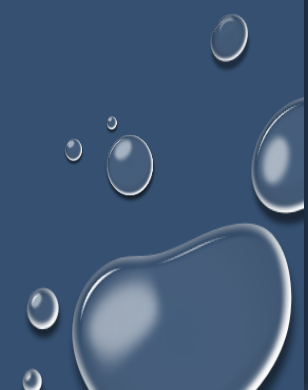


ENGINEERING & NATURAL RESOURCES
DEPARTMENT

FLOOD CONTROL DISTRICT

April 20, 2021



FLOOD CONTROL DISTRICT

Jackie Watkins, PE - Director/County Engineer

Joaquin Solis, PE - District Engineer/Floodplain Administrator

Teresa Garcia, CFM – Administrative Manager

National Flood Insurance Program (NFIP)

Community Rating System (CRS)

Susan Long – Permits Technician

Shon Brady – Development Review, Environmental Compliance

Mark Apel – Environmental Projects Coordinator

Zodi Robidoux-Davis – Records

FCD Terms & Definitions

- Community Rating System (CRS)- Provides discounts off flood insurance premiums to communities that go beyond the minimum for floodplain management. Cochise County has a CRS of 9, provides a discount of 5%.
- Flood Insurance Rate Maps (FIRM) – Map used for floodplain management, mitigation and insurance purpose.
- National Flood Insurance Program (NFIP) – Aims to reduce the impact of flooding by providing affordable insurance to property owners by encouraging communities to adopt and enforce floodplain management regulations.
- Special Flood Hazard Area (SFHA) – The area where NFIP floodplain regulations must be enforced, and mandatory purchase of flood insurance applies.

