

# Yolo County Flood Control and Water Conservation District Conjunctive Use Project Feasibility Study for Expanding Yolo County Flood Control and Water Conservation District Surface Water Supplies to the Yolo-Zamora Water District

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## 1. Project Description

<i>Total Project Type:</i>	Groundwater/surface water planning/system improvement
<i>Short-term Project Type:</i>	Groundwater/surface water planning/system improvements
<i>Location:</i>	Colusa Basin in Yolo County
<i>Proponent(s):</i>	Yolo County Flood Control and Water Conservation District (District), farmers within the service area
<i>Project Beneficiaries:</i>	Colusa Basin Drain, Indian Valley Dam and Reservoir, Yolo-Zamora Water District (Y-ZWD)
<u><i>Total Project Component:</i></u>	Development of conveyance facilities
<i>Potential Supply:</i>	4,000 to 5,000 acre-feet per year (ac-ft/yr)
<i>Cost:</i>	\$2 million
<i>Current Funding:</i>	\$365,400
<u><i>Short-term Component:</i></u>	Feasibility study for expanding surface water supplies to Yolo-Zamora
<i>Potential Supply (by 2003):</i>	None
<i>Cost:</i>	\$600,000
<i>Current Funding:</i>	\$365,400 (By Proposition 13)
<i>Implementation Challenges:</i>	Individual farmer participation and practice change; environmental issues
<i>Key Agencies:</i>	California Department of Water Resources (DWR)

## Summary

The proposed conjunctive water use project is an in-lieu groundwater recharge or conjunctive water use project identified as an Action Item in the Water Management Plan recently adopted by the District. The purpose of the proposed project is to make efficient use of the District's water supplies and the water available from the Cache Creek watershed, in conjunction with the groundwater basin, to increase groundwater storage, enhance the overall water supply within Y-ZWD, and minimize land subsidence from groundwater extraction.

Figure 19A-1 presents the location of Y-ZWD in relation to the District, and Figure 19A-2 presents the potential conjunctive use service area. Y-ZWD relies entirely upon groundwater for its irrigation and domestic water supplies. Water would be delivered to the potential service area (approximately 6,000 acres) by improving the District's existing canals, improving natural waterways, and constructing new turnouts/delivery systems.

## Groundwater Basin

Yolo County has been described as having six hydrogeologic or groundwater storage units. The proposed service area is within a portion of the Colusa Basin. The Colusa Basin in Yolo County extends from the county line on the north to Cache Creek on the south, and between the eastern foothills of the Dunnigan Hills and the Sacramento River. With the exception of a narrow band of river deposits along Cache Creek, alluvial fan deposits comprise the land surface throughout the area.

Below the surface, alluvial fan deposits, largely of Recent and Late Pleistocene age, comprise unconsolidated clay, silt, sand, and gravel. These deposits range to 200 feet, and include hard silt and clay and cemented sand and gravel of the Tehama formation in the lower 100 feet.

Land subsidence of more than 5 feet within the lower Colusa Basin, between Zamora and Knights Landing, has been documented. This subsidence is attributed to groundwater extraction.

## District Water Supply

The District, upon completing construction of the Indian Valley Dam and Reservoir in 1975, determined the opportunity existed to expand the conjunctive use of surface water and groundwater. As indicated by preliminary analyses, the District also determined the opportunity existed to increase the overall yield of the Cache Creek system. In 1995, the District filed an application to appropriate up to 90,000 ac-ft in any one year as part of a groundwater recharge/recovery project and yield an average of approximately 20,000 ac-ft per year.

These opportunities and interest on the part of the District was reaffirmed when the Board of Directors (Board) adopted its Water Management Plan (Plan) in October 2000. The District's Plan identified two areas where opportunity exists to expand conjunctive use to enhance groundwater storage and outlined two Action Items to address these areas. These two areas involve lands fully developed for agriculture and rely entirely upon groundwater for irrigation. One area is west and north of the City of Woodland (City) and the other is

Y-ZWD, which is the focus of this project description. Projects to service both areas are identified as Action Items in Appendix A of the Plan and are of high priority with Board.

## **Existing Studies and Modeling**

The DWR has completed extensive groundwater modeling for the Y-ZWD and surrounding area as part of its Lower Colusa Basin Conjunctive Use Investigation. This model, in conjunction with modeling work completed by the District along Cache Creek will be combined for use in evaluating the project. The Integrated Groundwater Surface Water Model (IGSM) developed by DWR is a quasi 3-dimensional finite-element model that has the capability of simulating both the groundwater and surface water system, calculating groundwater extraction based upon demand, and simulating regional conjunctive use operations.

Figure 3 shows the groundwater model grid developed by DWR. Shown on the grid is the approximate limit of the potential service area for the proposed project.

## **Short-term Component**

The short-term component of the project includes the formulation of the project with the implementation of feasibility analysis. This is defined by a number of tasks such as managing and coordinating the project; preparing status reports; establishing a stakeholders group and conducting workshops for the group; updating the District's water supply model and DWR's groundwater model alternative formulation; selecting preferred alternatives; proceeding with preliminary design, cost-benefit analysis, project feasibility, and implementation scheduling; developing a monitoring program; and preparing the draft and final report.

The project involves improving the District's existing West Adams and Acacia irrigation canals; improving China Slough, a natural drainage channel; and constructing new canals to deliver surface water to agricultural lands where only groundwater is currently used. Y-ZWD in relation to the District area is shown on Figure 19A-1. In 1991, the District and Y-ZWD performed preliminary work related to implementing a joint conjunctive use project. The potential service area for the proposed project is shown on Figure 19A-2.

