

Proposal Full View

Print

Applicant Information

Organization Name Sonoma County Water Agency *

Tax ID 946000539

Proposal Name Copeland Creek Enhancement and Restoration Project *

Proposal Objective The Sonoma County Water Agency in partnership with the Sonoma County Agricultural Preservation and Open Space District, Sonoma County Regional Parks, the City of Rohnert Park, Sonoma State University (SSU), the Conservation Corps North Bay and the University District, LLC proposes to implement a regionally integrated project in the Copeland Creek Watershed between Highway 101 at Rohnert Park east to Crane Creek Regional Park. This public-private partnership intends to accomplish the following objectives: • Stormwater detention of up to 200 acre-feet in up to three off-stream basins located in the alluvial fan east of Petaluma Hill Road that will provide regional flood protection and 150 acre-feet or more annual groundwater recharge potential. • Riparian habitat restoration along up to 16,000 linear feet of Copeland Creek. • Removal of up to 11,000 cubic yards of sediment, re-contouring of up to 2 miles of channel bottom, and construction of sediment collection basins to detain fine sediment from roads, erosion, and other upland sources that otherwise would be deposited onto the streambed. • Provision of off-channel refuge in the mid-reach of Copeland Creek to protect listed juvenile steelhead against high flow events. • Protection of water quality for salmonids. • Increase of 75 to 90 acres of permanent preserved open space. • Construction of more than 6,000 linear feet of public trails and bike paths along Copeland Creek from SSU east to Crane Creek Regional Park, and west toward Highway 101 to provide a virtually uninterrupted path from Rohnert Park to Crane Creek Regional Park. The project will improve flood protection, reduce sediment deposition downstream, recharge groundwater, improve groundwater supply reliability, improve salmonid habitat, provide salmonid refugia off-stream, and create a site for public access and education about hydrology, fish, and watershed geomorphic processes. *

Budget

Other Contribution	\$2,570,000.00
Local Contribution	\$2,760,325.00
Federal Contribution	\$669,675.00
Inkind Contribution	\$0.00
Amount Requested	\$6,000,000.00 *
Total Project Cost	\$12,000,000.00 *

Geographic Information

Latitude * DD(+/-) 38 MM 20 SS 25

Longitude * DD(+/-) 122 MM 40 SS 39

Longitude/Latitude Clarification 38.340278; 122.6775 Location Sonoma State University east to Crane Creek Regional Park, west to HWay 101; Copeland Crk. Watershed

County Sonoma *

Ground Water Basin Santa Rosa Valley-Santa Rosa Plain

Hydrologic Region North Coast

Watershed Copeland Creek Watershed

Legislative Information

Assembly District 6th Assembly District *

Senate District 3rd Senate District *

US Congressional District District 6 (CA) *

Project Information

Project Benefits Information

Project Name Copeland Creek Enhancement and Restoration Project

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Stormwater Flood-Water Supply Enhancement	200	• Stormwater detention of up to 200 acre-feet in up to three off-stream basins located in the alluvial fan east of Petaluma Hill Road that will provide regional flood protection and 150 acre-feet or more annual groundwater recharge potential

Budget

Other Contribution	2570000
Local Contribution	2760325
Federal Contribution	669675
Inkind Contribution	0
Amount Requested	6000000
Total Project Cost	12000000

Geographic Information

Latitude DD(+/-)	38	MM 20	SS 25
Longitude DD(+/-)	122	MM 40	SS 39
Longitude/Latitude Clarification	38.340278; 1	Location	Sonoma State University east to Crane Creek Regiona

County	Sonoma
Ground Water Basin	Santa Rosa Valley-Santa Rosa Plain
Hydrologic Region	North Coast
WaterShed	Copeland Creek Watershed

Legislative Information

Assembly District	6th Assembly District
Senate District	3rd Senate District
US Congressional District	District 6 (CA)

