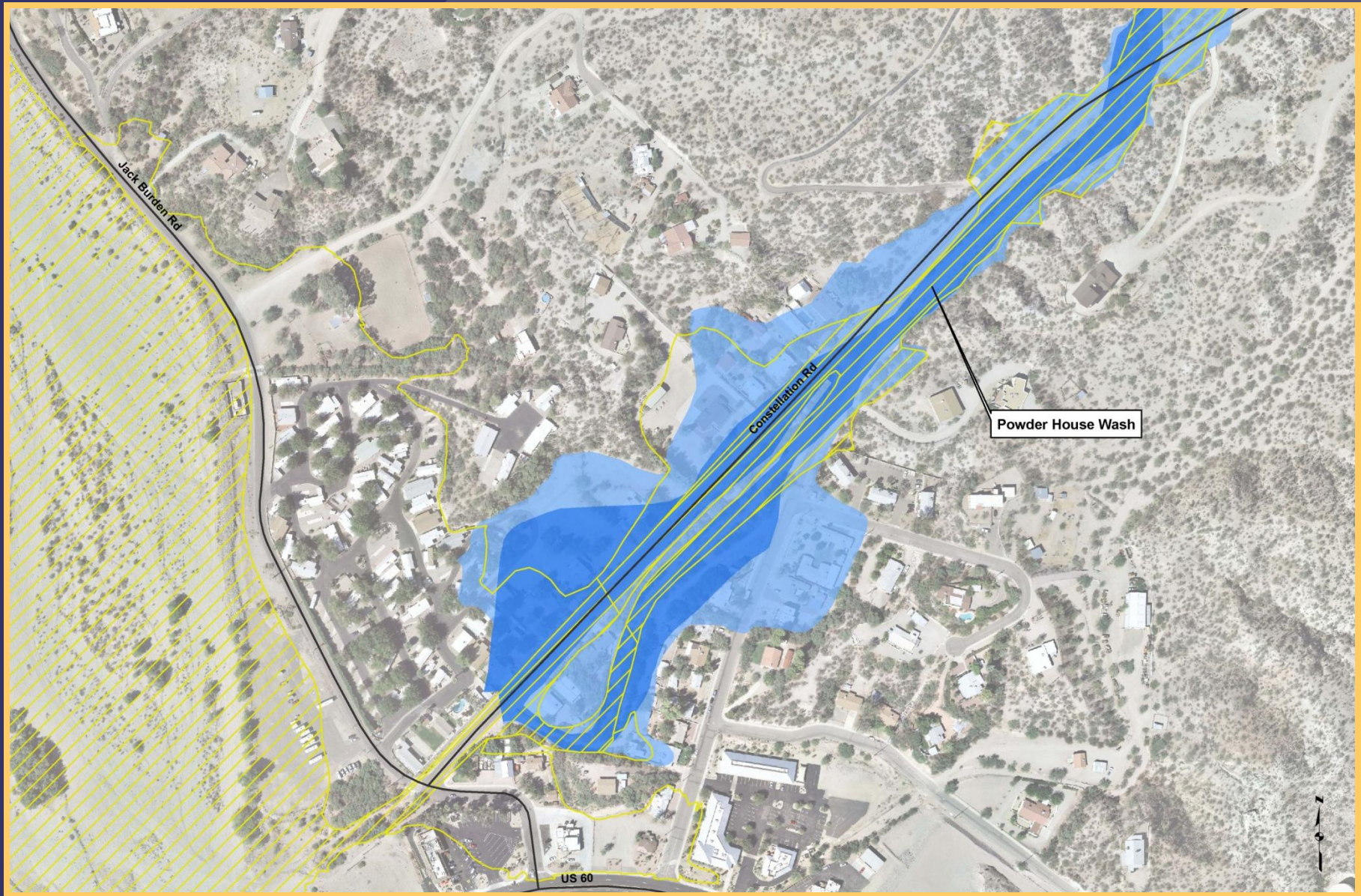
FLO-2D
Casandro Wash



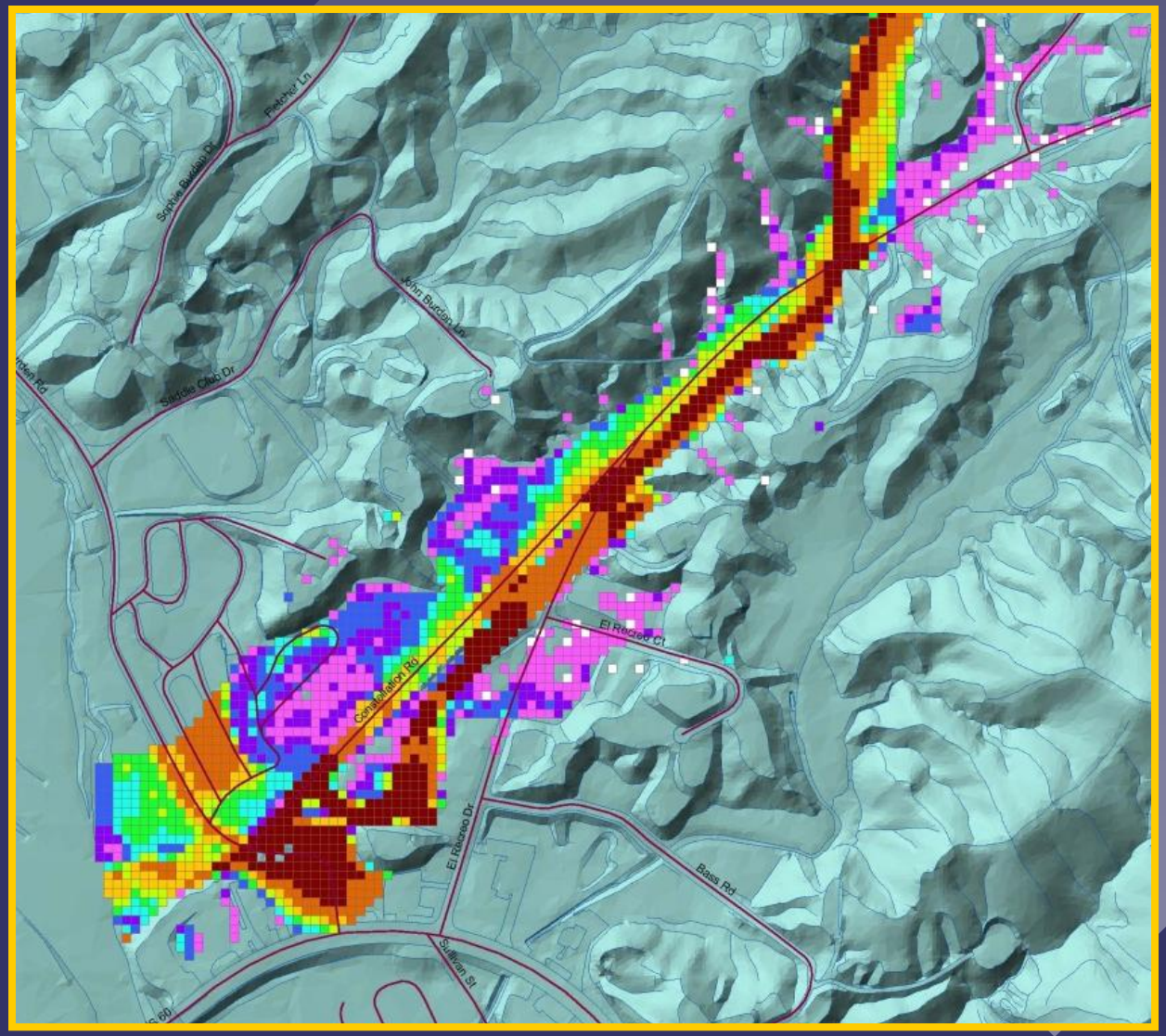
