

Appendix A: SWRP Checklist

Appendix A contains a checklist documenting compliance with the Water Code Requirements for the WSJ SWRP.

Storm Water Resource Plan Checklist and Self-Certification

The following should be completed and submitted to the State Water Resources Control Board Division of Financial Assistance in support of a storm water resource plan /functionally equivalent plan. The documents submitted, including this checklist, will be used to determine State Water Board concurrence with the Storm Water Resource Plan Guidelines and statutory water code requirements.

When combining multiple documents to form a functionally equivalent Storm Water Resource Plan, submit a cover letter explaining the approach used to arrive at the functionally equivalent document. The cover letter should explain how the documents work together to address the Storm Water Resource Plan Guidelines.

| STORM WATER RESOURCE PLAN GENERAL CONTACT INFORMATION | |
|--|---|
| Contact Info: Name Phone Number Email | J. Scott Petersen Water Policy Director, San Luis & Delta-Mendota Water Authority (209) 826-9696 Scott.petersen@sldmwa.org |
| Date Submitted to State Water Resource Control Board: | May 29, 2020 |
| Regional Water Quality Control Board: | Central Valley Regional Water Quality Control Board |
| Title of attached documents: | Westside-San Joaquin Stormwater Resource Plan |

| STORM WATER RESOURCE PLAN INFORMATION | |
|--|---|
| Storm Water Resource Plan Title: | Westside-San Joaquin Stormwater Resource Plan |
| Date Plan Completed/Adopted: | May 29, 2020 |
| Public Agency Preparer: | San Luis & Delta-Mendota Water Authority |
| IRWM Submission: | The Westside-San Joaquin Stormwater Resources Plan (SWRP) encompasses the Westside-San Joaquin IRWM Region. The San Luis and Delta-Mendota Water Authority (SLDWMA) led the preparation of the SWRP for the Westside-San Joaquin Region. The final SWRP has been provided to the IRWM for incorporation into the Westside-San Joaquin IRWMP. |
| Plan Description: | The Westside-San Joaquin SWRP focuses on regional watershed-based stormwater and dry weather runoff management priorities along the western side of California's San Joaquin River Valley. The primary purpose of the SWRP is to identify and prioritize multiple-benefit stormwater projects that address water resource management goals in the planning area. The SWRP addresses the elements of the SWRP Guidelines required by the Water Code. |

Checklist Instructions:

For **each element** listed below, review the applicable section in the Storm Water Resource Plan Guidelines and enter ALL of the following information. Be sure to provide a clear and thorough justification if a recommended element (non shaded) is not addressed by the Storm Water Resource Plan.

A. Mark the box if the Storm Water Resource Plan meets the provision

B. In the provided space labeled **References**, enter:

1. Title of document(s) that contain the information (or the number of the document listed in the General Information table above);
2. The chapter/section, **and page number(s)** where the information is located within the document(s);
3. The entity(ies) that prepared the document(s) if different from plan preparer;
4. The date the document(s) was prepared, and subsequent updates; and
5. Where each document can be accessed¹ (website address or attached).

| STORM WATER RESOURCE PLAN CHECKLIST AND SELF-CERTIFICATION | | |
|--|--|--|
| Mandatory Required Elements per California Water Code are Shaded and Text is Bold | | |
| Y/N | Plan Element | Water Code Section |
| WATERSHED IDENTIFICATION (GUIDELINES SECTION VI.A) | | |
| <input checked="" type="checkbox"/> | 1. Plan identifies watershed and subwatershed(s) for storm water resource planning. | 10565(c) 10562(b)(1) 10565(c) |
| References: Section 2.2 (pg. 2-6) | | |
| | 2. Plan is developed on a watershed basis, using boundaries as delineated by USGS, CalWater, USGS Hydrologic Unit designations, or an applicable integrated regional water management group, and includes a description and boundary map of each watershed and sub-watershed applicable to the Plan. | |
| References: Only elements required by the Water Code were included in the SWRP | | |

¹ All documents referenced must include a website address. If a document is not accessible to the public electronically, the document must be attached in the form of an electronic file (e.g. pdf or Word 2013) on a compact disk or other electronic transmittal tool.

WATERSHED IDENTIFICATION (GUIDELINES SECTION VI.A)

| | |
|--|--|
| | 3. Plan includes an explanation of why the watershed(s) and sub-watershed(s) are appropriate for storm water management with a multiple-benefit watershed approach; |
| <u>References:</u> Only elements required by the Water Code were included in the SWRP | |
| | 4. Plan describes the internal boundaries within the watershed (boundaries of municipalities; service areas of individual water, wastewater, and land use agencies, including those not involved in the Plan; groundwater basin boundaries, etc.; preferably provided in a geographic information system shape file); |
| <u>References:</u> Only elements required by the Water Code were included in the SWRP | |
| | 5. Plan describes the water quality priorities within the watershed based on, at a minimum, applicable TMDLs and consideration of water body-pollutant combinations listed on the State's Clean Water Act Section 303(d) list of water quality limited segments (a.k.a impaired waters list); |
| <u>References:</u> Only elements required by the Water Code were included in the SWRP | |
| | 6. Plan describes the general quality and identification of surface and ground water resources within the watershed (preferably provided in a geographic information system shape file); |
| <u>References:</u> Only elements required by the Water Code were included in the SWRP | |
| | 7. Plan describes the local entity or entities that provide potable water supplies and the estimated volume of potable water provided by the water suppliers; |
| <u>References:</u> Only elements required by the Water Code were included in the SWRP | |
| | 8. Plan includes map(s) showing location of native habitats, creeks, lakes, rivers, parks, and other natural or open space within the sub-watershed boundaries; and |
| <u>References:</u> Only elements required by the Water Code were included in the SWRP | |
| | 9. Plan identifies (quantitative, if possible) the natural watershed processes that occur within the sub-watershed and a description of how those natural watershed processes have been disrupted within the sub-watershed (e.g., high levels of imperviousness convert the watershed processes of infiltration and interflow to surface runoff increasing runoff volumes; development commonly covers natural surfaces and often introduces non-native vegetation, preventing the natural supply of sediment from reaching receiving waters). |
| <u>References:</u> Only elements required by the Water Code were included in the SWRP | |

WATER QUALITY COMPLIANCE (GUIDELINES SECTION V)

| | | |
|--|--|--------------------|
| <input checked="" type="checkbox"/> | 10. Plan identifies activities that generate or contribute to the pollution of storm water or dry weather runoff, or that impair the effective beneficial use of storm water or dry weather runoff. | 10562(d)(7) |
| <u>References:</u> Section 3.2 (pg. 3-14 to 3-16) | | |
| <input checked="" type="checkbox"/> | 11. Plan describes how it is consistent with and assists in, compliance with total maximum daily load implementation plans and applicable national pollutant discharge elimination system permits. | 10562(b)(5) |
| <u>References:</u> Section 3.1 (pg. 3-1 to 3-12) | | |
| <input checked="" type="checkbox"/> | 12. Plan identifies applicable permits and describes how it meets all applicable waste discharge permit requirements. | 10562(b)(6) |
| <u>References:</u> Section 3.1.4 (pg. 3-12 to 3-14) | | |

ORGANIZATION, COORDINATION, COLLABORATION (GUIDELINES SECTION VI.B)

| | | |
|--|---|--------------------|
| <input checked="" type="checkbox"/> | 13. Local agencies and nongovernmental organizations were consulted in Plan development. | 10565(a) |
| <u>References:</u> Section 4.1 (pg. 4-1 to 4-5) | | |
| <input checked="" type="checkbox"/> | 14. Community participation was provided for in Plan development. | 10562(b)(4) |
| <u>References:</u> Section 4.2 (pg. 4-5 to 4-7) | | |
| | 15. Plan includes description of the existing integrated regional water management group(s) implementing an integrated regional water management plan. | |
| <u>References:</u> Only elements required by the Water Code were included in the SWRP | | |

ORGANIZATION, COORDINATION, COLLABORATION (GUIDELINES SECTION VI.B)

| | |
|--|---|
| | 16. Plan includes identification of and coordination with agencies and organizations (including, but not limited to public agencies, nonprofit organizations, and privately owned water utilities) that need to participate and implement their own authorities and mandates in order to address the storm water and dry weather runoff management objectives of the Plan for the targeted watershed. |
| <u>References:</u> Only elements required by the Water Code were included in the SWRP | |
| | 17. Plan includes identification of nonprofit organizations working on storm water and dry weather resource planning or management in the watershed. |
| <u>References:</u> Only elements required by the Water Code were included in the SWRP | |
| | 18. Plan includes identification and discussion of public engagement efforts and community participation in Plan development. |
| <u>References:</u> Only elements required by the Water Code were included in the SWRP | |
| | 19. Plan includes identification of required decisions that must be made by local, state or federal regulatory agencies for Plan implementation and coordinated watershed-based or regional monitoring and visualization |
| <u>References:</u> Only elements required by the Water Code were included in the SWRP | |
| | 20. Plan describes planning and coordination of existing local governmental agencies, including where necessary new or altered governance structures to support collaboration among two or more lead local agencies responsible for plan implementation. |
| <u>References:</u> Only elements required by the Water Code were included in the SWRP | |
| | 21. Plan describes the relationship of the Plan to other existing planning documents, ordinances, and programs established by local agencies. |
| <u>References:</u> Only elements required by the Water Code were included in the SWRP | |
| | 22. (If applicable) Plan explains why individual agency participation in various isolated efforts is appropriate. |
| <u>References:</u> Only elements required by the Water Code were included in the SWRP | |

QUANTITATIVE METHODS (GUIDELINES SECTION VI.C)

| | |
|--|---|
| | <p>23. For all analyses: Plan includes an integrated metrics-based analysis to demonstrate that the Plan's proposed storm water and dry weather capture projects and programs will satisfy the Plan's identified water management objectives and multiple benefits.</p> <p><u>References:</u> Only elements required by the Water Code were included in the SWRP</p> |
| | <p>24. For water quality project analysis (section VI.C.2.a) Plan includes an analysis of how each project and program complies with or is consistent with an applicable NPDES permit. The analysis should simulate the proposed watershed-based outcomes using modeling, calculations, pollutant mass balances, water volume balances, and/or other methods of analysis. Describes how each project or program will contribute to the preservation, restoration, or enhancement of watershed processes (as described in Guidelines section VI.C.2.a)</p> <p><u>References:</u> Only elements required by the Water Code were included in the SWRP</p> |
| | <p>25. For storm water capture and use project analysis (section VI.C.2.b): Plan includes an analysis of how collectively the projects and programs in the watershed will capture and use the proposed amount of storm water and dry weather runoff.</p> <p><u>References:</u> Only elements required by the Water Code were included in the SWRP</p> |
| | <p>26. For water supply and flood management project analysis (section VI.C.2.c): Plan includes an analysis of how each project and program will maximize and/or augment water supply.</p> <p><u>References:</u> Only elements required by the Water Code were included in the SWRP</p> |
| | <p>27. For environmental and community benefit analysis (section VI.C.2.d): Plan includes a narrative of how each project and program will benefit the environment and/or community, with some type of quantitative measurement.</p> <p><u>References:</u> Only elements required by the Water Code were included in the SWRP</p> |
| | <p>28. Data management (section VI.C.3): Plan describes data collection and management, including: a) mechanisms by which data will be managed and stored; b) how data will be accessed by stakeholders and the public; c) how existing water quality and water quality monitoring will be assessed; d) frequency at which data will be updated; and e) how data gaps will be identified.</p> <p><u>References:</u> Only elements required by the Water Code were included in the SWRP</p> |

