

Basinwide Water Management Plan

Sub-basin-level Water Measurement

1. Project Description

<i>Project Type:</i>	Groundwater surface water planning
<i>Location:</i>	Sacramento Valley
<i>Proponent(s):</i>	Basinwide Water Management Plan (BWMP) participants (Anderson-Cottonwood Irrigation District (ID), Reclamation District No. 108 (RD 108), Glenn-Colusa ID, Princeton-Codora-Glenn ID, Maxwell ID, RD 1004, M&T Chico Ranch, Sutter Mutual Water Company (MWC), Pelger MWC, Natomas Central MWC, Colusa Basin Drain MWC)
<i>Project Beneficiaries:</i>	Water users throughout the Sacramento Basin including the environment, potential out-of-basin benefits
<u>Total Project Components:</u>	Feasibility study, design and construction of water measurement facilities
<i>Potential Supply:</i>	None (project intends to provide improved management of existing water supplies)
<i>Cost:</i>	\$9.7 million, exclusive of land acquisition
<i>Current Funding:</i>	\$100,000 CALFED Water Use Efficiency grant
<u>Short-term Components:</u>	Feasibility study, design, and construction of half of the required water measurement facilities
<i>Potential Supply (by 2003):</i>	None
<i>Cost:</i>	\$5.6 million, exclusive of land acquisition
<i>Current Funding:</i>	\$100,000 CALFED Water Use Efficiency grant
<i>Implementation Challenges:</i>	Coordination among public agencies
<i>Key Agencies:</i>	BMWP Participants, U.S. Bureau of Reclamation (USBR); California Department of Water Resources (DWR), U.S. Fish and Wildlife Service (USFWS), California Department of Fish and Game (CDFG), Corps of Engineers (COE), Regional Water Quality Control Board (RWQCB), and potentially Environmental Protection Agency (EPA; if listed species are present)

Summary

The Sacramento River BWMP Sub-basin-level Water Measurement Program is intended to facilitate improved water management at a sub-basin level. Currently, water management and measurement occur primarily at a district level throughout the Sacramento Valley. Several of the larger Sacramento River Settlement Contractors (SRSCs) have been working cooperatively with USBR and DWR since 1997 to develop the BWMP, which evaluates existing and future basin water requirements, supplies, and potential management options that would improve overall basinwide water management and use while providing environmental benefits.

Among the many BWMP recommendations is to manage water among districts and, ultimately, other entities at a hydrologic sub-basin level. This would help to optimize the efficient use of surface water and groundwater supplies and achieve the appropriate level of drain- and return-flow water use between water users located within a given sub-basin. Management at this level requires that inflows and outflows be tracked and quantified. Currently, measurement capabilities do not exist at the locations necessary to support this kind of tracking at a sub-basin level. This project proposes supervisory control and data acquisition (SCADA)-based water measurement capable of providing real-time flow data to facilitate improved water management operations. The sub-basins considered in the BWMP to implement the measurement program are listed below and also shown on Figure 11A-1.

- **Redding Sub-basin** (Anderson-Cottonwood ID)
- **Colusa Sub-basin** (RD 108, Glenn-Colusa ID, Princeton-Codora-Glenn ID, Provident ID, Maxwell ID, Colusa Basin Drain MWC, and Tehama-Colusa Canal Authority [TCCA])
- **Sutter Sub-basin** (Sutter MWC, Pelger MWC, Meridian Farms MWC, and Tisdale ID)
- **Butte Sub-basin** (RD 1004, M&T Chico Ranch)
- **American Sub-basin** (Natomas Central MWC)

Consistency with Local and Regional Water Management Plans

Redding Sub-basin: The Anderson-Cottonwood ID is one of the 14 water providers within the Redding Sub-basin working with the Redding Area Water Council on a regional water resources planning effort that began in 1996. In the first phase, current land uses and associated water demands were quantified for each purveyor. Current efforts are geared toward defining the core elements of a plan for regional management of the Redding Basin's water resources through the year 2030. This water measurement program proposes consistent solutions with the core elements of the regional plan that would help quantify water inflow and outflow at key locations within the Redding Sub-basin and assist in evaluating future water management options.

