

**CALENDAR ITEM
C08**

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04/23/15
W 26821
W. Hall

GENERAL LEASE – PUBLIC AGENCY USE

APPLICANT:

California Department of Water Resources (DWR)

AREA, LAND TYPE, AND LOCATION:

Sovereign land at the confluence of the Sacramento River and Butte Slough, adjacent to 2701 Butte Slough Road, near the town of Colusa, Sutter and Colusa County.

AUTHORIZED USE:

Rehabilitation, use and maintenance of the Butte Slough Outfall Gates (BSOG), including the inlet and outfall structures, flap gates, boat ramp, other appurtenant structures, bank stabilization, and an on-site control facility.

LEASE TERM:

20 years, beginning April 23, 2015.

CONSIDERATION:

The public use and benefit; with the State reserving the right at any time to set a monetary rent if the Commission finds such action to be in the State's best interests.

OTHER PERTINENT INFORMATION:

1. Applicant has the right to use the uplands adjoining the lease premises.
2. The DWR Flood Maintenance Office (FMO) proposes to restore and modernize the BSOG. This structure was built in 1935 and is important to the flood control system as it enables flood and agricultural water runoff regulation and equilibrium.
3. Applicant proposes to rehabilitate and modernize the BSOG to extend its functional life by 50 years. The proposed project includes rehabilitation and/or construction of the following facilities: the concrete inlet structure (on the Butte Slough side of levee) will house slide gates and

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appurtenances for each of the seven pipes conveying water through the levee, provide stop log slots allowing maintenance of the facilities and improve access to the debris built up in Butte Slough. The concrete outlet structure, on the Sacramento River side of the levee, will house flap gates and appurtenances for each of the seven pipes conveying water from Butte Slough to the Sacramento River. The structures will be built up against the levee and will include supporting maintenance areas, parking, a boat ramp, fencing, and bank stabilization measures. The top of the inlet structure will be approximately seven feet lower than the levee crown. A boat ramp will be constructed on south side of Butte Slough to provide access for removing debris accumulated at the inlet structure. A rectangular control building to maintain controls and electrical equipment necessary for operation of BSOG will be built on the Butte Slough side of the levee.

4. The project is anticipated to require two seasons of construction, which will take place between May 1 and November 1 of each construction year (anticipated for 2015 and 2016). In-water work will take place between June 15 to November 1 when sensitive fish and wildlife species are less likely to be present in or near the project area.
5. Equipment anticipated to be used for construction include dump trucks, generators, backhoes, bulldozers, compactors, concrete trucks, cranes, earthmovers, vibratory hammer, impact hammer, excavators, flatbed trucks, front end loaders, road graders, scrapers, tractors, and boats or barges.
6. A Mitigated Negative Declaration, State Clearinghouse No. 2014082018, was prepared by the DWR and adopted on December 30, 2014, for this project. The California State Lands Commission staff has reviewed such document.

A Mitigation Monitoring Program was adopted by the DWR.

This activity involves lands identified as possessing significant environmental values pursuant to Public Resources Code section 6370 et seq., but such activity will not affect those significant lands. Based upon the staff's consultation with the persons nominating such lands and through the California Environmental Quality Act (CEQA) review process,

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it is the staff's opinion that the project, as proposed, is consistent with its use classification.

EXHIBITS:

- A. Land Description
- B. Site and Location Map
- C. Mitigation and Monitoring Program

PERMITS OBTAINED:

None

FURTHER APPROVALS REQUIRED:

U.S. Army Corps of Engineers, U.S. Fish and Wildlife Service, California Department of Fish and Wildlife, NOAA Fisheries, Central Valley Regional Water Quality Control Board, Central Valley Flood Protection Board

RECOMMENDED ACTION:

It is recommended that the Commission:

CEQA FINDING:

Find that a Mitigated Negative Declaration, State Clearinghouse No. 2014082018, and a Mitigation Monitoring Program were prepared by the California Department of Water Resources and adopted on December 30, 2014, for this Project and that the Commission has reviewed and considered the information contained therein.

Adopt the Mitigation Monitoring Program, as contained in Exhibit C, attached hereto.