| IDENTIFICATION AND PRIORITIZATION OF PROJECTS (GUIDELINES SECTION VI.D) | | |
|--|---|-------------------------------------|
| <input checked="" type="checkbox"/> | 29. Plan identifies opportunities to augment local water supply through groundwater recharge or storage for beneficial use of storm water and dry weather runoff. | 10562(d)(1) |
| <u>References:</u> Section 6.3 (pg. 6-4 to 6-6) | | |
| <input checked="" type="checkbox"/> | 30. Plan identifies opportunities for source control for both pollution and dry weather runoff volume, onsite and local infiltration, and use of storm water and dry weather runoff. | 10562(d)(2) |
| <u>References:</u> Section 6.3 (pg. 6-4 to 6-6) | | |
| <input checked="" type="checkbox"/> | 31. Plan identifies projects that reestablish natural water drainage treatment and infiltration systems, or mimic natural system functions to the maximum extent feasible. | 10562(d)(3) |
| <u>References:</u> Section 6.3 (pg. 6-4 to 6-6) | | |
| <input checked="" type="checkbox"/> | 32. Plan identifies opportunities to develop, restore, or enhance habitat and open space through storm water and dry weather runoff management, including wetlands, riverside habitats, parkways, and parks. | 10562(d)(4) |
| <u>References:</u> Section 6.3 (pg. 6-4 to 6-6) | | |
| <input checked="" type="checkbox"/> | 33. Plan identifies opportunities to use existing publicly owned lands and easements, including, but not limited to, parks, public open space, community gardens, farm and agricultural preserves, school sites, and government office buildings and complexes, to capture, clean, store, and use storm water and dry weather runoff either onsite or offsite. | 10562(d)(5), 10562(b)(8) |
| <u>References:</u> Section 6.3 (pg. 6-4 to 6-6) | | |

| IDENTIFICATION AND PRIORITIZATION OF PROJECTS (GUIDELINES SECTION VI.D) | | |
|--|--|-------------|
| ☒ | 34. For new development and redevelopments (if applicable): Plan identifies design criteria and best management practices to prevent storm water and dry weather runoff pollution and increase effective storm water and dry weather runoff management for new and upgraded infrastructure and residential, commercial, industrial, and public development. | 10562(d)(6) |
| <u>References:</u> Section 6.4 (pg. 6-7) | | |
| ☒ | 35. Plan uses appropriate quantitative methods for prioritization of projects. (This should be accomplished by using a metrics-based and integrated evaluation and analysis of multiple benefits to maximize water supply, water quality, flood management, environmental, and other community benefits within the watershed.) | 10562(b)(2) |
| <u>References:</u> Section 5.2 (pg. 5-2 to 5-4) | | |
| | 36. Overall: Plan prioritizes projects and programs using a metric-driven approach and a geospatial analysis of multiple benefits to maximize water supply, water quality, flood management, environmental, and community benefits within the watershed. | |
| <u>References:</u> Only elements required by the Water Code were included in the SWRP | | |
| | 37. Multiple benefits: Each project in accordance with the Plan contributes to at least two or more Main Benefits and the maximum number of Additional Benefits as listed in Table 4 of the Guidelines. (Benefits are not counted twice if they apply to more than one category.) | |
| <u>References:</u> Only elements required by the Water Code were included in the SWRP | | |

IMPLEMENTATION STRATEGY AND SCHEDULE (GUIDELINES SECTION VI.E)

| | | |
|--|---|---------------------------|
| | <p>38. Plan identifies resources for Plan implementation, including: 1) projection of additional funding needs and sources for administration and implementation needs; and 2) schedule for arranging and securing Plan implementation financing.</p> | |
| <p><u>References:</u> Only elements required by the Water Code were included in the SWRP</p> | | |
| <input checked="" type="checkbox"/> | <p>39. Plan projects and programs are identified to ensure the effective implementation of the storm water resource plan pursuant to this part and achieve multiple benefits.</p> | <p>10562(d)(8)</p> |
| <p><u>References:</u> Section 7.1 & 7.3 (pg. 7-1 to 7-2)</p> | | |
| <input checked="" type="checkbox"/> | <p>40. The Plan identifies the development of appropriate decision support tools and the data necessary to use the decision support tools.</p> | <p>10562(d)(8)</p> |
| <p><u>References:</u> Section 7.2 (pg. 7-2)</p> | | |
| | <p>41. Plan describes implementation strategy, including:</p> <ul style="list-style-type: none"> a) Timeline for submitting Plan into existing plans, as applicable; b) Specific actions by which Plan will be implemented; c) All entities responsible for project implementation; d) Description of community participation strategy; e) Procedures to track status of each project; f) Timelines for all active or planned projects; g) Procedures for ongoing review, updates, and adaptive management of the Plan; and h) A strategy and timeline for obtaining necessary federal, state, and local permits. | |
| <p><u>References:</u> Only elements required by the Water Code were included in the SWRP</p> | | |
| <input checked="" type="checkbox"/> | <p>42. Applicable IRWM plan: The Plan will be submitted, upon development, to the applicable integrated regional water management (IRWM) group for incorporation into the IRWM plan.</p> | <p>10562(b)(7)</p> |
| <p><u>References:</u> Section 7.4 (pg. 7-2)</p> | | |
| | <p>43. Plan describes how implementation performance measures will be tracked.</p> | |
| <p><u>References:</u> Only elements required by the Water Code were included in the SWRP</p> | | |

EDUCATION, OUTREACH, PUBLIC PARTICIPATION (GUIDELINES SECTION VI.F)



44. Outreach and Scoping:
Community participation is provided for in Plan implementation.

10562(b)(4)

References:

Section 8.1 (pg. 8-1)

45. Plan describes public education and public participation opportunities to engage the public when considering major technical and policy issues related to the development and implementation.

References:

Only elements required by the Water Code were included in the SWRP

46. Plan describes mechanisms, processes, and milestones that have been or will be used to facilitate public participation and communication during development and implementation of the Plan.

References:

Only elements required by the Water Code were included in the SWRP

47. Plan describes mechanisms to engage communities in project design and implementation.

References:

Only elements required by the Water Code were included in the SWRP

48. Plan identifies specific audiences including local ratepayers, developers, locally regulated commercial and industrial stakeholders, nonprofit organizations, and the general public.

References:

Only elements required by the Water Code were included in the SWRP

49. Plan describes strategies to engage disadvantaged and climate vulnerable communities within the Plan boundaries and ongoing tracking of their involvement in the planning process.

References:

Only elements required by the Water Code were included in the SWRP

50. Plan describes efforts to identify and address environmental injustice needs and issues within the watershed.

References:

Only elements required by the Water Code were included in the SWRP

51. Plan includes a schedule for initial public engagement and education.

References:

Only elements required by the Water Code were included in the SWRP

DECLARATION AND SIGNATURE

I declare under penalty of perjury that all information provided is true and correct to the best of my knowledge and belief.



Executive Director

5/29/2020

Authorized Signature

Title

Date

Authorized Signature

Title

Date

San Luis & Delta-Mendota Water Authority

Appendix B: Stakeholder List

Appendix B contains the stakeholder list for the WSJ SWRP.

| Stakeholder Organization | Last Name | First Name |
|--|--------------|-------------|
| Adams Ashby Group | Ashby | Paul |
| Aliso Water District | Catania | Roy |
| Aliso Water District GSA | Iger | Rick |
| Aliso WD/Wonderful Orchards | Brown | Kimberly |
| Alta Irrigation District | Wegley | Chad |
| AM Consulting Engineers / City of Huron | Manrique | Alfonso |
| American River Basin | Swartz | Rob |
| Angiola Water District | Hurley | Matthew |
| Azcal Management Co. | Sheely | Ted |
| Baker Farming | Stilwell | Jim |
| Ballico Community Water Service District | Jimenez | Manuel |
| Ballico-Cortez Water District | Yamamoto | Victor |
| Banta-Carbona ID | McLeod | James |
| Banta-Carbona ID | Weisenberger | David |
| Blewett Mutual Water Company | Bettencourt | Richard |
| Britz/Colusa | Kiggins | Quentin |
| Britz/Colusa; Britz/Five Point System | Sagariballa | Joey |
| Broadview WD | Birmingham | Thomas |
| Broadview WD | Gutierrez | Jose |
| Bureau of Reclamation (Central Valley Operations Office) | Rieker | Jeff |
| Byron Bethany ID/CVPSA | Gilmore | Rick |
| California Division of Drinking Water - District 23 (Fresno) | Robledo | Jose |
| Cantua Creek Vineyards, IV, LLC | Canela | Frank |
| Cardno | Horne | Mark |
| Casaca Vineyards | Kinser | Bobbie |
| Central California ID | Hill | Kyle |
| Central California ID | Martin | Jarrett |
| Central California ID | Rogers | Christopher |
| Central California ID | Rosin | Tracey |
| Central California ID | White | Chris |
| Central Delta Water Agency | Nomellini | Dante |
| Central Delta-Mendota Multi-Agency GSA | Cadena | Juan |
| Central Delta-Mendota Multi-Agency GSA | Guzman | Christine |
| Central Delta-Mendota Multi-Agency GSA | Mizuno | Frances |
| Central Delta-Mendota Multi-Agency GSA | Montgomery | Amy |
| Central Delta-Mendota Multi-Agency GSA | Soares | Bill |
| Central Delta-Mendota Region Multi-Agency GSA | Barcellos | Aaron |
| Central Valley Regional Water Quality Control | Soto | Bethany |
| Chowchilla Water District | Welch | Doug |
| Chowchilla-Red Top Resource Conservation District | Habben | Jeannie |
| City of Avenal | Santillan | Fernando |
| City of Avenal | Whitten | Melissa |
| City of Dos Palos | Pecchenino | Garth |

| Stakeholder Organization | Last Name | First Name |
|---|----------------|------------|
| City of Firebaugh | Gallegos | Ben |
| City of Firebaugh | Gouveia | Mario |
| City of Gustine | Dunford | Doug |
| City of Gustine WSA | Wright | Steve |
| City of Huron | Castro | Jack |
| City of Los Banos | Fachin | Mark |
| City of Los Banos | Lloyd | Royal |
| City of Mendota | Dimaggio | Vince |
| City of Mendota | Gonzalez | Cristian |
| City of Newman | Holland | Michael |
| City of Patterson | Encinas | Maria |
| City of Patterson | Irwin | Ken |
| City of Patterson GSA | Ulloa | Fernando |
| City of Patterson GSA | Willett | Mike |
| City of San Joaquin | Nunez | Elizabeth |
| City of Tracy | Bayley | Steve |
| City of Tracy | Macintire | Ilene |
| City of Tracy | Reyna-Hiestand | Stephanie |
| Coit Ranch Corporation | Coit | William |
| Columbia CC | Houk | Randy |
| Community member | Beam | John |
| Community member | Beecher | Jeff |
| Community member | Cerutti | Patrick |
| Community member | Dean | Jason |
| Community member | Herger | Burta |
| Community member | Jacoby | Bill |
| Community member | Janes | Nick |
| Community member | Kaiser | Steve |
| Community member | Kapheim | Chris |
| Community member | Layne | Lauren |
| Community member | Martin | Peter |
| Community member | Martin | Philip |
| Community member | Meyers | Marvin |
| Community member | Nitschke | Mica |
| Community member | Ramos | Cruz |
| Community member | Roberts | Reid |
| Community member | Roos | Vince |
| Community member | Skinner | Roger |
| Community member | Wackman | Michael |
| Community member | Whitehurst | Tony |
| Community member | Whitten | Melissa |
| Community Water Center | Lukacs | Heather |
| Consolidated Irrigation District | Desatoff | Phil |
| Contra Costa County Water Agency | Hernandez | Ryan |
| Council for Watershed Health | Elswick | Darla |
| County of Fresno/Cantua Creek CDP/Three Rocks | Artal | Sebastian |