Colusa Sub-basin: Water users within this sub-basin began coordinating sub-basin management through the transfer of water between water users. This is possible because of the flexibility in project water transfers provided by the Central Valley Project Improvement Act (CVPIA). This sub-basin management has resulted in improved community relations and communication and has not increased consumptive use of water within the sub-basin. This management would assist in sustaining long-term production agriculture and is based on

the collective knowledge of historical flows and water needs within the sub-basin, together with a mutual trust and desire to optimize water management. Measuring inflow and outflow would allow these water users to take another major step in optimizing water management and ensuring sustainable agriculture in Sacramento Valley.

American Sub-basin: Within this basin, sub-basin management effort has begun through the Sacramento Area Water Forum (of which Natomas Central MWC is a member). The Sacramento North Area Groundwater Management Authority and the American River Basin Cooperating Agencies are investigating various potential groundwater and conjunctive use projects. The proposed program complements these ongoing efforts.

Sacramento Basin: The primary goal of the project is to manage water at a sub-basin level, which is recommended in the BWMP as a beneficial method of assisting in improving water supply reliability, water quality, and maximizing environmental benefits, including reducing river diversions during critical periods to support fishery and wildlife resources. The critical step toward sub-basin management is the ability to measure inflow and outflow at a sub-region level. It is recognized that such an effort would require coordination across several user groups; the cooperative development of recommendations such as this program among SRSCs, USBR, and DWR has been a major step in developing the necessary support for such a program.

Another intent of the project is to provide the inflow and outflow information to all entities within each sub-basin as well as to USBR and DWR. Again, the availability of this information would allow for improved ability to track flows into and out of sub-basins and promote the benefits associated with managing supplies at a sub-basin level. The proposed program is an outgrowth of the ongoing BWMP and its participants, which includes the objective of providing sustainable water supplies across the entire Sacramento River basin, maximizing environmental benefits, and enhancing partnership opportunities.

The proposed sub-basin water measurement program is also consistent with the CVPIA, which calls for water conservation “with the purpose of promoting the highest level of water use efficiency reasonably achievable by project contractors.” This program is also working toward the goals set forth by the CALFED Bay-Delta Program’s Water Use Efficiency Program.

Short-term Component

The proposed water measurement program would not produce new water supply in the Sacramento Basin. The intention is to improve water management throughout the basin by measuring water at the sub-basin level to improve regional water use efficiency and make better use of existing water supplies. Since the total project comprises installation of many small measurement structures with minimal environmental impacts, it is proposed as a project that could be completed by December 2004. However, full project implementation could take 3 to 10 years, depending on funding and project coordination. The following tasks describe the short-term components, which are tasks to be completed by the end of 2003.

Task 1: Feasibility Study

Initial effort would focus on collecting and reviewing existing information to assist in identifying the appropriate hydrologic locations to install measurement facilities within each sub-basin. A consistent approach to selecting the measurement location and type of facility would be adopted by involving program participants across sub-basins. The task of selecting appropriate measuring locations would focus on existing knowledge of potential locations, including specific district knowledge and studies, existing and likely future land use and ownership, and associated facilities and infrastructure that may be required to support measurement at each location.

This task would also include additional investigation and site reviews to ensure the feasibility of all locations. Selection factors would include: hydrology (known or determined appropriate location to measure sub-basin inflow or outflow), existing and future land use, land ownership, site accessibility, and environmental impacts. The BWMP participants have estimated that 74 measurement sites would adequately measure inflows and outflows at the sub-basin level. Numerous potential locations for measurement devices have been identified in each sub-basin and are listed below.