SIGNIFICANT LANDS INVENTORY FINDING:

Find that this activity is consistent with the use classification designated by the Commission for the land pursuant to Public Resources Code section 6370 et seq.

AUTHORIZATION:

Authorize issuance of a General Lease – Public Agency Use to the California Department of Water Resources beginning April 23, 2015, for a term of 20 years, for the rehabilitation, use and maintenance of the Butte Slough Outfall Gates, including the inlet and outfall structures, flap gates, boat ramp, other appurtenant structures, bank stabilization, and an on-site control facility in Butte Slough and

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the Sacramento River, as described in Exhibit A and shown on Exhibit B (for reference purposes only) attached and by this reference made a part hereof; no consideration will be charged as the project will result in a public benefit, with the State reserving the right at any time to set a monetary rent if the Commission finds such action to be in the State's best interests.

EXHIBIT A

W 26821

LAND DESCRIPTION

A parcel of submerged land situate in the bed of Butte Slough, at its confluence with the Sacramento River, lying adjacent to Lot 3, Section 35, Township 16 North, Range 1 West, MDM as shown on the Official Township Plat, approved October 22nd 1867, County of Colusa, State of California and more particularly described as follows:

COMMENCING at a 3/4 inch iron pipe with aluminum cap stamped "LS 3653" being the most westerly corner of "PARCEL ONE" as shown on Parcel Map 94-6-1 filed in Book 5 of Parcel Maps at Page 53 in said county; thence along the northwesterly line of said parcel North 30°54'50" East 86.59 feet to the most northerly corner of said parcel; thence South 81°24'47" East 699.96 feet to a point on the left bank of Butte Slough also being the POINT OF BEGINNING; thence along said bank North 40°57'34" East 173.73 feet; thence North 56°58'10" East 117.95 feet; thence leaving said bank South 60°02'23" East 174.83 feet; thence South 40°25'45" East 117.00 feet to a point on the left bank of said slough; thence along said bank the following nine (9) courses:

- 1) South 38°35'20" East 60.13 feet;
- 2) South 52°12'37" West 167.16 feet;
- 3) South 52°06'35" West 126.20 feet;
- 4) North 55°28'10" West 104.71 feet;
- 5) South 47°51'31" West 18.32 feet;
- 6) South 11°16'32" West 21.43 feet;
- 7) North 55°21'31" West 24.84 feet;
- 8) South 16°24'29" West 66.33 feet;
- 9) South 47°43'13" West 139.90 feet;

thence leaving said bank North 38°44'25" West 138.26 feet to a point on the right bank of said slough; thence along said bank North 19°01'23" East 186.28 feet; thence North 32°41'25" East 49.25 feet to the POINT OF BEGINNING.

EXCEPTING THEREFROM any portion lying landward of low water marks of said slough.

