

**STAFF REPORT
C92**

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08/23/18
PRC 7763.9
D. Simpkin

GENERAL LEASE – PUBLIC AGENCY USE

APPLICANT:

Santa Barbara County Flood Control District

PROPOSED LEASE:

AREA, LAND TYPE, AND LOCATION:

Sovereign land in the Goleta Slough watershed and Pacific Ocean adjacent to Goleta Beach County Park, Goleta, Santa Barbara County.

AUTHORIZED USE:

The continued periodic dredging for flood control purposes of a combined maximum of up to 200,000 cubic yards (cy) of sediment annually from San Pedro Creek, San Jose Creek, Atascadero Creek, and Goleta Slough; and the placement of up to 200,000 cy of sediment annually in the surf zone at the west end of Goleta Beach County Park.

LEASE TERM:

5 years, beginning December 8, 2018.

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.

SPECIFIC LEASE PROVISIONS:

The Applicant will be bound by a Mitigation Monitoring Program (attached as Exhibit C).

STAFF ANALYSIS AND RECOMMENDATION:

Authority:

Public Resources Code sections 6005, 6216, 6301, 6303, 6501.1, and 6503; California Code of Regulations, title 2, sections 2000 and 2003.

Public Trust and State's Best Interests Analysis:

On December 2, 2013, the Commission authorized the issuance of an 8-year General Lease – Public Agency Use to the Santa Barbara County

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Flood Control District (Applicant) for continued periodic dredging for flood control purposes of a combined maximum of up to 200,000 cy of sediment annually from San Pedro Creek, San Jose Creek, Atascadero Creek, and Goleta Slough; and the placement of the same 200,000 cy of sediment annually in the surf zone at the west end of Goleta Beach County Park ([Item C81, December 2, 2013](#)). The lease will expire on December 7, 2018. The Applicant is now applying for a new General Lease – Public Agency Use.

The dredging activities are located within the lower portions of Goleta Slough and surrounding creeks. The Applicant routinely assesses the need to dredge the areas to determine if desilting is necessary. The objectives of the dredging program are to increase biological function of the slough system and protect public and private land interests, including flood control, shoreline protection, and county park facilities.

Hydraulic dredging of Atascadero, San Pedro, and San Jose creeks results in discharge of material directly to Goleta Beach for beach replenishment. When dragline dredging is utilized, dredged material is stockpiled and dewatered prior to beach replenishment or upland disposal.

The proposed lease does not alienate the State's fee simple interest or permanently impair public rights. The proposed lease is limited to a 5-year term and does not grant the lessee exclusive rights to the lease premises.

Climate Change:

Climate change impacts, including sea-level rise, more frequent and intense storm events, and increased flooding and erosion, affect open coastal areas in California. By 2030, the region could see up to 1 foot of sea-level rise (from year 2000 levels), 2 feet by 2050, and possibly over 5 feet by 2100 (National Research Council 2012). Rising sea levels can lead to increased flooding and larger tidal events and can affect erosion and sedimentation rates.

The lease premises include sovereign land located in the Goleta Slough watershed and Pacific Ocean and are therefore vulnerable to the above impacts related to climate change. The subject area is located in an area of the Coastal Zone identified as subject to potential hazards from flooding. Developed areas adjacent to the subject waterways, such as the Santa Barbara Municipal Airport and nearby residential development, can be subject to seasonal flood events during the winter storm season.

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Goleta Beach has been subject to an ongoing beach nourishment program for many years, due to historic beach erosion and the need to protect shoreline and county park facilities. Periodic placement of dredged material in the surf zone of Goleta Beach will continue to aid in the nourishment of the beach and downcoast littoral cell, provide soft protection for shoreline structures and land uses adjacent to the beach, and enhance public recreation and beach access. The periodic dredging of the subject creeks and sloughs will temporarily increase channel volume for conveyance of flood water during high flow events. Collectively, these activities will help provide temporary relief against climate change related impacts for these waterways and shoreline resources.

Conclusion:

For the reasons stated above, staff believes that the issuance of this lease will not substantially interfere with Public Trust needs or values at this location, at this time, and for the foreseeable term of the proposed lease; and is in the State's best interests.