- **Redding Sub-basin:** Anderson Creek, Crowley Gulch, North Fork Cottonwood Creek, Cottonwood Creek, Battle Creek, Bear Creek, Cow Creek
- **Colusa Sub-basin:** Tehama-Colusa Canal (at Stony Creek), Willow Creek, Logan Creek, Boundurant, Colusa Drain (at Maxwell Diversion, Highway 20, Davis Weir, Tule Road, Knights Landing), Northeast Drain, Stone Corral Creek, Freshwater/Salt Creek, Powell Slough, Riggs Pumping Plant, Rough and Ready Pumping Plant, El Dorado Pumping Plant, Knights Landing Ridge Cut
- **Sutter Sub-basin:** (south) RD 1500 Main Drain Pumping Facilities (Kamack), Sutter MWC Main Canal (below Tisdale Pumping Plant), Sutter MWC West Canal (below Tisdale Pumping Plant) Sutter MWC East Canal, Sutter MWC Central Canal; (North) RD 70 Pumping Plant, RD 1660 Main Pumping Plant (#2, #3, and #4), miscellaneous locations
- **Butte Sub-basin:** Big Chico Creek, Little Dry Creek, Cherokee Canal, Drumheller Slough, Angel Slough, Howard Slough
- **American Sub-basin:** Natomas Cross Canal, RD 1000 Pumping Plant, miscellaneous locations

Some potential locations may already have flow measurement devices or water quality monitoring devices operated by the U.S. Geological Survey (USGS) or DWR. These facilities may be incorporated and/or modified for the proposed sub-basin measurement program.

The potential exists that some measurement facility locations may not be within the boundaries of participating districts. In these cases, the siting of facilities would be coordinated directly with the affected landowners to the mutual satisfaction of the participating districts and landowners.

Task 2: Design of Measurement Facilities

Facility types would be evaluated and designed for locations determined feasible in Task 1. Designs would be based on site-specific hydraulics and site conditions. All devices would be sized appropriately for existing and projected in-channel flows. The design would include the measurement structure and an acoustical stage measurement device. The larger facilities would likely require hydraulic modeling to support facility sizing. Construction drawings and specifications would be developed for each facility to allow for construction by participating district personnel or outside contractors.

The design task would include providing environmental documentation and obtaining permits required prior to construction for each of the facilities. The measurement facilities, ranging from small meters to potentially larger weirs, would be sited to minimize environmental impacts. Overall, the environmental impact and required documentation is expected to be minimal.

A critical aspect of the design task would be to prioritize all of the measurement facility locations. While all potential measurement sites would produce valuable data to assist in water management decisions, the sites must be prioritized to provide positive results immediately (i.e., critical inflow or outflow points severely lacking flow data). Ideally, construction would begin on the critical sites as soon as design is completed. Designing of lower-priority sites would continue as the high-priority sites are constructed.

Another approach would be designing and constructing all facilities in one sub-basin at a time, thus maximizing the management benefits in regional increments. Initial work in this design phase would involve all stakeholders to develop the total program implementation plan.

Task 3: Construction of Measurement Facilities

Construction of approximately 74 new measurement facilities distributed throughout all five sub-basins is projected. It is anticipated that the facilities could be constructed over a two-year period after completion of Tasks 1 and 2. Construction would begin on individual measurement facilities soon after the construction documents are complete and necessary permits obtained. Approximately half of the required facilities could be constructed by the end of 2003. The remaining half would be constructed in the long-term component described below.

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.

The proposed measurement project is planned for implementation over 3 years, although full implementation could take up to 10 years. Since the project involves five sub-basins

with each basin having various water entities, coordination and funding would be the main factors determining the duration of project implementation. All remaining measurement facilities required to complete the sub-basin measurement network would be constructed in the long-term component. For cost estimating purposes, it is assumed that half of the facilities would be constructed after 2003.

