

Summary Form for Electronic Document Submittal

Form F

Lead agencies may include 15 hardcopies of this document when submitting electronic copies of Environmental Impact Reports, Negative Declarations, Mitigated Negative Declarations, or Notices of Preparation to the State Clearinghouse (SCH). The SCH also accepts other summaries, such as EIR Executive Summaries prepared pursuant to CEQA Guidelines Section 15123. Please include one copy of the Notice of Completion Form (NOC) with your submission and attach the summary to each electronic copy of the document.

SCH #: _____

Project Title: Madera Lake Pump and Pipeline Project

Lead Agency: Madera Water District

Contact Name: John Gies, General Manager

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Phone Number: (559) 674-4944

Project Location: Madera
City

Madera County
County

Project Description (Proposed actions, location, and/or consequences).

Madera Water District (MWD) proposes to develop a project that would allow water from Madera Irrigation District (MID) or other sources to be brought into Madera WD through Madera Lake. Madera Lake is supplied by an existing turnout off the Fresno River which is fed by the upstream watershed regulated by Hidden Dam on Hensley Lake and from water from the Madera Canal. Water supplies could be from the Central Valley Project Friant Division, Fresno River, or pre-1914 supplies.

Identify the project's significant or potentially significant effects and briefly describe any proposed mitigation measures that would reduce or avoid that effect.

See attached MMRP.

If applicable, describe any of the project's areas of controversy known to the Lead Agency, including issues raised by agencies and the public.

No known areas of controversy.

Provide a list of the responsible or trustee agencies for the project.

Not Applicable

Project Description

Latitude and Longitude

The centroid of the Project area is

Latitude: 37.01725 N
Longitude: -120.00183 W

General Plan Designation

Table 1. Madera County General Plan Designation

Project Area	General Plan Designation
Onsite	AE-Agriculture Exclusive, OS-Open Space
Adjacent Lands	AE-Agriculture Exclusive, OS-Open Space

Zoning

Table 2. Madera County Zone District

Project Area	Zone District
Onsite	ARE-40-Ag Rural Exclusive, 40-ac. minimum parcel size, POS-Public Open Space
Adjacent Lands	ARE-40-Ag Rural Exclusive, 40-ac. minimum parcel size, ARE-20-Ag Rural Exclusive, 20-ac. minimum parcel size, POS-Public Open Space

Description of Project

MWD proposes to develop a project that would allow water from MID or other sources to be brought into MWD through Madera Lake, which is owned and operated by MID. Madera Lake is supplied by an existing turnout off the Fresno River which is fed by the upstream watershed regulated by Hidden Dam on Hensley Lake and from water from the Madera Canal which originates from Millerton Lake. Water supplies could be from the Central Valley Project (CVP) Friant Division, Fresno River, or pre-1914 supplies. Water supplies without existing approvals would require future action for environmental compliance.

The Project entails the installation of a siphon in Madera Lake, siphon inlet channel, booster pump, pipelines, sump and grower turnout to obtain a flowrate of up to 8,000 gpm from Madera Lake, with up to 6,000 gpm delivered into MWD and up to 2,000 gpm delivered to the neighboring grower property from MID or other outside water supplies. Construction may be phased with the work within the Madera Lake property and sump at the siphon terminus being constructed first and the remaining facilities constructed later.

A 26 to 30-inch steel siphon pipe would be supported by a continuous concrete footing constructed on the lakebed below the normal water surface. A small inlet channel would be constructed in the lakebed to direct flows to the siphon at low lake levels. Once above the normal water surface, the steel pipeline would be installed on concrete saddles on the dam embankment side slopes, and buried through the top of the existing dam embankment/roadway. Upon reaching the existing dirt farm road west of Madera Lake, the siphon pipe would be buried three to four feet and then terminate at a sump with booster pump(s). Up to six orchard trees may require removal to facilitate construction of the sump/booster pump and associated electrical service.

The booster pump(s) at the siphon outlet sump will discharge into a 27-inch buried plastic pipeline that will then continue to traverse westerly between orchard rows for about 2,600 feet where the pipeline will continue

in a northerly direction within the existing farm road for about 1,530 feet where a landowner turnout will be installed to serve orchard lands. After the landowner turnout, the pipeline will transition to a 24-inch buried plastic pipe and continue north another approximately 4,160 feet until terminating at a new booster pump station discharging into the existing MWD distribution system near existing MWD Well #3 and reservoir at the northwest corner of the intersection of Avenue 19-½ and Road 29-½ alignments.

Construction of the improvements may be in phases. The inlet channel, siphon and booster pump sump are anticipated to be constructed in the initial phase, whereas the pumps and pipeline may be constructed at a later date.

