

**Pajaro River Watershed Integrated Regional Water Management Plan Update
Project Solicitation Form**

PROJECT OVERVIEW

General Project Information

Project Title:	Salsipuedes Creek Bench Excavation Project
Project Location:	Watsonville, CA
Estimated Cost:	\$700,000

Brief Project Description (1 to 2 sentences):

The Salsipuedes Creek Bench Excavation Project is a sediment removal and habitat restoration project along the Salsipuedes Creek portion of the Pajaro River Federal flood control project. The conveyance capacity of Salsipuedes Creek is severely diminished and this project will restore some of the capacity until the ultimate flood protection project can be constructed.

Project Proponent Information

Contact Name:	Steve Palmisano, Director of Public Works
Affiliation:	City of Watsonville
Address:	250 Main Street, Watsonville
Phone Number:	(831) 768-3176
Email:	steve.palmisano@cityofwatsonville.org

Other participating agencies/organizations (if applicable):

County of Santa Cruz, Army Corps of Engineers

DETAILED PROJECT INFORMATION

Description

Please provide a description of your project (including the location) and its purpose, what will be constructed and/or implemented, how the project will function, the area(s) and/or entities that will be affected by or will benefit from the project, and any potential obstacles to implementation.

The City has identified 7 sites where aggradation in the Corps flood control project has reduced the capacity of the Salsipuedes Creek channel. The project would remove the aggraded soil and restore the channel, creating more freeboard between the existing Salsipuedes Levee crest elevation and the top of the water surface elevation adjacent to the senior housing area and would also improve the geomorphology of the creek.

- Site 1, "Beck/King" right bank 3000 CY
- Site 2 "PS 2 Hushbeck" right bank 6000 CY
- Site 3 "PS 3 Bronte/Delta" right bank 3000 CY
- Site 4 "PS 1 Bronte/Village" right bank 1500 CY
- Site 5 "North End Shade Covers" right bank 1000 CY
- Site 6 "Walnut Trees" right bank 1000 CY

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Site 7 "Near Lake Tynan" left bank 3000 CY

The project would be constructed simultaneously with the Phase II of the Pajaro River Bench Excavation Project.

Technical Feasibility

Discuss the technical feasibility of the project. If possible, cite references that contain information about the proposed project and detail the technical feasibility of the project.

The technical feasibility was first established in the Pajaro River and Salsipuedes Creek Capacity Analysis prepared by Northwest Hydraulics in July 2009. The County has authorized its survey and hydraulic consultants to work with the City as they develop the Salsipuedes Creek Bench Excavation Project.

Pajaro River Watershed IRWM Regional Goals & Objectives

Put an X next to any goal that the proposed project will achieve.

Water Supply

- | | |
|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> | 1. Meet 100% of M&I and agriculture demands (both current and future conditions) in wet to dry years including the first year of a drought. |
| <input type="checkbox"/> | 2. Meet 85% M&I and 75% agriculture demands (both current and future conditions) in second and subsequent years of a drought. |
| <input type="checkbox"/> | 3. Identify and address water supply needs of disadvantaged communities in the Pajaro River Watershed. |
| <input type="checkbox"/> | 4. Implement water conservation programs to reduce M&I and agricultural water use consistent with SBx7-7 and CVPIA. |
| <input type="checkbox"/> | 5. Maximize the use of recycled water during the irrigation season and expand other uses of recycled water. |
| <input type="checkbox"/> | 6. Optimize the use of groundwater and aquifer storage. |
| <input type="checkbox"/> | 7. Maximize conjunctive use opportunities including interagency conjunctive use. |
| <input type="checkbox"/> | 8. Optimize and sustain the use of existing import surface water entitlements from the San Felipe Unit. |
| <input checked="" type="checkbox"/> | 9. Maximize the beneficial use of existing local water supplies while protecting existing surface water rights. |

Water Quality

- | | |
|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> | 1. Meet or exceed all applicable groundwater, surface water, wastewater, and recycled water quality regulatory standards. |
| <input type="checkbox"/> | 2. Identify and address the drinking water quality of disadvantaged communities in the Pajaro River Watershed. |

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- | | |
|---|------------------------------------------------------------------------------------------------------------------------------------------------|
| | 3. Protect groundwater resources from contamination including salts and nutrients. |
| x | 4. Address impacts from surface water runoff through implementation of Best Management Practices or other surface water management strategies. |
| | 5. Meet or exceed delivered water quality targets established by recycled water users. |

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Flood Protection

x	1. Implement flood management strategies throughout the watershed that provide multiple benefits.
x	2. Reach consensus on the Pajaro River Risk Reduction Project necessary to protect existing urban areas and infrastructure from flooding and erosion from the 100-
0	3. Work with stakeholders to preserve existing flood attenuation by implementing land management and conservation strategies throughout the watershed.
x	4. Develop approaches for adaptive management to minimize maintenance requirements and protect quality and availability of water while preserving ecologic
x	5. Provide community benefits beyond flood protection such as public access, open space, recreation, agriculture preservation and economic development.

Environmental Protection and Enhancement

x	1. Address opportunities to enhance the local environment and protect and/or restore natural resources, in cooperation with landowners, when developing water
x	2. Improve biological and cultural resources, including riparian habitats, habitats supporting sensitive plant or animal species and archaeological/historic sites when
	3. Address opportunities to protect, enhance, or restore habitat to support Monterey Bay National Marine Sanctuary marine life in conjunction with water supply
	4. Address opportunities for open spaces, trails, parks along creeks and other recreational projects in the watershed that can be incorporated with water

Integration and Coordination

Put an X next to any Resource Management Strategies (RMS) that the proposed project will address.