OTHER PERTINENT INFORMATION:

1. This action is consistent with Strategy 1.1 of the Commission's Strategic Plan to deliver the highest levels of public health and safety in the protection, preservation, and responsible economic use of the lands and resources under the Commission's jurisdiction; and Strategy 1.3 to protect, expand, and enhance appropriate public use and access to and along the State's inland and coastal waterways.
2. A Subsequent Environmental Impact Report (EIR), State Clearinghouse No. 2000031092, was prepared by the Santa Barbara County Flood Control District and certified on November 9, 2010, for this project. Commission staff reviewed such document and Mitigation Monitoring Program pursuant to the provisions of the California Environmental Quality Act (CEQA) (Pub. Resources Code, § 21081.6) and adopted by the lead agency.

The Commission considered the Subsequent EIR at its December 2, 2013 meeting ([Item C81, December 2, 2013](#)) for continued periodic dredging for flood control purposes from San Pedro Creek, San Jose Creek, Atascadero Creek, and Goleta Slough; and placement of sediment into the surf zone at Goleta Beach County Park. As part of the Commission's approval of the lease, the Commission adopted a Mitigation Monitoring Program, Findings, and Statement of Overriding Considerations made in conformance with the State CEQA Guidelines (Cal. Code Regs., tit. 14, §§ 15091, 15093, and 15096), as contained on file in the Sacramento office

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of the California State Lands Commission and incorporated by reference hereto. The Commission's previously adopted Mitigation Monitoring Program remains in full force and effect.

The proposed lease will allow the Applicant to continue its project. No substantial changes to the project, to the circumstances in which the project occurs, or other new information requires an additional subsequent or supplemental EIR for the project to continue. The Applicant will be required by the terms of the proposed lease to continue to implement the Commission's previously imposed Mitigation Monitoring Program (Exhibit C).

3. This activity involves lands identified as possessing significant environmental values pursuant to Public Resources Code section 6370 et seq. At the time the Commission considered the Subsequent EIR in 2013, staff concluded that such activity would not affect those significant lands and the Commission found the activity to be consistent with its use classification pursuant to Public Resources Code section 6370 et seq.

EXHIBITS:

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

RECOMMENDED ACTION:

It is recommended that the Commission:

CEQA FINDING:

Find that a Subsequent Environmental Impact Report, State Clearinghouse No. 2000031092, and a Mitigation Monitoring Program were prepared by the Santa Barbara County Flood Control District and certified on November 9, 2010, for this project and that the Commission has reviewed and considered the information contained therein; that in the Commission's independent judgement, the scope of activities to be carried out under the lease to be issued by this authorization have been adequately analyzed; that none of the events specified in Public Resources Code section 21166 or the State CEQA Guidelines section 15162 resulting in any new or substantially more severe significant impact has occurred; and, therefore no additional CEQA analysis is required.

Find that the Commission's previously adopted Mitigation Monitoring Program remains in full force and effect.

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PUBLIC TRUST AND STATE'S BEST INTERESTS:

Find that the proposed lease will not substantially interfere with the Public Trust needs and values at this location, at this time, and for the foreseeable term of the proposed lease; and is in the State's best interests.

AUTHORIZATION:

Authorize issuance of a General Lease – Public Agency Use to the Santa Barbara County Flood Control District beginning December 8, 2018, for a term of 5 years, for continued periodic dredging for flood control purposes of a combined maximum of up to 200,000 cubic yards (cy) of sediment annually from San Pedro Creek, San Jose Creek, Atascadero Creek, and Goleta Slough; and the placement of up to 200,000 cy of sediment annually in the surf zone at the west end of Goleta Beach County Park as described in Exhibit A and shown on Exhibit B (for reference purposes only) attached and by this reference made a part hereof; consideration being the public use and benefit, with the State reserving the right to set a monetary rent if the Commission finds such action to be in the State's best interests.

**EXHIBIT A
LAND DESCRIPTION**

PRC 7763.9

Those parcels of tide and submerged land situate in the beds of San Pedro Creek, San Jose Creek, and Atascadero Creek, and along the Pacific Ocean in the County of Santa Barbara, State of California and more particularly described as follows:

Parcel 1 (San Pedro Creek)

A variable width strip of tide and submerged land in the bed of San Pedro Creek BEGINNING at centerline station 0+00 as shown on Santa Barbara County Flood Control and Water Conservation District and Water Agency, Goleta Slough Dredging Project 2005, sheet 2 of 5, dated 07-18-05, on file at CSLC in PRC 7763.9 having CCS 83, Zone 5 coordinates of $x = 6009864.38$ and $y = 1980635.67$; thence northerly along said centerline 1980 feet to station 19+80; said sidelines of said strip being the OHWM of said creek.