| Stakeholder Organization | Last Name | First Name |
|---|-----------------------------------|------------|
| Crows Landing | Payan | Connie |
| Crows Landing CSD | Lopez | Ignacio |
| Crows Landing CSD | Perry | Lance |
| Crows Landing CSD and Westley CSD | Sanguinetti | Coleen |
| CV-Salts Coalition | Cozad | Daniel |
| Dbeso | Keller | Kurtis |
| Del Puerto WD | Hansen | Anthea |
| Del Puerto WD | Scheuber | Adam |
| Delhi County Water District | Perry | Stephany |
| Department of Fish and Wildlife | Gordus | Andy |
| Department of Water Resources | Preece | Jason |
| Diablo WD | Muelrath | Dan |
| Dos Palos Y Auction Yard (CDP) | Generic organization contact info | |
| Eagle Field WD and White Area | Miles | Randall |
| East Acres Mutual Water Company | Generic organization contact info | |
| East Contra Costa County | Dutton | Maggie |
| East Contra Costa County | Seedall | Mark |
| East Contra Costa ID | Corey | Pat |
| East Stanislaus IRWM - Steering Committee Member | | Jim |
| | Alves | |
| East Stanislaus Resources Conservation District | Anderson | Chester |
| Eastin WD | Craven | Grant |
| El Solyo WD | Trinkle | Janice |
| Environmental Defense Fund | Garcia | Lucia |
| Environmental Justice Coalition for Water | Bailey | Colin |
| ESA (Consultant for SJR RFMP) | Schaefer | Minta |
| Farmers Water District and Sierra Valley Almonds, LLC | | Mark |
| | Turmon | |
| Farming D | Schmidt | Scott |
| Firebaugh Canal WD | Medeiros | Madison |
| Firebaugh CWD | Bryant | Jeff |
| Firebaugh CWD | Stearns | Michael |
| Five Points Ranch | Galvan | Armando |
| Fresno County | Allen | Glen |
| Fresno County | Ramirez | Augustine |
| Fresno County Farm Bureau | Generic organization contact info | |
| Fresno Irrigation District | Serrato | Gary |
| Grassland WD | Gardner | Mike |
| Grasslands Groundwater Sustainability Agency | Kocher | Rob |
| Grasslands Groundwater Sustainability Agency | Ortega | Ric |
| Grasslands Groundwater Sustainability Agency | Swanson | Ken |
| Grasslands Groundwater Sustainability Agency | Wehr | Ellen |
| Gravelly Ford WD | Roberts | Don |
| Grayson | Payan | Connie |
| Griffiths & Masuda | Masuda | Roger |

| Stakeholder Organization | Last Name | First Name |
|--|-----------------------------------|------------|
| Harris Farms Headquarters Harris Farms South #101-144 | Casey | Mike |
| Helm School | Ramirez | Aurora |
| Henry Miller R.D. 2131 | Cannon | Michael |
| Henry Miller R.D. 2131 | Hurley | Chase |
| Herum, Crabtree, Suntag LLP | Zolezzi | Jeanne |
| James ID | Chaney | Thomas W. |
| James ID | Stadler | Steve |
| James Irrigation District; Reclamation District 1606 | Mallyon | John |
| Kern County IRWM Region | Generic organization contact info | |
| Kings Basin IRWM Region | Generic organization contact info | |
| Laguna ID | Sills | Scott |
| Las Deltas Mutual Water Co. | Ward | Tim |
| Lawer/City of Antioch | Emrick | Matt |
| Linden County Water District | Powell | Clifford |
| Linneman Law, LLP | McMurray | Phil |
| Linneman Law/Panoche WD | del Gado | Gabriel |
| Local Government Commission | Podolsky | Laura |
| Luhdorff & Scalmanini | Halligan | Will |
| Madera | Janzen | Carl |
| Madera | Smith | Sean |
| Madera County | Anagnoson | Stephanie |
| Madera County | Kephart | Annette |
| Madera ID | Greci | Thomas |
| Manufacturer's Council of the Central Valley (MCCV) | Shipman | Jennifer |
| MCDC Board Member | Jackman | Denny |
| Mendota Pool Group | Pipes | Bill |
| Merced County | Kiriakou | Lacey |
| Merced County | Maxey | Steve |
| Merced County | Rowe | Ron |
| Merced County Ag Commissioner | Robinson | David A. |
| Merced County Farm Bureau | Ramos | Breanne |
| Merced ID | EITal | Hicham |
| Mercy Springs WD | Gleason | Brad |
| Midway Community Services District | Campos | Dora |
| Midway Community Services District | Hunter | Abby |
| Murrieta/Hernandez Farms | Thomas | Tyler |
| Naglee Burk ID | Mehlhaff | Robert |
| Nature Conservancy | Jensen | Laura |
| Newman Drainage District | Hay | Dennis L. |
| North Fork Kings | Osterling | Eric |
| Northwestern Delta-Mendota GSA | Ward | Walter |
| Oak Flat WD | Beltran | John |
| Oakdale ID | Knell | Steve |
| O'Laughlin & Paris LLP | Kincaid | Valerie |

| Stakeholder Organization | Last Name | First Name |
|--|-----------------------------------|------------|
| Orchard Restaurant RV Park | Generic organization contact info | |
| Oro Loma Water District | Sloan | Steve |
| Pacheco WD | LeVake | Lance |
| Pacific Gas & Electric | Generic organization contact info | |
| Panoche WD | Azhderian | Ara |
| Panoche WD | Bennett | John |
| Panoche WD | Linneman | Michael |
| Pappas & Co (Coalinga) | Pappas | George |
| Patterson ID | Lucchesi | Vince |
| Patterson ID | Trinta | Steve |
| Patterson Irrigation District GSA | Vanden | Marc |
| Peck Ranch | Baker | David |
| Peters Engineering | Peters | David |
| Pleasant Valley WD | Stiefvater | Rod |
| Pleasant Valley WD (Provost & Pritchard) | Monreal | Calvin |
| Provost & Pritchard | Hopkins | Joe |
| Provost & Pritchard | Palys | Kait |
| Provost & Pritchard / SLDMWA | Howard | Claire |
| RD 2031 (aka Elliot) | Lyons, Jr | William |
| RD 2063 (aka Crows Landing) | Sallaberry | Joe |
| RD 2091 (aka Chase) | Trinkler | Wendel |
| RD 2101 (aka Blewett) | Coddington | James |
| Reclamation District 1606 | Wiersma | John |
| Red Fern Ranch | Fausone | Steve |
| River Islands | Alameda | Ryan |
| River Partners | Boberg | Maggie |
| Root Creek WD | Berry | Julia |
| Root Creek WD | Bruno | Nick |
| San Andreas Farms | Nunn | Stan |
| San Joaquin County | Callahan | Mike |
| San Joaquin River Club Inc. | Hedge | San |
| San Joaquin River Exchange Contractors Water Authority | Chedester | Steve |
| San Luis Canal Company | Paolini | Alejandro |
| San Luis WD | Diedrich | William |
| San Luis WD | Fenters | Ben |
| San Luis WD | Martin | Lon |
| Santa Clara Valley Water District | Garcia | Andrew |
| Santa Clara Valley Water District | Jacobson | Dana |
| Santa Clara Valley Water District | Slayton | Ranithri |
| Self-Help Enterprises | Lopez-Narvaez | Ilse |
| Self-Help Enterprises | Alhomedi | Sal |
| Self-Help Enterprises | Herrera | Maria |
| San Luis & Delta-Mendota Water Authority | Harris | Seth |
| Sommerville Almond Tree Owner | Singh | Joginer |

| Stakeholder Organization | Last Name | First Name |
|---|-----------------------------------|------------|
| South Delta Water Agency | Herrick | John |
| South Dos Palos County Water District | Montes | Jeannine |
| South San Joaquin ID | Rietkerk | Peter |
| Stanislaus County | Gilton | Dhyan |
| Stanislaus County | Machado | Matt |
| Stanislaus County Ag Commissioner | Generic organization contact info | |
| Stanislaus County Farm Bureau | Generic organization contact info | |
| Stanislaus Local Agency Formation Commission | Lytle-Pinhey | Sara |
| Stantec | Pringle | Kirsten |
| State Water Resources Control Board | Joplin | Spencer |
| Storm Water Consulting, Inc. | Nelson | James |
| Summers Engineering, Inc. | Linneman | Chris |
| Terra Linda Farms / Terra Linda Mutual Water Company | Coelho | Joe |
| Terra Linda Farms / Terra Linda Mutual Water Company | Holland | Dave |
| Terra Nova Ranch | Cameron | Don |
| Tranquility ID | Pucheu | Bill |
| Tranquillity Irrigation District | Reeves | Liz |
| Tranquillity Irrigation District | Wade | Danny |
| Tranquillity Irrigation District | Wade | Rodney |
| Tranquillity Public Utility District | Siliznoff | Laurie |
| Turner Island WD | Skinner | Donald |
| Twin Oaks ID; RD 1602 (aka Del Puerto) | Roberts | Dan |
| Underrepresented community (not covered by IRWM Region) | Azevedo | Joe |
| Underrepresented community (not covered by IRWM Region) | Cozart | Jennifer |
| Underrepresented community (not covered by IRWM Region) | Lara | Julie |
| Underrepresented community (not covered by IRWM Region) | Lopes | Jim |
| Underrepresented community (not covered by IRWM Region) | Stockman | John |
| Underrepresented community (not covered by IRWM Region) Landowner | Arambel | Jeff |
| US Fish and Wildlife Service (Region 8) | Fris | Mike |
| Volta Community Services District and Hillsview Homes | Leonard | Johnny |
| Water Wise / Pleasant Valley Water District | Woolf | Sarah |
| Water Wrights | Wright | Don |
| West Stanislaus ID | Pierce | Bobby |
| Westlands WD | Bourdeau | William |
| Westlands WD | Campbell | Kiti |
| Westlands WD | Gutierrez | Jose |
| Westlands WD | Peracchi | Don |

| Stakeholder Organization | Last Name | First Name |
|---------------------------|-------------|------------|
| Westlands WD | Solorio | Antonio |
| Westlands WD | Vang | David |
| Westley CSD | Bravo | Tony |
| Westside Harvesting | Hannah | Mike |
| Westside ID | Kaiser | David |
| Westside-San Joaquin | Akroyd | Rebecca |
| White Lake MWC | DelDon | Leroy |
| Widren ID and White Area | Sagouspe | Jean |
| Widren Water District GSA | Aragona | Damian |
| Woodard & Curran | Kidson | Jennifer |
| Woodard & Curran | Wilcox | Lindsey |
| Woodbridge ID | Christensen | Anders |
| Zone 7 Water Agency | Mahoney | Carol |

Appendix C - Project Information and Prioritization

Appendix C contains materials summarizing the projects submitted during the 2020 WSJ SWRP project solicitation period, as well as information on project prioritization and scoring.