Reduce Water Demand	Agricultural Water Use Efficiency	
	Urban Water Use Efficiency	
Improve Operational Efficiency and Transfers	Conveyance - Delta	
	Conveyance - Regional/local	
	System Reoperation	
	Water Transfers	
Increase Water Supply	Conjunctive Management & Groundwater Storage	
	Desalination	
	Precipitation Enhancement	
	Recycled Municipal Water	
	Surface Storage - CALFED	
	Surface Storage - Regional/local	
Improve Water Quality	Drinking Water Treatment & Distribution	
	Groundwater Remediation /Aquifer Remediation	
	Matching Quality to Use	

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	Pollution Prevention	
	Salt & Salinity Management	
	Urban Runoff Management	x
Improve Flood Management	Flood Risk Management	x
Practice Resources Stewardship	Agricultural Lands Stewardship	
	Economic Incentives (Loans, Grants, & Water Pricing)	
	Ecosystem Restoration	
	Forest Management	
	Recharge Area Protection	
	Water-Dependent Recreation	
	Watershed Management	
Other Strategies	Crop Idling for Water Transfers	
	Dewvaporation or Atmospheric Pressure Desalination	
	Fog Collection	
	Irrigated Land Retirement	
	Rainfed Agriculture	
	Waterbag Transport/Storage Technology	

Please describe:

List the projects that were integrated to develop a single proposed project, if applicable.

Pajaro River Bench Excavation Project and Pajaro River Risk Reduction Project

List the agencies and organization that are working together to implement the project.

City of Watsonville, County of Santa Cruz, Army Corps of Engineers

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Climate Change Mitigation and Adaptation

Put an X next to any climate change adaptation or mitigation strategy the proposed project will contribute to.

Adaption Strategies

<input type="checkbox"/>	Improve water supply reliability
<input type="checkbox"/>	Expand conjunctive use of multiple water supply sources
<input type="checkbox"/>	Increase water use and/or reuse efficiency
<input type="checkbox"/>	Provide additional water supply
<input checked="" type="checkbox"/>	Promote water quality protection
<input type="checkbox"/>	Reduce water demand
<input type="checkbox"/>	Advance / expand recycled water use
<input type="checkbox"/>	Promote urban runoff reuse
<input checked="" type="checkbox"/>	Address sea level rise
<input type="checkbox"/>	Address other anticipated climate change impacts
<input checked="" type="checkbox"/>	Improve flood control
<input checked="" type="checkbox"/>	Promote habitat protection
<input checked="" type="checkbox"/>	Establish migration corridors
<input checked="" type="checkbox"/>	Re-establish river-floodplain hydrologic continuity
<input type="checkbox"/>	Re-introduce anadromous fish populations to watershed
<input type="checkbox"/>	Enhance and protect watershed forest and meadow systems

Please describe:

Mitigation Strategies

<input type="checkbox"/>	Increase water use efficiency or promote energy-efficient water demand reduction
<input type="checkbox"/>	Improve water system energy efficiency
<input type="checkbox"/>	Advance / expand recycled water use
<input type="checkbox"/>	Promote urban runoff reuse
<input type="checkbox"/>	Promote use of renewable energy sources
<input type="checkbox"/>	Contribute to carbon sequestration

Please describe:

Does the proposed project reduce regional greenhouse gas emissions and/or improve energy efficiency? If so, explain how.

No.

Social Benefits and Impacts

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Does the project provide specific benefits to disadvantaged communities and/or Native American tribal communities? If so, explain.

Yes, the project provides flood protection benefits to the disadvantaged community of Watsonville.

Does the project address any known environmental justice issues?

Yes, the project provides flood protection benefits to the vulnerable senior community located adjacent to the creek.

Project Cost

Total Estimated Capital Cost	\$700,000	
Annual Operation & Maintenance (O&M) Cost	\$0	In development
Cost Basis (Year)		
Source(s) of Funding for Capital		
Source(s) of Funding for O&M Cost		
Project Life (years)		
Provide link to project cost estimate, if available		

Economic Feasibility

Has a benefit:cost or cost effectiveness analysis been completed for your project? If so, please cite reference and briefly summarize. If no economic analysis has been completed for the project, the project may receive zero points out of a possible 100 points for the financial considerations criteria unless the project is a DAC project. If the project is not a DAC project but the B:C ratio is expected to be greater than 1, please provide a justification. The lack of an economic analysis may also affect the project's readiness score.

No, however the project is a DAC project.

If known, please provide the Benefit:Cost Ratio.

Provide a detailed discussion of the benefits the project will provide. To the extent possible, quantify changes and benefits (e.g. water quality and water supply benefits) that will result from project implementation; otherwise, describe benefits qualitatively.

The project will provide flood protection, water quality and habitat restoration benefits similar to the Pajaro River Bench Excavation Project.

Project Readiness

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Proposed Project Start Date:	Jun-14
Anticipated Project Completion Date:	Dec-14

Please indicate the status (pending, in process, complete) of the following.

Project Element	Status	% Complete	Estimated Completion Date
<i>Feasibility Study</i>	complete	100	
<i>Preliminary design</i>	ongoing	50	1/2/13
<i>CEQA/NEPA</i>		0	13-Sep
<i>Permit Acquisition</i>		0	13-Sep
<i>Construction Docs</i>		0	5/1/14