## **Long-term Component**

The primary purpose of this evaluation is to evaluate the potential for this project to provide water supply benefits in the short-term (by end of 2003). As part of this initial evaluation, potential long-term components of the proposed project (defined as any part of the project proceeding past or initiated after December 2003) have been considered on a conceptual level. Further consideration and technical evaluation of long-term component feasibility and cost will occur as the next level of review under the Sacramento Valley Water Management Agreement. Long-term-component project descriptions are included in these short-term project evaluations only as a guide to the reader to convey overall project intent.

This includes mainly the preparation of environmental documents and the design-construction phase of the project. The project requires California Environmental Quality Act/ National Environmental Policy Act (CEQA/NEPA) documents with permitting compliance. Preparation of a design memo with construction plans and specifications; contract bidding, award, and administration; construction quality assurance; and installation of groundwater monitoring facilities are also part of the total project component.

## 2. Potential Project Benefit/Beneficiaries

The Y-ZWD relies entirely on groundwater to meet its demands for irrigated agriculture. The benefits of implementing the proposed project include more efficient use of the District’s water supply from the Cache Creek system, more effective utilization of the groundwater basin along Cache Creek, improving water supply reliability, and maintaining groundwater levels within the Y-ZWD, thus minimizing land subsidence in the future. To the extent flood spills are minimized from Indian Valley Dam and Reservoir, the District will have optimized utilization of the watershed for water supply purposes. With respect to land subsidence, over five feet has been documented near the Colusa Basin Drain between Zamora and Knights Landing.

## 3. Project Costs

The cost opinions shown, and any resulting conclusions on project financial or economic feasibility or funding requirements, have been prepared for guidance in project evaluation from the information available at the time of the estimate. It is normally expected that cost opinions of this type, an order-of-magnitude cost opinion, would be accurate within +50 to – 30 percent. Project costs were developed at a conceptual level only, using data such as cost curves and comparisons with bid tabs and vendor quotes for similar projects. The costs were not based on detailed engineering design, site investigations, and other supporting information that would be required during subsequent evaluation efforts.

The final costs of the project and resulting feasibility will depend on actual labor and material costs, competitive market conditions, actual site conditions, final project scope, implementation schedule, continuity of personnel and engineering, and other variable factors. As a result, the final project costs will vary from the opinions presented here. Because of these factors, project feasibility, benefit/cost ratios, risks, and funding needs must be carefully reviewed prior to making specific financial decisions or establishing project budgets to help ensure proper project evaluation and adequate funding.

The District performed preliminary work in 1991, to determine the relative magnitude of facilities cost to deliver surface water to the proposed service area. Table 1 shows an estimated budget to implement the proposed project. The budget is divided into two phases: Phase 1, Project Formulation and Feasibility Analysis, and Phase 2, Design and Construction.

**TABLE 19A-1**  
Cost Estimate  
*Yolo County Flood Control and Water Conservation District Y-ZWD Conjunctive Water Use Project*

		<b>Budget</b>
<b>Task/Activity</b>		<b>Amount (\$)</b>
<b>Phase 1-Project Formulation and Feasibility Analysis Implementation</b>		
1.0	Perform Project Management and Coordination	30,000
2.0	Prepare Status Reports	5,800
3.0	Establish Stakeholders Group	6,800
4.0	Conduct Stakeholder Workshops	28,300
5.0	Update District’s Water Supply Model and DWR’s Groundwater Model	150,000
6.0	Formulate and Evaluate Alternatives	51,000

**TABLE 19A-1**  
Cost Estimate  
*Yolo County Flood Control and Water Conservation District Y-ZWD Conjunctive Water Use Project*

<b>Budget</b>		<b>Amount</b>
<b>Task/Activity</b>		<b>(\$)</b>
7.0	Select Preferred Alternative	4,800
8.0	Prepare Preliminary Design	30,000
9.0	Perform Environmental Assessment and Identify Permits Required	33,000
10.0	Perform Benefit Assessment	76,800
11.0	Determine Opinion of Probable Cost	10,600
12.0	Determine Project Feasibility	13,400
13.0	Develop Implementation Schedule	2,400
14.0	Develop Monitoring Program	9,100
15.0	Prepare Draft Report	18,600
16.0	Prepare Final Report	9,000
<b>Subtotal - Phase 1</b>		<b>479,600</b>
Engineering, Environmental, Construction Management and Admin (25%)		<b>119,900</b>
Short-term Project Total		599,500
1.0	Prepare CEQA/NEPA and Permitting Compliance	100,000
2.0	Prepare Design Memorandum	10,000
3.0	Prepare Construction Plans and Specifications	50,000
4.0	Bid, Award Contract, Construct Project Facilities	900,000
5.0	Perform Contract Administration and Construction Quality Assurance	50,000
6.0	Install Groundwater Monitoring Facilities	30,000
<b>Subtotal - Phase 2</b>		<b>1,140,000</b>
Construction Contingency (30%)		342,000
Total		1,482,000
Environmental Mitigation (5%)		74,100
Engineering, Environmental, Construction Management and Admin (25%)		370,500
Long-term Project Total		1,926,600
<b>Project Total (short-term and long-term)</b>		<b>2,000,700</b>
Funding Provided by Proposition 13		365,394
Funding Requested - Phase 8		1,635,306

## 4. Environmental Issues

As noted in Section 2, this project is anticipated to provide benefits in the form of increased reliability of water supply, more effective utilization of the groundwater basin, and maintaining groundwater levels.