| Content | Page Number |
|--|-------------|
| Project Summaries This section summarizes projects submitted, including proponent, project description, project type, primary benefit, and overall project score. | C-2 |
| Project Score Details This sheet shows the detailed scores assigned to each project for each criterion. | C-8 |
| Priority Project Opportunities This sheet shows which projects would implement the five priority project opportunities in accordance with Water Code Requirements. | C-10 |
| Project Information Form Blank project information form showing the information requested from project proponents in Opti. | C-11 |

| Project Name | Project Proponent | Project Description | Score | Project Status | Benefit Categories Met |
|---|--------------------------------|--|-------|----------------|---|
| Recharge Site Investigation & Groundwater Banking Project | Pleasant Valley Water District | The PVWD Recharge Site Investigation and Groundwater Banking Project is intended to meet the challenges of groundwater storage and the regional needs of the aquifer's beneficial users. The project is considered in response to an evolving understanding of groundwater security in the Pleasant Valley Basin through SGMA and the CASGEM re-designation from a Low Priority Groundwater Basin to a Medium Priority Basin. The Basin involves two primary phases. Phase 1. Recharge Site Investigation: evaluation of potential recharge sites in Pleasant Valley Water District is expected to include initial hydrogeological research, exploratory drilling and pilot scale percolation tests. Groundwater quality will be evaluated during this phase. Phase 2. Groundwater Banking: Using the findings from Phase 1, recharge basins are anticipated to be constructed in the areas best suited for recharge. | 60 | Under Design | Water Quality, Flood Management, Environmental, Community |
| Tracy Nature Park | City of Tracy | The Tracy Nature Park is located on an 86-acre city-owned site just south of Legacy Fields, north of the Larch Clover community, east of Corral Hollow Road and west of N Tracy Boulevard. The conceptual plan for Tracy Nature Park is to build a framework which allows 'nature' to be the actor, instead of trying to control nature. Structured walkways adjacent to wind-breaks would parallel the existing cultural context of the Central Valley and provide a means for protected access while elevating users from sensitive habitat areas. The landscape would be allowed to flow below the walks. Earth moving would emphasize variety allowing for the maximum number of habitats to emerge, as well as providing potential flood protection for the Larch Clover community. The exact morphology of habitat zones would evolve alongside a dynamic site hydrology similar to the site's native state, resulting an ever-changing environment. | 58 | Conceptual | Water Quality, Flood Management, Environmental, Community |
| Mendota Stormwater Improvement Project | City of Mendota | The Project is located in the northeast portion of the City and includes a detention basin, LID trees; and, conventional storm water infrastructure, which will function together to capture, slow and treat dry weather and storm water runoff to mitigate the effects of urbanization. Primary Project objectives include improved quality and quantity of groundwater supply for the Delta-Mendota Subbasin and a decrease in flooding risk that currently impacts public safety and property along city streets. Secondary Project objectives include increased urban greening for community livability; creation of employment opportunities associated with Project construction and long-term maintenance; mitigation of climate change impacts; and, increased community awareness concerning water and other natural resources. The project benefits the economically disadvantaged community of Mendota. Private property easements are required to implement the project. | 50 | Conceptual | Water Quality, Water Supply, Flood Management, Environmental, Community |
| City of Patterson Full Trash Stormwater Capture System | City of Patterson | This project will address the full trash capture regulations set by the Water Resources Control Board (Water Board) through the Phase II MS4 Permit (Order No. 2013-0001-DWQ). These regulations establish a water quality objective for trash and prohibition of trash discharge to surface waters of the State (San Joaquin River). The City has selected Track 1, indicating the intent to install, operate, and maintain Full Capture Systems for the storm drain network that captures runoff from the Priority Land Uses. Project completion will include the installation of a Regional Full Trash Capture device to comply with the State's 13267 Compliance Orders dated June 1, 2017. The design will also consist of capturing trash from stormwater runoff (1-year, 1-hour storm event) in compliance with the California State Water Resources Control Board. | 43 | Under Design | Water Quality, Water Supply, Flood Management, Environmental, Community |

| Project Name | Project Proponent | Project Description | Score | Project Status | Benefit Categories Met |
|---|--------------------------------|---|-------|----------------|---|
| Pleasant Valley Water District Groundwater Recharge Project | Pleasant Valley Water District | The District is proposing a groundwater recharge facility in Fresno County, near the city of Coalinga and Los Gatos Creek. The project would be approximately 20-acres, and will store excess flood flows during wet weather events for in-lieu recharge use within the District, supporting local user needs. Portions of Los Gatos Creek may be restored in conjuncture with the project to optimize the performance of the recharge facility, while also improving the habitat and function of the stream corridor. This Project will provide a regional benefit by maintaining water use capacity within the district through in-lieu recharge using previously underutilized flood flows, and may reduce downstream flood flows during wet weather events. | 41 | Under Design | Water Supply, Flood Management, Environmental, Community |
| Orestimba Creek Recharge and Recovery Project (OCRPP) | Del Puerto Water District | Phase 1 is a pilot project that includes the construction of two 10-acre ponds, enlarging the existing canal to convey 10 cfs, construct two (2) monitoring wells (250 feet deep) and construction of one (1) production well, scheduled for construction soon. Phase 2 includes the construction of 60 acres of additional recharge ponds, a diversion point out of Orestimba Creek, pipelines from Orestimba Creek and the Delta-Mendota Canal to the recharge facilities and 5 recovery wells and associated appurtenances and pipelines along the project site between the DMC and the Eastin Water District boundary and along the CCID Main Canal. The project would receive flood flows from both the San Joaquin and Kings Rivers together with surface water from Orestimba Creek, CCID and/or Del Puerto Water District (DPWD). The DMC as well as a proposed pipeline from Orestimba Creek would be used to convey the water to the project site. | 40 | Conceptual | Water Quality, Water Supply, Environmental |
| City of Huron Groundwater Supply Well and Recharge Project | City of Huron | The project will be located in the City of Huron. The project consists of constructing a new groundwater well near the surface water treatment plant. Groundwater produced by the well will be blended with surface water from the California Aqueduct and treated at the City's surface water treatment facility. In wet years, the City will divert water from the pipeline that conveys surface water into the treatment plant into four unused wastewater percolation ponds. The diverted water will be allowed to percolate into the groundwater for recharge. | 36 | Under Design | Water Quality, Water Supply, Flood Management, Environmental, Community |
| Above Ground Storage Project | Westlands Water District | The Above Ground Storage Project (Project) consist of a 31,700 AF surface storage reservoir on District-owned land, east of HWY 33 in between Lateral 6 and 7 (L6/7). The Project would be utilized to store water from a variety of sources, including CVP contract water, rescheduled water, surplus water, and water from other sources including flood flows, and from other CVP supplies made available in the Mendota Pool. In general, the Project would consist of building levees to create above ground storage on the project site, building interconnections to tie the cells of the reservoir together, constructing gated inlet structures from L6/7, and modifying an existing channel to convey water from the project outlet to the Mendota Pool. Stored water supplies would either be exchanged in the Mendota Pool with the Exchange Contractors or other CVP contractors, or pumped back into the District via L6/7 for redistribution within the District through the District's delivery system. | 34 | Planning | Water Quality, Water Supply, Flood Management, Environmental, Community |

| Project Name | Project Proponent | Project Description | Score | Project Status | Benefit Categories Met |
|--|---------------------------------|--|-------|----------------|---|
| Tranquility Irrigation District Stormwater Project | Tranquility Irrigation District | The project will eliminate or greatly reduce the risk of severe stormwater flooding across 6,300+ acres of farmland and homes in and around the community of Tranquility. The project will include replacement of a temporary barrier in the Fresno Slough and adjacent levee with a new engineered levee and barrier. | 34 | Conceptual | Water Quality, Water Supply, Flood Management, Environmental, Community |
| Del Puerto Canyon Reservoir | Del Puerto Water District | The proposed Del Puerto Canyon Reservoir involves the construction and operation of a reservoir on Del Puerto Creek to provide approximately 82,000 acre-feet (AF) of new off stream storage to the project partners, Del Puerto Water District and Central California Irrigation District, as well as, the Central Valley Project (CVP). Project components are the reservoir (including the main dam, three saddle dams and other facilities), conveyance facilities to transport water to/from the Delta-Mendota Canal (DMC) (including a pipeline and pumping plant), electrical facilities, relocation of Del Puerto Canyon Road, and relocation of existing and proposed utilities that are within the project area. | 31 | Under Design | Water Supply, Flood Management, Community |
| Hospital Creek Stormwater Capture for Groundwater Recharge Pilot Project | Del Puerto Water District | This project would divert excess storm flows from Hospital Creek for storage in existing, unused gravel pits from the adjacent Granite Construction quarry. The project would look to construct the necessary infrastructure to divert storm flows from the creek and convey it to the existing quarry pits for percolation into the groundwater aquifer. Construction would also include monitoring wells for determining effectiveness of the recharge. | 31 | Under Design | Water Supply, Flood Management, Community |
| Lateral Inter-Connection Project | Westlands Water District | Westlands Water District (WWD) is proposing the Lateral Inter-Connection project, which connects laterals 4, 5, and 6 to achieve a higher efficiency distribution system for the area, meet water demands, and provide operational flexibility. Laterals 4, 5, and 6 run along North Ave, Central Ave, and American Ave, respectively. The proposed interconnection consists of upgrading PP6-2 to reverse flow in the San Luis Canal and of two pipelines parallel to San Bernardino Ave connecting to Laterals 4 and 6, and Washoe Ave connecting all three laterals. | 31 | Planning | Water Supply, Flood Management, Environmental, Community |
| Santa Fe Canal Water Storage and Groundwater Recharge B | Grassland Water District | The project would convert existing agricultural land to water storage and recharge basins that would also provide new wetland and upland habitat adjacent the Grassland Resource Conservation District (GRCD) and the Grassland Water District (GWD). The approximately 400-acre project site is located one mile north of the City of Los Banos adjacent to and on the north side of the Santa Fe Canal (SFC) and adjacent to and on the west side of Highway 165 (Merced Springs Road). The project site is bounded by managed wetlands within the GWD on the north. The project would convert land use from agricultural production to water storage and groundwater recharge basins. Excess water in the GWD-owned SFC would be routed into the basins for temporary storage and groundwater recharge. Stored water would then be released when it could meet demand within the GWD. Water could include stormwater, GWD maintenance flows and GWD contract water. The Project could develop 2,000-5,000 AF/year of new water. | 31 | Conceptual | Water Supply, Flood Management, Environmental |