Project Information

Project Benefits Information

Project Name

Detention and Recharge Basins

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Stormwater Flood-Water Supply Enhancement	200	<ul style="list-style-type: none"> Stormwater detention of up to 200 acre-feet in up to three off-stream basins located in the alluvial fan east of Petaluma Hill Road that will provide regional flood protection and 150 acre-feet or more annual groundwater recharge potential
Secondary	Water Storage -- Groundwater-Water Supply Enhancement	150	<ul style="list-style-type: none"> Stormwater detention of up to 200 acre-feet in up to three off-stream basins located in the alluvial fan east of Petaluma Hill Road that will provide regional flood protection and 150 acre-feet or more annual groundwater recharge potential

Budget

Other Contribution	2570000
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Geographic Information

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Ground Water Basin	Santa Rosa Valley-Santa Rosa Plain
Hydrologic Region	North Coast
WaterShed	Copeland Creek Watershed

Legislative Information

Assembly District	6th Assembly District
Senate District	3rd Senate District
US Congressional District	District 6 (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 or types.

The Sonoma County Water Agency in partnership with the Sonoma County Agricultural Preservation and Open Space District, Sonoma County Regional Parks, the City of Rohnert Park, Sonoma State University, Conservation Corps North Bay and the University District, LLC proposes to implement a regionally integrated project in the Copeland Creek Watershed between Highway 101 at Rohnert Park, east approximately 3 miles to Crane Creek Regional Park. This public-private partnership intends to implement the Project in two phases. Phase 1 Proposition 84 Round 1 Implementation funds: The Project will 1) enhance 21 acres of riparian habitat along 9,400 linear feet of Copeland Creek by strategically removing 10 acres of invasive species and replanting with 14,650 plants; 2) remove up to 11,000 cubic yards of sediment to foster the Creek's natural geomorphic functioning, mitigate flooding, and improve fish passage and water quality; and 3) complete the 90% design and environmental documents for up to three stormwater detention basins. Phase 2: Proposition 1E funds are needed to 1) finalize the stormwater detention basins design and environmental document (EIR); 2) enhance and restore riparian habitat along 6,600 linear feet of Copeland Creek; 3) increase open space preserved by 75 to 90 acres including the headwaters of Hinebaugh Creek; and 4) construct more than 6,600 linear feet of public trails and bike paths along the Copeland Creek corridor from Sonoma State University east to Crane Creek Regional Park and rehabilitation of 6,000 linear feet of pedestrian and bike trails from SSU west toward Highway 101 to provide a virtually uninterrupted path from Rohnert Park to Crane Creek Regional Park. The main stem of Copeland Creek is 9.1 miles in length. The Copeland Creek watershed is 5.1 square miles, with about 3.9 square miles of that area upstream of the proposed detention basins. The Copeland Creek watershed can be characterized by three zones largely dictated by topography, the steep cobble dominated upper headwaters, the moderately steep alluvial fan, and the flood control channel through urban areas below Petaluma Hill Road. The Copeland Creek headwaters provide the source for flood waters, runoff, groundwater recharge, and sediment yields transported downstream. The regional and local impacts of a 100 year flood have been determined to affect at least one quarter of the downstream City of Rohnert Park including Sonoma State University, Rancho Cotati High School, businesses, residences, and adjoining City arterial roadways, such as Rohnert Park Expressway and Snyder Lane. Storm water detention basins sited to capture runoff from the Copeland Creek headwaters would reduce the impacts of future 100 year floods upon the regional downstream properties and structures. Historical groundwater level declines in the region have been a concern to many groundwater users in the area. The storm water detention/groundwater recharge basins would be located over one of the few areas within the southern Santa Rosa Plain groundwater basin ranked as having a high potential for groundwater recharge, making it ideal in its potential to enhance the replenishment of local groundwater supplies. The Project would also restore degraded portions of Copeland Creek, thereby improving downstream water quality, restoring riparian habitat, and providing an important migratory corridor for fish that pass through the engineered Copeland Creek reaches toward upstream spawning sites. When completed, the project will improve flood protection, reduce sediment deposition downstream, recharge groundwater, improve salmonid habitat, provide salmonid refugia off-stream, conserve energy resulting from reduced pumping and importation of potable surface water, and create a site for public access and education about the hydrology, the water cycle, fish habitat, and geomorphic processes in the upper watershed.