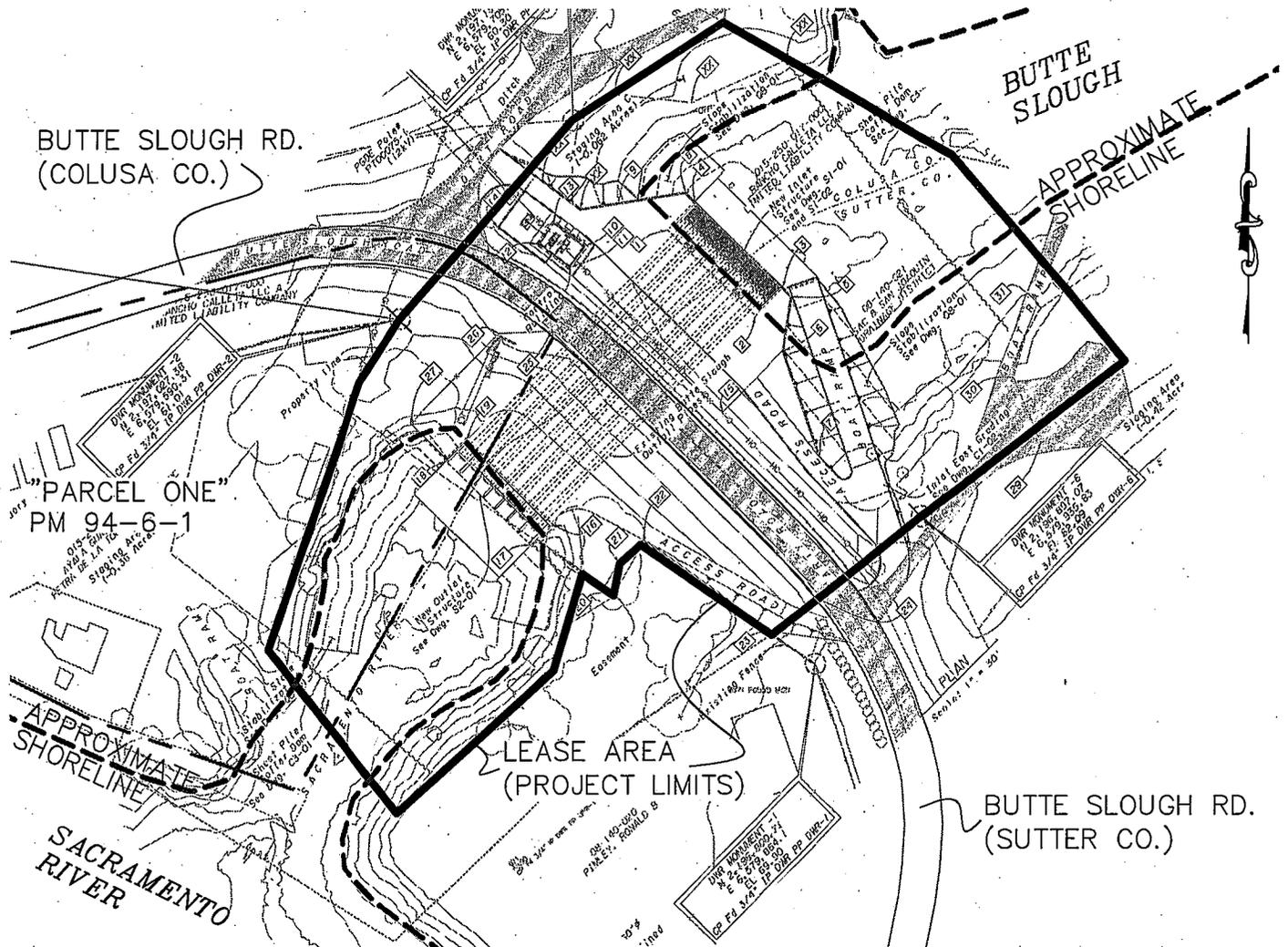
END OF DESCRIPTION

PREPARED 2/25/15 BY THE CALIFORNIA STATE LANDS COMMISSION BOUNDARY UNIT



NO SCALE

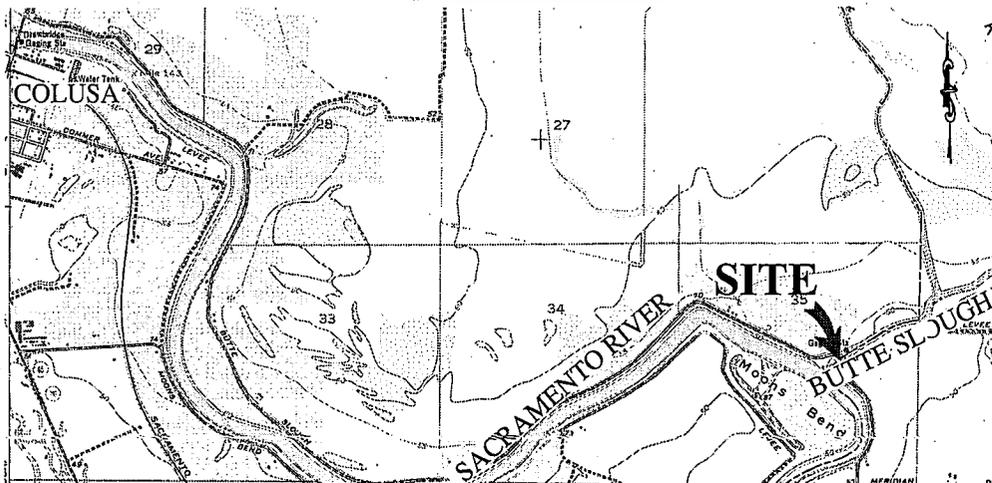
SITE



Butte Slough Rd., Butte Slough at Confluence with the Sacramento River

NO SCALE

LOCATION



MAP SOURCE: USGS QUAD

Exhibit B

W 26821
 DEPARTMENT OF WATER
 RESOURCES
 GENERAL LEASE -
 PUBLIC AGENCY USE
 COLUSA & SUTTER
 COUNTIES



This Exhibit is solely for purposes of generally defining the lease premises, is based on unverified information provided by the Lessee or other parties and is not intended to be, nor shall it be construed as, a waiver or limitation of any State interest in the subject or any other property.

EXHIBIT C
CALIFORNIA STATE LANDS COMMISSION
MITIGATION MONITORING PROGRAM
BUTTE SLOUGH OUTFALL GATES REHABILITATION PROJECT
(State Clearinghouse No. 2014082018)

The California State Lands Commission (Commission) is a responsible agency under the California Environmental Quality Act (CEQA) for the Butte Slough Outfall Gates Rehabilitation Project (Project). The CEQA lead agency for the Project is the California Department of Water Resources.

In conjunction with approval of this Project, the Commission adopts this Mitigation Monitoring Program (MMP) for the implementation of mitigation measures for the portion(s) of the Project located on Commission lands. The purpose of a MMP is to discuss feasible measures to avoid or substantially reduce the significant environmental impacts from a project identified in an Environmental Impact Report (EIR) or a Mitigated Negative Declaration. State CEQA Guidelines section 15097, subdivision (a), states in part:¹

In order to ensure that the mitigation measures and project revisions identified in the EIR or negative declaration are implemented, the public agency shall adopt a program for monitoring or reporting on the revisions which it has required in the project and the measures it has imposed to mitigate or avoid significant environmental effects. A public agency may