Parcel 2 (San Jose Creek)

A variable width strip of tide and submerged land in the bed of San Jose Creek BEGINNING at centerline station 0+00 as shown on Santa Barbara County Flood Control and Water Conservation District and Water Agency, Goleta Slough Dredging Project 2005, sheet 2 of 5, dated 07-18-05, on file at CSLC in PRC 7763.9 having CCS 83, Zone 5 coordinates of $x = 6009991.32$ and $y = 1980273.72$; thence northerly and easterly along said centerline 2480 feet to station 24+80; said sidelines of said strip being the OHWM of said Creek.

Parcel 3 (Atascadero/Goleta Slough)

A variable width strip of tide and submerged land in the bed of Atascadero Creek/Goleta Slough BEGINNING at centerline station 0+00 as shown on Santa Barbara County Flood Control and Water Conservation District and Water Agency, Goleta Slough Dredging Project 2005, sheet 2 of 5, dated 07-18-05, on file at CSLC in PRC 7763.9 having CCS 83, Zone 5 coordinates of $x = 6010867.29$ and $y = 1979297.36$; thence northerly, westerly and easterly along said centerline 4735 feet to station 47+35; said sidelines of said strip being the OHWM of said Creek.

Together with that portion of said slough as it extends waterward to the Pacific Ocean.

Parcel 4 (West Sediment Discharge Location)

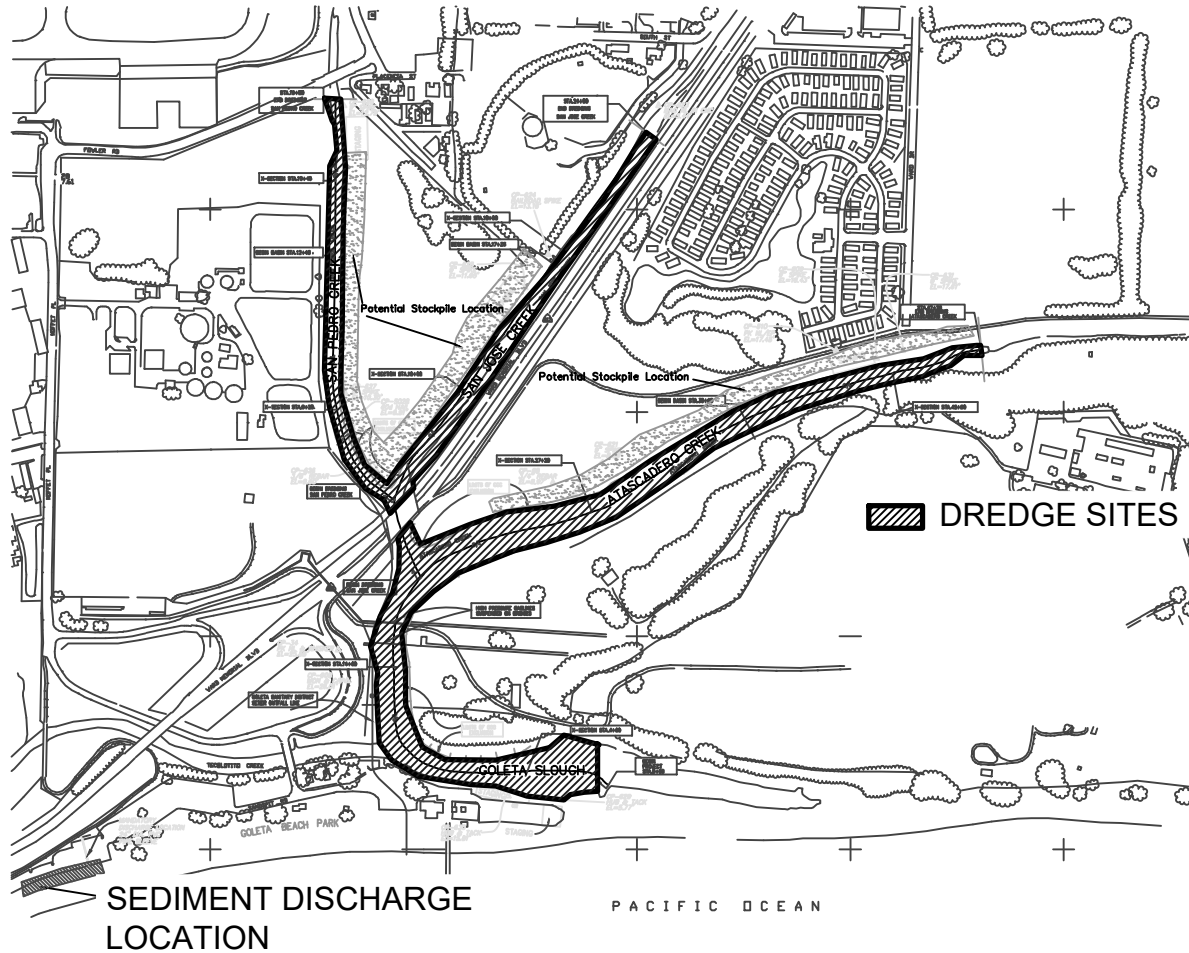
A strip of tide and submerged land lying 37.50 feet on each side of the centerline BEGINNING at a point having CCS 83, Zone 5 coordinates of $x = 6008159.50$ and $y = 1078813.86$; thence N $73^{\circ}19'31''$ E 381 feet to the end of said centerline.