Environmental Commitments Included in Project Proposal

Due to the potential of suitable grasslands habitat immediately around the lake for California Tiger Salamander (CTS), the following avoidance and mitigation measures will be incorporated into the Project:

- Obtain an Incidental Take Permit (ITP) from the California Department of Fish and Wildlife (CDFW), take authorization from the U.S. Fish and Wildlife Service (USFWS) if needed, and comply with all avoidance, minimization, and mitigation measures required by the ITP and USFWS take authorization;
- Minimize potential CTS burrow impacts in grassland habitat by installing the pipeline above ground on concrete saddles per Project design;
- Prohibit ground disturbance in all potential CTS breeding habitat; and
- Avoid an onsite ruderal pool as well as avoid work in grassland habitat after the first significant rainfall and until the onsite ruderal pool and two adjacent vernal pools are completely dry

Construction

Construction of the Project is anticipated to be completed in one or two phases, with a total five months of active construction time, occurring over a few years. Construction activities will include grading, site installation of the siphon in Madera Lake, booster pumps, pipeline, sump, grower turnout and all associated infrastructure. The inlet channel, siphon and booster pump sump is anticipated to be constructed in the initial phase, whereas the pumps and pipeline may be constructed at a later date. Construction equipment will likely include a post-hole type drill rig, excavators, backhoes, graders, skid steers, loaders, and hauling trucks.

Generally, construction will occur between the hours of 7 am and 7 pm, Monday through Friday, excluding holidays. Post-construction and pre-operation activities will include system testing, commissioning, and site clean-up. Construction will require temporary staging and storage of materials and equipment. There are three potential staging areas located onsite, approximately 1.5-acres in size each: 1) near the proposed sump/booster pump station; 2) northeast of the north/south pipeline alignment and the Avenue 19 alignment and 3) near the pipeline connection at the existing MWD Well No. 3 site. There is also a designated truck turn around area of about 1.1 acres to limit equipment operations on the lakebed.

Although construction is not expected to generate hazardous waste, field equipment used during construction has the potential to contain various hazardous materials such as diesel fuel, hydraulic oil, grease, solvents, adhesives, paints, and other petroleum-based products.

Operation and Maintenance

Operation and maintenance of the new booster pump, pipelines, siphon, sump and grower turnout, will be done by the MWD's existing maintenance staff on an as needed and necessary basis.

Chapter 4 Mitigation Monitoring and Reporting Program

This Mitigation Monitoring and Reporting Program (MMRP) has been formulated based upon the findings of the Initial Study/Mitigated Negative Declaration (IS/MND) for the Madera Lake Pipeline (Project) in the Madera Water District. The MMRP lists mitigation measures recommended in the IS/MND for the Project and identifies monitoring and reporting requirements.

Table 4-1 presents the mitigation measures identified for the Project. Each mitigation measure is numbered with a symbol indicating the topical section to which it pertains, a hyphen, and the impact number. For example, AIR-2 would be the second mitigation measure identified in the Air Quality analysis of the IS/MND.

The first column of **Table 4-1** identifies the mitigation measure. The second column, entitled “When Monitoring is to Occur,” identifies the time the mitigation measure should be initiated. The third column, “Frequency of Monitoring,” identifies the frequency of the monitoring of the mitigation measure. The fourth column, “Agency Responsible for Monitoring,” names the party ultimately responsible for ensuring that the mitigation measure is implemented. The last columns will be used by MWD to ensure that individual mitigation measures have been complied with and monitored.