delegate reporting or monitoring responsibilities to another public agency or to a private entity which accepts the delegation; however, until mitigation measures have been completed the lead agency remains responsible for ensuring that implementation of the mitigation measures occurs in accordance with the program.

The lead agency has adopted a MMP for the whole of the Project (see Exhibit C, Attachment C-1) and remains responsible for ensuring that implementation of the mitigation measures occurs in accordance with its program. The Commission's action and authority as a responsible agency apply only to the mitigation measures listed in Table C-1 below.

¹ The State CEQA Guidelines are found at California Code of Regulations, Title 14, section 15000 et seq.

Table C-1. Project Impacts and Applicable Mitigation Measures.

Potential Impact	Mitigation Measure (MM) ²
Increase of light and glare	VIS-1
Increase air quality pollutants	AQ-3
Disturbance, mortality	BIOAQ-1
Disturbance, mortality	BIOAQ-2
Entrapment of fish	BIOAQ-3
Disturbance, mortality	BIOAQ-4
Impacts to habitat quality	BIOAQ-5
Impacts to habitat quality	BIOAQ-6
Impacts to habitat quality	BIOAQ-7
Disturbance and damage to resources	CULT-1
Disturbance/damage of cultural/human remains	CULT-2
Increasing DWR's greenhouse gas emissions	DWR's Climate Action Plan-Phase I: GHG Reduction Plan Best Management Practices
Reduced access to river	REC-1

² See Attachment C-1 for the full text of each MM taken from the MMP prepared by the CEQA lead agency.

ATTACHMENT C-1

**Mitigation Monitoring Program Adopted by the
California Department of Water Resources**

Mitigation and Monitoring Reporting Plan for the Butte Slough Outfall Gates Rehabilitation Project

This document is prepared pursuant to Sections 15091 & 15097 of the Guidelines for Implementation of the California Environmental Quality Act and Section 21081.6 of the Public Resources Code. The California Department of Water Resources (DWR) has proposed to restore and modernize the Butte Slough Outfall Gates (BSOG).