Q2. PROJECT DIRECTOR

Provide the name and details (including email) 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.

Grant Davis, General Manager Sonoma County Water Agency 404 Aviation Boulevard Santa Rosa, CA 95403 grant.davis@scwa.ca.gov Tel: 707-547-1900

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.

Kent Gylfe, Principal Engineer Sonoma County Water Agency 404 Aviation Boulevard Santa Rosa, CA 95403 kgylfe@scwa.ca.gov Tel: 707-547-1977

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.

Lynne Rosselli, Finance/Grant Manager Sonoma County Water Agency 404 Aviation Boulevard Santa Rosa, CA 95403 lynne.rosselli@scwa.ca.gov Tel: 707-524-3771

Q5. ADDITIONAL INFORMATION

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

http://www.water.ca.gov/irwm/integregio_fundingarea.cfm

North Coast IRWMP

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

North Coast Regional Water Quality Control Board

Q7. ELIGIBILITY

Is the application from an IRWM planning region approved in the RAP (See Section II B, Table 1)? If yes, include the name of the IRWM planning region. If not, explain.

Yes. North Coast IRWMP

**Q8.
ELIGIBILITY**

Is the applicant a local agency or non-profit organization as defined in Appendix B of the Grant Guidelines?
Yes. local agency; special district

**Q9.
ELIGIBILITY**

List the urban water suppliers that will receive funding from the proposed grant. Those listed must submit self certification of compliance with CWC §525 et seq. and AB 1420. If there are none, so indicate and you do not have to answer Q10 and Q11.

Sonoma County Water Agency (lead agency); potentially City of Rohnert Park as a partner.

**Q10.
ELIGIBILITY**

Have all of the urban water suppliers, listed in Q9 above, submitted complete 2005 Urban Water Management Plans (UWMP) to DWR? Have those plans been verified as complete by DWR? If not, explain and provide the anticipated date for having a complete UWMP. Will all of the urban water suppliers listed in Q9, along with any additional urban water suppliers that meet the urban water supplier definition threshold for the first time, submit updated 2010 UWMPs, consistent with the 2010 UWMP Guidebook and verified as complete by DWR, before the execution of a grant agreement? If not, explain.

The Sonoma County Water Agency has submitted a complete 2005 Urban Water Management Plan (UWMP), will adopt the 2010 UWMP by the July 1, 2011 deadline, and intends to submit the certified complete 2010 UWMP to DWR by the August 1, 2011 deadline, before the execution of the grant agreement in September-December 2011.

The City of Rohnert Park has submitted a complete 2005 UWMP and intends to submit a 2010 UWMP by the deadline.

**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 within the past three months? 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 IIIB of the Guidelines for additional information.

The Sonoma County Water Agency submitted AB 1420 compliance tables and supporting documentation to DWR for the Proposition 84 Round 1 Implementation Grant. DWR responded in a letter dated January 27, 2011 that the Sonoma County Water Agency has and is currently implementing the BMPs consistent with AB 1420 and, therefore, is eligible to receive water management grant or loan funds. The City of Rohnert Park is in the process of submitting the self certification forms to DWR.

**Q12.
ELIGIBILITY**

Does the Proposal include any groundwater management or groundwater recharge projects or projects with potential groundwater impacts? If so, provide the name(s) of the project (s) and list the agency(ies) that will implement the project(s).

Yes. The Copeland Creek Enhancement and Restoration Project: Detention and Recharge Basins will include enhancing groundwater supply reliability with up to 150 acre-feet annual groundwater recharge potential which will decrease dependence on imported Russian River water and potentially result in reduced pumping and importation of potable surface water. The Sonoma County Water Agency will implement the elements of the project involving design and construction of the stormwater detention and recharge basins.

