

# Proposal Full View

## Applicant Information

Organization Name  \*

Tax ID **94214682**

Proposal Name 2013 Hannah Ranch Flood Control & Habitat Conservation \*

Project Proposal

Proposal Objective The goals of the Kaweah River Basin IRWM Plan are to improve the drought preparedness, expand groundwater recharge capabilities, improve flood protection and sustain and improve groundwater quality for all water users in the Kaweah River IRWM area. These regional goals have been pursued through efforts to promote conjunctive use of surface and groundwater, reduce groundwater overdraft, develop projects that mitigate surface water supplies lost to environmental restoration or lawsuits, and to encourage the conservation of as much wet year water as possible through groundwater recharge. The Project in this Proposal is the best developed project that pursues the objectives of the Kaweah River IRWM Plan in the areas that have the most significant need. The project expands the regions ability to capture and beneficially use floodwater thereby reducing damage and offset groundwater pumping and develop critical historic habitats through strategically located multi-benefit projects. \*

## Budget

|                      |                  |
|----------------------|------------------|
| Other Contribution   | \$0.00           |
| Local Contribution   | \$3,109,856.00   |
| Federal Contribution | \$0.00           |
| Inkind Contribution  | \$0.00           |
| Amount Requested     | \$3,109,856.00 * |
| Total Project Cost   | \$6,219,712.00 * |

## Geographic Information

Latitude \* DD(+/-)  MM  SS

Longitude \* DD(+/-)  MM  SS

Longitude/Latitude Clarification

Location

NE of the intersection of Hwy 245 and Ave. 320, south of the Lower Kaweah River and west of Rd. 220.

County Tulare \*

Ground Water Basin San Joaquin Valley-Kaweah

Hydrologic Region Tulare Lake

Watershed 116 7558 South Valley Floor

## Legislative Information

Assembly District 30th Assembly District,34th Assembly District \*

Senate District 16th Senate District,18th Senate District \*

US Congressional District District 20 (CA),District 21 (CA) \*

## Project Information

|                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Project Name                        | 2013 Hannah Ranch Flood Control & Habitat Cons                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Implementing Organization           | Kaweah Delta Water Conservation District                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Secondary Implementing Organization |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Proposed Start Date                 | 3/4/2013                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Proposed End Date                   | 5/31/2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Project Scope                       | Develop a new 1,500 AF basin complex with associated habitat areas to reduce regional flood damage (Visalia \ Farmersville).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Project Description                 | <p>Terminus Dam protects the Basin from flood damage from the Kaweah River watershed, the largest in the Basin. However there are several smaller unregulated watersheds that also produce significant flooding effecting communities like Visalia and Farmersville. The Project site is located between Terminus Dam and downstream communities and will develop a 1,500AF flood layoff basin complex designed not to modify the existing floodway, but with intent to conserve and reregulate floodwater for beneficial use. The Project is currently conceptual and will be developed through several stages to final design, permit acquisition and CEQA processing. Project construction efforts will include earthen basins built below grade on approximately 380ac currently owned by KDWCD, restored and conserved habitat area for endangered species, new diversion structures from the Lower Kaweah River (LKR) and the Friant-Kern Canal (FKC) and curtain wall and french drain system around three sides of the property to protect adjacent landowners from impacts related to elevated groundwater levels. Soils on the Project site are very sandy and KDWCD intends to work with local contractors to trade the excavation of the basin for excavated material as has been done for several other District projects. Basin cells will be 6-10ft deep and will require approximately 4million cubic-yards of earthwork. The diversion structure in the LKR will replace the existing rubble Hannah Dam and will incorporate several overshot gates to regulate river flows. The Project diversion from the</p> |

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                   | LKR will also be a rehabilitation of an existing structure to include a concrete turnout and two gated 72in discharge pipes that will convey a max of 300CFS. A new concrete structure will be developed along the LKR on the western side of the site to discharge stored water back to the LKR by gravity (max 100CFS). Also a new concrete turnout and pipeline from the FKC will be developed to convey water easterly to the site under Hwy 245.                  |
| Project Objective | The Project objective is to develop a facility that can reduce damage from Dry Creek flood events and conserve floodwaters for later beneficial use for a reasonable cost given the Project's benefits and anticipated life span. Current flood control facilities provide protection against floods from the Kaweah River, but Dry Creek is an unregulated watershed that produces significant flood events for communities in the Region (Visalia and Farmersville). |