END OF DESCRIPTION

The above description is based on that original description (prepared by Kelly Olin on 11/17/2005) as found in PRC file 7763.

NO SCALE

SITE



GOLETA / ATASCADERO SLOUGH, SAN PEDRO CREEK, SAN JOSE CREEK AND GOLETA BEACH COUNTY PARK

NO SCALE

LOCATION



MAP SOURCE: USGS QUAD

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 B

PRC 7763.9
SANTA BARBARA COUNTY
FLOOD CONTROL DISTRICT
GENERAL LEASE -
PUBLIC AGENCY USE
SANTA BARBARA COUNTY



DJF 04/17/18

Exhibit C: California State Lands Commission Mitigation Monitoring Program

Potential Impact	Mitigation Measure	Monitoring/ Reporting Action	Responsible Party	Timing
Water Resources				
<p>WR-1 Dredging activities have the potential to adversely impact inland surface water quality on a periodic basis.</p>	<p>MM Project-1: Sampling and Analysis Plan: Implementation of Project-incorporated Sampling and Analysis Plan in accordance with American Society for Testing and Materials and United States Environmental Protection Agency guidelines.</p>	<p>Prepare and implement Plan</p>	<p>Santa Barbara County Flood Control and Water Conservation District (District)</p>	<p>During Project activities</p>
	<p>MM WR-1: Defined Best Management Practices (BMPs). The District shall define and implement all of its existing and proposed BMPs designed to prevent The introduction of pollutants to surface waters including but not limited to: sediment, trash, fuels, and chemicals. These should include, but are not limited to the following, some of which may be added to the spill prevention plan identified in MM PBIO-12.</p> <ul style="list-style-type: none"> • All fueling of vehicles and heavy equipment shall occur in designated areas. Designated areas shall include spill containment devices (e.g., drain pans) and absorbent materials to clean up spills. • Vehicles and equipment shall be maintained properly to prevent leakage of hydrocarbons and other fluids, and shall be examined for leaks on a daily basis. All maintenance shall occur in designated areas, which shall include spill containment devices and absorbent materials to clean up spills. • Any accidental spill of hydrocarbons or other fluids that may occur at the work site shall be cleaned immediately. Spill containment devices and absorbent materials shall be maintained on the work site for this purpose. The Governor's Office of Emergency Services shall be notified immediately in the event of a reportable quantity 	<p>Define and Implement BMPs</p>	<p>District</p>	<p>Prior to and During Project activities</p>

Exhibit C: California State Lands Commission Mitigation Monitoring Program

Potential Impact	Mitigation Measure	Monitoring/ Reporting Action	Responsible Party	Timing
	<p>accidental spill to ensure proper notification, clean up and disposal of waste.</p> <ul style="list-style-type: none"> • Waste and debris generated during construction shall be stored in designated waste collection areas and containers away from drainage features, and shall be disposed of regularly. • Convenient, portable sanitary/septic facilities shall be provided during construction activities. These facilities shall be well maintained and serviced, and wastes shall be treated and disposed of in accordance with state and local requirements. • Storm water BMP material will be used around the construction area perimeters during construction and around any construction operations that could potentially generate waste. • Minimize the use of pesticides for creek bank restoration and enhancement activities. • Pesticides shall only be handled by appropriately trained personnel in accordance with all applicable regulations. • All manufacturer recommended procedures for use, storage and disposal of pesticides shall be implemented. • No pesticides shall be stored onsite. 			
<p>WR-2 Sediment stockpiling on creek banks and creek bank restoration activities will impact inland surface waters on</p>	<p>MM PBIO-12: Spill Prevention Plan. A site-specific emergency spill contingency plan for hydraulic and drag-line dredging shall be developed and implemented. The spill prevention plan shall include:</p> <ul style="list-style-type: none"> • Containment and cleanup procedures that minimize impacts to biological resources. These include specifying access locations, precautions to take in areas of native 	<p>Prepare and implement Plan</p>	<p>District</p>	<p>During Project activities</p>