Construction activities are anticipated to occur May through November 2015 and May through November 2016, or during the same months of subsequent years. Construction would occur at the existing outfall gates that are located at the confluence of Butte Slough and the Sacramento River, approximately 5 miles downstream from the town of Colusa on the left bank of the Sacramento River. By restoring and modernizing BSOG, DWR will extend the functional life of the structure; provide safer and more reliable outfall gate operations; and reduce long-term environmental impacts.

In DWR's "Butte Slough Outfall Gates Rehabilitation Project Draft Initial Study/ Proposed Mitigated Negative Declaration," DWR staff described potential environmental impacts of the project and mitigation measures that would reduce impacts to less than significant levels (DWR 2014). This document describes how some of the monitoring, reporting, and mitigation requirements will be satisfied. Table 1 provides a summary of all mitigation and monitoring that will be conducted for the project.

Pre-project Activities

The contractor will begin work at the site on or after May 1, 2015 (or during the same date in a subsequent year). DWR environmental staff will ensure that pre-project surveys are completed before construction begins.

Pre-project surveys

A qualified biologist will conduct a pre-project survey for special status birds and nesting raptors (such as Swainson's hawk) no more than 21 days prior to initiating construction activities. No special status birds or reptiles were observed nesting within the project area during preliminary avian and wildlife surveys conducted by DWR staff in spring 2013 and 2014.

Pre-project vegetation surveys were conducted in spring 2012. During the survey, no special-status plant species or habitats were identified within the proposed project area. Prior to the start of construction, pre-project vegetation surveys will be conducted to ensure that sensitive plant species are avoided or are not impacted.

DWR conducted pre-project giant garter snake (GGS) surveys for the project site and determined it was not suitable habitat for GGS. Giant garter snake are not anticipated to be impacted by the project activities and no potential GGS avoidance and/or mitigation measures have been adopted for CEQA purposes.

During Project Activities

Environmental Monitoring

To ensure compliance with permit conditions and avoidance measures, a qualified biologist will conduct an environmental awareness training session for all construction staff working on the project. Additional trainings can be given throughout the project period as needed. The training session will cover topics such as project boundaries and sensitive areas, special-status species, water quality, spill prevention, and other permit requirements. Each attendee will sign a form

stating that they were provided with environmental compliance training. Copies of all permits, environmental requirements that pertain to the project work will be available and maintained on-site.

Project boundaries will be established and staked, flagged and/or surrounded by construction fencing to minimize impacts. No clearing or grubbing beyond these areas will be allowed. Silt fence will be placed at soil/water interfaces where there is a possibility for soils entering the waterways. Sensitive environmental and cultural resource areas within the project boundary will be flagged.

A qualified biologist will be on-site during the initial construction period to monitor work activities at the start of construction to ensure compliance with all requirements. The biologist will be available on an on-call basis on subsequent days and will periodically visit the site during work activities. If a sensitive species is encountered during construction, activities shall cease until appropriate corrective measures have been completed or it has been determined that the species will not be harmed.

During in-water work, the contractor will take turbidity measurements up and downstream of the site. If the turbidity measurements exceed the thresholds set by permitting agencies; in-water work will halt until turbidity thresholds reduce to meet the permit requirements. Also, a qualified biologist will monitor the pile-driving and dewatering to ensure the permit terms are complied with. If the biologist observes any injury or mortality to fish, the biologist will notify the responsible resource agencies of the occurrence and in-water work will halt.

Fish Rescue and Relocation

Green sturgeon, Central Valley steelhead, Central Valley spring-run Chinook salmon, and Sacramento River winter-run Chinook salmon may inhabit or use portions of Butte Slough and/or Sacramento River during certain times of the year. In-water work windows were established for times when sensitive fish species are less likely to be present in or near the project area. The area around the inlet structure in the Butte Slough and the outlet structure in the Sacramento River will be cofferdammed and dewatered. DWR will conduct fish rescue and relocation during cofferdam installation during construction seasons 1 and 2. DWR staff will begin to rescue and relocate fish as soon as an area becomes isolated. The fish entrapped within the cofferdam areas will be rescued before the areas are completely drained as specified in a California Department of Fish and Wildlife-approved fish rescue/relocation plan.