Original Casandro Wash LOMR



Powderhouse Wash



FLO-2D
Powderhouse Wash

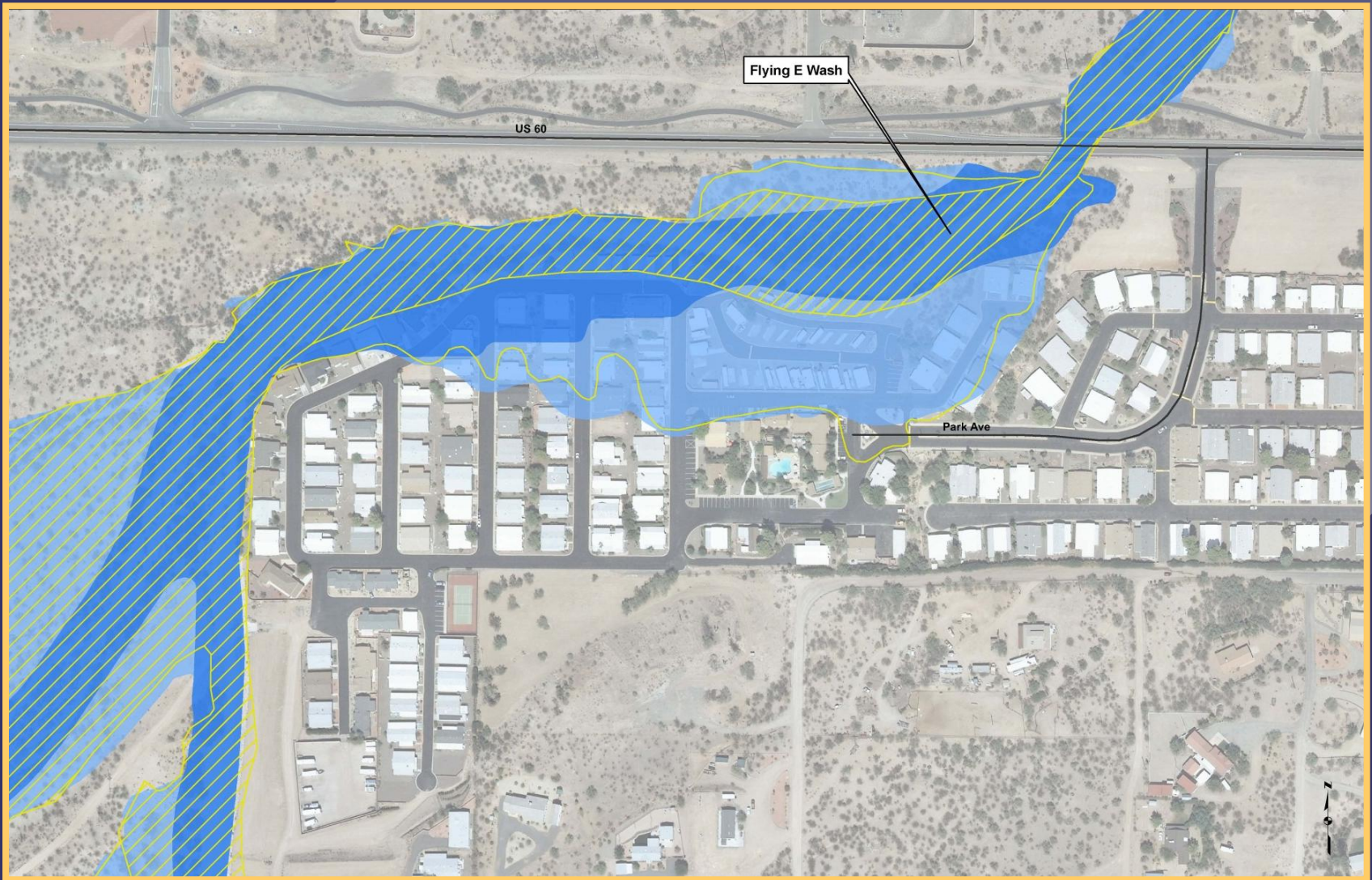


