



Patterson City Council
February 25, 2020

Del Puerto Water District

**SAN JOAQUIN RIVER
EXCHANGE CONTRACTORS
WATER AUTHORITY**

DEL PUERTO CANYON RESERVOIR

**Water for the Economy
Water for the Environment
Storage for the Future**

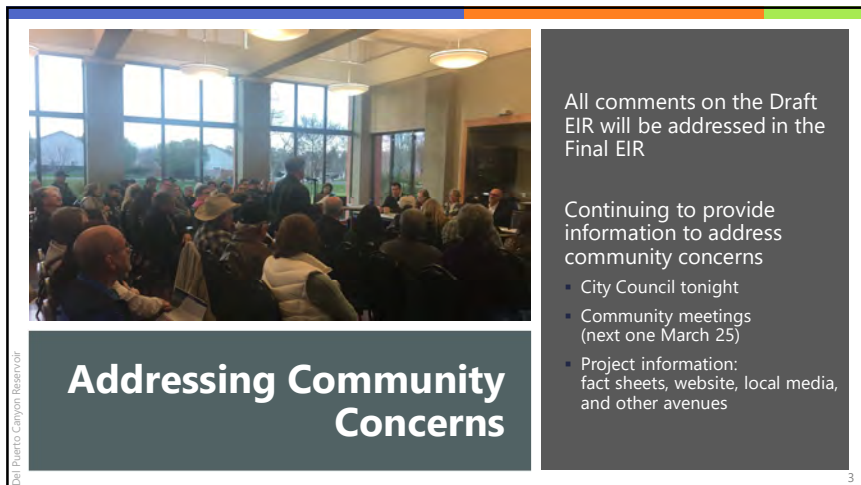
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Hearing Community Concerns

- Notices June 27, Scoping Meeting July 24
- Community meeting: December 11
- Public Comments on Draft EIR
 - Comment period: December 12 to January 27
 - 84 submittals with over 400 individual comments
 - Public comment meeting: January 15
 - 28 oral comments
- Patterson City Council: January 21
 - 20 comments during open public comments (project not on Council agenda)

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Addressing Community Concerns

All comments on the Draft EIR will be addressed in the Final EIR

Continuing to provide information to address community concerns

- City Council tonight
- Community meetings (next one March 25)
- Project information: fact sheets, website, local media, and other avenues

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Comments at City Council Meeting

-  Flooding and Dam Safety
-  Canyon Resources
-  Construction Impacts
-  Alternatives
-  Consistency with Current Plans

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Presentation Outline

- **Project Purpose and Features**
 - Water Supply
 - Environment
 - Flood Protection
- **Community Issues**
 - Dam Safety
 - Canyon Resources
 - Construction Impacts
 - Alternatives & Consistency with Current Plans
- **Opportunities & Enhancements**

Del Puerto Canyon Reservoir

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Project Purpose and Features



Del Puerto Canyon Reservoir

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Project Benefits

- Water
 - Agriculture
 - Groundwater Management
- Environment
 - Wildlife Refuges
- Public Safety
 - Flood Protection
- Regional Economy
- Flexibility to Adapt to Future Changes



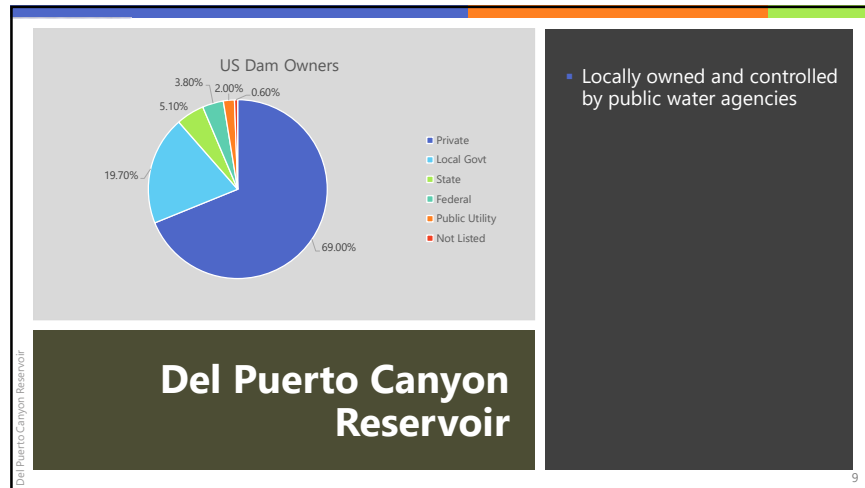
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Project Location