Project implementation would also result in impacts to the environment, notably through the construction phase of the project. Construction-related impacts would be similar to other, common construction projects that occur near seasonal drainages and waterways. It is likely that the appropriate level of environmental documentation necessary for this project would be a Mitigated Negative Declaration.

Implementation of the project would also require issuance of permits from various regulatory agencies. Following is a summary of the likely permitting requirements. Additional permitting requirements may be identified pending further project refinement.

- **Regional Water Quality Control Board**—Large amounts of earthwork would be required for the construction of the 60-inch pipe. Depending upon project configuration and location, Water Quality Certification under the federal Clean Water Act may be required for construction.
- **Federal and State Endangered Species Act**—Consultation with state and federal resource agencies (e.g., USFWS, NMFS, CDFG) may be required to protect special-status species and their habitat.
- **U.S. Army Corps of Engineers (COE)**—The project may affect wetland habitat and require a permit for discharge of dredged or fill material pursuant to Section 404 of the federal Clean Water Act.
- **State Reclamation Board**—The project may be subject to rules regarding encroachment into existing floodways.
- **Federal Emergency Management Agency (FEMA)**—Letters of map revision need to be filed with FEMA for projects that affect Flood Insurance Rate Maps.
- **California Department of Fish and Game**—If alterations to streams or lakes are required as part of project implementation, a Streambed or Lakebed Alteration Agreement may be required.
- **Local governments and special districts**—Specific agreements for rights-of-way, encroachments, use permits, or other arrangements may need to be made with local entities in the vicinity of the project.

A draft CEQA environmental checklist has been prepared for this proposed project and is included as an attachment to this evaluation. The checklist provides a preliminary assessment of the environmental areas of concern, as well as areas that are not likely to be of concern, associated with this project. The checklist would be finalized as part of the environmental compliance required for project implementation.

## 5. Implementation Challenges

The major challenge in implementing the project would be garnering the willing participation of individual farmers. The challenge here, similar to numerous other areas, is to have farmers that have only pumped groundwater change their practices and pump groundwater when sufficient surface water is not available. This practice will not be easy to change and would require a good faith commitment on the part of all involved.

### Key Stakeholders

The key stakeholders in the proposed project are the District, the City, and farmers within the potential service area of approximately 6,000 acres. Without the full support and willingness of the farmers to utilize surface water supplies when available, the proposed project cannot be implemented. The increments of water supplies involved may appear small; however, the benefits of effecting a collaborative process that allows the proposed project to be implemented, can be significant in terms of relationships and community confidence to

address other projects and programs to enhance the management of available water supplies in the future.

A public involvement/stakeholders process would be implemented through the Water Resources Association of Yolo County of which the District and City are members.

A number of environmental impacts must be addressed for a full-scale long-term conjunctive use program in Yolo County. Terrestrial impacts are not anticipated to be significant, and recharge facilities would be sited in areas of previous agricultural activity. However, groundwater level induce impacts would need to be fully examined to determine the secondary impacts associated with varying groundwater levels. In addition, surface water impacts on fisheries because of changed flow regimes would need to be examined.

## 6. Implementation Plan

It is proposed that the Project be implemented in two phases, as discussed previously. Phase 1, Project Formulation and Feasibility Analysis, would involve a very deliberate collaborative process involving the stakeholders and general public. The success of this project and the process will aid significantly in implementing similar water management and monitoring programs in other areas of Yolo County.

Presented on the following pages is a description of the tasks anticipated to bring the project to a successful conclusion. Figure 19A-3 is the proposed implementation schedule for the project. The actual schedule may vary depending upon the timing for construction.

### Phase 1 – Project Formulation and Feasibility Analysis

#### 1. Project management and coordination

**1a. Project management**—The work to be performed for the feasibility study will be managed by a Project Manager in general conformance with the Project Schedule and Budget. The Project Manager would make and track assignments, overall work, and budget. A Project Advisory Group, comprised of representatives of the District, the Y-ZWD, and representatives of the stakeholders, would be established to provide input and guidance during the course of the feasibility study.

**1b. Stakeholder/agency coordination**—Once the Stakeholders Group is established, regular communication would be maintained to keep interested parties apprised of the work. Additionally, the Water Resources Association of Yolo County, and the Farm Bureau would be kept apprised of the study on a regular basis.

**2. Status reports**—The District would prepare a status report on the work performed monthly. The report would document the status of the work in relation to the schedule and highlight notable items. Also, the status report would document the budget and highlight apparent or potential problems affecting the scope of work or schedule. Quarterly reports would be prepared for the DWR in keeping with the requirements of the grant program.

**3. Stakeholders group**—At the onset of the work, a stakeholders group would be established. The stakeholders group would be convened at timely intervals to review the Project purpose, assist in configuring the scope of the Project, and fundamentally to assist in

defining critical thresholds among water users to determine the financial feasibility of the Project.

The principal stakeholders in the proposed Project are the individual farmers, Y-ZWD, and the District. The names and addresses of all property owners within the proposed Project service area would be obtained from the Assessor's office. All landowners within the vicinity of the proposed Project would be contacted and informed of the Project and to determine the interest and willingness to participate as a stakeholder. Notice would also be provided in the local newspaper, the Daily Democrat, to ensure the best possible participation of those having an interest in the Project.

**4. Stakeholder workshops**—Workshops would be conducted at strategic times during the study to inform the stakeholders of the work, work progress, and in particular to gain from them, the critical items affecting the success of the Project. Input received from the stakeholders would assist in formulating alternatives and details of the Project.