Max Flow Depth

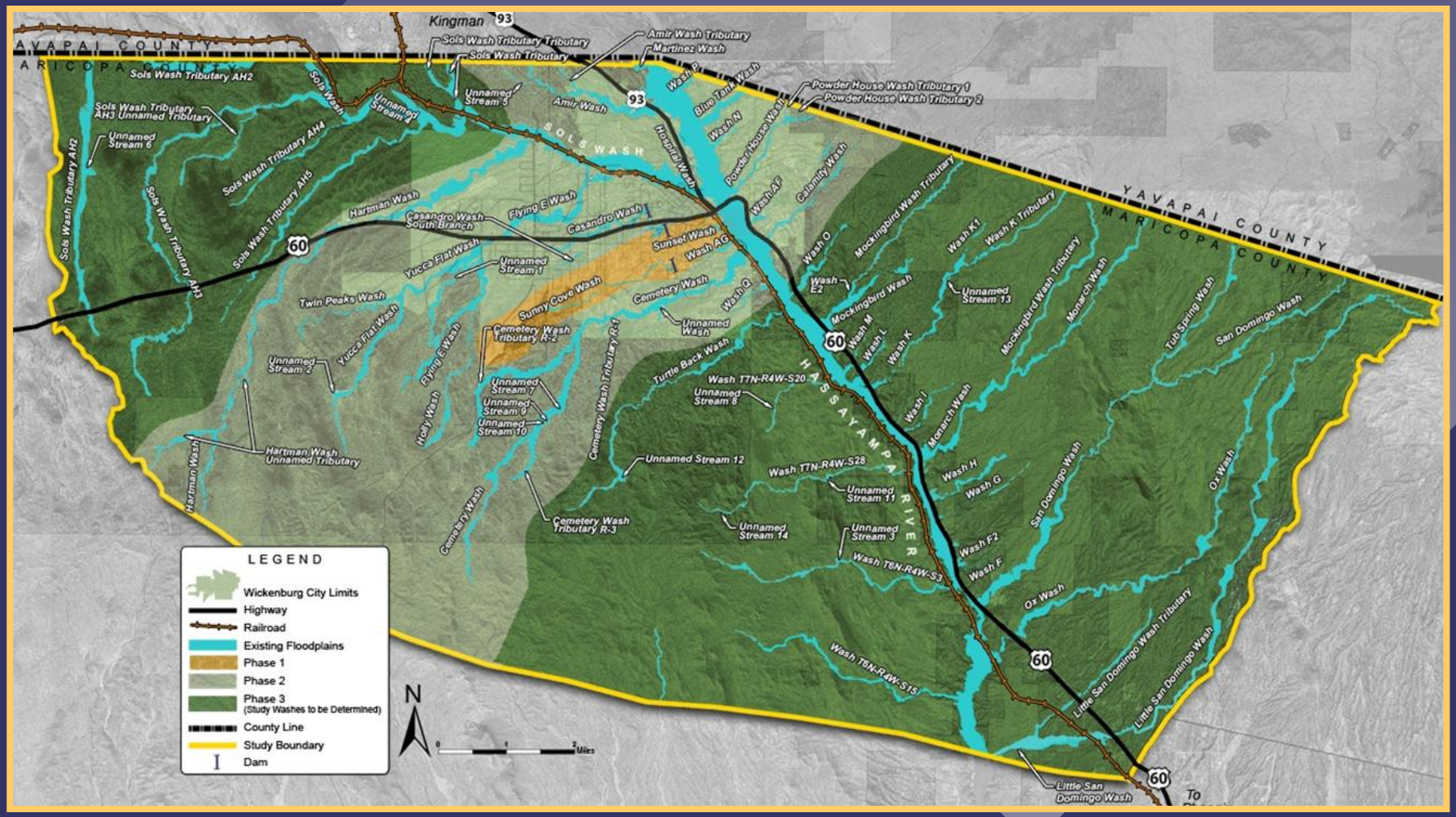
- 0.101 - 0.250
- 0.251 - 0.450
- 0.451 - 0.690
- 0.691 - 0.970
- 0.971 - 1.300
- 1.301 - 1.690
- 1.691 - 2.220
- 2.221 - 3.260
- 3.261 - 7.190