**Project Benefits Information**

Project Objective

**Budget**

|                      |         |
|----------------------|---------|
| Other Contribution   | 0       |
| Local Contribution   | 3109856 |
| Federal Contribution | 0       |
| Inkind Contribution  | 0       |
| Amount Requested     | 3109856 |
| Total Project Cost   | 6219712 |

**Geographic Information**

|                                                                                                    |                                                              |       |       |
|----------------------------------------------------------------------------------------------------|--------------------------------------------------------------|-------|-------|
| Latitude DD(+/-)                                                                                   | 36                                                           | MM 22 | SS 20 |
| Longitude DD(+/-)                                                                                  | -119                                                         | MM 5  | SS 17 |
| Longitude/Latitude Clarification                                                                   | Location NE of the intersection of Hwy 245 and Ave. 320, sou |       |       |
| County Tulare Ground Water Basin San Joaquin Valley-Kaweah Hydrologic Region Tulare Lake WaterShed |                                                              |       |       |
| 116 7558 South Valley Floor                                                                        |                                                              |       |       |

**Legislative Information**

|                           |                                               |
|---------------------------|-----------------------------------------------|
| Assembly District         | 30th Assembly District,34th Assembly District |
| Senate District           | 16th Senate District,18th Senate District     |
| US Congressional District | District 20 (CA),District 21 (CA)             |

**Section : Applicant Information Question Tab**

**APPLICANT INFORMATION QUESTION TAB**

**Q1. PROPOSAL DESCRIPTION**

Provide a brief abstract of the Proposal, including a listing of individual project titles.

The 2013 Hannah Ranch Flood Control & Habitat Conservation Project Proposal presents a project that will meet several of the most critical needs within the Kaweah River Basin. The Project is an effort to improve the flood control protection for the largest community in Tulare County (and the County seat), provide reregulation capabilities that will conserve diverted flood waters and develop conserved habitat areas for local endangered species. This Project involves the construction of a new water control structure and new earthen embankments to impound surface water flows from the Kaweah River, a natural stream that miles downstream has a distributary that flows through the City of Visalia. The Project is currently at the preliminary conceptual design stage. This Project provides flood water damage reduction to the City of Visalia and water supply and environmental stewardship benefits to Kaweah Delta WCD.

**Q2. PROJECT DIRECTOR**

Provide the name and details of the person responsible for executing the grant agreement for the applicant. Persons that are subcontractors to be paid by the grant cannot be listed as the Project Director.

Don Mills, Chairman of the Board of Directors, Kaweah Delta WCD

**Q3. PROJECT MANAGEMENT**

Provide the name and contact information (including email) of the Project Manager from the applicant agency or organization that will be the day-to-day contact on this application.

Mark Larsen, General Manager, Kaweah Delta WCD

**Q4. APPLICANT INFORMATION**

Provide the agency name, address, city, state and zip code of the applicant submitting the application. Also provide the name and contact information of the person filling out the online application.

Agency: Kaweah Delta Water Conservation District 2975 N. Farmersville Blvd. Farmersville, CA 93223 Online Application Manager: Dennis Mills, Provost & Pritchard Consulting Group 130 N. Garden Street Visalia. CA 93291 Phone: 559-636-1166 Email: dmills@ppeng.com

**Q5. ADDITIONAL INFORMATION**

Provide the IRWM funding area(s) in which projects are located.

<http://www.water.ca.gov/irwm/grants/fundingarea.cfm>

Tulare /Kern (Tulare Lake) Funding Area

**Q6. RESPONSIBLE REGIONAL WATER QUALITY CONTROL BOARD(S)**

List the name of the Regional Water Quality Control Board (RWQCB) in which your proposal is located. For a region that extends beyond more than one RWQCB boundary, list the name of each Board.

[http://www.waterboards.ca.gov/waterboards\\_map.shtml](http://www.waterboards.ca.gov/waterboards_map.shtml)

Central Valley RWQCB (5F)

**Q7. ELIGIBILITY**

Is the application from an IRWM region approved in the Region Acceptance Process (RAP)? To verify, see RAP website:

<http://www.water.ca.gov/irwm/grants/rap.cfm> . If yes, include the name of the IRWM region. If not, explain.

The Kaweah River Basin IRWM region was conditionally approved by DWR through the 2009 RAP. Representatives of the region met with DWR staff in January 2012 to discuss the progress that the region has made toward the previous conditions of acceptance from the 2009 RAP. DWR staff agreed that the region has made significant progress toward these conditions and laid out a schedule for the future progress that if met would make the region eligible for Round 2 Prop 1E and Implementation Grant funds. The letter confirming this view is included in this application as Attachment 2, Appendix A.