**5. Water supply model and groundwater model**—A reservoir operations model was developed for the District in 1976, and updated in the early 1980s, when the District was investigating hydroelectric projects. To facilitate a better understanding of the District's water supply system (Clear Lake, Indian Valley, and Cache Creek) the model would be updated. The updated model would be used to assess the reliability of its surface water supply and the benefits to groundwater storage. There have been years when the District has little or no surface water supply. During these periods, groundwater supplies are used entirely to meet agricultural water needs.

Concurrently, the District would coordinate with DWR to determine how to best update and interface with DWR's groundwater model for use in determining the impact of the project and an overall water management strategy for utilizing the District's water supplies to improve water supplies in the Y-ZWD.

**6. Alternative formulation and evaluation**—Alternatives for delivering irrigation water to the potential service areas would be formulated and reviewed with landowners directly impacted, to determine the location and type of facilities to construct (i.e., open channels, pipelines, gravity or pumped turnouts, etc.). The earlier work performed by the District would be used to assist in formulating alternatives. With the alternative alignments confirmed, topographic surveys would be performed to determine layouts, costs, and real estate needs. The manner in which easements and rights-of-way for the construction and ongoing operation and maintenance should be handled would be determined. Comparative cost estimates and qualitative assessments for various service areas would be made. Landowner participation and acceptance would weigh heavily in the ranking of the alternatives.

**7. Preferred alternative selection**—Based upon the evaluation of alternatives performed under Task 6 and the response from affected landowners, a preferred alternative would be selected. This alternative would be defined in more detail and subject to more detailed evaluation and assessment in subsequent tasks.

## **8. Preliminary Design**

**8a. Supplemental topographic surveys**—The topographic surveys obtained in Task 6 would be supplemented as necessary to adequately address the preferred alternative.

**8b. Feasibility-level design drawings**—Project facilities, including canals, pipelines, water control structures, and turnouts would be sized and engineering drawings would be prepared. Plan and profile drawings would be prepared for the canals and pipelines and typical layouts would be prepared for the various structures.

**9. Environmental assessment and permitting**—With the scope of the project defined, an initial study would be prepared to assess the environmental impacts and determine whether a Negative Declaration, Mitigated Negative Declaration, or Environmental Impact Report is needed. The District would be the lead agency for CEQA compliance issues. It is not apparent at this time that NEPA compliance issues exist; however, a determination would be made of NEPA requirements. If NEPA needs to be addressed, a determination of the lead agency would need to be made. It is not anticipated that the CEQA process would be completed in this feasibility study. Prior to Project implementation, however, the CEQA process would be completed. Similar to CEQA, the NEPA process would be completed after the feasibility study and prior to Project implementation.

As part of this task, the permits required to construct the project would be identified. Encroachment permits would be required at county road crossings and a Streambed Alteration Permit may be required to make improvements to China Slough, a drainage channel that may be used as the primary water delivery feature.

**10. Benefit assessment**—The primary purpose of the proposed project is to make more efficient use of the District's surface water supplies by expanding the conjunctive use of surface water and groundwater, thereby increasing the supply of groundwater in storage for use during dry periods. The impact of the project on the groundwater basin would be evaluated using DWR's lower Colusa Basin Conjunctive Use model. To simulate the hydrogeologic system in the study area, DWR used the Integrated Groundwater and Surface Water Model (IGSM). IGSM is a comprehensive quasi three-dimensional finite-element model that uses a monthly time step to simulate the major components of the hydrogeologic cycle. The calibration period for the model was October 1980 through October 1994. The impact of the project on the groundwater basin would be evaluated to determine the magnitude of increased storage and changes in groundwater levels, and relative effects on subsidence.

**11. Opinion of probable cost**—A feasibility-level opinion of probable cost would be determined for the preferred project. The costs associated with construction, engineering, and contract administration, interest during construction, land acquisition, and environmental mitigation would be estimated.

**12.. Project feasibility**—Implementation of the proposed project would depend of whether the project is economically feasible, financially feasible, and acceptable to the landowners. Accordingly, each aspect of the Project feasibility and acceptance would be determined.

**12a. Economic and financial feasibility**—On average, it is estimated the project, depending upon its final configuration, could augment groundwater storage in the order of 4,000 to 5,000 acre-feet per year. The economic feasibility would be evaluated in relation to cost of new supplies elsewhere in California. Recognizing the project could be economically

feasible and not financially feasible, special attention would be devoted to the District, Y-ZWD, and landowners to determine the threshold for financial feasibility. The financial feasibility certainly would be affected depending upon the terms and conditions of available funding and cost-sharing arrangements with the District, landowners, and cost of water delivered to the water users.

**12b. Project acceptance**—The District would hold a special stakeholders meeting to determine overall acceptance of the project. The results of this meeting would be documented and incorporated into the feasibility report. Pending the results of the financial feasibility evaluation and project acceptance, the District would pursue Phase 2.

**13. Implementation schedule**—Given a declaration of financial feasibility from landowners and Project acceptance from the stakeholders group, including Y-ZWD, participants of which would also be landowners, the District would prepare an implementation schedule. The schedule would identify all tasks required to implement the Project. The tasks would include environmental documentation and compliance, obtaining permits, obtaining funding, preparing construction plans and specifications, and acquiring easements and rights-of-way.

**14. Monitoring program**—A program to monitor impacts from the Project would be developed. This would include documenting surface water delivered, the quality of surface water delivered and groundwater, and groundwater levels at an array of wells. The groundwater monitoring network would include wells currently monitored by the District, the U.S. Bureau of Reclamation, and wells monitored by the aggregate industry along Cache Creek.