**Q13.
ELIGIBILITY**

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

The Sonoma County Water Agency consents to be subject to a GWMP, basin-wide management plan, or other IRWM program or plan that meets the requirements of CWC §10753.7. Based on the findings of a stakeholder situation assessment of groundwater in the Santa Rosa Plain conducted in late 2009 by the Center for Collaborative Policy, the Water Agency convened a Steering Committee to address groundwater stakeholder concerns, oversee a public education and outreach effort to build common understanding about groundwater and develop recommendations on whether groundwater management should proceed. The Steering Committee consists of members that represent a broad array of interest groups, including business, environmental and community organizations, government, water supply and groundwater technical issues, agriculture, and rural well owners. The Committee met six times in 2010, held three educational public workshops involving nearly 200 people and conducted briefings with 20 organizations. In January 2011 this steering committee recommended that stakeholders collaboratively develop a non-regulatory, voluntary groundwater management plan for the Santa Rosa Plain Groundwater Basin under AB 3030. The Water Agency will be presenting these recommendations to its Board of Directors on May 3, 2011 and requesting authorization to move forward with groundwater management planning in the Santa Rosa Plain. The Sonoma County Water Agency has been awarded a Proposition 84 Round 1 Planning Grant to prepare a groundwater management plan for the Santa Rosa Plain. Pending authorization from the Water Agency's Board of Directors and agreement execution with the North Coast IRWMP team, the Water Agency will convene a Basin Advisory Panel, organize and implement stakeholder information sharing, develop basin management goals and objectives, establish a monitoring and data collection program, prepare and adopt a Groundwater Management Plan (GWMP), and conduct regional information sharing on the groundwater management planning process with other agencies within the North Coast IRWMP region. The GWMP will be adopted prior to construction of the stormwater detention/recharge basins.

**Q14:
ELIGIBILITY**

Does the applicant have a Stormwater Resources Plan developed pursuant to Part 2.3 (commencing with Section 10560) of Division 6 of the Water Code, or an IRWM Plan that includes the Stormwater Resources Plan requirements specified in Section 10562 of the Water Code? Please answer yes or no. If yes, please answer Question 15 or 16, as applicable.

- a) Yes
- b) No

**Q15:
ELIGIBILITY**

For applicants with a Stormwater Resources Plan, does that Plan meet the standards set forth in Part 2.3 of Division 6 of the CWC? If yes, provide attachment 13.

- a) Yes
- b) No

Q16:
ELIGIBILITY

For applicants with an IRWM Plan, does that Plan include the Stormwater Resources Plan requirements specified in Section 10562 of the CWC? If yes, provide attachment 13.

- a) Yes
- b) No

NOTES TO BMS
ADMINISTRATOR

Provide notes about any potential problems you may have had with BMS that are particular to your application.
None

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 (disregard the 5 digit pin).
Last Uploaded Attachments: Att1_SWF_Eligible1of1.pdf

Upload additional Authorization and Eligibility documentation here.

Upload additional Authorization and Eligibility documentation here. Upload additional Authorization and Eligibility documentation here.

Upload additional Authorization and Eligibility documentation here.

ATTACHMENT 2: ADOPTED PLAN AND 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 (disregard the 5 digit pin).
Last Uploaded Attachments: Att2_Adopt_SWF_1of1.pdf

Upload additional Proof of Formal Adoption documentation here. Upload additional Proof of Formal Adoption documentation here.

Upload additional Proof of Formal Adoption documentation here. Upload additional Proof of Formal Adoption documentation here.

ATTACHMENT 3: WORK PLAN

Upload the Work Plan here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).
Last Uploaded Attachments: Att3_SWF_WorkPlan_1of1.pdf

Upload additional work plan components here.
Last Uploaded Attachments:
Att3_SWF_WorkPlan_Maps.pdf

Upload additional work plan components here. Upload additional work plan components here.
Last Uploaded Attachments: Last Uploaded Attachments: Att3_SWF_WP_SWDesign.pdf

Upload additional work plan components here.
Last Uploaded Attachments:
Att3_SWF_WorkPlan_SMPDesign.pdf

ATTACHMENT 4: BUDGET

Upload the Budget here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).
Last Uploaded Attachments: Att4_SWF_Budget_1of1.pdf

Upload additional budget components here. Upload additional budget components here.