**Q8. ELIGIBILITY**

Please specify whether the applicant is a local public agency or non-profit organization as defined in Appendix B of the 2012 Guidelines.

Kaweah Delta WCD is a local agency. Kaweah Delta WCD was formed in 1927 under the provisions of the Water Conservation District Act of 1927.

**Q9. ELIGIBILITY**

List the urban water suppliers that will receive funding from the proposed grant. Please provide the agency name, a contact phone number and e-mail address. Those listed must submit self certification of compliance with CWC §525 et seq. and AB 1420, see Attachment 10. If there are none, so indicate and answer "NA" for Q10 and Q11.

Kaweah Delta WCD is not an urban water supplier.

**Q10. ELIGIBILITY**

Have all of the urban water suppliers, listed in Q9 above, submitted complete Urban Water Management Plans (UWMPs) to DWR? Have those plans been verified as complete by DWR? If not, explain and provide the anticipated date for having a complete plan.

Answer "NA" if no urban water supplier identified in Q9 above.

NA

**Q11. ELIGIBILITY**

Have any urban water suppliers listed in Q9 recently submitted AB 1420 compliance tables and supporting documentation to DWR for a different grant program on or after November 1, 2012? If so, please list the urban water supplier and the grant program. An urban water supplier must submit AB 1420 compliance documentation to DWR. If the urban water supplier has not submitted AB 1420 documentation, or that documentation was determined to be incomplete by DWR, the urban water supplier's projects will not be considered eligible for grant funding. Refer to Section III.B of the 2012 Guidelines for additional information.

Answer "NA" if no urban water supplier identified in Q9 above.

NA

**Q12. ELIGIBILITY**

Does the Proposal include any groundwater projects or other projects that directly affect groundwater levels or quality? If so, provide the name(s) of the project(s) and list the agency(ies) that will implement the project(s).

Answer "NA" if the Proposal does not include groundwater projects or other projects that directly affect groundwater levels or quality.

The Project includes some nexus with groundwater management, recharge or potential impacts to groundwater. The Project will be implemented by Kaweah Delta WCD.

**Q13. ELIGIBILITY**

For the agency(ies) listed in Q12, how has the agency complied with CWC §10753 regarding Groundwater Management Plans (GWMPs), as described in Section III.B of the 2012 Guidelines?

Answer "NA" if the Proposal does not include groundwater projects or other projects that directly affect groundwater levels or quality.

The groundwater throughout the Kaweah River Basin IRWM area is not an adjudicated groundwater basin. Kaweah Delta WCD has a groundwater management plan that has been prepared and implemented in compliance with CWC §10753.7. Kaweah Delta WCD's groundwater management plan is the most significant groundwater management component of the Kaweah River Basin IRWM region's functionally equivalent IRWM plan. Several local entities are signatory to Kaweah Delta WCD's groundwater management plan, including the City of Visalia, California Water Service Company (urban water supplier in the City of Visalia), the City of Tulare, the City of Farmersville, the City of Lindsay, the City of Woodlake, Consolidated Peoples Ditch Company, Kings County Water District, Lakeside Ditch Company, Lakeside Irrigation Water District, St. Johns Water District, Stone Corral Irrigation District, Tulare Irrigation District and Ivanhoe Irrigation District. These entities have all agreed to participate in Kaweah Delta WCD's groundwater management plan that meets the requirements of CWC §10753.7.

**Q14. ELIGIBILITY**

List the agricultural water suppliers that will receive funding from the proposed grant. Please provide the agency/organization name, a contact phone number and e-mail address. If there are none, so indicate and answer "NA" for Q15.

Kaweah Delta WCD is not an agricultural water supplier. There are no agricultural water suppliers that will receive funding from the proposed grant.

**Q15. ELIGIBILITY**

Have all of the agricultural water suppliers, listed in Q14 above, submitted complete Agricultural Water Management Plan to DWR? Have those plans been verified as complete by DWR? If the plan has not been submitted, please indicate the anticipated submittal date.  
Answer "NA" if no agricultural water suppliers were identified in Q14 above.

NA

**Q16. ELIGIBILITY**

List the surface water diverters that will receive funding from the proposed grant. Please provide the agency/organization name, a contact phone number and e-mail address. If there are none, so indicate and answer "NA" for Q17 below.

Agency: Kaweah Delta Water Conservation District Phone: (559) 747-5601 Email: kaweah@kdwcd.com

**Q17. ELIGIBILITY**

Have all of the surface water diverters, listed in Q16 above, submitted surface water diversion reports in compliance with requirements outlined in Part 5.1 (commencing with §5100) of Division 2 of the CWC? If not, explain and provide the anticipated date for meeting the requirements. Answer "NA" if no surface water diverters identified in Q16 above.