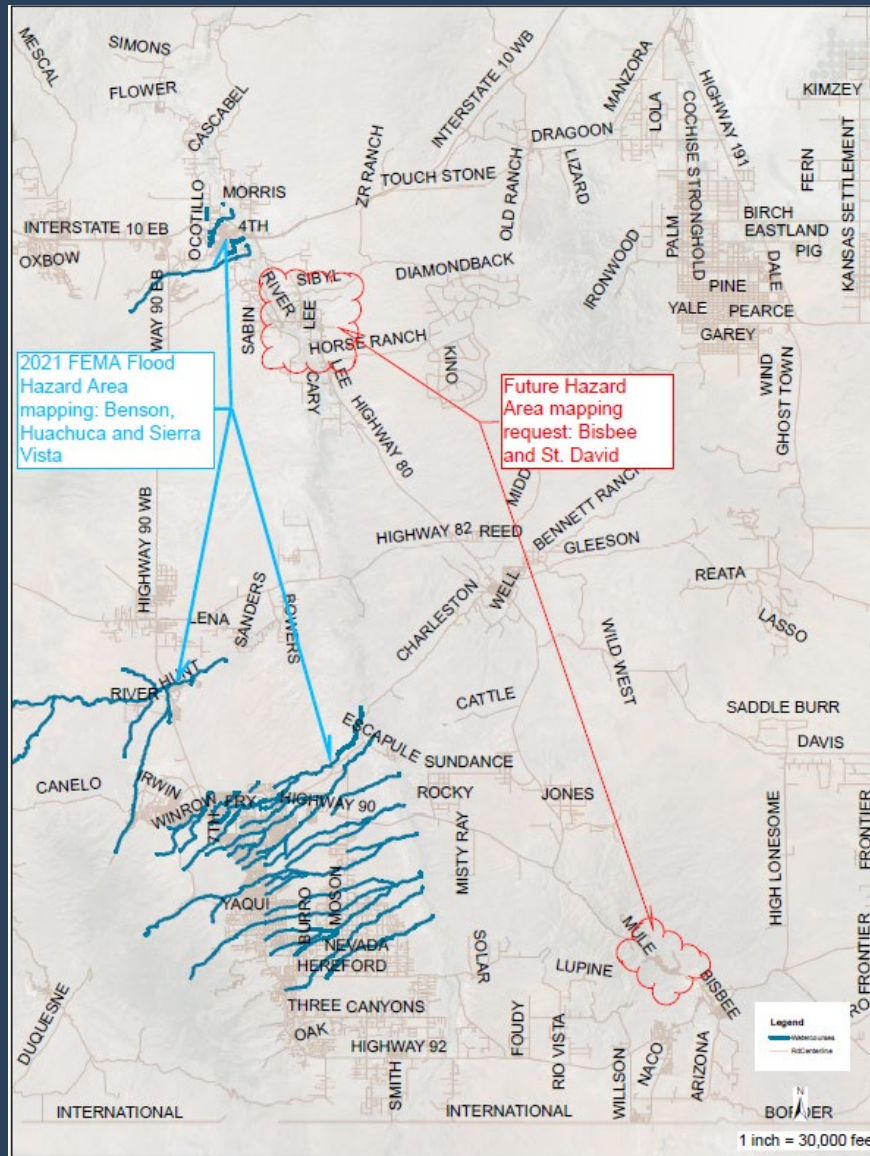
Floodplain Reviews 2020

- 38 Floodplain Use Permits
- 129 Erosion Hazard Setback
- 104 Elevation Certificate Inquiries
- 34 Commercial Reviews

DISTRICT PROJECTS

- Updating Floodplain Regulations
- Developing Drainage Design Manual
- LiDAR Survey – August 2021
- ALERT System
- Levees, Berms and Ditches
- FIRM Maps
- Flood Control / Recharge
 - Coyote Wash
 - Three Canyons
 - Riverstone
 - Bisbee Effluent
 - Palominas Path
- Bay Acres Design Concept Report
- Willow Lakes Mitigation Channel
- Leslie Canyon Water Users Association Pond
- Babocomari River