Exhibit C: California State Lands Commission Mitigation Monitoring Program

Potential Impact	Mitigation Measure	Monitoring/ Reporting Action	Responsible Party	Timing
<p>a periodic basis.</p>	<p>vegetation, types of materials to be used (non-toxic), and notifications to resource management agencies such as the California Department of Fish and Wildlife and the United States Fish and Wildlife Service;</p> <ul style="list-style-type: none"> • Cleanup equipment and materials to be stored at the staging areas for immediate use in case of an accident; • Specifications for disposal of any contaminated materials resulting from cleanup activities; • Measures to be taken to restore any significant environmental damage caused by the spill or cleanup activities. Such measures are to be taken only when natural recovery would be very slow (more than 3 years) or not likely to occur without help; and • The plan shall be prepared prior to sending the request for proposal for dredging activities. 			
	<p>MM WR-1: Defined Best Management Practices (as described in Impact WR-1).</p>			
<p>WR-3 Possible leaks and spills of fuel, oil and other constituents associated with equipment use and maintenance have the potential to impact inland surface water quality.</p>	<p>PBIO-12: Spill Prevention Plan (as described in Impact WR-2). MM WR-1: Defined Best Management Practices (as described in Impact WR-1).</p>			

Exhibit C: California State Lands Commission Mitigation Monitoring Program

Potential Impact	Mitigation Measure	Monitoring/Reporting Action	Responsible Party	Timing
WR-11 Degradation of marine water quality would result from accidental discharge of fuel or other petroleum products.	<p>MM SWR-1: Post Advisories. Post advisories at the beach immediately prior to, during and for two days after dredging discharges occur.</p> <p>MM Project-1: Sampling Analysis Plan (as described in Impact WR-1).</p> <p>MM WR-1: Defined Best Management Practices (as described in Impact WR-1).</p>	Post advisories	District	During beach discharges
Air Quality				
AQ-4 The Project would contribute to Greenhouse Gas emissions.	<p>MM AQ-4: Efforts to Reduce Greenhouse Gas (GHG) Emissions. These measures will have the dual purpose of reducing air quality impacts and GHG impacts for the proposed Project.</p> <ul style="list-style-type: none"> All portable construction equipment shall be registered with the state's portable equipment registration program or permitted by the District by September 18, 2008. Idling of heavy-duty trucks will be limited to 5 minutes. Heavy-duty diesel-powered equipment purchased for the Project shall comply with federal and California diesel standards that are in force at the time of purchase. 	Implement air quality measures	District	During Project activities
Geology				
GEO-3 Placement of sediment at Goleta Beach compatibility of material with beach sand.	MM Project-1: Sampling Analysis Plan (as described in Impact WR-1).			

Exhibit C: California State Lands Commission Mitigation Monitoring Program

Potential Impact	Mitigation Measure	Monitoring/Reporting Action	Responsible Party	Timing
Biological Resources				
BIO-1 Desilting may adversely affect steelhead migration.	MM SBIO-1: Hydraulic Dredging Schedule. Hydraulic dredging activities should be scheduled to begin earlier in the fall (15 October) if permitting agencies will authorize this, thereby increasing the probability that dredging would be completed prior to the rains that result in runoff and creek flow to the ocean triggering steelhead to enter the streams. Beginning dredging two weeks earlier in the fall (15 October) would have no increased impacts to biological resources in the Slough or at the discharge location.	Prepare schedule	District	Two months prior to Project activities
	MM SBIO-2: Hydraulic Dredging Reduced Timing. Hydraulic dredging will be reduced to less than 24 hours per day after rainfall events that results in a runoff pulse (10 to 20 cubic feet per second as measured at the Maria Ygnacia Creek gauge). The threshold flow amount will be determined through the Section 7 (of the Endangered Species Act) consultation process associated with the issuance of a U.S. Army Corps of Engineers permit for work.	Reduce daily hydraulic dredging activities	District/ Contractor	During Project activities
BIO-2 Desilting may adversely affect survival and foraging of tidewater goby.	MM BIO-2: Tidewater Goby Refuge. Tecolotito Creek and Los Carneros Creek downstream of the basins provides high quality tidewater goby habitat and shall not be desilted; <ul style="list-style-type: none"> Desilting at the Tecolotito and Los Carneros basins shall not be conducted simultaneously, to minimize total habitat disturbance in this part of the Slough. Hydraulic dredging and dragline desilting in Atascadero Creek shall be designed and implemented so as to leave an undisturbed 10-foot-wide strip of streambed along the entire south edge of the channel. 	Include in dredging and draglining contracts and implement measures	District	Prior to and during Project activities
BIO-12 Spills of fuel or hydraulic fluid would adversely affect	PBIO-12: Spill Prevention Plan (as described in Impact WR-2).			