Table 4-1. Mitigation Monitoring and Reporting Program

Mitigation Monitoring and Reporting Program					
Mitigation Measure/Condition of Approval	When Monitoring is to Occur	Frequency of Monitoring	Agency Responsible for Monitoring	Method to Verify Compliance	Verification of Compliance
Biological Resources					
California Tiger Salamander					
BIO – 1a (Take Authorization)					
Take authorization from CDFW must be obtained and the USFWS must be consulted. Required mitigations presented in take permits issued from these agencies must be adhered to. While such mitigations are project-specific, typical mitigation requirements of these permits include potential compensatory mitigation, as well as avoidance and minimization measures such as burrow excavation, construction monitoring by an approved biologist, mandatory capping of pipes, covering trenches, and maintaining escape ramps in trenches.	Obtain take authorization prior to the start of any construction activities; carry out required mitigation in accordance with CDFW authorization	Monitor CDFW-required mitigation throughout construction activities at a frequency required by CDFW	MWD with assistance of a qualified biological subconsultant	Written reporting/photos to MWD and CDFW, if required, by biologist in accordance with and requirements of CDFW	
BIO – 1b (Environmental Awareness Training)					
Prior to the start of construction, a qualified biologist will provide training on the CTS to all construction personnel. This training will include a description of the CTS and its habitat needs; a report of the occurrence of the species in the Project vicinity; an explanation of the status of the species and its protection under the state and federal Endangered Species Acts; and a list of the measures being taken to reduce impacts to CTS during Project implementation. Attendance will be documented on a sign-in sheet. Attendees will be provided a handout that summarizes all of the training information. The applicant will use this handout to train any construction personnel that were not in attendance at the first meeting, prior to those personnel starting work on the site.	Prior to the start of any construction activities	As needed for any new construction personnel during construction activities	MWD with assistance of a qualified biological subconsultant	Written reporting/photos to MWD and CDFW, if required, by biologist in accordance with requirements of CDFW	
Western Spadefoot Toad					
BIO – 2a (Take Authorization)					
The Project will comply with provisions of Mitigation Measure BIO – 1a, which, while designed for CTS, will offer protection measures relevant to western spadefoot.	Prior to the start of any construction activities	During construction activities	MWD with assistance of a qualified biological subconsultant	Written reporting/photos to MWD and CDFW, if required, by biologist in accordance with requirements of CDFW	

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Mitigation Monitoring and Reporting Program					
Mitigation Measure/Condition of Approval	When Monitoring is to Occur	Frequency of Monitoring	Agency Responsible for Monitoring	Method to Verify Compliance	Verification of Compliance
BIO – 2b (Environmental Awareness Training)					
Prior to the start of construction, a qualified biologist will provide training on the western spadefoot to all construction personnel. This training will include a description of the western spadefoot and its habitat needs; a report of the occurrence of the species in the Project vicinity; an explanation of the status of the species; and a list of the measures being taken to reduce impacts to western spadefoot during Project implementation. Attendance will be documented on a sign-in sheet. Attendees will be provided a handout that summarizes all of the training information. The applicant will use this handout to train any construction personnel that were not in attendance at the first meeting, prior to those personnel starting work on the site.	Prior to the start of any construction activities	As needed for any new construction personnel during construction activities	MWD with assistance of a qualified biological subconsultant	Written reporting/photos to MWD and CDFW, if required, by biologist in accordance with requirements of CDFW	
Swainson's Hawk					
BIO – 3a (Construction Timing)					
If feasible, construction activities will occur entirely outside the Swainson's hawk nesting season, typically defined as March 1-September 15.	March 1-September 15	During construction activities	MWD and construction contractor under agreement with MWD	By subconsultant report to MWD	
BIO – 3b (Preconstruction Surveys)					
If construction activities must occur between March 1 and September 15, then within 10 days prior to the start of work, a qualified biologist will conduct a preconstruction survey for Swainson's hawk nests on and within ½ mile of the APE.	If March 1 and September 15, then within 10 days prior to the start of construction activities	Prior to ground disturbing activities and the start of construction	MWD with assistance of a qualified biological subconsultant	By subconsultant report to MWD	
BIO – 3c (Avoidance)					
Should any active nests be identified, the biologist will establish a suitable disturbance-free buffer around the nest. This buffer will be identified on the ground with flagging or fencing, and will be maintained until the biologist has determined that the young have fledged.	Prior to the start of construction activities	Prior to ground disturbing activities and the start of construction	MWD with assistance of a qualified biological subconsultant	By subconsultant report to MWD	

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Mitigation Measure/Condition of Approval	When Monitoring is to Occur	Frequency of Monitoring	Agency Responsible for Monitoring	Method to Verify Compliance	Verification of Compliance
Burrowing Owl					
BIO – 4a (Take Avoidance Surveys)					
Take avoidance surveys for burrowing owls will be conducted by a qualified biologist within 30 days prior to the start of construction within grassland habitat of the site. The surveys will be conducted according to methods described in the Staff Report on Burrowing Owl Mitigation (CDFG 2012). The survey will cover grassland work areas and adjacent lands within 200 meters, where potential nesting or roosting habitat is present (“survey area”).	Within 30 days prior to the start ground disturbing activities	Prior to and during construction activities	MWD with assistance of a qualified biological subconsultant	Written reporting/photos to MWD and CDFW, if required by biologist in accordance with requirements of CDFW	
BIO – 4b (Avoidance of Nest Burrows)					
If construction activities within grassland habitats are to occur during the breeding season (February 1-August 31) and active nest burrows are identified within the survey area, a 200-meter disturbance-free buffer will be established around each burrow. The buffers will be enclosed with temporary fencing to prevent encroachment by construction equipment and workers. Buffers will remain in place for the duration of the breeding season, unless otherwise arranged with CDFW. After the breeding season, passive relocation of any remaining owls may take place as described below.	February 1-August 31	As determined needed by biological subconsultant during construction activities	MWD with assistance of a qualified biological subconsultant	Written reporting/photos to MWD and CDFW, if required, by biologist in accordance with requirements of CDFW	
Project-Related Mortality/Disturbance of Other Nesting Birds and Raptors Including the Loggerhead Shrike					
BIO – 5a (Construction Timing)					
If feasible, construction activities and/or vegetation removal will take place entirely outside of the avian nesting season, typically defined as February 1 to August 31.	February 1-August 31	During construction activities	MWD	By subconsultant report to MWD	
BIO – 5b (Preconstruction Surveys)					
If construction activities and/or vegetation removal must occur between February 1 and August 31, then within 10 days prior to the start of work, a qualified biologist will conduct preconstruction surveys for active bird nests on and within 500 feet of the APE.	February 1-August 31	Once prior to initiating any ground disturbances	MWD with assistance of a qualified biological subconsultant	By subconsultant report to MWD	