| Project Name | Project Proponent | Project Description | Score | Project Status | Benefit Categories Met |
|---|--------------------------------|--|-------|------------------|---|
| Aquifer Storage and Recovery Project | Westlands Water District | The proposed Aquifer Storage and Recovery (ASR) program will allow for temporary storage in the Westside Subbasin's aquifers. The District's ASR program consists of obtaining a permit from the Regional Water Quality Control Board, developing an on-farm operations plan, and rehabilitating/retrofitting wells. The ASR program will target wells where the Corcoran Clay Layer is present and will provide approximately 200,000 AF in aquifer storage South of the Delta. Operations includes injecting filtered surface water into the upper and lower aquifers for storage, which is later recovered for use. Proposed water types include capturing flood flows and water types at risk for spill in the San Luis Reservoir. | 29 | Ready to Proceed | Water Supply, Flood Management, Environmental |
| Pleasant Valley Water Banking Project-Section 31 | Pleasant Valley Water District | The Water Banking Project is located just east of Coalinga within Section 31 with the goal of bringing additional surface water supplies into the PVWD area to help achieve sustainability. The existing conveyance system (Coalinga Canal) off the San Luis Canal was built to divert water to the PVWD area but was never fully developed. The landowners are reliant on groundwater, and in response to implementation of SGMA, the District must now develop the delivery system into PVWD. In wet years, water can be diverted from the Coalinga Canal via the proposed pump station to the Banking Project at a capacity of 120 cfs. The water will be conveyed into a 60-inch diameter approximate 6-mile PVC pipeline and will be delivered to the banking location as well as turnout installed along the pipeline for direct use when surface water is available. Minimal project obstacles are anticipated as the pipeline route is through existing farmed areas and are typical with those of permitting for construction. | 29 | Planning | Water Quality, Water Supply, Flood Management |
| Water Recharge Project - Los Gatos Creek Gravel Pit | Pleasant Valley Water District | The Project will maintain sustainable groundwater levels while supplying the necessary amount of water for municipal use and agriculture. The goal is to recharge the aquifer by capturing excess surface runoff from rain events. The project would be approximately 20-acres and store excess flood flows during wet weather events for in-lieu recharge within the District, and at a capacity of approximately 1,500 Acre Feet. By diverting flood water there is an added benefit of flood mitigation and sediment buildup prevention. Portions of Los Gatos Creek may be restored in conjuncture with the project to optimize the performance of the recharge facility, while also improving the habitat and function of the stream corridor. A headwall and canal gate on the side of Los Gatos Creek and concrete channel to pipeline drop and energy dissipater will result in excess of 7 cfs and up to 70 cfs flow to be diverted into the existing infiltration basin. The basin site contains soils ideal for infiltration. | 26 | Planning | Water Quality, Flood Management, Community |
| Crescent Canal Project | Westlands Water District | Westlands Water District (District) is proposing the Crescent Canal Project (Project) to enhance water supply reliability of the District. The Crescent Canal is a water conveyance canal that is 22 miles long flowing northwest from the Main Diversion off the Kings River. The purpose of the Project is to capture flood flows from the Kings River via the Crescent Canal and deliver flood flows in the District to meet demands. The proposed Project improvements include Crescent Canal banks and structures modifications, pipelines connecting the Crescent Canal to the WWD laterals, and construction of up to four reservoirs in the District. The proposed Project will improve Crescent Canal's capacity to 330 cfs, provide 15,500 AF in storage and results in average water supply of up to 13,500 AF . | 25 | Ready to Proceed | Water Supply, Flood Management, Community |

| Project Name | Project Proponent | Project Description | Score | Project Status | Benefit Categories Met |
|--|-------------------------------|--|-------|----------------|--|
| Fialho Water Storage and Recharge Basins | Grassland Water District | The project would convert existing range land to water storage and recharge basins that would also provide new wetland and upland habitat adjacent the Grassland Resource Conservation District (GRCD) and the Grassland Water District (GWD). The approximately 600-acre project site is located 8 miles SE of Los Banos adjacent to and on the north side of the CCID Main Canal. The project site is bounded by managed wetlands within the GWD on the north and east. The project would convert range land to water storage and groundwater recharge basins. Excess water in the Main Canal would be routed into the basins for temporary storage and groundwater recharge. Stored water would then be released when it could meet demand within the GWD. Water could include stormwater and GWD contract water. The Project could develop 2,000-5,000 AF/year of new water. | 25 | Under Design | Water Supply, Flood Management |
| Lateral 13 Intertie Project | Westlands Water District | Westlands Water District (WWD) is proposing the Lateral 13 Intertie Project (Project), which connects Lateral 13 to the Tranquility Irrigation District's (TID) Slough Canal, to improve water supply reliability. WWD is proposing to convey transfers (up to 8,500 AF) from TID via the Project. The Lateral 13 Intertie is located at the intersection of Dinuba Avenue and Amador Avenue. The proposed pipeline intertie would connect TID with two sub laterals on WWD's Lateral 13, which are located 1 mile and 1.5 miles west of TID. The Project includes a third pipeline connection from WWD's Lateral 13 to 14 to increase operational flexibility of the Project. Replacement of TID Lift Station #5, addition of a new tank, and two new booster pumps within Lateral 13 conveyance system are required to implement the proposed project effective and sustainable. | 24 | Planning | Water Supply, Flood Management, Environmental, Community |
| PID Groundwater Bank Phase 2 - Design and Construction | Patterson Irrigation District | <p>Patterson Irrigation District wants to conduct a District-wide conceptual level feasibility study to evaluate if a groundwater bank is a viable option to pursue. If it is determined that a groundwater banking project is feasible in Phase 1, Phase 2 will involve the design and construction of the groundwater bank.</p> <p>A groundwater bank project could provide many benefits to Patterson ID and the surrounding regions. The project could: provide for more reliable water supply south of the Delta, improve regional self-reliance for water, promote the needs of the disadvantaged community of Patterson, maximize the utility of regional aquifers while improving sustainability, minimize the impacts of significant storm events, capture stormwater for higher beneficial use, protect and enhance the quality of water supply, increase operational flexibility, and enhance water conservation, water use efficiency, and sustainable water use.</p> | 24 | Conceptual | Water Supply, Flood Management, Environmental |
| PID Groundwater Bank Phase 1 - Feasibility | Patterson Irrigation District | <p>Patterson Irrigation District wants to conduct a District-wide conceptual level feasibility study to evaluate if a groundwater bank is a viable option to pursue. Phase 1 of this project is the feasibility study. If it is determined that a groundwater banking project is feasible, Phase 2 will involve the design and construction of the groundwater bank.</p> <p>A groundwater bank project could provide many benefits to Patterson ID and the surrounding regions. The project can: provide for more reliable water supply south of the Delta, improve regional self-reliance for water, promote the needs of the disadvantaged community of Patterson, maximize the utility of regional aquifers while improving sustainability, minimize the impacts of significant storm events, capture stormwater for higher beneficial use, protect and enhance the quality of water supply, increase operational flexibility, and enhance water conservation, water use efficiency, and sustainable water use.</p> | 22 | Under Design | Water Supply, Environmental |

| Project Name | Project Proponent | Project Description | Score | Project Status | Benefit Categories Met |
|--|--------------------------------|---|-------|----------------|---|
| Little Salado Creek Groundwater Recharge and Flood Control Basin | Stanislaus County | Construction of a stormwater detention basin to partially divert, retain and percolate up to 270 cubic feet per second (cfs) of flow from Little Salado Creek. This basin will be located in the future Crows Landing Industrial Business Park and will have a capacity of 380 acre-feet. | 21 | Conceptual | Water Supply, Flood Management, Environmental |
| Newman Environmental Wetland System (NEWS) | City of Newman | The Newman Environmental Wetland System (NEWS) is a multi-benefit storm water project located within a 78-acre city-owned parcel. NEWS consists of a 10-acre constructed wetland system (trash rack, sediment forebay, vegetated ponds) to reduce discharge of urban stormwater pollutants to the Newman Wasteway and San Joaquin River; support the City's vision to manage stormwater as an ecological and water resource asset; and, provide additional social, economic and environmental benefits for this Disadvantaged Community. The project will accept predominantly urban storm and dry weather runoff from 3,700 acres. The project will benefit the community of Newman and surrounding communities in many ways including providing open space recreation and acting as a living lab for K-12 and college students. The 78-acre parcel has potential for ecological restoration and the City was awarded a CDFW wetland restoration grant in 2019. There are no major obstacles to implementation (other than funding). | 21 | Conceptual | Water Supply, Flood Management, Environmental |
| Wasteway Utilization for Groundwater Recharge of Storm Flows | Del Puerto Water District | Utilize the largely empty Newman Wasteway for collection of stormwater for aquifer recharge. The project would construct a berm or series of berms to collect stormwater in the unlined portions of the Newman Wasteway, allowing this water to percolate into and recharge the groundwater aquifer. The project would also construct a series of monitoring wells to determine the effectiveness of the groundwater recharge. The berms would be small enough that they would not impact the operations of the Wasteway as designed. | 21 | Under Design | Water Supply, Flood Management, Environmental |
| Westlands Water District Multi-Site Groundwater Recharge Project | Westlands Water District | The District is proposing three groundwater recharge facilities located in Fresno County near the cities of Coalinga, and Cantua Creek; all will be located on District-owned land. The Project will be constructed in two phase and consists of a 60-acre, 40-acre, and 20-acre recharge facility with conveyance and a pump station to recover the stored water as needed. The Project will store excess flood flows, which are available approximately every 4-5 years, surplus water, and any other type of eligible water available. Giving the District a reliable water source for drought resiliency. This Project will provide a regional benefit, reduce groundwater overdraft and enhance District's groundwater sustainability effort. | 14 | Conceptual | Water Supply, Flood Management, Environmental |
| Zapato Chino Creek Groundwater Recharge | Pleasant Valley Water District | This project will help meet the needs of nearby farm irrigation requirements while improving groundwater levels through the recharge of surface water. Irrigation season does not line up with the wet season when excess surface water may be available, which forces farmers to resort to groundwater pumping. Landowners adjacent to Zapato Chino Creek own a pump and pipeline that connects to the end of the Coalinga Canal with the capacity to deliver up to 40 cfs to the area near Zapato Chino Creek. Using one mile of the creek as an infiltration area and assuming an infiltration rate of 5 cfs per mile, approximately 10 acre-ft per day will percolate into the ground. Assuming availability of water from December to March, about 1,210 acre-ft of water could be recharged in the creek bed. Materials necessary would include 5280 feet of 27-inch diameter PVC pipe to connect the landowner's pipe to the creek bed and an energy dissipater for erosion control, including a booster pump and motor. | 14 | Conceptual | Water Supply, Flood Management, Environmental |

Westside-San Joaquin SWRP 2020
Project Score Details

| Project Name | Project Proponent | Benefits | | | | Priorities | | | | | Total Score |
|--|----------------------------------|---------------------|--------------------------------|---------------------------|--------------------------------------|--|--|---|---|-------------------------|-------------|
| | | Main Benefits (pts) | Main Benefits Quantified (pts) | Additional Benefits (pts) | Additional Benefits Quantified (pts) | Achieves the goals of an existing TMDL (pts) | Reduces pollutant discharges into an Impaired Water Body (pts) | Augments water supply via recharge into a groundwater basin (pts) | Provides a SWRP Main or Additional Benefit to a DAC (pts) | Implements LID measures | |
| Recharge Site Investigation & Groundwater Banking Project | Pleasant Valley Water District | 24 | 16 | 10 | 2 | 0 | 2 | 0 | 4 | 2 | 60 |
| Tracy Nature Park | City of Tracy | 32 | 4 | 12 | 0 | 0 | 0 | 4 | 4 | 2 | 58 |
| Mendota Stormwater Improvement Project | City of Mendota | 24 | 6 | 8 | 2 | 0 | 0 | 4 | 4 | 2 | 50 |
| City of Patterson Full Trash Stormwater Capture System | City of Patterson | 20 | 12 | 2 | 1 | 0 | 0 | 4 | 4 | 0 | 43 |
| Pleasant Valley Water District Groundwater Recharge Project | Pleasant Valley Water District | 20 | 10 | 2 | 1 | 0 | 0 | 4 | 4 | 0 | 41 |
| Orestimba Creek Recharge and Recovery Project (OCCRP) | Del Puerto Water District | 24 | 0 | 8 | 0 | 0 | 0 | 4 | 4 | 0 | 40 |
| City of Huron Groundwater Supply Well and Recharge Project | City of Huron | 20 | 0 | 12 | 0 | 0 | 0 | 0 | 4 | 0 | 36 |
| Above Ground Storage Project | Westlands Water District | 16 | 8 | 4 | 2 | 0 | 0 | 0 | 4 | 0 | 34 |
| Tranquillity Irrigation District Stormwater Project | Tranquillity Irrigation District | 20 | 2 | 4 | 0 | 0 | 0 | 4 | 4 | 0 | 34 |
| Del Puerto Canyon Reservoir | Del Puerto Water District | 16 | 8 | 2 | 1 | 0 | 0 | 0 | 4 | 0 | 31 |
| Hospital Creek Stormwater Capture for Groundwater Recharge Pilot Project | Del Puerto Water District | 16 | 8 | 2 | 1 | 0 | 0 | 0 | 4 | 0 | 31 |
| Lateral Inter-Connection Project | Westlands Water District | 16 | 8 | 2 | 1 | 0 | 0 | 0 | 4 | 0 | 31 |
| Santa Fe Canal Water Storage and Groundwater Recharge B | Grassland Water District | 16 | 8 | 2 | 1 | 0 | 0 | 4 | 0 | 0 | 31 |
| Aquifer Storage and Recovery Project | Westlands Water District | 8 | 8 | 2 | 1 | 0 | 2 | 4 | 4 | 0 | 29 |
| Pleasant Valley Water Banking Project-Section 31 | Pleasant Valley Water District | 12 | 6 | 2 | 1 | 0 | 0 | 4 | 4 | 0 | 29 |
| Water Recharge Project - Los Gatos Creek Gravel Pit | Pleasant Valley Water District | 12 | 4 | 4 | 0 | 0 | 2 | 0 | 4 | 0 | 26 |
| Crescent Canal Project | Westlands Water District | 12 | 6 | 2 | 1 | 0 | 0 | 0 | 4 | 0 | 25 |
| Fialho Water Storage and Recharge Basins | Grassland Water District | 12 | 6 | 2 | 1 | 0 | 0 | 4 | 0 | 0 | 25 |
| Lateral 13 Intertie Project | Westlands Water District | 12 | 6 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 24 |

