





# TOPICS FOR DISCUSSION



- What is a Feasibility Study?
- Who is working on the Feasibility Study?
- When would the Study be completed?
- Where would actions be taken?
- Upcoming opportunities for involvement
- How to stay in the loop
- Discussion- What is important to you? What would you like the study team to know?



# WHAT IS A FEASIBILITY STUDY?

A feasibility study is a planning process that:

- Identifies water resource **problems** and **opportunities**
- Develops potential solutions to those problems while maximizing opportunities
- Compares solutions to each other
- Recommends the solution that makes the most sense



# THE STUDY TEAM

Name	Agency	Study Role
Brent Sunamoto	FMFCD	Assistant GM/District Engineer
Kassy Chauhan	FID	Special Project Manager
Dylan VanDyne	USACE	Project Manager
Ashley Labass	USACE	Support Project Manager
Jessica McCaffrey	USACE	Lead Planner
Lindsay Floyd	USACE	Support Planner
Jesse Schlunegger	USACE	Lead Hydraulics and Hydrology
Shyamal Chowdhury	USACE	Engineering Lead
Steven Mclemore	USACE	Environmental Support
Lorena Guerrero	USACE	Environmental Lead





# WHAT IS THE FOCUS OF THIS FEASIBILITY STUDY?



A study to determine cost effective measures of increasing water supply and conservation

- Capturing more storm water
- Drought resiliency
- Groundwater recharge
- Life safety- residual flood risk
- Nature-based water storage solutions
- Resilience for existing infrastructure
- Storing more water
- Benefits to the environment
- Benefits to human health
- Benefits for recreation, scenery, and greenspace



# WHEN WILL THE STUDY BE COMPLETED?



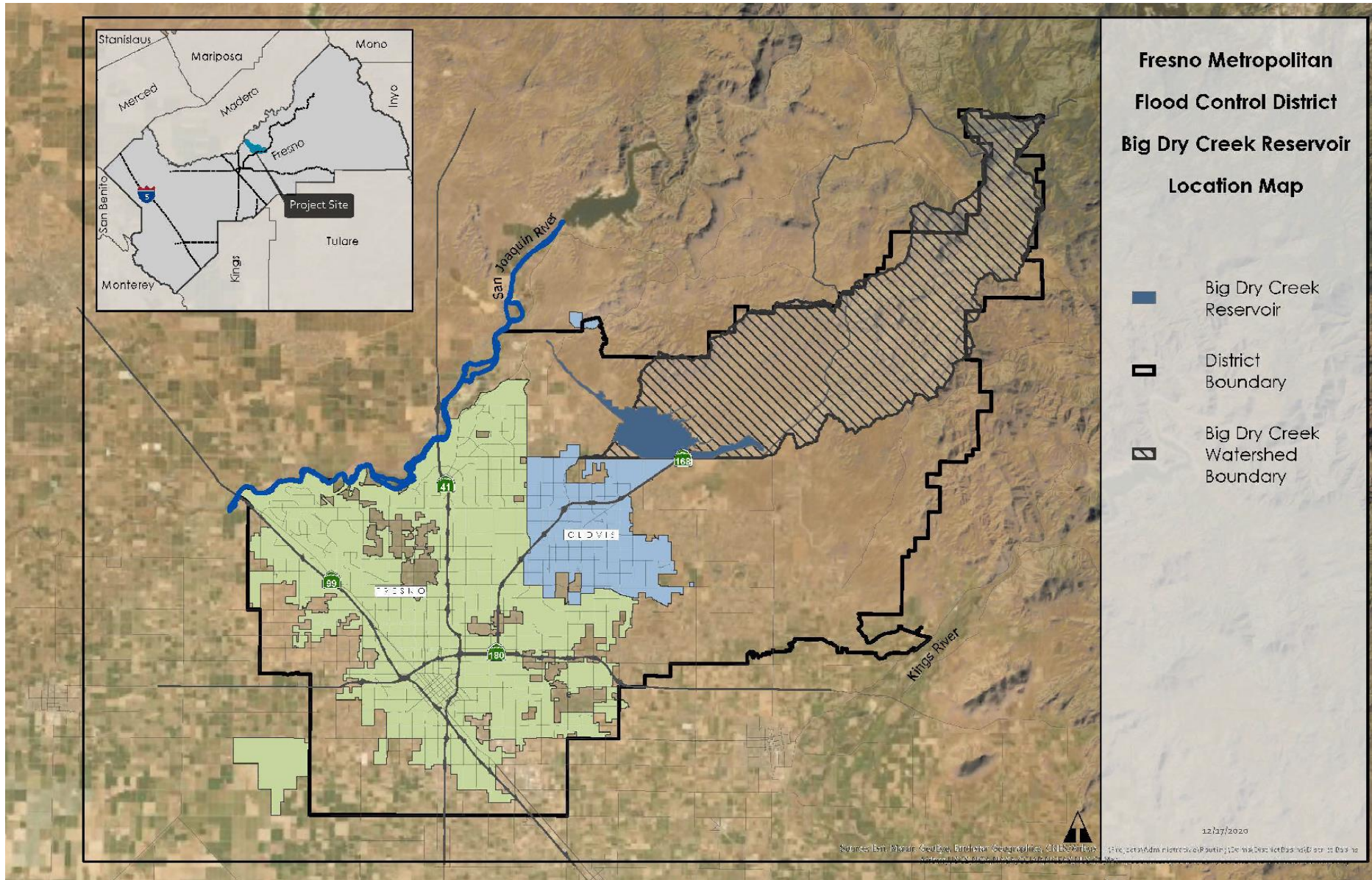
Milestone	Schedule
Study Began	February 21, 2024
Decision on Alternatives	August 30, 2024
Release National Environmental Policy Act (NEPA) for Public Review	30 days for public to review and make comments
Agency makes decision	Late 2026
Study sent to Congress for Approval and Authorization	Early 2027
Project Construction	? Dependent on congressional funding