Water diverted pursuant to KDWCD's water right is diverted at such a varying and widely-diverse number of points and by such different means that it has been deemed too daunting a task for KDWCD to submit forms showing all of its diversions. For instance, much of its water is diverted into storage, then released as flood flows, then diverted into flood control facilities and then redirected back into natural channels, to be diverted elsewhere for groundwater recharge. Some of its water is intentionally recharged in natural channels without ever being diverted and other parts of its water is diverted and recharged in sinking basins. Some of its water is transferred to entities who file water diversion records in which they sometimes include KDWCD's water. KDWCD plans to file the required reports, when it has determined how it can do so accurately.

**Q18. ELIGIBILITY**

List the groundwater users that will receive funding from the proposed grant. Please provide the agency/organization name, a contact phone number and e-mail address. If there are none, so indicate and answer "NA" to Q19.

Kaweah Delta WCD is not a groundwater user. The District does not own or operate any wells other than facilities for monitoring. There are no groundwater users that will receive funding from the proposed grant. However, the primary purpose of the District is to preserve and protect groundwater resources within its service area.

**Q19. ELIGIBILITY**

Have all of the groundwater users, listed in Q18 above, met the requirements of DWR's CASGEM Program: <http://www.water.ca.gov/groundwater/casgem/>? If not, explain and provide the anticipated date for meeting the requirements. Answer "NA" if no groundwater users were identified in Q18 above.

Kaweah Delta WCD is not a groundwater user. The District does not own or operate any wells other than facilities for monitoring. However, the District is a designated monitoring entity for DWR's CASGEM system within its boundaries, excluding the Tulare ID service area.

**Section : Application Attachments Tab**

**APPLICATION ATTACHMENTS TAB**

**ATTACHMENT 1: AUTHORIZATION AND ELIGIBILITY REQUIREMENTS**

Upload Authorization and Eligibility documentation here. Ensure file name is consistent with Section V of the Stormwater Flood Management PSP.

Max file size: 50 MB per file. Up to five files can be uploaded to this upload field. Max file name: 50 character.

Last Uploaded Attachments: Att1\_SWF\_Eligible\_1of1.pdf

Upload additional Authorization and Eligibility documentation here, if necessary.

Max file size: 50 MB per file. Up to five files can be uploaded to this upload field. Max file name: 50 character.

**ATTACHMENT 2: PROOF OF FORMAL ADOPTION**

Upload Proof of Formal Adoption documentation here. Ensure file name is consistent with Section V of the Stormwater Flood Management PSP.

Max file size: 50 MB per file. Up to five files can be uploaded to this upload field. Max file name: 50 character.

Last Uploaded Attachments: Att2\_SWF\_Adopt\_1of1.pdf

Upload additional Proof of Formal Adoption documentation here, if necessary.

Max file size: 50 MB per file. Up to five files can be uploaded to this upload field. Max file name: 50 character.

Upload additional Proof of Formal Adoption documentation here, if necessary.

Max file size: 50 MB per file. Up to five files can be uploaded to this upload field. Max file name: 50 character.

**ATTACHMENT 3: WORK PLAN**

Upload the Work Plan here. Ensure file name is consistent with Section V of the Stormwater Flood Management PSP.

Max file size: 50 MB per file. Up to five files can be uploaded to this upload field. Max file name: 50 character.

Last Uploaded Attachments: Att3\_SWF\_WorkPlan\_1of1.pdf

Upload additional work plan components here, if necessary.

Max file size: 50 MB per file. Up to five files can be uploaded to this upload field. Max file name: 50 character.

**Upload additional work plan components here, if necessary.**

Max file size: 50 MB per file. Up to five files can be uploaded to this upload field. Max file name: 50 characters.

**Upload additional work plan components here, if necessary.**

Max file size: 50 MB per file. Up to five files can be uploaded to this upload field. Max file name: 50 character.

#### **ATTACHMENT 4: BUDGET**

**Upload the Budget documents here. Ensure file name is consistent with Section V of the Stormwater Flood Management PSP.**

Max file size: 50 MB per file. Up to five files can be uploaded to this upload field. Max file name: 50 character.

Last Uploaded Attachments: Att4\_SWF\_Budget\_1of1.pdf

**Upload additional budget components here, if necessary.**

Max file size: 50 MB per file. Up to five files can be uploaded to this upload field. Max file name: 50 character.

**Upload additional budget components here, if necessary.**

Max file size: 50 MB per file. Up to five files can be uploaded to this upload field. Max file name: 50 character.