FEMA FIRM MAPS



2021 Update

- Benson
- Huachuca City
- Sierra Vista

2022-2024

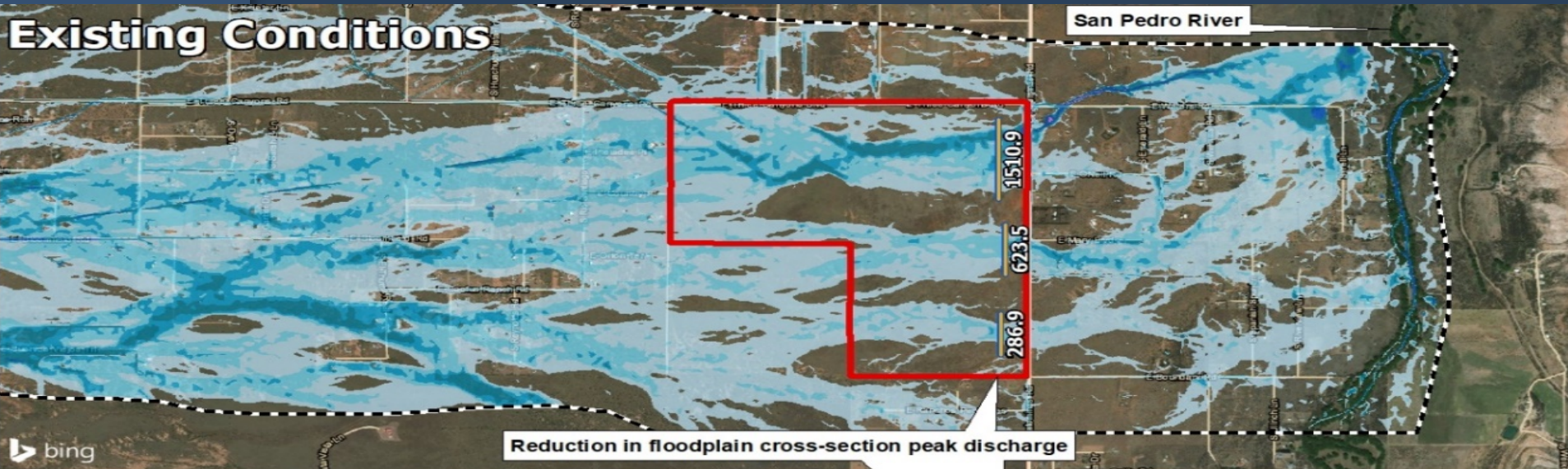
- St David
- Bisbee

THREE CANYONS

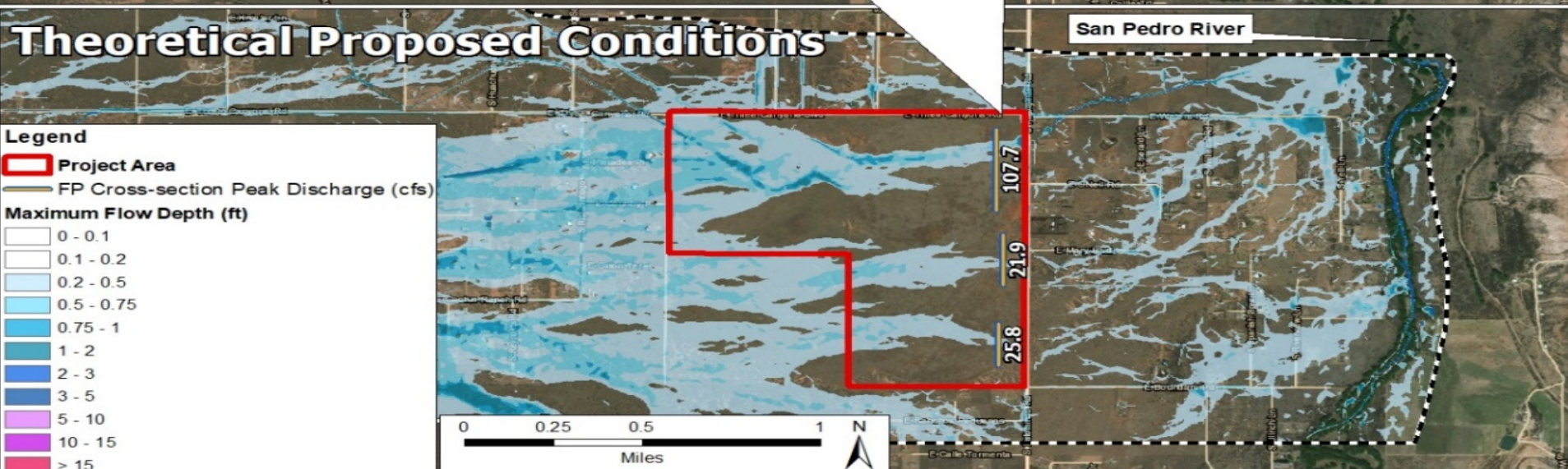
Paving Road

Access to 12 FCD lots

Existing Conditions



Theoretical Proposed Conditions

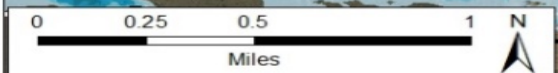


Legend

- Project Area
- FP Cross-section Peak Discharge (cfs)




Maximum Flow Depth (ft)

	0 - 0.1
	0.1 - 0.2
	0.2 - 0.5
	0.5 - 0.75
	0.75 - 1
	1 - 2
	2 - 3
	3 - 5
	5 - 10
	10 - 15
	> 15



Palominas Multi-Use Trail

Legend

-  Equestrian Access Area
-  Equestrian Spur
-  Palominas Multi-Use Trail (Proposed)