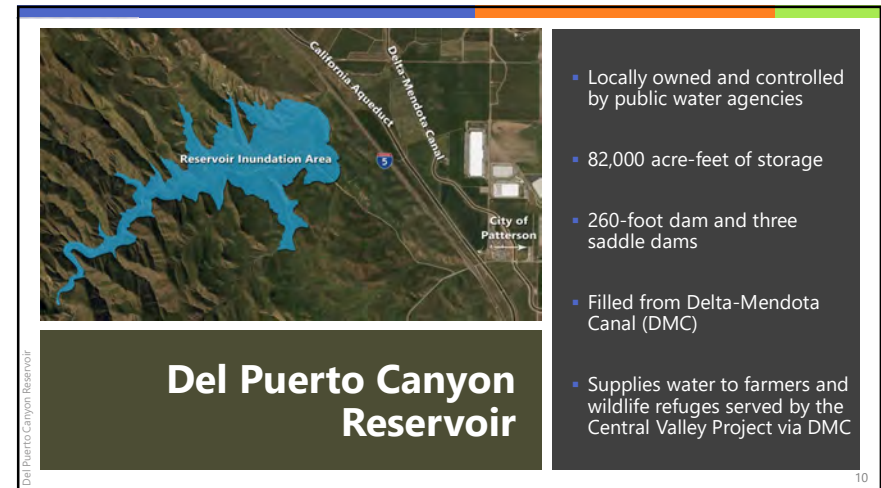


Del Puerto Canyon Reservoir

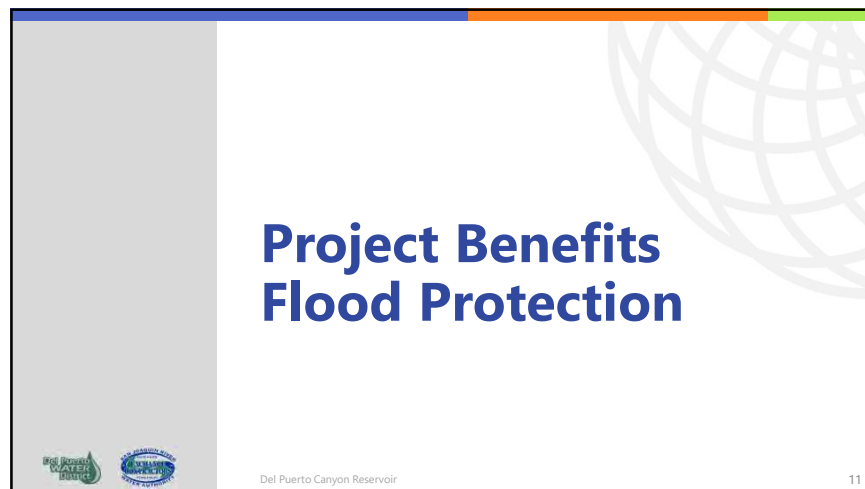
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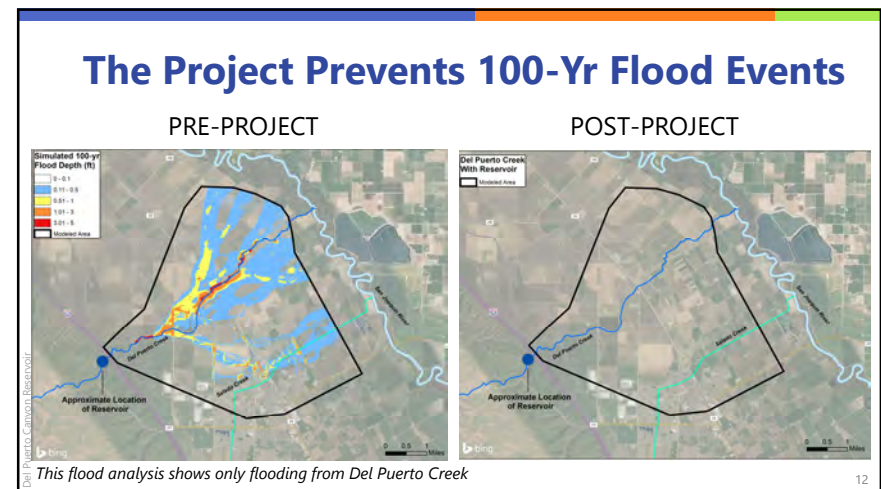
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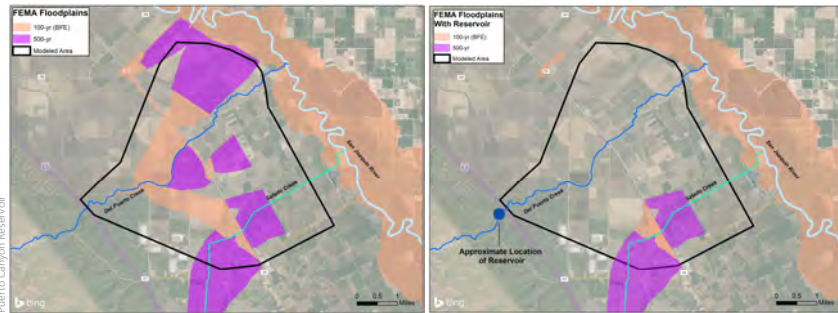


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The Project Removes Residents from FEMA's 100-Year Floodplain

PRE-PROJECT

POST-PROJECT



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Community Concerns Dam Safety

Insurance
Earthquake
Landslides
Emergency Planning



Del Puerto Canyon Reservoir

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Insurance for Potential Dam Failure

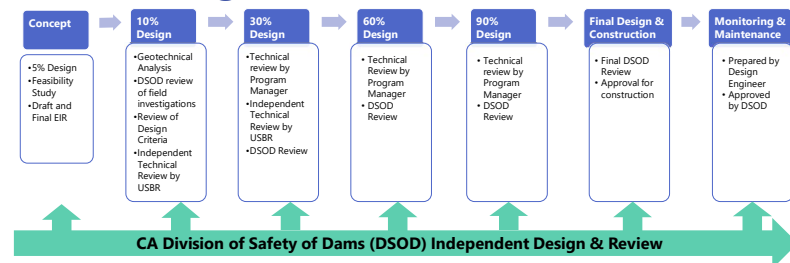
- FEMA and mortgage lenders do not require flood insurance for dam inundation areas
- The project partners will carry the appropriate level of liability insurance
- The inundation map dictates the dam design so that it will NOT fail

Del Puerto Canyon Reservoir

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Dam Design Process



Key Features

- Mitigation Commitments for Design Safety in Final EIR
- Continuous DSOD Review
- Independent Analyses by DSOD