2. Potential Project Benefits/Beneficiaries

The proposed construction of new water measurement facilities is expected to generate numerous benefits for both the local and regional water users. The beneficiaries of this program include BWMP participants (SRSCs), Central Valley Project (CVP) Service Contractors, other water users in the Sacramento Valley, downstream users, the environment, and the Sacramento-San Joaquin Delta. Measurement of inflows and outflows at the sub-basin level would promote efficient water management and operations that could assist in meeting local water demands, improving water quality, and reducing surface water diversions, thereby enhancing fish and wildlife habitat.

Water Supply

The project would not produce new water at the sub-basin level. The primary intention is the measurement of inflow-outflow of water at the sub-basin level toward management of each sub-basin across the valley. There may not be a direct increase in supply for water-short areas, but improved water management may allow increased water transfers to local water-short areas, such as TCCA member districts and out-of-basin users. Through improved management, additional water could become available to meet in-basin, and/or out-of-basin, and/or environmental needs.

Water Management

The most significant benefit and predominant goal of the project is increased water use efficiency. The sub-basin-level water measurement of the Sacramento Valley would provide the inflow and outflow data required to substantially improve water management decisions.

Environmental

As the Sacramento Valley's primary source of supply, the Sacramento River would be directly and most beneficially influenced by the efficient use of its water supply. Some environmental benefits that have been identified at this level of investigation include:

- **Sacramento-San Joaquin Delta**—A decrease in surface water diversions has the potential for increasing available seasonal inflows to the Delta
- **Aquatic/Riparian Habitat**—Improved in-stream flows would generate expected fisheries benefits, both in terms of water quality and flow requirements

Water Quality Benefits

Water quality benefits of the project generally stem from the increased in-stream flows. Improvements to both temperature and constituent properties of the river would be the most probable results of the increased flows. These benefits would need to be evaluated and

modeled on a regional basis to determine impacts on water quality in the Sacramento River and the Delta.

Other Benefits

Improved measurement could support changing timing of river diversions to support meeting environmental or other needs. Also, by optimizing agricultural irrigation water supply management, water is potentially available for other beneficial uses in the Sacramento Basin and out-of-basin.

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.

Table 11A-1 presents a planning-level estimate of project costs. The total project is estimated at \$9.3 million dollars. Of this total, \$270,000 was estimated for Task 1 (feasibility study), \$1,630,000 for Task 2 (design) and \$7,400,000 for Task 3 (construction). Task 1, Task 2, and half of Task 3 are planned for completion by the end of 2003 totaling \$5.6 million. The remaining half of construction would cost \$3.7 million.

Typical annual operations and maintenance (O&M) costs for similar projects would range from 1 to 2 percent of initial capital costs. Annual O&M costs would include power costs, inspection and maintenance of measuring devices, data collection, and data reporting. Annual operations and maintenance costs would approach \$93,000 to \$186,000 per year.

TABLE 11A-1
 Planning-Level Project Costs
BWMP Sub-basin-level Water Measurement

	Quantity	Units	Unit Price (\$)	Total Cost (\$ x 1,000)	Assumptions
Redding Sub-Basin					
Water Measurement	7	Each	\$75,000	\$500	Weir & acoustic devices
Colusa Sub-Basin					
Water Measurement	16	Each	\$75,000	\$1,200	Weir & acoustic devices
Sutter Sub-Basin					
Water Measurement	10	Each	\$75,000	\$800	Weir & acoustic devices
Butte Sub-Basin					
Water Measurement	6	Each	\$75,000	\$500	Weir & acoustic devices
American Sub-Basin					
Water Measurement	2	Each	\$75,000	\$200	Weir & acoustic devices
Misc. Locations					
Water Measurement	33	Each	\$75,000	\$2,500	Weir & acoustic devices
				Subtotal ->	\$5,700
				Contingencies and Allowances (30%) ->	\$1,700
				Total Construction Costs ->	\$7,400
				Environmental Mitigation (5%)	\$400
				Engineering, Environmental, Admin (25%) ->	\$1,900
					Feasibility Study = \$270,000
				Total Project Cost ->	\$9,700

Initial Funding Requirements and Sources

Earlier in 2001, the BWMP participants applied for funding of the entire sub-basin measurement project through the CALFED Water Use Efficiency Program. The project was awarded a grant of \$100,000 that will be applied to Task 1, the feasibility study. This project requires an additional \$170,000 to complete the feasibility study and an additional \$9,030,000 for Tasks 2 and 3, the design and construction of approximately 74 measurement facilities.