# WHERE WOULD ACTION BE TAKEN?





# UPCOMING OPPORTUNITIES FOR INVOLVEMENT



- Additional official NEPA scoping meeting may be held after alternatives are developed

We will share our more targeted measures and locations

- Public Meeting to Support NEPA/CEQA process

Usually held just before or during the public review period

- Review Study Materials and NEPA/CEQA documents during public review

All documentation will be released for review during the public review period

- Reach out with comments during Flood Control District Meetings or by email anytime





# HOW TO STAY IN THE LOOP



Sign up for study updates  
(Check yes on sign-in sheet or let us know in the chat)

Send us an email:  
[RedbankandFancher@usace.army.mil](mailto:RedbankandFancher@usace.army.mil)

Visit our websites:  
<https://www.spk.usace.army.mil/Missions/Civil-Works/Redbank-and-Fancher-Creek/>

[www.Fresnostreamgroup.com](http://www.Fresnostreamgroup.com)



# OPEN DISCUSSION-



Survey Questionnaire

What is important to you?

What would you like the study team to know?



# SURVEY- WATER CONSERVATION MEASURES



Please rate your level of **support** on a scale of 1-5, with *1 being do not support*, and *5 being greatly support*:

Building new reservoirs



# SURVEY- WATER CONSERVATION MEASURES



Please rate your level of **support** on a scale of 1-5, with *1 being do not support*, and *5 being greatly support*:

Enlarging existing reservoirs





# SURVEY- WATER CONSERVATION MEASURES



Please rate your level of **support** on a scale of 1-5, with *1 being do not support*, and *5 being greatly support*:

Holding water in existing reservoirs longer



# SURVEY- WATER CONSERVATION MEASURES



Please rate your level of **support** on a scale of 1-5, with *1 being do not support*, and *5 being greatly support*:

Building new groundwater recharge areas



# SURVEY- WATER CONSERVATION MEASURES



Please rate your level of **support** on a scale of 1-5, with *1 being do not support*, and *5 being greatly support*:

Enlarging existing groundwater recharge basins



# SURVEY- WATER CONSERVATION MEASURES



Please rate your level of **support** on a scale of 1-5, with *1 being do not support*, and *5 being greatly support*:

Use of groundwater recharge wells





# SURVEY- WATER CONSERVATION MEASURES



Please rate your level of **support** on a scale of 1-5, with *1 being do not support*, and *5 being greatly support*:

Reducing evaporation from reservoirs by covering the water with plastic shade balls



# SURVEY- WATER CONSERVATION MEASURES



Please rate your level of **support** on a scale of 1-5, with *1 being do not support*, and *5 being greatly support*:

Reducing evaporation from reservoirs by planting shade trees



# SURVEY- WATER CONSERVATION MEASURES



Please rate your level of **support** on a scale of 1-5, with *1 being do not support*, and *5 being greatly support*:

Reducing evaporation with floating solar panels



# SURVEY- WATER CONSERVATION MEASURES



Please rate your level of **support** on a scale of 1-5, with *1 being do not support*, and *5 being greatly support*:

Reducing evaporation by pumping water underground





# SURVEY- WATER CONSERVATION MEASURES



Please rate your level of **support** on a scale of 1-5, with *1 being do not support*, and *5 being greatly support*:

Reducing water use



# SURVEY- WATER CONSERVATION MEASURES



Please rate your level of **support** on a scale of 1-5, with *1 being do not support*, and *5 being greatly support*:

Expanding floodways



# SURVEY- COMPANION MEASURES



Please rate your level of **support** on a scale of 1-5, with *1 being do not support*, and *5 being greatly support*:

Planting native shade trees at groundwater recharge basins



# SURVEY- COMPANION MEASURES



Please rate your level of **support** on a scale of 1-5, with *1 being do not support*, and *5 being greatly support*:

Use of technology to reduce harmful algal blooms



# SURVEY- COMPANION MEASURES



Please rate your level of **support** on a scale of 1-5, with *1 being do not support*, and *5 being greatly support*:

Adding additional recreation opportunities



# SURVEY- COMPANION MEASURES



Please rate your level of **support** on a scale of 1-5, with *1 being do not support*, and *5 being greatly support*:

Create permanent wetland habitat at existing reservoirs



# SURVEY- COMPANION MEASURES



Please rate your level of **support** on a scale of 1-5, with *1 being do not support*, and *5 being greatly support*:

Use of natural and nature-based features to improve groundwater recharge- such as using wetlands to increase groundwater recharge, or planting trees to increase infiltration to the groundwater



# SURVEY- CONCERNS



Please rate your level of **concern** on a scale of 1-5, with *1 being not concerned*, and *5 being very concerned* with:

Removal of existing vegetation to make space for new project features





# SURVEY- CONCERNS



Please rate your level of **concern** on a scale of 1-5, with *1 being not concerned*, and *5 being very concerned* with:

Loss of habitat in the project area for wildlife



# SURVEY- CONCERNS



Please rate your level of **concern** on a scale of 1-5, with *1 being not concerned*, and *5 being very concerned* with:

Temporary increases in noise from the project



# SURVEY- CONCERNS



Please rate your level of **concern** on a scale of 1-5, with *1 being not concerned*, and *5 being very concerned* with:

Temporary increases in air pollution from the project



# SURVEY- CONCERNS



Please rate your level of **concern** on a scale of 1-5, with *1 being not concerned*, and *5 being very concerned* with:

Temporary increases in traffic from the project



# SURVEY- CONCERNS



Please rate your level of **concern** on a scale of 1-5, with *1 being not concerned*, and *5 being very concerned* with:

Government acquiring private property such as farmland or vacant land to build a project



Thank you! and please stay in touch!