CALIFORNIA DEPARTMENT OF WATER RESOURCES
DIVISION OF SAFETY OF DAMS

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Del Puerto Canyon Reservoir



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Del Puerto Canyon Reservoir

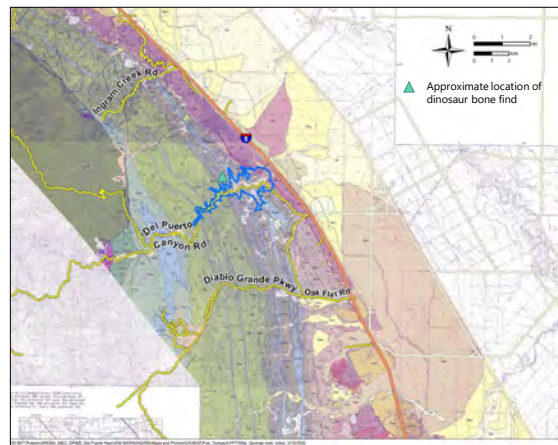
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Geology and Paleontology

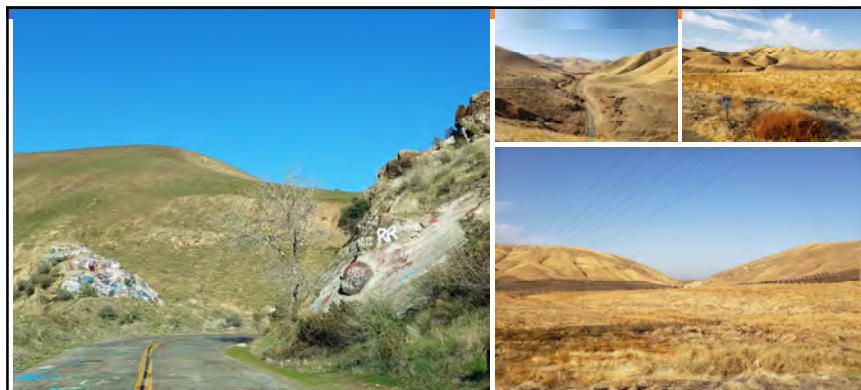


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Birding and Cultural and Natural Resources



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Canyon Resources – Inundation Area

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Canyon Resources – Above Reservoir

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Construction Impacts

Traffic
Air Quality



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Patterson Sperry Interchange Project



Del Puerto Canyon Reservoir

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Patterson Sperry Interchange Project



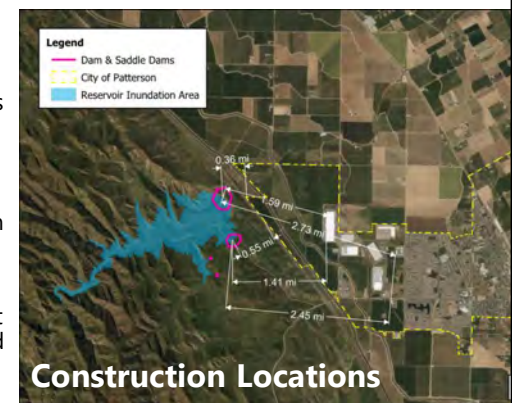
Del Puerto Canyon Reservoir

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Air Quality

- Best management practices will control dust emissions
- Mitigation measure to reduce NOx emissions from construction vehicles
- With mitigation, the project impacts to air quality would be less than significant



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Alternatives & Consistency With Current Planning Documents