This monitoring program would be a component of the District's surface water and groundwater monitoring program implemented as Action Items D and E of the Plan. The monitoring program, at least the groundwater element, would be implemented in advance to document baseline conditions and confirm the format for compiling and presenting data.

**15. Draft report**—A draft feasibility report would be prepared and made available to the stakeholders group, general public, and DWR for review and comment. A written response would be provided to all comments. The comments and responses would be reviewed at a meeting of the stakeholders group.

**16. Final report**—The study would be finalized. Copies of the comments and responses would be included as an appendix.

## **Phase 2 - Design And Construction**

**1. CEQA/NEPA and Permitting Compliance**—Documentation for CEQA/NEPA compliance would be prepared consistent with the results from Phase 1, Task 9. Although it is anticipated that a Mitigated Negative Declaration and Finding of No Significant Impact would suffice, this remains to be determined. Encroachment permits from the county and Caltrans would be required for construction/improvement of facilities under county roads and work near Interstate 5.

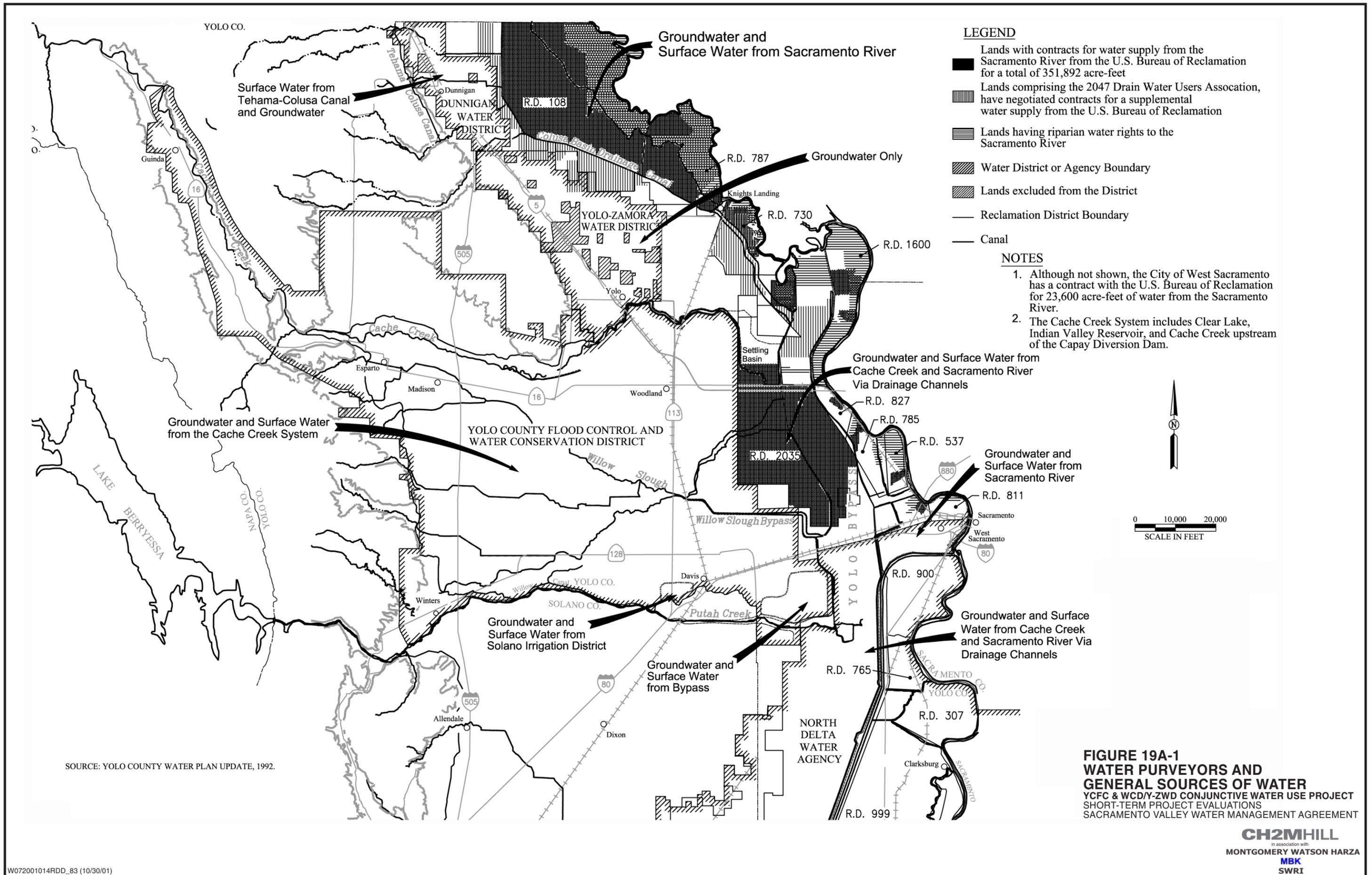
**2. Design memorandum**—Using information developed in Phase 1, a Design Memorandum or Basis for Design would be prepared to guide the design and sizing of project facilities.

**3. Construction plans and specifications**—Construction plans and specifications would be prepared for the selected project. Submittals for review by the District would be made at 50 percent, 90 percent, and 100 percent. The specifications would be prepared in CSI format. The specifications would be combined with the District’s General Conditions, Notice to Bidders, Contract, etc., for a complete bid package. Separate construction plans and specifications would be prepared for the groundwater monitoring wells.