4. Environmental Issues

As noted in Section 2, this project is anticipated to provide benefits in the form of increased water supply, more flexible water management, and improved water quality – all of which could improve the greater Sacramento River ecosystem.

Project implementation would also result in impacts to the environment, notably through the reduction of spills and surplus flows that may provide environmental benefits. Often,

when these “surplus” flows have been present for an extended amount of time, various entities may consider the water to be an entitlement, and may oppose changes to the flows. In such cases, it is common for projects to be subject to additional environmental scrutiny. Efforts to address these concerns are noted in Section 5, Implementation Challenges. Construction-related impacts would also occur prior to project implementation. Construction-related impacts would be similar to other, common construction projects that occur near seasonal drainages and waterways; however, much of the work that is proposed to occur in the canal itself may be exempt from environmental review. It is likely that the appropriate level of environmental documentation necessary for this project would be a Programmatic environmental impact statement/environmental impact report (EIS/EIR), with site-specific documentation prepared for individual construction efforts.

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

- **State Water Resources Control Board**—Applications for new water rights and changes in point of diversion would be required.
- **Regional Water Quality Control Board**—Large amounts of earthwork would be required for the recharge basins. 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 Lands Commission**—Project would need to consult with State Lands Commission on the public agency lease/encroachment permitting for use of state lands.
- **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.
- **Division of Safety of Dams (DSOD)**—Design and configuration of the storage basins may require permitting and compliance with Dam Safety due to the height of the retention walls. DSOD is structured within DWR.
- **Advisory Council on Historic Preservation**—Consultation under Section 106 of the National Historic Preservation Act may be necessary if historical resources are affected by construction of the project.

- **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 California Environmental Quality Act (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 project implementation would occur in several incremental stages. Some political and environmental issues are related to long-term and consistent decrease intailwater. The project would need to be developed in a manner that supports the objectives of the local and regional water management plans. The following lists some of the implementation challenges anticipated to be associated with this project:

Coordination among Public and Private Entities

Coordination would be required among local, state, and federal entities such as districts and water agencies, USFWS, USBR, and DWR. The governmental agencies would have interests associated directly with the project and indirectly as it may affect other interests in the area. Reliable communication and integrated coordination would be required to create a successful project.

Water Rights Implications

District and water agency participation would be predicated on the operation of such a program and would occur within the guise of the district and water agency existing water rights. Decreases in surface water diversions would be anticipated in some years, while full contract quantities would be used in other years.

Environmental Regulatory Compliance

Extensive environmental documentation, surveying, monitoring, and permitting would be required for this project. Habitat for known Endangered Species Act (ESA)-listed species such as the valley elderberry longhorn beetle and the giant garter snake is present within in the project area. Project scheduling would have to reflect environmental regulatory requirements including any limitation on windows of construction.

Downstream Water Users

Some downstream water users that do not belong to districts and water agencies rely on releases and tailwater as part of their water supply (e.g., Colusa Basin Drain Mutual Water

Company). Decrease of this supply could cause some discontent and political upheaval with such parties.

Key Stakeholders

Table 11A-2 lists the key stakeholders that are expected to be associated with or impacted by the proposed sub-basin level water measurement program.