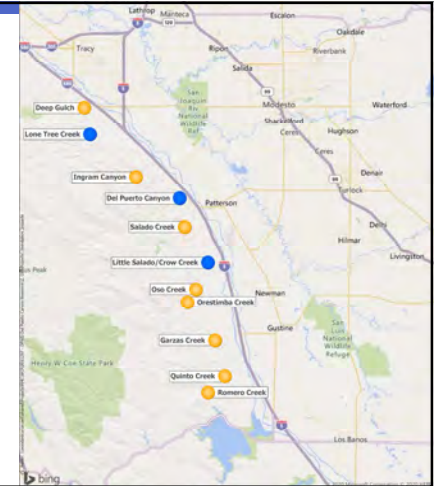
Del Puerto Canyon Reservoir

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Alternatives Considerations

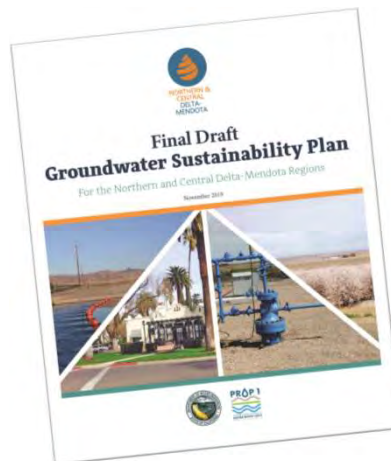
- Capacity to Surface Area
- Dam Volume
- Capacity to Dam Height
- Distance to Canal

Del Puerto Canyon Reservoir



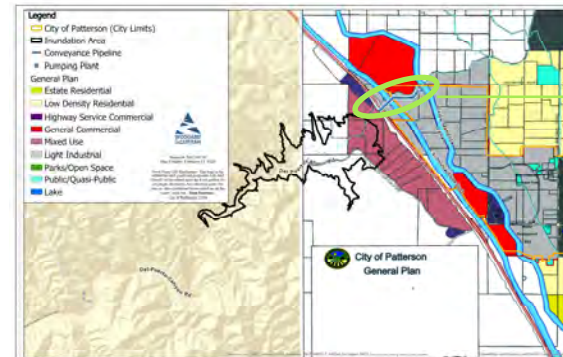
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Groundwater Storage



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Partners Will be Submitting Consistency Letter to City



- Pumping plant is within City limits but located on Bureau of Reclamation Right of Way
- Pipeline is located under private land

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Opportunities & Enhancements



Del Puerto Canyon Reservoir

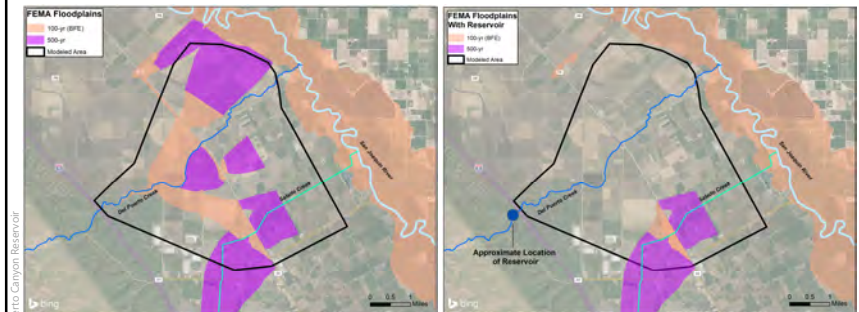
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Reduce Flood Insurance Requirements

PRE-PROJECT

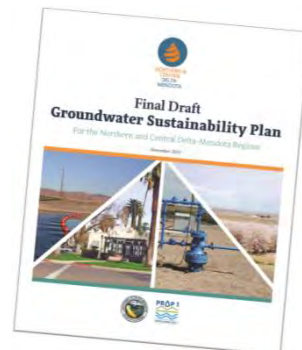
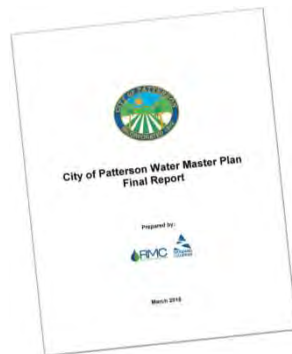
POST-PROJECT



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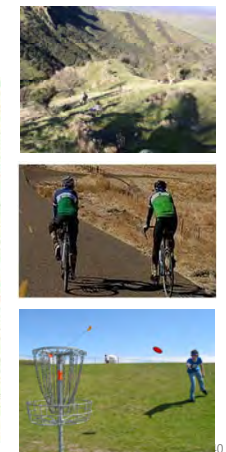
Help Patterson Water Supply Plan & Groundwater Sustainability Plan



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Support Recreation Amenities



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