Exhibit C: California State Lands Commission Mitigation Monitoring Program

Potential Impact	Mitigation Measure	Monitoring/Reporting Action	Responsible Party	Timing
aquatic wildlife, vegetation and birds.				
BIO-13 Desilting would disturb raptor and heron roosts, and swallow nesting.	<p>MM PBIO-13: Time Restrictions or Monitoring. Mitigate potential adverse impacts to raptor and heron roosting/perching by limiting dredging to daytime hours or by developing a plan to monitor the response of the birds to Project activities. Perform dredging in the Goleta Slough and drag-line desilting in Tecolotito Creek after the swallow breeding season has been completed and before the next season begins (between August 1 and April 1).</p> <p>Plan Requirements and Timing: A raptor and heron roosting monitoring plan shall be developed and include:</p> <ul style="list-style-type: none"> • Methodology for observing birds including a schedule of surveying prior to desilting (baseline conditions) and to coincide with periods of activity, including at night that could affect the birds. • Criteria for determining an adverse impact is occurring. • Measures to be taken if adverse impacts occur, and procedures to follow in implementing these measures. • The plan shall be prepared and approved by the District biologist prior to commencing dredging activities. 	Limit dredging or prepare and implement monitoring plan	District Biologist	Prior to and during Project activities
	<p>MM BIO-13: Breeding Bird Monitoring and Avoidance. If desilting activities are anticipated to occur or extend into the bird breeding season (February 15 through August 1), breeding bird monitoring and avoidance shall be implemented, and include:</p> <ul style="list-style-type: none"> • A breeding bird survey shall be completed by a qualified biologist within all areas within 200 feet of desilting activities; 	Measures shall be included in the desilting contract specifications and implemented according to the	District	Prior to and during Project activities

Exhibit C: California State Lands Commission Mitigation Monitoring Program

Potential Impact	Mitigation Measure	Monitoring/Reporting Action	Responsible Party	Timing
	<ul style="list-style-type: none"> Active nests shall be identified and monitored by a qualified biologist; If desilting activities are found to substantially affect breeding and/or foraging behavior at the nest site, a buffer shall be established by a qualified biologist and desilting work postponed within the buffer area until the nest is abandoned or young have fledged. 	desilting schedule, when activities would occur within the bird breeding season.		
BIO-14 Dredging near the mouth of the Slough and use of the booster pump may adversely affect brown pelican and Belding's savannah sparrow.	MM PBIO-14: Avoid Native Vegetation. Areas of native vegetation shall be avoided when placing the pipeline in upland areas. The locations where the pipeline could be placed with negligible effect on vegetation and sensitive species shall be shown on plan maps of the site and shall be marked (using flagging) in the field by a qualified biologist working with the dredge operator.	Determine pipeline locations	District biologist and dredge operator	Prior to Project activities
BIO-15 Disposal of dredged sediments at Goleta Beach may adversely affect grunion spawning.	MM PBIO-15: Grunion Survey and Avoidance. Prior to pipe laying across the beach and discharge of sediments during grunion spawning season, conduct a survey (on high tides at night) to determine if grunion use Goleta Beach. If they do, suspend dredging and pipe moving activities as night and minimize vehicle activities on the beach to prevent damage to eggs in the sand; or	Conduct grunion survey	District	Prior to Project activities
	MM BIO-15: Grunion Surveys and Avoidance. If equipment activity is anticipated to occur on the beach during the documented grunion spawning season (March through September) nightly field observations (during favorable tide conditions as designated by California Department of Fish and Wildlife [CDFW]) for grunion spawning activities at Goleta Beach shall be completed for two weeks prior to the proposed deposition and grading of sand on the beach. No	Conduct grunion survey	District	Two weeks prior to Project activities