TABLE 11A-2
 Stakeholder Roles and Issues
Basinwide Water Management Plan Sub-basin-level-water Measurement

Stakeholder	Role/Concerns/Issues
BWMP Participants: Anderson-Cottonwood ID, RD 108, Glen-Colusa ID, Princeton-Codora-Glenn ID, Maxwell ID, RD 1004, M&T Chico Ranch, Sutter MWC, Pelger MWC, Natomas Central MWC	<ul style="list-style-type: none"> • BWMP participation • Sub-basin water management program lead agencies • Measurement cooperators • Land owners
Colusa Basin Drain MWC	<ul style="list-style-type: none"> • Participation in measurement program • Measurement cooperators
Other Sacramento Valley water users (CVP Water Service Contractors, other users)	<ul style="list-style-type: none"> • Sub-basin issues • Measurement cooperators • Land owners
USBR	<ul style="list-style-type: none"> • CVP Service Contracts, Settlement Contracts, CVPIA issues • BWMP participant
DWR	<ul style="list-style-type: none"> • BWMP participant
USFWS	<ul style="list-style-type: none"> • Refuge water use efficiency and supplies • Potential environmental issues
COE and RWQCB	<ul style="list-style-type: none"> • Potential permits
CDFG and EPA	<ul style="list-style-type: none"> • Potential environmental issues, permits

6. Implementation Plan

As noted above, the feasibility study of this program has been partially funded and would begin by the end of 2001. Figure 11A-2 shows a preliminary implementation schedule based on typical time requirements for each step in a project of this scale and assuming that full funding would be attained.

Task 1, the feasibility study, is expected to last 6 months. Task 2 comprises designing the measurement facilities and providing the required environmental documentation over the course of 1 year. Design and environmental work would be a parallel process for each individual measurement facility. Upon completion of construction documents and necessary permits, construction could begin on individual facilities. Task 3, the construction

of facilities, is expected to last 2 years and could begin on individual facilities soon after construction documents are completed.

To facilitate the coordination of numerous measurement facilities spread throughout five sub-basins of the Sacramento Valley, each sub-basin would have a lead coordinator. The coordinators are listed in Table 11A-3.

TABLE 11A-3
Sub-basin Coordinators
Basinwide Water Management Plan Sub-basin-level-water Measurement

Sub-basin	Coordinator
Colusa	RD 108 manager
Redding	Anderson-Cottonwood ID manager
Sutter	Sutter MWC manager
Butte	RD 1004 manager
American	Natomas Central MWC manager