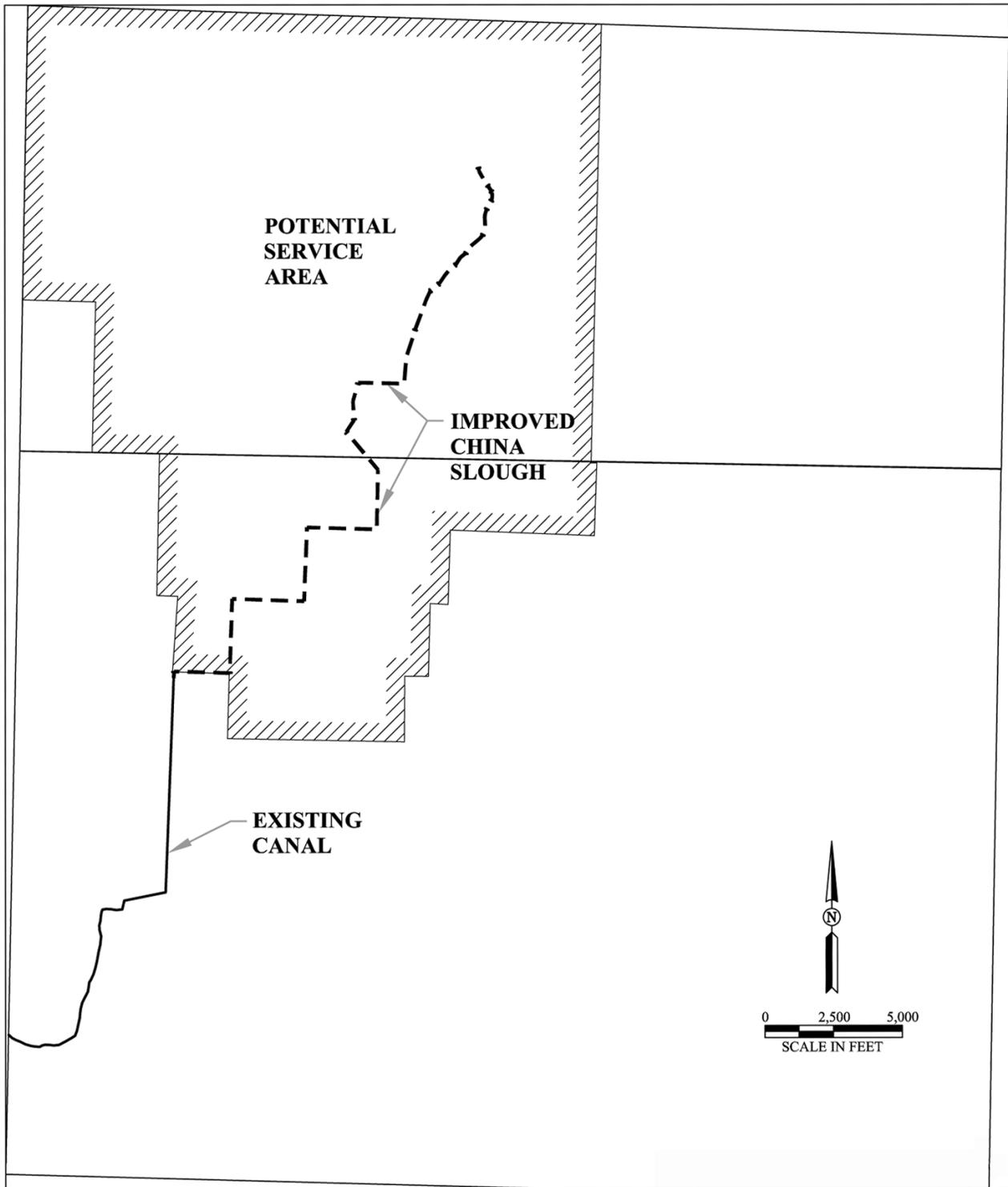
**4. Contract bid and award, and facilities**—The Project would be advertised and bid following the District’s rules and regulations. The lowest responsible bidder would be selected for construction of the Project. The same would be done for constructing the groundwater monitoring wells.

**5. Contract administration and construction quality assurance**—A quality assurance program would be developed and implemented commensurate with the constructed facilities. The construction contract would be administered consistent with the Contract Documents and progress payments processed accordingly.