Post-project Activities

A qualified biologist will make a final inspection of the project area after construction is completed for each season. The biologist will remove flagging from avoidance areas check that the contractor removed all equipment and trash from the project area, and will notify the construction supervisor if any items remain in the area.

A log of monitoring activities and final monitoring report will be maintained by DWR.

Vegetation mitigation and monitoring

Disturbed soil areas will be stabilized using appropriate erosion control BMPs during and at the completion of construction activities for work during seasons 1 and 2. If any trees need to be removed or trimmed, a certified arborist will be present to supervise tree removal and trimming to preserve tree health and ensure that appropriate methods are used. Any riparian habitat that is removed along the Sacramento River and/or Butte Slough will be replaced, with replacement to

occur on site. Native willows, oaks and/or other native plantings will be replanted on bank slopes in or near the project area. In areas where riprap will be replaced or installed, native willows and/or other native trees and shrubs plantings will be incorporated into the voids/gaps. Plantings can be incorporated into the riprap/soil mix after construction is complete or during the final stages of construction.

A habitat mitigation and monitoring plan will be implemented to ensure that the proposed on-site plantings fully compensate for losses of shaded riverine aquatic habitat as imposed by any permits issued to DWR. Proposed mitigation habitat will be created at or along the site. DWR will coordinate with the appropriate regulatory agencies regarding compensation numbers/amount, locations, and details. If DWR cannot create on-site mitigation, off-site mitigation may be utilized with agency approval.

References

Department of Water Resources. 2014. Butte Slough Outfall Gates Rehabilitation Project Final Initial Study/Proposed Mitigated Negative Declaration. December 2014. DWR, Division of Flood Maintenance, Sacramento, CA.

Table 1. Mitigation and Monitoring Measures and Responsibilities

Environmental Factors and Resources	Potential Impact	Mitigation Measure or Monitoring	BSOG IS/MND Mitigation Measure	Objective of Mitigation Measure or Monitoring	Deadline for Implementation of Measure	Responsible Party	Completion Date	Completed?
Aesthetics	Increase of light and glare	Reduce light and glare during and post-construction	VIS-1	To reduce potential light pollution by directing and limiting excessive construction and post-construction lighting.	Throughout the construction seasons and post-construction	DWR and Contractor		
Air Quality	Increase air quality pollutants	Eliminate Construction Burning	AQ-1	No open burning is allowed.	Throughout the construction seasons	Contractor		
		Reduce Fugitive Dust Emissions	AQ-2	Submit an air quality plan; have water trucks available to water all exposed surfaces; reduce carryout/trackout of fugitive dust; minimize freefall of soil; reestablish ground cover as soon as possible.	Throughout the construction seasons	Contractor		
		Reduce Exhaust Emissions	AQ-3	Minimize traffic flow interference; ensure construction equipment exhaust emissions ≤40% opacity or Ringelmann 2.0; minimize equipment idle time; maintain equipment properly.	Throughout the construction seasons	Contractor		
All Biotic and Abiotic Resources	Disturbance, mortality	Secure Applicable State and Federal Permits and Implement Requirements	BIOAQ-1	Consult with and obtain environmental permits from State and federal regulatory agencies, comply with agreed upon terms and conditions of permit, and implement requirements.	Prior to project commencement	DWR and Contractor		
	Disturbance, mortality	Pre-Construction Environmental Training, Site Preparation and Monitoring	BIOAQ-2	A qualified biologist will develop and administer environmental awareness training to all construction personnel working on the project.	Pre-construction and throughout construction, as needed	DWR		
Biological-Special Status Fish	Entrapment of fish	Fish Rescue and Relocation	BIOAQ-3	In-water work will be conducted between June 15 and November 1. A qualified biologist will be	During in-water work	DWR		