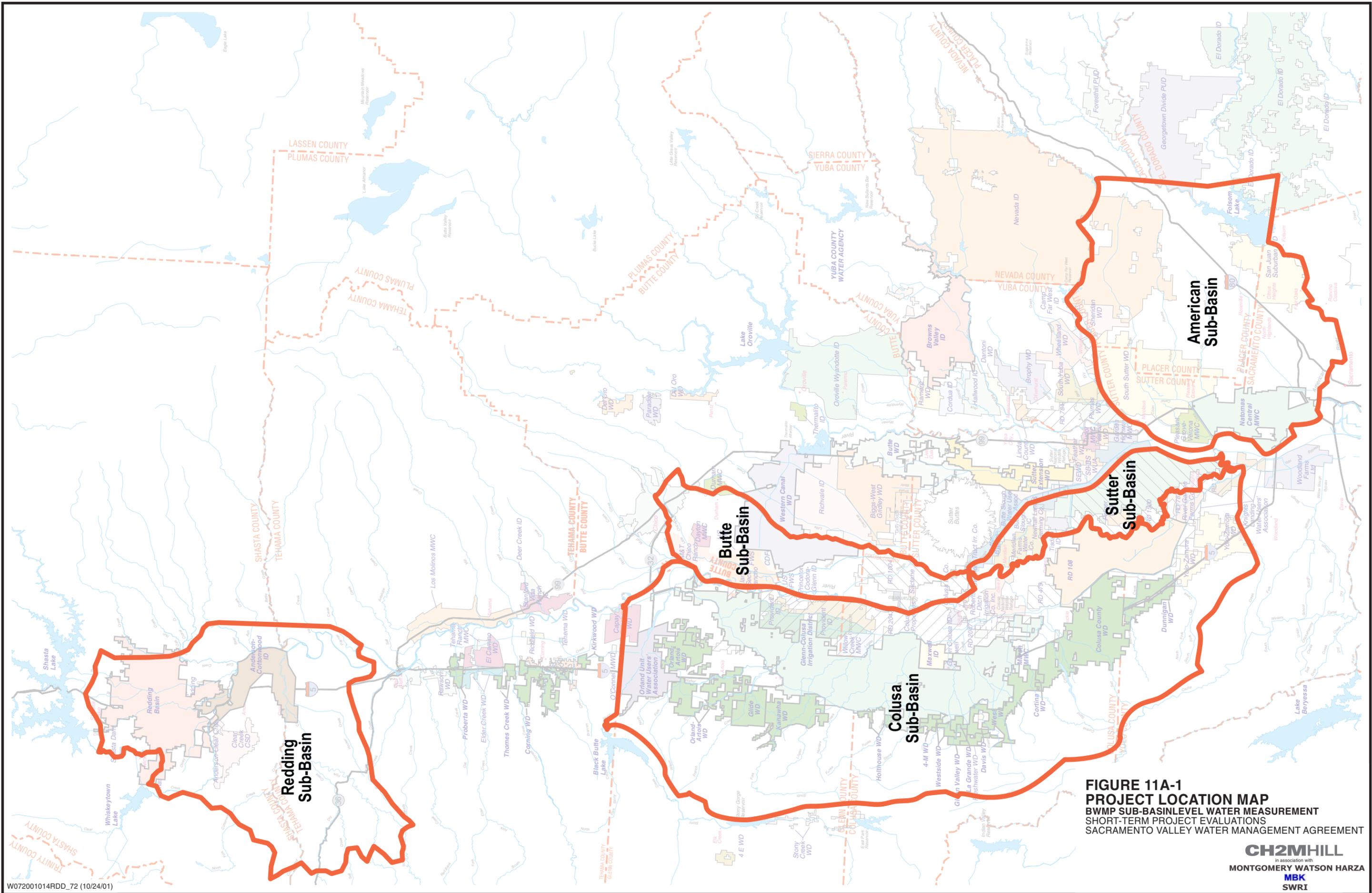


FIGURE 11A-1
PROJECT LOCATION MAP
 BWMP SUB-BASIN LEVEL WATER MEASUREMENT
 SHORT-TERM PROJECT EVALUATIONS
 SACRAMENTO VALLEY WATER MANAGEMENT AGREEMENT