| Project Name | Project Proponent | Benefits | | | | Priorities | | | | | Total Score |
|--|--------------------------------|---------------------|--------------------------------|---------------------------|--------------------------------------|--|--|---|---|-------------------------|-------------|
| | | Main Benefits (pts) | Main Benefits Quantified (pts) | Additional Benefits (pts) | Additional Benefits Quantified (pts) | Achieves the goals of an existing TMDL (pts) | Reduces pollutant discharges into an Impaired Water Body (pts) | Augments water supply via recharge into a groundwater basin (pts) | Provides a SWRP Main or Additional Benefit to a DAC (pts) | Implements LID measures | |
| PID Groundwater Bank Phase 2 - Design and Construction | Patterson Irrigation District | 12 | 0 | 4 | 0 | 0 | 0 | 4 | 4 | 0 | 24 |
| PID Groundwater Bank Phase 1 - Feasibility | Patterson Irrigation District | 8 | 0 | 6 | 0 | 0 | 0 | 4 | 4 | 0 | 22 |
| Little Salado Creek Groundwater Recharge and Flood Control Basin | Stanislaus County | 12 | 0 | 2 | 1 | 0 | 2 | 4 | 0 | 0 | 21 |
| Newman Environmental Wetland System (NEWS) | City of Newman | 12 | 0 | 2 | 1 | 0 | 2 | 4 | 0 | 0 | 21 |
| Wasteway Utilization for Groundwater Recharge of Storm Flows | Del Puerto Water District | 12 | 0 | 4 | 1 | 0 | 0 | 0 | 4 | 0 | 21 |
| Westlands Water District Multi-Site Groundwater Recharge Project | Westlands Water District | 8 | 0 | 2 | 0 | 0 | 0 | 4 | 0 | 0 | 14 |
| Zapato Chino Creek Groundwater Recharge | Pleasant Valley Water District | 8 | 0 | 2 | 0 | 0 | 0 | 4 | 0 | 0 | 14 |

| Project Name | Project Status | Augments local water supply through groundwater recharge or storage ¹ | Provides source control of pollutants ² | Reestablishes natural water drainage treatment and infiltration systems ³ | Develops, restores, or enhances habitat and open space ⁴ | Uses existing publicly owned lands and easements ⁵ |
|--|------------------|--|--|--|---|---|
| Above Ground Storage Project | Planning | | | | ✓ | ✓ |
| Aquifer Storage and Recovery Project | Ready to Proceed | ✓ | ✓ | | | |
| City of Huron Groundwater Supply Well and Recharge Project | Under Design | | | | | ✓ |
| City of Patterson Full Trash Stormwater Capture System | Under Design | ✓ | ✓ | | | |
| Crescent Canal Project | Ready to Proceed | | | | ✓ | ✓ |
| Del Puerto Canyon Reservoir | Under Design | | | | | ✓ |
| Fialho Water Storage and Recharge Basins | Under Design | ✓ | ✓ | ✓ | | |
| Hospital Creek Stormwater Capture for Groundwater Recharge Pilot Project | Under Design | ✓ | | | | |
| Lateral 13 Intertie Project | Planning | | | | | ✓ |
| Lateral Inter-Connection Project | Planning | | | | | ✓ |
| Little Salado Creek Groundwater Recharge and Flood Control Basin | Conceptual | ✓ | ✓ | | ✓ | |
| Mendota Stormwater Improvement Project | Conceptual | ✓ | ✓ | ✓ | | ✓ |
| Newman Environmental Wetland System (NEWS) | Conceptual | ✓ | ✓ | | ✓ | ✓ |
| Orestimba Creek Recharge and Recovery Project (OCRRP) | Conceptual | ✓ | | | | ✓ |
| PID Groundwater Bank Phase 1 - Feasibility | Under Design | ✓ | | | | |
| PID Groundwater Bank Phase 2 - Design and Construction | Conceptual | ✓ | | | | |
| Pleasant Valley Water Banking Project-Section 31 | Planning | ✓ | | | | ✓ |
| Pleasant Valley Water District Groundwater Recharge Project | Under Design | ✓ | | | ✓ | |
| Recharge Site Investigation & Groundwater Banking Project | Under Design | | | | | |
| Santa Fe Canal Water Storage and Groundwater Recharge B | Conceptual | ✓ | ✓ | ✓ | ✓ | |
| Tracy Nature Park | Conceptual | ✓ | ✓ | ✓ | ✓ | ✓ |
| Tranquility Irrigation District Stormwater Project | Conceptual | ✓ | | | | ✓ |
| Wasteway Utilization for Groundwater Recharge of Storm Flows | Under Design | | | | | |
| Water Recharge Project - Los Gatos Creek Gravel Pit | Planning | | | | ✓ | |
| Westlands Water District Multi-Site Groundwater Recharge Project | Conceptual | ✓ | | | ✓ | ✓ |
| Zapato Chino Creek Groundwater Recharge | Conceptual | ✓ | | | | |

Notes:

1. Box is checked if the project proponent selected in Opti indicating that the project augments local water supply through groundwater recharge or storage for beneficial use of storm water and dry weather runoff.
2. Box is checked if the project proponent selected the checkbox in Opti indicating that the project provides source control for both pollution and dry weather runoff volume, onsite and local infiltration, and use of storm water and dry weather runoff.
3. Box is checked if the project proponent selected the checkbox in Opti indicating that the project would reestablish natural water drainage treatment and infiltration systems, or mimic natural system functions to the maximum extent feasible.
4. Box is checked if the project proponent selected the checkbox in Opti indicating that the project develops, restores, or enhances habitat and open space through storm water and dry weather runoff management, including wetlands, riverside habitats, parkways, and parks.
5. Box is checked if the project proponent responded that the project would use existing publicly owned lands and easements, including, but not limited to parks, public open space, community gardens, farm and agricultural preserves, school sites, and government office buildings and complexes, to capture, clean, store, and use storm water and dry weather runoff either onsite or offsite.



Project Name:



Description:

Contact:

Partner(s):

Total Cost: \$



Last Update: Friday Apr 03, 2020

[Instructions](#) [Project Information](#) [IRWMP Eligibility](#) [IRWMP Information](#) [SWRP Information](#)

Instructions [Top](#)

The Westside-San Joaquin Integrated Regional Water Management (IRWM) Region uses this project database to store project information for the Westside-San Joaquin Integrated Regional Water Management Plan (WSJ IRWMP) and the Westside-San Joaquin Stormwater Resource Plan (WSJ SWRP).

The database is a living project list for both the IRWMP and the SWRP. Projects may be submitted any time, even if a formal Call for Projects is not currently open.

Instructions

If you have a project that you would like to be included in the IRWMP, please complete the following tabs:

[Project Information](#) [IRWMP Eligibility](#) [IRWMP Information](#)

If you have a project that you would like to be included in the SWRP, please complete the following tabs:

[Project Information](#) [SWRP Information](#)

The Call for Projects for the WSJ SWRP is now open! For a project to be included in the SWRP document itself, it must be submitted by February 20, 2020.

All stormwater and dry weather capture projects must be included in a SWRP to be eligible for state bond grant funding. Therefore, this project solicitation process is for the purpose of compiling projects to be included in the WSJ SWRP, not for the purpose of applying for grant funding at this time.

Please provide the most complete project information possible. Projects may be at any stage of development, from conceptual to shovel-ready. Construction projects, planning projects (such as paper studies or outreach projects), feasibility studies, and pilot studies are all eligible for inclusion in the WSJ IRWMP and/or WSJ SWRP. Required subsections are noted throughout the project information form. Not all fields are required, but blank fields may result in a lower score as the project will not be fully assessed against project prioritization methodology. The project may be saved before submitting, so you can work on it over multiple sessions.

Thank you for your participation. If you have questions or comments, please visit our website at <http://www.sldmwa.org/integrated-regional-water-management-plan/> or contact Scott Petersen, Water Policy Director, at the San Luis & Delta-Mendota Water Authority, at scott.petersen@sldmwa.org or (209) 826-9696.

Important Items to Note Regarding Future IRWM Grant Funding

This database compiles projects to be included in the WSJ IRWMP, a first step in applying to DWR for IRWM grant funding. Additional steps will be required for projects to be considered. Per DWR's IRWM Guidelines, all project proponents with projects included in an IRWM grant application must adopt the IRWMP. At this time, DWR anticipates having an IRWM Implementation Grant solicitation in late 2018. In order to be eligible for grant funding, the WSJ IRWMP must be reviewed and approved by DWR through the Plan Review Process (PRP). In order for projects to be eligible for funding, they must be included in the adopted IRWMP. Submitting your project for consideration for inclusion in the WSJ IRWMP now will make it eligible for future IRWM grant cycles. However, inclusion of your project in the IRWMP will not guarantee that it is included in a grant application or that it receives grant funding. Projects submitted for consideration through this project solicitation process will be prioritized; only the top-ranked projects and those meeting required application criteria (as stipulated in individual Proposal Solicitation Packages released by DWR prior to grant solicitations) will likely get submitted for IRWM implementation grant funding. Projects may move up through the ranking process over time as they are further developed or as DWR and/or the WSJ Region's goals and objectives, and program preferences change.

Please be aware of the following as it relates to receiving future IRWM grant funding. This is a high-level summary of eligibility requirements. Full eligibility requirements can be found in the [2016 IRWM Planning Guidelines](#).