**6. Groundwater monitoring facilities**—If found necessary in Phase 1, supplemental wells would be installed.



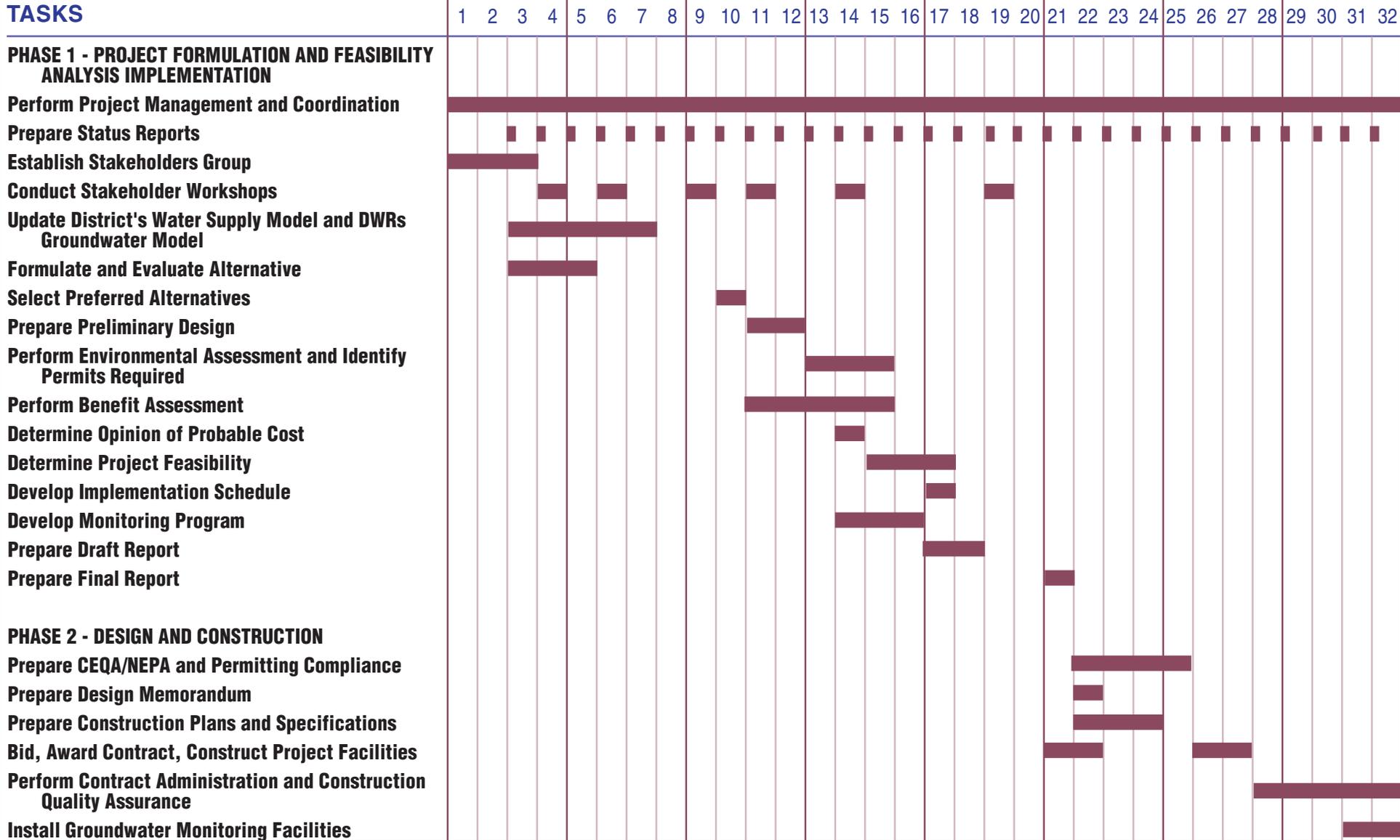
SOURCE: YOLO COUNTY WATER PLAN UPDATE, 1992.



BASED ON WOODLAND AND EL DORADO BEND QUADRANGLES

**FIGURE 19A-2**  
**PROJECT LOCATION MAP**  
 YCFC & WCD/Y-ZWD CONJUNCTIVE WATER USE PROJECT  
 SHORT-TERM PROJECT EVALUATIONS  
 SACRAMENTO VALLEY WATER MANAGEMENT AGREEMENT

**CH2MHILL**  
in association with  
**MONTGOMERY WATSON HARZA**  
**MBK**  
**SWRI**



**FIGURE 19A-3**  
**PRELIMINARY IMPLEMENTATION SCHEDULE**  
 YCFC & WCD/Y-ZWD CONJUNCTIVE WATER USE PROJECT  
 SHORT-TERM PROJECT EVALUATIONS  
 SACRAMENTO VALLEY WATER MANAGEMENT AGREEMENT



**Project 19A—Draft CEQA  
Environmental Checklist**

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## Project 19A—Environmental Factors Potentially Affected:

The environmental factors checked below would be potentially affected by this project, involving at least one impact that is a “Potentially Significant Impact” as indicated by the checklist on the following pages.

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> Aesthetics                    | <input type="checkbox"/> Agriculture Resources              | <input type="checkbox"/> Air Quality            |
| <input type="checkbox"/> Biological Resources          | <input type="checkbox"/> Cultural Resources                 | <input type="checkbox"/> Geology/Soils          |
| <input type="checkbox"/> Hazards & Hazardous Materials | <input type="checkbox"/> Hydrology/Water Quality            | <input type="checkbox"/> Land Use/Planning      |
| <input type="checkbox"/> Mineral Resources             | <input type="checkbox"/> Noise                              | <input type="checkbox"/> Population/Housing     |
| <input type="checkbox"/> Public Services               | <input type="checkbox"/> Recreation                         | <input type="checkbox"/> Transportation/Traffic |
| <input type="checkbox"/> Utilities/Service Systems     | <input type="checkbox"/> Mandatory Findings of Significance |   |

### Determination:

(To be completed by the Lead Agency)

On the basis of this initial evaluation:

- I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.
- I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.
- I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.
- I find that the proposed project MAY have a “potentially significant impact” or “potentially significant unless mitigated” impact on the environment, but at least one effect 1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and 2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.
- I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Printed Name