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Mitigation Measure/Condition of Approval	When Monitoring is to Occur	Frequency of Monitoring	Agency Responsible for Monitoring	Method to Verify Compliance	Verification of Compliance
BIO – 5c (Avoidance)					
Should any active nests be identified, the biologist will establish suitable disturbance-free buffers around the nests. Buffers will be identified on the ground with flagging or fencing, and will be maintained until the biologist has determined that the young have fledged and the nests are no longer active.	During active nesting season February 1- August 31	As determined needed by biological subconsultant during construction activities	MWD with assistance of a qualified biological subconsultant	By subconsultant report to MWD	
American Badger					
BIO – 6a (Pre-disturbance Surveys)					
A pre-disturbance survey for American badgers will be conducted by a qualified biologist within 30 days prior to the start of construction. The survey area will include grassland areas within the APE and surrounding lands within 250 feet.	Within 30 days prior to the start of ground disturbing activities	Once prior to initiating any ground disturbance	MWD with assistance of a qualified biological subconsultant	By subconsultant report to MWD	
BIO – 6b (Avoidance)					
Any non-maternity dens identified during the pre-disturbance survey shall be flagged and avoided with a minimum 50-foot no-disturbance buffer until a qualified biologist has determined that the den is no longer in use. Any maternity dens identified during pre-disturbance surveys shall be flagged and avoided, if feasible, with a minimum 200-foot no-disturbance buffer for the duration of the pup-rearing season, typically February 15 to July 1.	During pup-rearing season February 15 to July 1	As determined needed by biological subconsultant, during ground disturbing activities	MWD with assistance of a qualified biological subconsultant	By subconsultant report to MWD	
BIO – 6c (Minimization)					
If a maternity den cannot feasibly be avoided, CDFW must be contacted to identify appropriate minimization measures prior to initiating any disturbance that would affect the den, including potential passive relocation by excavation before or after the rearing season.	Prior to initiating any construction-related site disturbance	Once prior to initiating any ground disturbances	MWD with assistance of a qualified biological subconsultant	Written reporting/photos to MWD and CDFW, if required by biologist in accordance with requirements of CDFW	

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Mitigation Measure/Condition of Approval	When Monitoring is to Occur	Frequency of Monitoring	Agency Responsible for Monitoring	Method to Verify Compliance	Verification of Compliance
Cultural Resources					
CULT – 1 (Archaeological Remains)					
Should archaeological remains or artifacts be unearthed during any stage of Project activities, work in the area of discovery shall cease until the area is evaluated by a qualified archaeologist. If mitigation is warranted, the Project proponent shall abide by recommendations of the archaeologist.	During ground disturbing activities and in the event potential archaeological artifacts or resources are uncovered	Daily during ground disturbing activities	MWD with assistance of a qualified cultural subconsultant	By subconsultant/contractor reports to MWD	
CULT – 2 (Human Remains)					
In the event that any human remains are discovered on the APE, the Madera County Coroner must be notified of the discovery (California Health and Safety Code, Section 7050.5) and all activities in the immediate area of the find or in any nearby area reasonably suspected to overlie adjacent human remains must cease until appropriate and lawful measures have been implemented. If the Coroner determines that the remains are not recent, but rather of Native American origin, the Coroner shall notify the Native American Heritage Commission (NAHC) in Sacramento within 24 hours to permit the NAHC to determine the Most Likely Descendent of the deceased Native American.	During ground disturbing activities and in the event human remains are uncovered	Daily during ground disturbing activities	MWD with assistance of a qualified cultural subconsultant	By subconsultant/contractor reports to MWD, Fresno County Coroner notification and report, and notification to NAHC, if applicable	