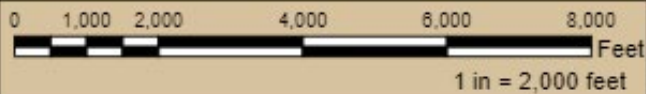
Google Earth

© 2020 INEGI
© 2020 Google



1000 ft

Bay Acres



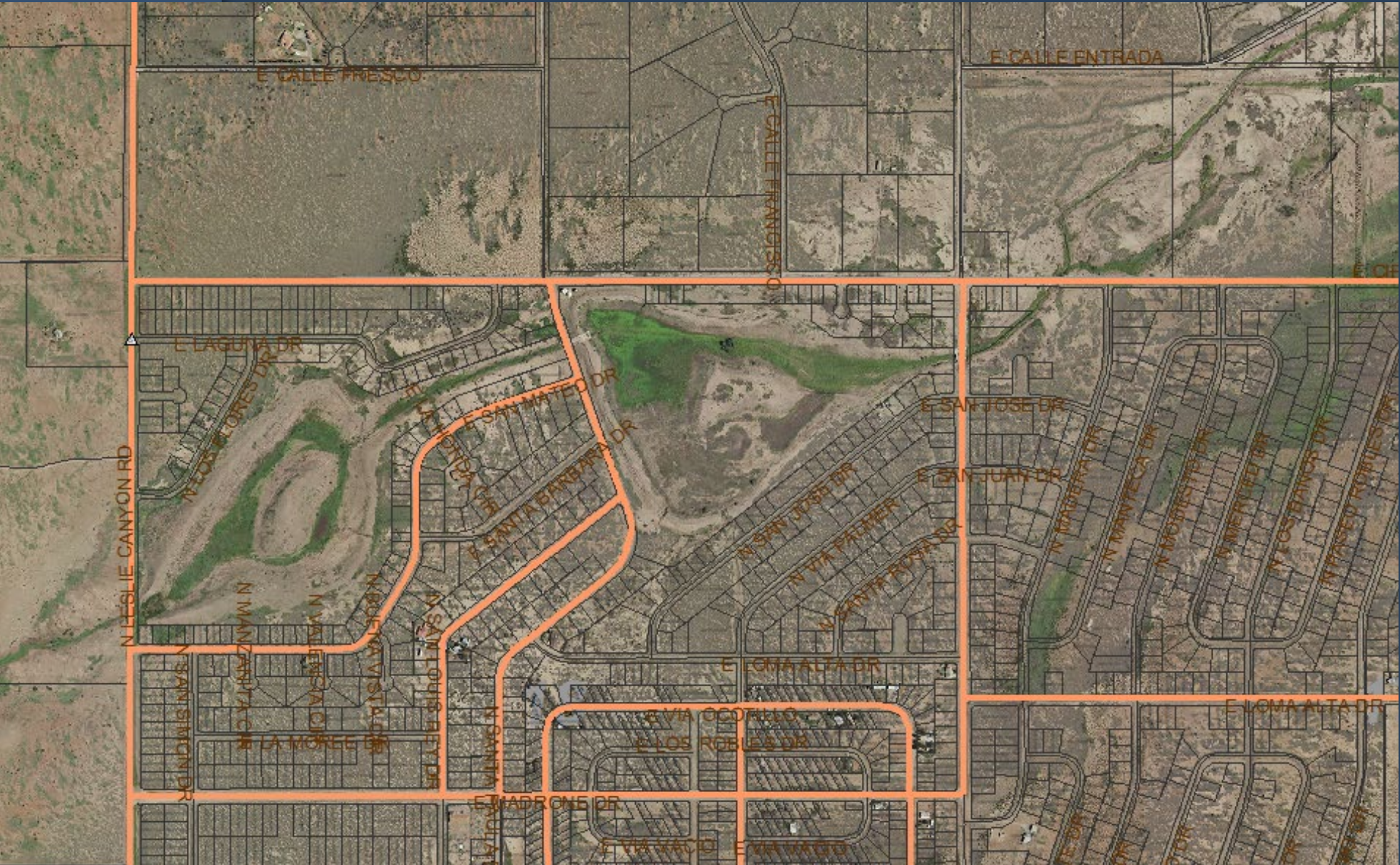
Hydrology &
Geomorphology, Inc.
40 E. Helen Street
Tucson, AZ 85705

FIGURE 1 - PROJECT LOCATION MAP
BAY ACRES FLOODPLAIN MITIGATION
DESIGN CONCEPT REPORT
COCHISE COUNTY, ARIZONA



Engineering & Natural
Resources Department
1415 Melody Lane
Bisbee, AZ 85603

Leslie Canyon Dam



Leslie Canyon Dam

3D Model

https://cochise-my.sharepoint.com/:v:/g/personal/areyes_cochise_az_gov/EX3J3Kqs-zhBm-g4z-yvxBOBYrleyezgrMEo1_FVEj6X0A?e=Tmzeus

FLOOD CONTROL DISTRICT

Questions ?