Upload additional budget components here. Upload additional budget components here.

ATTACHMENT 5: SCHEDULE

Upload the Schedule here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att5_SWF_Schedule_1of1.pdf

Upload additional schedule components here.

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 (disregard the 5 digit pin).

Last Uploaded Attachments: Att6_SWF_Measures_1of1.pdf

Upload additional Monitoring, Assessment, and Performance Measures here.

ATTACHMENT 7: ECONOMIC ANALYSIS - FLOOD DAMAGE REDUCTION COSTS AND BENEFITS

Upload Economic Analysis - Flood Damage Reduction Costs and Benefits here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att7_SWF_DReduce_1of1.pdf

Upload additional Economic Analysis - Flood Damage Reduction Costs and Benefits documentation here.

Upload additional Economic Analysis - Flood Damage Reduction Costs and Benefits documentation here.

Upload additional Economic Analysis - Flood Damage Reduction Costs and Benefits documentation here.

Upload additional Economic Analysis - Flood Damage Reduction Costs and Benefits documentation here.

ATTACHMENT 8: ECONOMIC ANALYSIS - WATER SUPPLY COSTS AND BENEFITS

Upload Economic Analysis - Water Supply Costs and Benefits here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att8_SWF_WSBen_1of1.pdf

Upload additional - Water Supply Costs and Benefits documentation here.

Upload additional - Water Supply Costs and Benefits documentation here.

Upload additional - Water Supply Costs and Benefits documentation here.

Upload additional - Water Supply Costs and Benefits documentation here.

Section : Application Attachments Tab (cont)

APPLICATION ATTACHMENTS TAB (CONT)

ATTACHMENT 9: WATER QUALITY AND OTHER EXPECTED BENEFITS

Upload Water Quality and Other Expected Benefits here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att9_SWF_WQBen_1of1.pdf

Upload additional Water Quality and Other Expected Benefits documentation here.

Upload additional Water Quality and Other Expected Benefits documentation here.

Upload additional Water Quality and Other Expected Benefits documentation here.

Upload additional Water Quality and Other Expected Benefits documentation here.

ATTACHMENT 10: COSTS AND BENEFITS SUMMARY

Upload Costs and Benefits Summary here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att10_SWF_CBSummary_1of1.pdf

Upload additional Costs and Benefits Summary documentation here.

ATTACHMENT 11: PROGRAM PREFERENCES

Upload Program Preference documentation here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).
Last Uploaded Attachments: Att11_SWF_Preference_1ofTotal1.pdf

Upload additional Program Preference documentation here.

ATTACHMENT 12: AB1420 AND WATER METER COMPLIANCE INFORMATION

Upload AB1420 and Water Meter Compliance Information here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).
Last Uploaded Attachments: Att12_SWF_AB1420_1of1.pdf

Upload additional AB1420 and Water Meter Compliance documentation here.

Upload additional AB1420 and Water Meter Compliance documentation here.

Upload additional AB1420 and Water Meter Compliance documentation here.

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ATTACHMENT 13: STORMWATER RESOURCES PLAN

This attachment is only necessary if the applicant has an existing Stormwater Resources Plan, pursuant (commencing with Section 10560) of Division 6 of the Water Code and answered "yes" to Q15 or Q16.

The summary text must be no more than 5 pages in length using a minimum of 10-point type font. Excerpts from the Plan must not exceed 15 pages.

Attachment 13 must provide the following:

Identify and include portions of the applicable Plan that demonstrate all of the standards of Part 2.3 (commencing with Section 10560) of Division 6 of the CWC.

Upload additional Stormwater Resources Plan documentation here.

Upload additional Stormwater Resources Plan documentation here.

Upload additional Stormwater Resources Plan documentation here.

Upload additional Stormwater Resources Plan documentation here.