Environmental Factors and Resources	Potential Impact	Mitigation Measure or Monitoring	BSOG IS/MND Mitigation Measure	Objective of Mitigation Measure or Monitoring	Deadline for Implementation of Measure	Responsible Party	Completion Date	Completed?	
Species				on-site or on-call during in-water construction activities.					
				Contractor will prepare and submit a dewatering plan to DWR and pump intakes will be fitted with National Marine Fisheries Service (NMFS)/California Department of Fish and Wildlife (CDFW)- approved fish screens.	Prior to de-watering in each season	Contractor			
				DWR will develop a fish rescue plan that will be approved by CDFW.	Pre-construction	DWR			
				Before the cofferdam is drained, fish entrapped in the cofferdam will be rescued by DWR biologist and relocated as specified in the fish rescue plan	Prior to de-watering in each season	DWR			
	Disturbance , mortality	Avoid and minimize underwater pressure from pile driving	BIOAQ-4	A qualified biologist will monitor pile-driving construction activities and comply with permit terms. If the biologist observes any injury or mortality of fish, the biologist will notify CDFW, NMFS, and/ or USFWS of the occurrence and in-water pile driving will halt.	During in-water work	DWR, Contractor			
				A vibratory hammer will be the primary means of installing sheet piles. If an impact hammer is necessary: an impact hammer cushion block will be implemented, hammering will be conducted only during daylight hours and initially used at low energy levels to reduce impact frequency.	During in-water work	Contractor			
				If noise thresholds for installing piles are not met, DWR will consult with the regulatory agencies.	During in-water work	DWR			
				Reduce turbidity	Turbidity measurements will be taken up and downstream	During dewatering activities	Contractor		

Environmental Factors and Resources	Potential Impact	Mitigation Measure or Monitoring	BSOG IS/MND Mitigation Measure	Objective of Mitigation Measure or Monitoring	Deadline for Implementation of Measure	Responsible Party	Completion Date	Completed?
	Impacts to habitat quality	Implement Spill and Storm Water Pollution Prevention Plans (SWPPP)	BIOAQ-5	The contractor will develop and implement a Spill Prevention Plan and will have spill materials available on-site during all phases of work. The contractor will prepare and implement the SWPPP which should be available at all on times on the construction site.	Throughout the construction seasons	Contractor		
		Use Standard Assessment Methodology (SAM) to analyze Shaded Riverine Aquatic Habitat for fish	BIOAQ-6	Conduct SAM prior to project permitting to analyze project for permitting purposes	Pre-Construction	DWR	December 2014	X
		Re-vegetation where appropriate	BIOAQ-7	Stabilize disturbed soil areas by hydroseeding using native grass/forms/herbaceous plants, sterile rye, or other non-invasive seed mixes. A certified arborist will be present if trees need to be removed/trimmed to supervise work to ensure the appropriate methods are used to preserve tree health.	During, at the end of each season, and/or post-construction	DWR		
				A habitat mitigation and monitoring plan will be developed and implemented to ensure the proposed on-site plantings are compensated for loss of SRA habitat.	Pre-construction	DWR	Draft currently in review	
Biological-Terrestrial Species	Disturbance and impact to habitat	Pre-construction Wildlife, Bird, and plant surveys	BIOT-1	A qualified biologist will conduct pre-construction surveys for wildlife, bird nests, special status plants, and/or sensitive habitat.	Pre-construction period of each season	DWR		
Cultural and Historical Resources	Disturbance and damage to resources	Immediate stop to construction if cultural resources are found	CULT-1	If cultural resources are encountered during construction, work will be suspended immediately at and around the location of the found resources until a qualified DWR archaeologist concludes the	Throughout the construction seasons	DWR		