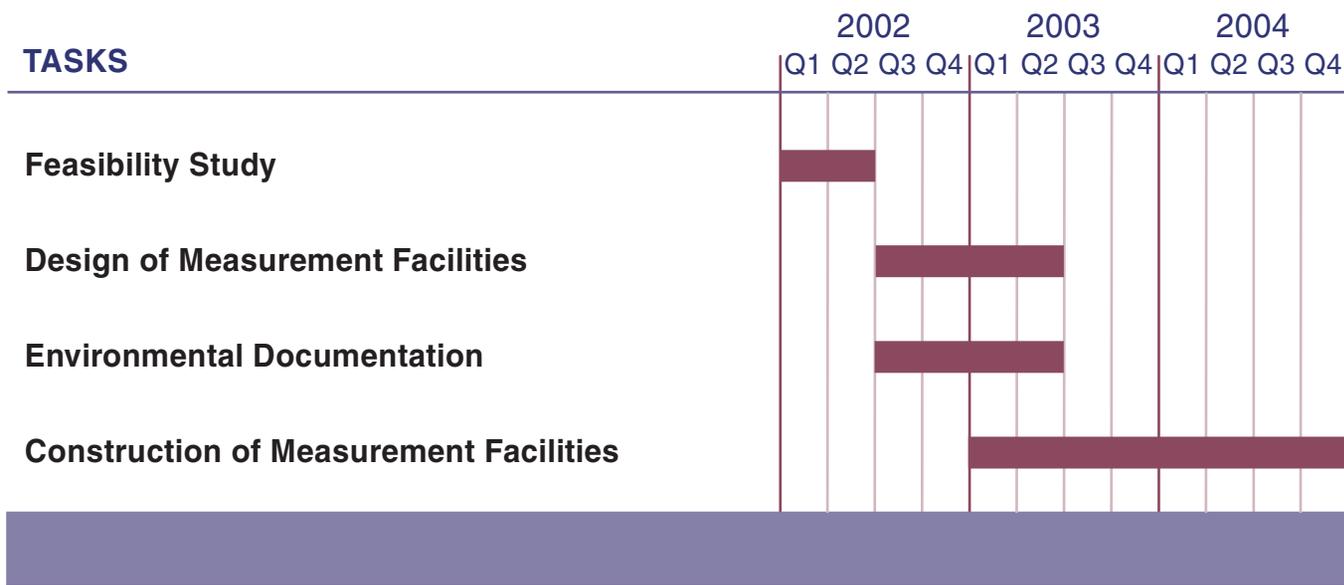


FIGURE 11A-2
PRELIMINARY IMPLEMENTATION SCHEDULE
 BWMP SUB-BASIN-LEVEL WATER MEASUREMENT
 SHORT-TERM PROJECT EVALUATIONS
 SACRAMENTO VALLEY WATER MANAGEMENT AGREEMENT

**Project 11A—Draft CEQA
Environmental Checklist**

Project 11A—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
I. AESTHETICS —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"/>
II. AGRICULTURE RESOURCES —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 checked="" type="checkbox"/>	<input type="checkbox"/>
III. AIR QUALITY —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 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 (BMPs) during construction would reduce the amount of emissions, and reduce the impact to a less than significant level.</i>				
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>See response to III (a) above.</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 checked="" type="checkbox"/>	<input type="checkbox"/>

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<u>IV. BIOLOGICAL RESOURCES</u> —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?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<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>				
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?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>See response to IV (a) above.</i>				
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?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>See response to IV (a) above.</i>				
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?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>See Response to IV (a) above</i>				
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<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>				
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?.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>See response to IV (a) above.</i>				
<u>V. CULTURAL RESOURCES</u> —Would the project:				
a) Cause a substantial adverse change in the significance of a historical resource as defined in §15064.5?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<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>				

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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"/>
VI. GEOLOGY AND SOILS—Would the project:				
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"/>
VII. HAZARDS AND HAZARDOUS MATERIALS—				
Would the project:				
a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Construction equipment would require the use of potentially hazardous materials. The potential for 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>				

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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"/>
<u>VIII. HYDROLOGY AND WATER QUALITY—</u>				
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 would be 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 checked="" type="checkbox"/>	<input 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"/>
IX. LAND USE AND PLANNING —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?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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>				
c) Conflict with any applicable habitat conservation plan or natural community conservation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
X. MINERAL RESOURCES —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"/>
XI. NOISE —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.	<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>				
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"/>
XII. POPULATION AND HOUSING—Would the project:				
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"/>
XIII. PUBLIC SERVICES—Would the project:				
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 type="checkbox"/>	<input checked="" type="checkbox"/>
XIV. RECREATION—Would the project:				
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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<u>XV. TRANSPORTATION/TRAFFIC</u> —Would the project:				
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"/>
<u>XVI. UTILITIES AND SERVICE SYSTEMS</u> —				
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 type="checkbox"/>	<input checked="" type="checkbox"/>
g) Comply with federal, state, and local statutes and regulations related to solid waste?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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<u>XVII. MANDATORY FINDINGS OF SIGNIFICANCE</u>				
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 type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>