Exhibit C: California State Lands Commission Mitigation Monitoring Program

Potential Impact	Mitigation Measure	Monitoring/Reporting Action	Responsible Party	Timing
	sediment discharge or equipment activity shall be allowed if grunion spawning has occurred at any time during the prior two-week period without specific authorization from State and federal resource agencies (CDFW and National Oceanic and Atmospheric Administration Fisheries).			
BIO-16 Turbidity and siltation caused by disposal of dredged sediments at Goleta Beach may adversely affect sensitive nearshore marine habitats.	MM BIO-16: Marine Turbidity Plume Monitoring. The proposed updated maintenance program includes onshore visual monitoring of the turbidity plume during beach disposal operations. If the turbidity plume is observed to reach kelp beds or eelgrass beds (east of Goleta Pier, off Goleta Point) beach disposal shall be terminated until the turbidity plume has dissipated.	Conduct monitoring	District	During Project activities
Risk of Upset/Hazardous Materials				
RU-1 The use, maintenance and fueling of equipment has the potential to result in the discharge of hazardous material to the environment from leaks and accidental spills.	PBIO-12: Spill Prevention Plan (as described in Impact WR-2). MM WR-1: Defined Best Management Practices (as described in Impact WR-1).			
RU-2 Discharge of pesticides associated with	PBIO-12: Spill Prevention Plan (as described in Impact WR-2).			

Exhibit C: California State Lands Commission Mitigation Monitoring Program

Potential Impact	Mitigation Measure	Monitoring/ Reporting Action	Responsible Party	Timing
restoration Activities have the potential to significantly impact human and environmental health.	MM WR-1: Defined Best Management Practices (as described in Impact WR-1).			
Cultural Resources				
CR-1 Dredging activities at Atascadero Creek have the potential to impact CA-SBA-45.	MM PCR-1a: Avoidance of SBA-45 and Locus 21. Dredging excavation shall not occur within a minimum 25-foot distance measured along the top of creek banks, and within five feet of the existing creek bank toe of slope adjacent to Locus 2 and SBA-45 site boundaries. These avoidance areas shall be temporarily staked during construction.	Stake avoidance areas	District in coordination with a qualified archaeologist	Prior to commencement of dredging activities
	MM PCR-1b: Monitoring of Archaeological Sites. All dredging operations within archaeological sites and buffer areas shall be monitored by a County-approved archaeologist and local Native American representative. If unexpected archaeological remains are encountered, dredging activities shall be redirected elsewhere until the significance of the materials can be evaluated pursuant to County Cultural Resource Guidelines. If significant and feasible, dredging activities shall be redesigned to avoid further disturbances to the cultural deposit. If not avoidable, Phase 3 data recovery excavations shall be undertaken pursuant to County Cultural Resource Guidelines.	Implement monitoring	District in coordination with a qualified archaeologist and a Native American representative	During Project activities

Exhibit C: California State Lands Commission Mitigation Monitoring Program

Potential Impact	Mitigation Measure	Monitoring/Reporting Action	Responsible Party	Timing
<p>CR-2 Project-related exposure of CA-SBA-45 may increase its exposure to unauthorized cultural artifact collectors.</p>	<p>MM PCR-1a: Avoidance of SBA-45 and Locus 2 (as described in Impact CR-1).</p>			
	<p>MM CR-2a: Worker Cultural Orientation. At Goleta Slough Flood Control Dredging Project work locations #1 Atascadero Creek, #2 San Jose Creek & Enhancement, #3 San Pedro Creek & Enhancement and #6 Goleta Beach Replenishment, before commencing work, Project crews and personnel shall be informed of the importance of the potential archaeological resources in the area and of the regulatory protections afforded to the resources. The crew should be informed of procedures relating to the discovery of archaeological remains during Project activities and cautioned to avoid archaeological areas with equipment and not to collect artifacts. Personnel and the crew should inform their supervisor and the on-site monitor should cultural remains be uncovered.</p>	<p>Conduct cultural resources training</p>	<p>District in coordination with a qualified archaeologist</p>	<p>Prior to commencement of dredging activities</p>
	<p>MM CR-2b: Demarcation of Archaeological Sites. Known archaeological sites shall be avoided, so as not to inflict a significant impact to the site. Avoidance can be accomplished by having the archaeologist and project engineer demarcate on the ground cultural resource boundaries that occur adjacent to work areas to ensure that proposed Project improvements do not impinge on the resource(s). Construction equipment can then be directed away from the resource, and construction personnel directed to avoid entering the area. This applies to work locations #1 Atascadero Creek, #2 San Jose Creek & Enhancement, #3 San Pedro Creek & Enhancement and #6 Goleta Beach Replenishment, where archaeological sites have been recorded.</p>	<p>Demarcate cultural resource boundaries</p>	<p>District in coordination with a qualified archaeologist</p>	<p>Prior to commencement of Project activities</p>