Plan Adoption: Proponents of projects included in an IRWM Implementation proposal must adopt the IRWM Plan. **Public Utilities and Mutual Water Companies:** A project proposed by a public utility that is regulated by the Public Utilities Commission or a mutual water company shall have a clear and definite public purpose and shall benefit the customers of the water system and not the investors (Water Code §79712 (b)(1)). **Nitrate, Arsenic, Perchlorate, or Hexavalent Chromium Contamination:** Water Code §10544.5 requires the Regional Water Management Group, in areas that have nitrate, arsenic, perchlorate, or hexavalent chromium contamination, to include in the grant application information regarding how a project or projects in the application help to address the contamination or an explanation why the application does not include that kind of project or projects. **Climate Change:** Water Code §79742(e) requires applicants seeking Proposition 1, Chapter 7, project funding to demonstrate that the IRWM Plan that the applicants project implements contributes to addressing the risks in the region to water supply and water infrastructure arising from climate change. **Groundwater Management Plan Compliance:** Due to the recent passage of the Sustainable Groundwater Management

Act (SGMA), there will be a transition period between groundwater management plans (GWMPs) and SGMA. Therefore, the 2016 Proposition 1 IRWM Guidelines note that grant eligibility will have to consider both GWMP eligibility and Groundwater Sustainability Agency (GSA)/Groundwater Sustainability Plan (GSP) progress. For groundwater management and recharge projects and for projects with potential groundwater impacts, the applicant or the project proponent responsible for such projects must demonstrate that they comply with the following regulations:

Water Code §10720 et seq.: Groundwater project proponents must demonstrate that their project is consistent with SGMA efforts in the basin. Groundwater Management Plan compliance for groundwater projects or other projects having a direct effect on groundwater levels or quality, the applicant or project proponent must meet one of the following conditions (Water Code §10753.7 (b)(1):

They conform to the requirements of an adjudication of water rights in the subject groundwater basin. They have prepared and implemented a GWMP in compliance with CWC §10753.7. They participate or consent to be subject to a GWMP, basin-wide management plan, or other IRWM program or plan that meets the requirements of CWC §10753.7(a). For projects located in low or very low priority groundwater basins without an existing GWMP, the proposal commits to adopting a GWMP compliant with Water Code §10753.7 or a GSP compliant with Water Code §10727 et seq.

Water Code § 10920 Compliance: For high and medium priority basins without a California Statewide Groundwater Elevation Monitoring (CASGEM) monitoring entity, grant applicants and project proponents that have been identified as potential monitoring entities will not be eligible for grant funding. Counties whose jurisdictions include unmonitored high and medium priority basins will not be eligible for grant funding. If the entire service area of the grant applicant or the individual project proponents service area is demonstrated to be a DAC, the project will be considered eligible. **SB 985 and Stormwater Resource Plans:** A stormwater resource plan must be prepared, compliant with Water Code §10562 (b) (7), to receive grants for stormwater and dry weather runoff capture projects. **Requirements for Urban**

Water Suppliers: An Urban Water Supplier is a supplier, either publicly or privately owned, that provides water for municipal purposes either directly or indirectly to more than 3,000 customers or supplying more than 3,000 acre-feet of water annually (CWC § 10617). Urban water suppliers must comply with the following: Urban Water Management Planning Act Compliance Water suppliers who were required by the Urban Water Management Planning Act (CWC § 10610 et seq.) to submit an Urban Water Management Plan (UWMP) to DWR must have submitted a complete UWMP to be eligible for IRWM Grant Program funding. Applicants and project proponents that are urban water suppliers and have projects that would receive funding through the IRWM grant program must have a complete UWMP by the time a grant is awarded to be eligible to receive funding. In order to be eligible for funding, urban water supplies must comply with the requirements of Part 2.55 (commencing with §10608) of Division 6, related to sustainable water use and demand reduction. **SB X7-7 Compliance** Requires all water suppliers to increase water use efficiency and sets an overall goal of reducing per capita water use by 20% by December 31, 2020. Urban water suppliers must prepare an Urban Water Management Plan (UWMP) that includes documentation of compliance with interim water use targets. In order to qualify for funding, urban water suppliers must have a UWMP approved by DWR. CWC § 529.5 Compliance - Requires on or after January 1, 2010, any urban water supplier applying for state grant funds for wastewater treatment projects, water use efficiency projects, drinking water treatment projects, or for a permit for a new or expanded water supply, shall demonstrate that they meet the water meter requirements in CWC § 525 et seq.

Requirement for Agricultural Water Suppliers: In accordance with CWC §10608.56, an agricultural water supplier is ineligible for funding unless it complies with requirements of Part 2.55 (commencing with §10608) of Division 6. This requires that the agricultural water supplier measure the volume of water delivered, adopt a pricing strategy based at least partially on quantity delivered, and implement additional efficient management practices. The supplier must prepare an Agricultural Water Management Plan (AWMP) which must be approved by DWR in order to qualify for funding. SB X7-7 also requires preparation of an AWMP for grant eligibility.

Requirement for Surface Water Diverters: A diverter of surface water is not eligible for a water grant or loan awarded or administered by the State unless it complies with surface water diversion reporting requirements outlined in Part 5.1 (commencing with §5100) of Division 2 of the Water Code.

Project Information [Top](#)

Project Information (Required for both IRWMP and SWRP projects)

Project Title:

Project Location:

Responsible Agency:

Responsible Agency Contact:

Title:

Address:

Phone: Ext:

Email:

Other Participating Agencies (if applicable):

Which document are you submitting your project to? (select IRWMP, SWRP, or both):

☐ WSJ IRWMP

☐ WSJ SWRP

Project Description (Required for both IRWMP and SWRP projects)

Please provide a description of your project, including the project location, area and/or entities that will be affected by or will benefit from your project, related water and environmental resources within the project boundaries, and any potential obstacles to implementation. Further documentation (such as project studies) may be uploaded after the project has been submitted to supplement, but not replace, the information in this form.

Project Location / Coordinates (Required for both IRWMP and SWRP projects)

Project Coordinates: Enter decimal latitude and longitude below or

Latitude:

Longitude:

Project Area:

File Name

Project Status (Required for both IRWMP and SWRP projects)

Select a project status from the dropdown list below. Project Status options are defined as follows:

Conceptual: Project concept not included in any documents to date **Planning:** Project concept included in a planning document to date **and** project-specific planning document has been initiated and/or prepared (e.g. Recycled Water Facilities Plan) **Under Design:** Project design has started but is not yet complete (e.g. Basis of Design Report, pre-design, 30%, 60%, 90%, or Final Design) **Ready to Proceed:** 100% plans and specs complete

For **non-construction** projects (e.g. paper study), please use the following definitions:

Conceptual: Project concept not included in any documents to date **Planning:** Project concept included in a planning document to date
Under Design: Work plan/scope is in draft form **Ready to Proceed:** Final work plan/scope exists

Project Status:

IRWMP Eligibility [Top](#)

IRWMP Eligibility (Required for IRWMP projects only)

This tab is required for IRWM Projects only. If you are only submitting your project to the WSJ SWRP, you may skip this tab.

In order to be considered for inclusion in the Westside-San Joaquin Integrated Regional Water Management Plan (WSJ IRWMP), the project must meet at least one WSJ IRWMP Objective, at least one Statewide Priority, and address at least two Resource Management Strategies. If your project does not meet these minimum requirements it will not be included in the Plan Update.

WSJ IRWMP Objectives

Please check all that apply. The project must address at least one WSJ IRWMP Objective in order to be eligible for inclusion in the Plan Update.

For every selected Objective, please describe how your project advances that Objective.

- ☐ Objective A: Provide for more reliable water supply south of the Delta.
- ☐ Objective B: Improve regional self-reliance for water through investment in water use efficiency, water recycling, advanced water technologies, local and regional water supply projects, and improved regional coordination of local and regional water supply efforts.
- ☐ Objective C: Provide reasonable opportunity to advance ecosystem restoration through balanced project implementation.
- ☐ Objective D: Provide potential for environmental and habitat improvement, including wetlands.
- ☐ Objective E: Promote projects that meet the needs of disadvantaged communities.
- ☐ Objective F: Promote and enhance water conservation, water use efficiency, and sustainable water use.
- ☐ Objective G: Promote and enhance water recycling.
- ☐ Objective H: Maximize utility of Regional aquifers while improving sustainability.
- ☐ Objective I: Minimize risk of loss of life, infrastructure, and resources caused by significant storm events by utilizing uncontrolled flow beneficially.
- ☐ Objective J: Capture stormwater for higher beneficial use whenever practicable.
- ☐ Objective K: Develop Regional solutions that protect and enhance the quality of water supply, particularly in disadvantaged communities that are unable to meet water quality standards.
- ☐ Objective L: Consider recreational potential in project development.
- ☐ Objective M: Minimize energy consumption and associated GHG emissions, including use of renewable energy when appropriate.
- ☐ Objective N: Promote projects that increase operational flexibilities and supply management tools.

Statewide Priorities

Please check all that apply. The project must address at least one statewide priority in order to be eligible for inclusion in the Plan Update. For more detailed information on the statewide priorities, please see pages 8-10 of the [2016 IRWM Planning Guidelines](#).

- ☐ Make Conservation a California Way of Life
- ☐ Increase Regional Self-Reliance and Integrated Water Management Across All Levels of Government
- ☐ Achieve the Co-Equal Goals for the Delta
- ☐ Protect and Restore Important Ecosystems
- ☐ Manage and Prepare for Dry Periods
- ☐ Expand Water Storage Capacity and Improve Groundwater Management
- ☐ Provide Safe Water for All Communities
- ☐ Increase Flood Protection
- ☐ Increase Operational and Regulatory Efficiency
- ☐ Identify Sustainable and Integrated Financing Opportunities

Resource Management Strategies

Please select all that apply to your project. The project must address at least two Resource Management Strategies in order to be eligible for inclusion in the Plan Update.

- ☐ Agricultural Water Use Efficiency
- ☐ Urban Water Use Efficiency
- ☐ Conveyance — Delta
- ☐ Conveyance — Regional/Local
- ☐ System Reoperation
- ☐ Water Transfers
- ☐ Conjunctive Management & Groundwater
- ☐ Desalination — Brackish & Seawater
- ☐ Precipitation Enhancement
- ☐ Recycled Municipal Water
- ☐ Surface Storage — CALFED
- ☐ Surface Storage — Regional/Local
- ☐ Drinking Water Treatment and Distribution
- ☐ Groundwater and Aquifer Remediation
- ☐ Sediment Management
- ☐ Matching Quality to Use
- ☐ Pollution Prevention
- ☐ Salt and Salinity Management

IRWMP Information [Top](#)**Project Type (Required for IRWMP projects only)**

Select a project type from the dropdown list below. (Non-infrastructure projects may include plan development, education, monitoring, research, etc.)

Choose an item:

Readiness to Proceed (Required for IRWMP projects only)

Please discuss project readiness and anticipated start date. Include a description of the status of design, bid package, permitting, and securing required matching funds.

Environmental Documentation (Required for IRWMP projects only)

Describe the environmental documentation required (e.g. Environmental Impact Report or Negative Declaration) for the proposed project and the status of the required documentation. If environmental documentation is required but has not been started, please provide the estimated timeframe for completing the required documentation.

Multi-Entity Integration and Benefits (Required for IRWMP projects only)

Is your project linked to or combined with another project? If yes, please describe the linked / integrated projects and other possible project participants. Describe entities that benefit from the project and describe the benefits to each entity.

☐ No ☐ Yes

Explanation (required if Yes, optional if No):

Does the project provide benefits on a regional scale? If yes, please describe how the benefit(s) will have a regional impact.

☐ No ☐ Yes

Explanation (required if Yes, optional if No):

Technical Feasibility (Required for IRWMP projects only)

Is the project technically feasible? If yes, please explain.

☐ No ☐ Yes

Explanation (required if Yes, optional if No):

Do you have background information, studies or other documentation (including author and year) that detail the technical feasibility of the project? If yes, please explain.