**Upload additional budget components here, if necessary.**

Max file size: 50 MB per file. Up to five files can be uploaded to this upload field. Max file name: 50 character.

#### **ATTACHMENT 5: SCHEDULE**

**Upload the Schedule here. Ensure file name is consistent with Section V of the Stormwater Flood Management PSP.**

Max file size: 50 MB per file. Up to five files can be uploaded to this upload field. Max file name: 50 characters.

Last Uploaded Attachments: Att5\_SWF\_Schedule\_1of1.pdf

**Upload additional schedule components here, if necessary.**

Max file size: 50 MB per file. Up to five files can be uploaded to this upload field. Max file name: 50 characters.

**Upload additional schedule components here, if necessary.**

Max file size: 50 MB per file. Up to five files can be uploaded to this upload field. Max file name: 50 characters.

#### **ATTACHMENT 6: MONITORING, ASSESSMENT, AND PERFORMANCE MEASURES**

**Upload Monitoring, Assessment, and Performance Measures here. Ensure file name is consistent with Section V of the Stormwater Flood Management PSP.**

Max file size: 50 MB per file. Up to five files can be uploaded to this upload field. Max file name: 50 characters.

Last Uploaded Attachments: Att6\_SWF\_Measures\_1of1.pdf

**Upload additional Monitoring, Assessment, and Performance Measures here, if necessary.**

Max file size: 50 MB per file. Up to five files can be uploaded to this upload field. Max file name: 50 characters.

**Upload additional Monitoring, Assessment, and Performance Measures here, if necessary.**

Max file size: 50 MB per file. Up to five files can be uploaded to this upload field. Max file name: 50 characters.

#### **ATTACHMENT 7: TECHNICAL JUSTIFICATION OF PROJECTS**

**Upload Technical Justification of Projects here. Ensure file name is consistent with Section V of the Stormwater Flood Management PSP.**

Max file size: 50 MB per file. Up to five files can be uploaded to this upload field. Max file name: 50 characters.

Last Uploaded Attachments: Att7\_SWF\_TechJust\_1of2.pdf,Att7\_SWF\_TechJust\_2of2.pdf

**Upload additional Technical Justification of Projects here, if necessary.**

Max file size: 50 MB per file. Up to five files can be uploaded to this upload field. Max file name: 50 characters.

**Upload additional Technical Justification of Projects here, if necessary.**

Max file size: 50 MB per file. Up to five files can be uploaded to this upload field. Max file name: 50 characters.

**ATTACHMENT 8: BENEFITS AND COST ANALYSIS**

**Upload Benefits and Cost Analysis here. Ensure file name is consistent with Section V of the Stormwater Flood Management PSP.**

Max file size: 50 MB per file. Up to five files can be uploaded to this upload field. Max file name: 50 characters.

Last Uploaded Attachments: Att8\_SWF\_BenCost\_1of1.pdf

**Upload additional Benefits and Cost Analysis documentation here, if necessary.**

Max file size: 50 MB per file. Up to five files can be uploaded to this upload field. Max file name: 50 characters.

**Upload additional Benefits and Cost Analysis documentation here, if necessary.**

Max file size: 50 MB per file. Up to five files can be uploaded to this upload field. Max file name: 50 characters.

**ATTACHMENT 9: PROGRAM PREFERENCES**

**Upload Program Preference documentation here. Ensure file name is consistent with Section V of the Stormwater Flood Management PSP.**

Max file size: 50 MB per file. Up to five files can be uploaded to this upload field. Max file name: 50 characters.

Last Uploaded Attachments: Att9\_SWF\_Preference\_1of1.pdf

**Upload additional Program Preference documentation here, if necessary.**

Max file size: 50 MB per file. Up to five files can be uploaded to this upload field. Max file name: 50 characters.

**ATTACHMENT 10: GWMP, AB 1420, AND WATER METER COMPLIANCE INFORMATION**

**If your proposal does not include 1) a groundwater project or a project that directly affects groundwater levels or quality, or 2) an urban water supplier who would receive grant funding, you MUST still upload a document that indicates this attachment is not applicable to your proposal. If the upload field to this attachment is left blank, your proposal cannot be saved or completed.**

**Upload GWMP, AB 1420, and Water Meter Compliance documents here. Ensure file name is consistent with Section V of the Stormwater Flood Management PSP.**

Max file size: 50 MB per file. Up to five files can be uploaded to this upload field. Max file name: 50 characters.

Last Uploaded Attachments: Att10\_SWF\_SelfCert\_1of1.pdf

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