Environmental Factors and Resources	Potential Impact	Mitigation Measure or Monitoring	BSOG IS/MND Mitigation Measure	Objective of Mitigation Measure or Monitoring	Deadline for Implementation of Measure	Responsible Party	Completion Date	Completed?
				investigation/recovery of the resource.				
	Disturbance /damage of cultural/ human remains	Immediate halt of construction if human remains are discovered.	CULT-2	All work must stop immediately if human remains are discovered during construction activities and the appropriate County coroner must be contacted.	Throughout the construction seasons	Contractor, DWR		
Geology, soils, and seismicity	Impacts to soils	Implementation of SWPPP	BIOAQ-5	(Described in Biological-Special Status Fish Species; Impacts to habitat quality)				
	Pollution by hazardous materials	Hazardous Materials Training	HHM-1	Construction workers will be trained on the potential hazardous materials and proper notification procedures. If stained or odorous soils are encountered: 1) work must stop; 2) a hazardous materials specials must be consulted; and 3) DWR will notify appropriate agencies.	Throughout the construction seasons	Contractor, DWR		
Greenhouse gases	Increasing DWR's greenhouse gas emissions	Incorporate DWR's Greenhouse Gas (GHG) Reduction Plan Best Management Practices(BMPs)	DWR's Climate Action Plan- Phase I: GHG Reduction Plan BMPs	The project will incorporate the BMPs from DWR's Climate Action Plan- Phase I: GHG Reduction Plan.	Throughout the construction seasons	DWR		
Water Resources	Altering stream/river which increases erosion or siltation	Revegetation to compensate construction effects	BIOAQ-7	(Described in Biological-Special Status Fish Species; Re-vegetation where appropriate)				
	Degrade water quality	Site preparation and monitoring	BIOAQ-2	(Described in All Species; Pre-Construction Environmental Training, Site Preparation and Monitoring)				
		Implement spill	BIOAQ-3	(Described in Biological-Special Status Fish Species; Implement Spill and Storm Water Pollution				

Environmental Factors and Resources	Potential Impact	Mitigation Measure or Monitoring	BSOG IS/MND Mitigation Measure	Objective of Mitigation Measure or Monitoring	Deadline for Implementation of Measure	Responsible Party	Completion Date	Completed?
		and storm water pollution prevention plan		Prevention Plans (SWPPP))				
Noise	Increase to baseline noise	Implement noise-reducing construction practices	NOI-1	Implement a traffic and noise abatement plan.	Throughout the construction seasons	Contractor		
				Equipment will be operated, stored, and/or maintained away from sensitive noise receptors.	Throughout the construction seasons	Contractor		
				Construction equipment will be properly maintained with the best available noise suppression devices. Equipment will be inspected before use and at least once during construction for compliance with noise reduction measures. Equipment that is quieter than standard equipment will be used when practical.	Throughout the construction seasons	Contractor		
				Cushion blocks can be implemented between hammerhead and concrete piles during impact pile driving.	During pile driving activities	Contractor		
				Construction equipment in the vicinity of sensitive noise receptors will not be left idling for extend periods between construction activities.	Throughout the construction seasons	Contractor		
				Construction activities will be limited to daytime weekday hours (8:00 a.m. to 5:00 p.m. in Colusa County and 7:00 a.m. to 6:00 p.m. in Sutter County) when feasible and will notify counties and/or residents when work extends beyond these normal hours.	Throughout the construction seasons	Contractor		
				Temporary noise barriers will be used where feasible if stationary construction equipment exceeds noise standards.	Throughout the construction seasons	Contractor		
				Speed limits for construction traffic will be	Throughout the	Contractor		

Environmental Factors and Resources	Potential Impact	Mitigation Measure or Monitoring	BSOG IS/MND Mitigation Measure	Objective of Mitigation Measure or Monitoring	Deadline for Implementation of Measure	Responsible Party	Completion Date	Completed?
				established and enforced.	construction seasons			
Recreation	Reduced access to river	Recreation and construction activity coordination	REC-1	DWR will coordinate with marina owner about boat ramp closure during project construction. DWR will provide notification about boat ramp closure which will be distributed to the local bait shops and other appropriate locations. The notification will include alternate public boat launch areas.	Throughout the construction seasons	DWR		
Transportation and Traffic	Impeding traffic flow near project location	Develop a Traffic and noise abatement plan	TRN-1	The contractor will develop a Traffic and Noise Abatement Plan prior to construction and coordinate all use of public roads with counties of Colusa and Sutter as well as the California Department of Transportation.	Pre- construction	Contractor		
		Inform public of road closure	TRN-2	DWR will inform local residents, businesses, and Colusa and Sutter Counties of lane closures of Butte Slough and Marty Road.	Throughout the construction seasons	DWR		
		Install Traffic Signs	TRN-3	DWR can install traffic signs at the south and north end of the project along Marty and Butte Slough Roads as deemed appropriate by Sutter and Colusa Counties as well as the California Department of Transportation.	Prior to the end of construction for post-construction traffic safety	DWR		