☐ No ☐ Yes

Explanation (required if Yes, optional if No):

Economic Feasibility (Required for IRWMP projects only)

Please provide estimated project costs (capital, operations and maintenance, and replacement) and estimated project life. If no annual O&M costs are provided, the annual O&M cost will be assumed to be 10% of the project cost. Project cost information is not required but must be provided in order to receive points for economic feasibility. If no cost information is provided, the lowest score will be awarded for the Economic Feasibility criterion.

Capital Cost: \$

Annual O&M Cost: \$

Replacement Costs, Description of Equipment to be Replaced, & Frequency of Replacement (e.g., every 5 years):

Estimated Project Life (Years) (click [here](#) for a list of general infrastructure life spans):

Cost Basis (if not 2018 dollars):

Possible Funding Sources:

How were the project costs developed (e.g., engineers estimate)?

Has a source of local funding match been identified and/or secured for the project?

☐ Local funding match has been secured / Match Not Required (DAC or SDAC Project)

☐ Potential source of local funding match has been identified.

☐ Potential source of local funding match has not been identified.

Dependence on the Sacramento-San Joaquin Delta (Required for IRWMP projects only)

Will the project help reduce dependence on the Sacramento-San Joaquin Delta for water supply? If yes, describe how this will be achieved.

☐ No ☐ Yes

Explanation (required if Yes, optional if No):

Disadvantaged Communities (Required for IRWMP projects only)

Will the project help address critical water supply and water quality needs of disadvantaged communities (DACs)? If yes, describe how this will be achieved. (The DAC status of communities may be determined using DWRs DAC Mapping Tool, available at <https://gis.water.ca.gov/app/dacs/>. DACs may be identified at the census designated place, census tract, or block group level. A community may also be considered a DAC if an income survey has been completed demonstrating that the community meets DAC criteria.).

☐ No ☐ Yes

Explanation (required if Yes, optional if No):

Environmental Justice (Required for IRWMP projects only)

Environmental justice can be defined as the fair treatment of people of all races, cultures, and incomes with respect to the development, adoption, implementation, and enforcement of environmental laws, regulations, and policies. Environmental justice seeks to redress inequitable distribution of environmental burdens (e.g. pollution, industrial facilities) and access to environmental goods (e.g. clean water and air, parks, recreation, nutritious foods, etc.).

Have the environmental justice impacts of the projects been evaluated? If yes, describe the potential impacts or benefits and efforts to mitigate environmental justice concerns.

☐ No ☐ Yes

Explanation (required if Yes, optional if No):

Native American Tribal Communities (Required for IRWMP projects only)

Will the project benefit Federally- or State-recognized Native American Tribal communities? If yes, describe how Native American Tribal communities will benefit.

☐ No ☐ Yes

Explanation (required if Yes, optional if No):

Climate Change Adaptation (Required for IRWMP projects only)

Climate change adaptation includes activities to adjust to the actual or expected future climate.

Does the project help the water system adapt to vulnerabilities to climate change effects? If yes, describe how adaptation(s) are achieved.

☐ No ☐ Yes

Explanation (required if Yes, optional if No):

Does the project provide adaptation to changes in the amount, intensity, timing, quality, and/or variability of runoff and recharge? If yes, describe how adaptation is achieved.

☐ No ☐ Yes

Explanation (required if Yes, optional if No):

Does the project provide an adaptation to sea level rise (either direct or indirect adaptations)? If yes, describe how adaptation is achieved.

☐ No ☐ Yes

Explanation (required if Yes, optional if No):

Project Page

Climate Change Mitigation (Required for IRWMP projects only)

Climate change mitigation includes activities to reduce and stabilize the levels of greenhouse gases in the atmosphere.

Does the project consider the contribution of the project to reducing greenhouse gas emissions as compared to project alternatives? If so, describe how this was considered.

☐ No ☐ Yes

Explanation (required if Yes, optional if No):

Does the project consider the ability of the project to help the Westside-San Joaquin Region reduce greenhouse gas emissions as new projects are implemented over the 20-year planning horizon? If so, describe how this was considered.

☐ No ☐ Yes

Explanation (required if Yes, optional if No):

Does the project reduce energy consumption and/or greenhouse gas emissions? If yes, describe how energy consumption or emissions are reduced.

☐ No ☐ Yes

Explanation (required if Yes, optional if No):

WIWRP Update Adoption (Required for IRWMP projects only)

Does the responsible agency plan to formally adopt the WSJ IRWMP Update (e.g., at a city council or board of directors meeting)? If the responsible agency is a nonprofit organization, does it plan to follow an equivalent process to formally approve or accept the plan?

☐ No ☐ Yes

SWRP Information [Top](#)**SWRP Information**

This tab is only required for projects being submitted to the SWRP. If you are submitting your project only to the IRWMP, you can skip this tab.

SWRP Project Eligibility (Required for SWRP projects only)

In order for a project to be eligible to be included in the WSJ SWRP, it must meet all of the following criteria:

Be sponsored by an eligible applicant Capture stormwater or dry weather runoff Provide 2 or more [SWRP Main Benefits](#) Provide at least one [SWRP Additional Benefits](#)

WSJ Region Watershed Priorities (Required for SWRP projects only)

Does the Project implement water quality improvements to help achieve the goals of an existing Total Maximum Daily Load (TMDL)? (check all that apply)

- ☐ Central Valley Pesticides TMDL
☐ Sacramento-San Joaquin Delta Diazinon and Chlorpyrifos TMDL
☐ Lower San Joaquin River Salt and Boron TMDL
☐ Sacramento-San Joaquin Delta Mercury and Methylmercury TMDL

Does the project reduce pollutant discharges into a 303(d) listed Impaired Water Body? (The current 303(d) list can be found on the State Water Resources Control Board website here: https://www.waterboards.ca.gov/water_issues/programs/tmdl/integrated2014_2016.shtml)

☐ No ☐ Yes

If yes, please list water body/bodies:

Will the project provide a Main or Additional SWRP benefit to a disadvantaged community (DAC)? If yes, describe how this will be achieved. (The DAC status of communities may be determined using DWRs DAC Mapping Tool, available at <https://gis.water.ca.gov/app/dacs/>. DACs may be identified at the census designated place, census tract, or block group level. A community may also be considered a DAC if an income survey has been completed demonstrating that the community qualifies as a DAC.)

☐ No ☐ Yes

If "Yes," please specify the community that will benefit, and what benefit will be provided:

Water Quality Benefits (Required for SWRP projects only)

Does the project provide any of the following benefits (check all that apply and provide applicable quantitative estimate, if available):

- ☐ Increased filtration and/or treatment of runoff (SWRP Main Benefit)

Average annual pollutant load reduction:

TSS (pounds per year):

Mercury (pounds per year):

Diazinon (pounds per year):

Chlorpyrifos (pounds per year):

Selenium (pounds per year):

Diuron (pounds per year):

Bacteria - fecal coli. / E. coli (most probable number):

Pyrethroids (pounds per year):

Trash (pounds per year):

Total nitrogen (pounds per year):

Other constituent (insert metric):

Volume of water treated (million gallons per day):

Volume of runoff infiltrated (acre-feet per year):

Other quantitative metric:

- ☐ Nonpoint source pollution control (SWRP Additional Benefit)

Provide amount removed per year:

- ☐ Reestablished natural water drainage and treatment (SWRP Additional Benefit)

Provide amount of pollutant removed per year and flowrate of drainage:

Describe how the project will achieve these benefits:

Describe the method or study used to quantify the benefits described above:

Water Supply Benefits (Required for SWRP projects only)

Does the project provide any of the following benefits (check all that apply and provide applicable quantitative estimate, if available):

- ☐ Water supply reliability (SWRP Main Benefit)

Increase in water supply through direct groundwater recharge (acre-feet per year):

Increase in water supply through direct use (acre-feet per year):

Other quantitative metric:

- ☐ Conjunctive use (SWRP Main Benefit)

Increase in water supply through in lieu recharge and/or conjunctive use (acre-feet per year):

Other quantitative metric:

- ☐ Water conservation (SWRP Additional Benefit)

Reduction in water use (acre-feet per year):

Other quantitative metric:

Describe how the project will achieve these benefits:

Describe the method or study used to quantify the benefits described above:

Flood Management Benefits (Required for SWRP projects only)

Does the project provide any of the following benefits (check all that apply and provide applicable quantitative estimate, if available):

- ☐ Decreased flood risk by reducing runoff rate and/or volume (SWRP Main Benefit)

Reduction in peak flow discharge (cubic feet per second):

Reduction in volume of potential flood water (acre-feet per year):

Other quantitative metric:

- ☐ Reduced sanitary sewer overflows (SWRP Additional Benefit)

Reduction in sewer overflow volumes (acre-feet per year):

Other quantitative metric:

Describe how the project will achieve these benefits:

Describe the method or study used to quantify the benefits described above:

Environmental Benefits (Required for SWRP projects only)

Does the project provide any of the following benefits (check all that apply and provide applicable quantitative estimate, if available):

- ☐ Environmental habitat protection and improvement, including wetland enhancement/creation, riparian enhancement, and/or instream flow improvement (SWRP Main Benefit)

Size of habitat protected or improved (acres):

Amount of instream flow rate improvement (cubic feet per second):

Other quantitative metric:

- ☐ Increased urban green space (SWRP Main Benefit)

Size of increase in urban green space (acres):

Other quantitative metric:

- ☐ Reduced energy use, greenhouse gas emissions, or provides a carbon sink (SWRP Additional Benefit)

Amount of energy consumption reduced (kilowatt-hours per year):

Amount of GHG emissions reduced (tons per year):

Other quantitative metric:

- ☐ Reestablishment of natural hydrograph (typically a reduction in peak flow measured in cubic feet per second) (SWRP Additional Benefit)

Provide quantitative metric:

- ☐ Water temperature improvements (SWRP Additional Benefit)

Amount of temperature improvement (typically a reduction in temperature) (degrees Fahrenheit):

Describe how the project will achieve these benefits:

Describe the method or study used to quantify the benefits described above:

Community Benefits (Required for SWRP projects only)

Does the project provide any of the following benefits (check all that apply and provide applicable quantitative estimate, if available):

- ☐ Employment opportunities provided (SWRP Main Benefit)

Number of full-time equivalent employment opportunities provided:

Other quantitative metric:

- ☐ Public education (SWRP Main Benefit)

Number of outreach events planned:

Number of anticipated attendees/participants:

Other quantitative metric:

- ☐ Community involvement (SWRP Additional Benefit)

Number of participants per year:

Other quantitative metric:

- ☐ Enhance and/or create recreational and public use areas (SWRP Additional Benefit)

Estimated visits per year:

Other quantitative metric:

Describe how the project will achieve these benefits:

Describe the method or study used to quantify the benefits described above:



Appendix D: Public Draft Comments

Appendix D contains comments received by the public on the Public Draft for the WSJ SWRP.

| Comment | Response |
|--|--|
| Mendota Storage Improvement Project is not included in the Public Draft | The project proponent was notified that they had entered the project into the database before the Call for Projects ended, but they had not yet submitted the project. The project proponent submitted the project, and the project was included in the SWRP. |
| Fialho Water Storage and Recharge Basins Project is not included in the Public Draft | The project proponent was notified that they had entered the project into the database before the Call for Projects ended, but they had not yet submitted the project. The project proponent submitted the project, and the project was included in the SWRP. |
| Santa Fe Canal Water Storage and Groundwater Recharge Basins Project is not included in the Public Draft | The project proponent was notified that they had entered the project into the database before the Call for Projects ended, but they had not completed all required project information. The project proponent updated the information, and the project was included in the SWRP. |