Flood Control District of Maricopa County

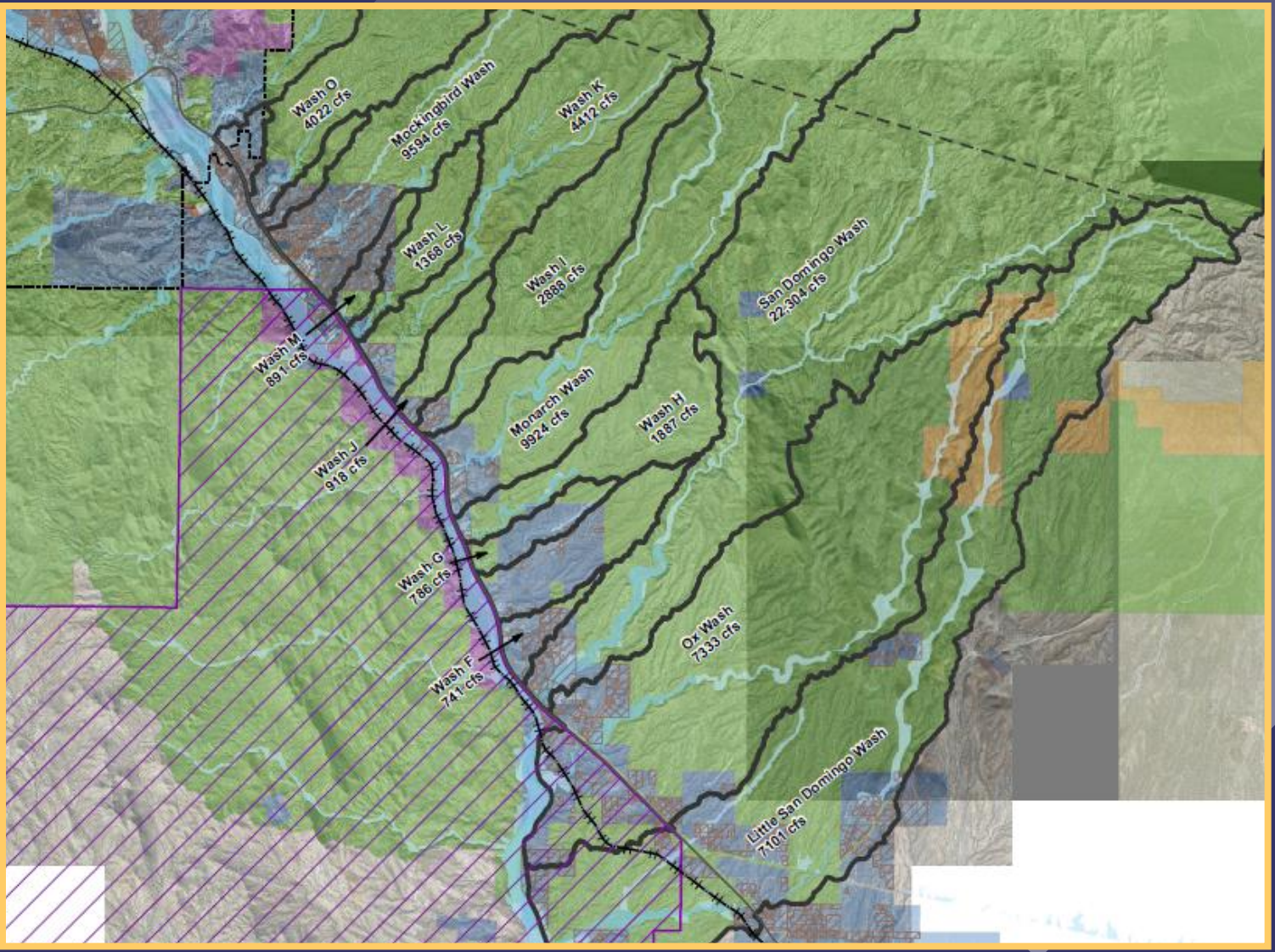
Phase 2 – Delineations
Flying E Wash



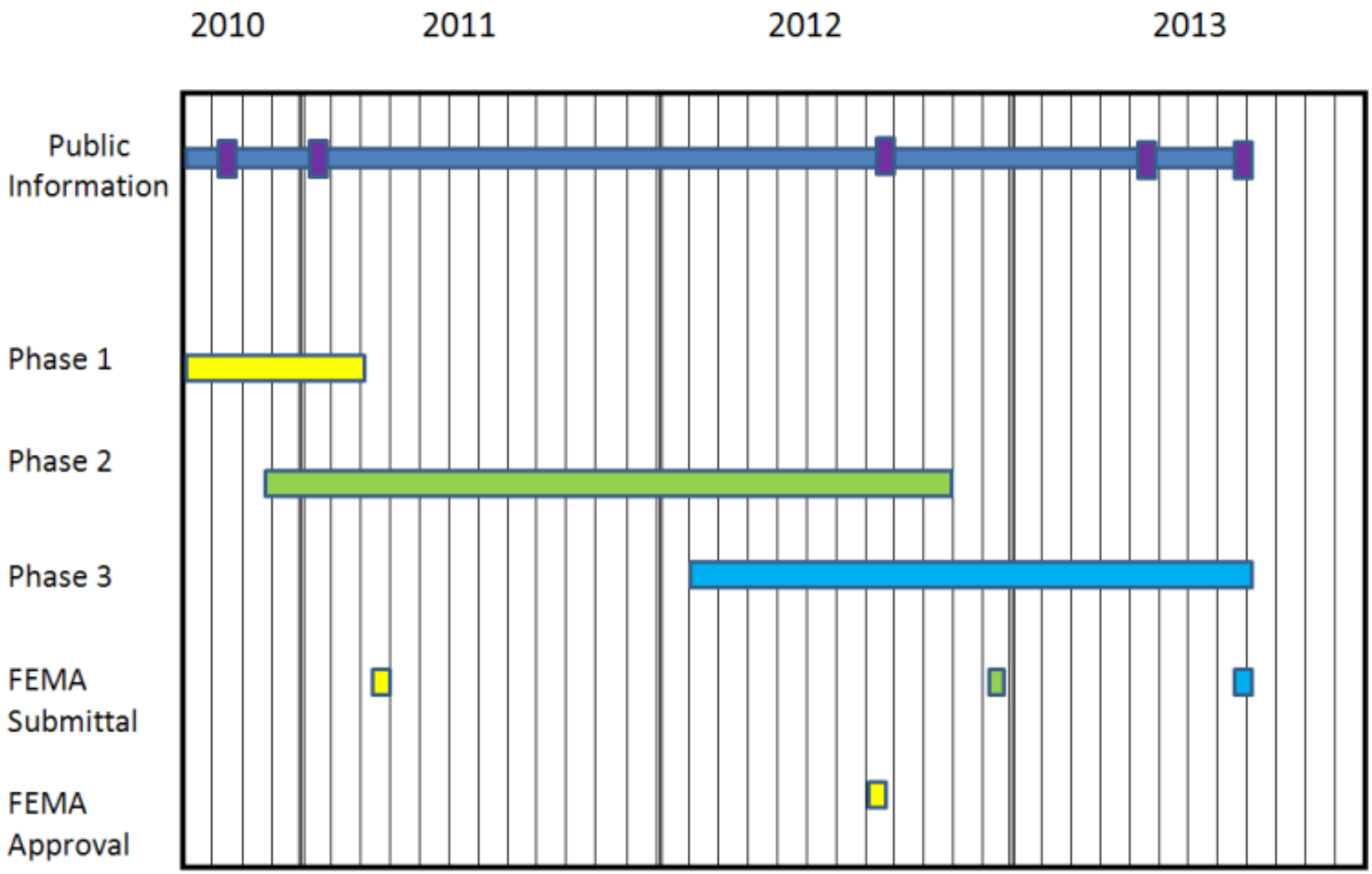
Phase 3
Area for Study



Phase 3
Area for Study



Schedule & Milestones



Benefits

- Better understanding of the flooding risk.
- Use maps & data to ID financial and physical steps to reduce the risk.
- Identifies areas for flood control Capital Improvement Projects.
- Provides guidance to new development to reduce future public safety hazards.

Questions?