\_\_\_\_\_  
For

Issues:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporation	Less Than Significant Impact	No Impact
<b>I. AESTHETICS</b> —Would the project:				
a) Have a substantial adverse effect on a scenic vista?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Substantially degrade the existing visual character or quality of the site and its surroundings?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Short-term impacts from increased noise and dust emissions could occur as a result of construction. Mitigation measures implemented for noise and air quality would reduce any impacts to a less than significant level.</i>				
d) Create a new source of substantial light or glare, which would adversely affect day or nighttime views in the area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>II. AGRICULTURE RESOURCES</b> —Would the project:				
a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>III. AIR QUALITY</b> —Where available, the significance criteria established by the applicable air quality management or air pollution control district may be relied upon to make the following determinations. Would the project:				
a) Conflict with or obstruct implementation of the applicable air quality plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Violate any air quality standard or contribute substantially to an existing or projected air quality violation?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Increased air emissions could result from construction of the project. Implementation of best management practices (BMP) during construction would reduce the amount of emissions, and reduce the impact to a less than significant level.</i>				
c) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors).	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Expose sensitive receptors to substantial pollutant concentrations?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e) Create objectionable odors affecting a substantial number of people?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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<b>IV. BIOLOGICAL RESOURCES</b> —Would the project:				
a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?  <i>Known Endangered Species Act (ESA)-listed species such as the valley elderberry longhorn beetle and the giant garter snake are within the area. Additionally, sensitive riparian habitat exists in and around the project site. Project construction scheduling would have to reflect environmental regulatory requirements including any limitation on windows of construction.</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Game or US Fish and Wildlife Service?  <i>See response to IV (a) above.</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act, (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?  <i>See response to IV (a) above.</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or, impede the use of native wildlife nursery sites?  <i>See response to IV (a) above.</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?  <i>The removal of some vegetation may be required for construction of the project. Mitigation measures would be implemented to replace vegetation removed during construction, which would reduce the impact to a less than significant level.</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?  <i>See response to IV (a) above.</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>V. CULTURAL RESOURCES</b> —Would the project:				
a) Cause a substantial adverse change in the significance of a historical resource as defined in §15064.5?  <i>A significant impact would occur if a cultural resource were to be disturbed by activities associated with project development. In the event that an archaeological resource was discovered, appropriate measures would be undertaken to minimize any impacts.</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5? <i>See response to V (a) above.</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature? <i>See response to V (a) above.</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d) Disturb any human remains, including those interred outside of formal cemeteries? <i>See response to V (a) above.</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>VI. GEOLOGY AND SOILS—Would the project:</b>				
a) Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving:				
i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
ii) Strong seismic ground shaking?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
iii) Seismic-related ground failure, including liquefaction?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
iv) Landslides?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Result in substantial soil erosion or the loss of topsoil?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction, or collapse?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>VII. HAZARDS AND HAZARDOUS MATERIALS—</b>				
Would the project:				
a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?  <i>Construction equipment would require the use of potentially hazardous materials. The potential for a significant hazardous material spill would be unlikely because of the limited amount of such materials that would be used onsite. If a spill or release of such materials were to occur, it could potentially be significant unless BMPs were implemented.</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) For a project within the vicinity of a private airstrip, would the project result in a safety hazard for people residing or working in the project area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
g) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
h) Expose people or structures to a significant risk of loss, injury, or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b><u>VIII. HYDROLOGY AND WATER QUALITY—</u></b>				
Would the project:				
a) Violate any water quality standards or waste discharge requirements? <i>Increases in turbidity would be likely to occur during any in-stream construction work. Additionally, there is a potential for an increase of erosion and sedimentation from construction activity. This could be a significant impact and would require an erosion control plan and the implementation of BMPs to reduce any impacts to waterways in and around the project area.</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner which would result in substantial erosion or siltation on- or off-site?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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e) Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) Otherwise substantially degrade water quality?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g) Place housing within a 100-year flood hazard area as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
h) Place within a 100-year flood hazard area structures which would impede or redirect flood flows?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
i) Expose people or structures to a significant risk of loss, injury, or death involving flooding, including flooding as a result of the failure of a levee or dam?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
j) Inundation by seiche, tsunami, or mudflow?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>IX. LAND USE AND PLANNING</b> —Would the project:				
a) Physically divide an established community?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the project (including, but not limited to the general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?  <i>Short-term impacts from increased noise and dust emissions could occur as a result of construction. Mitigation measures implemented for noise and air quality would reduce any impacts to a less than significant level.</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Conflict with any applicable habitat conservation plan or natural community conservation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>X. MINERAL RESOURCES</b> —Would the project:				
a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>XI. NOISE</b> —Would the project result in:				
a) Exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies.  <i>Short-term noise levels are expected to increase for the duration of construction. These noise increases would be temporary, and mitigation measures would be implemented to reduce any impact to a less than significant level.</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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c) A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) For a project within the vicinity of a private airstrip, would the project expose people residing or working in the project area to excessive noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>XII. POPULATION AND HOUSING—Would the project:</b>				
a) Induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>XIII. PUBLIC SERVICES—Would the project:</b>				
a) Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Fire protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Police protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Schools?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Parks?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Other public facilities?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>XIV. RECREATION—Would the project:</b>				
a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Does the project include recreational facilities or require the construction or expansion of recreational facilities, which might have an adverse physical effect on the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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<b>XV. TRANSPORTATION/TRAFFIC—Would the project:</b>				
a) Cause an increase in traffic, which is substantial in relation to the existing traffic load and capacity of the street system (i.e., result in a substantial increase in either the number of vehicle trips, the volume to capacity ratio on roads, or congestion at intersections)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Exceed, either individually or cumulatively, a level of service standard established by the county congestion management agency for designated roads or highways?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Result in inadequate emergency access?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) Result in inadequate parking capacity?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
g) Conflict with adopted policies, plans, or programs supporting alternative transportation (e.g., bus turnouts, bicycle racks)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>XVI. UTILITIES AND SERVICE SYSTEMS—</b>				
Would the project:				
a) Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Require or result in the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Result in a determination by the wastewater treatment provider, which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g) Comply with federal, state, and local statutes and regulations related to solid waste?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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<b><u>XVII. MANDATORY FINDINGS OF SIGNIFICANCE</u></b>				
a) Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Does the project have environmental effects, which will cause substantial adverse effects on human beings, either directly or indirectly?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>