Exhibit C: California State Lands Commission Mitigation Monitoring Program

Potential Impact	Mitigation Measure	Monitoring/Reporting Action	Responsible Party	Timing
CR-3 Dredging activities at Atascadero Creek, San Jose Creek and San Pedro Creek have the potential to impact CA-SBA-46.	<p>MM PCR-1a: Avoidance of SBA-46 and Locus 2 (as described in Impact CR-1).</p> <p>MM PCR-1b: Monitoring of Archaeological Sites (as described in Impact CR-1).</p>			
CR-4 Installation and removal of the pipeline for the Goleta Beach surf zone work associated with beach replenishment has the potential to impact CA-SBA-1695.	<p>MM PCR-1b: Monitoring of Archaeological Sites (as described in Impact CR-1).</p> <p>MM CR-2a: Worker Cultural Orientation (as described in Impact CR-2).</p>			
CR-5 Project activities have the potential to disturb Native American human remains.	<p>MM CR-2a: Worker Cultural Orientation (as described in Impact CR-2).</p> <p>MM CR-5: Proper Disposition of Human Remains. If Native American human remains are discovered during Project construction at any Goleta Slough Flood Control Dredging Project work locations, the Project Archaeologist shall be notified and State laws relating to the disposition of Native American burials, which fall within the jurisdiction of the Native American Heritage Commission (NAHC) (Public Resource Code Sec. 5097), shall be followed. The coordination of the procedures outlined in the Proposed</p>	Implement monitoring	District in coordination with a qualified archaeologist and the County Coroner	During Project activities

Exhibit C: California State Lands Commission Mitigation Monitoring Program

Potential Impact	Mitigation Measure	Monitoring/ Reporting Action	Responsible Party	Timing
	<p>Native American Burial Protection Plan is the responsibility and under the authority of the lead agency for this Project.</p> <p>In the event that human remains are unearthed, all work shall stop in the area of the find and any nearby area reasonably suspected to overlie adjacent human remains and the County Coroner notified. If the remains are determined to be of Native American descent, the Coroner shall notify the NAHC within 24 hours. Reburial or disposal of human remains shall be conducted according to the instructions of the most likely descendent, as identified by the NAHC.</p>			
<p>CR-7 Impacts to previously unidentified cultural resources.</p>	<p>MM CR-7: Stop Work Order. If cultural resources are encountered during implementation of the Project, construction work must be stopped and all activity that disturbs the earth within fifty feet must be suspended or moved to another area. The area will be staked or flagged until an archaeologist determines significance of the discovery and recommends the methods of evaluation. All discoveries of cultural resources must be evaluated and mitigated if determined significant. After the find has been mitigated, work may resume at that location. A Native American monitor shall be retained to observe any ground disturbances that contain or may contain Native American artifacts or objects of religious significance.</p>	<p>Suspend activity if cultural resources are encountered and document finds</p>	<p>District in coordination with a qualified archaeologist and a Native American representative</p>	<p>During Project activities</p>
<p>Recreation</p>				

Exhibit C: California State Lands Commission Mitigation Monitoring Program

Potential Impact	Mitigation Measure	Monitoring/ Reporting Action	Responsible Party	Timing
REC-1 Stockpiling and desilting operations may result in impacts to recreational resources within areas adjacent to the Goleta Slough.	MM Project-3: Timing of dredging and staging operations. Dredging and staging operations would be timed to avoid the peak recreation season for recreational use of Goleta Beach.	Schedule Project operations	District	Prior to Project activities
REC-2 Beach replenishment activities may result in impacts to recreational resources.	MM SWR-1: Post Advisories (as described in Impact WR-11). MM Project-1: Sampling and Analysis Plan (as described in Impact WR-1). MM Project-3: Timing of dredging and staging operations (as described in Impact REC-1).			
REC-3 Transfer of desilted sediment by truck may interfere with recreational opportunities.	MM Project-1: Sampling and Analysis Plan (as described in Impact WR-1). MM Project-3: Timing of dredging and staging operations (as described in Impact REC-1).			
Cumulative Impacts				
WR-CUM-2 Cumulative projects could result in short-term impacts to surface water	PBIO-12: Spill Prevention Plan (as described in Impact WR-2). MM Project-1: Sampling Analysis Plan (as described in Impact WR-1). MM WR-1: Defined Best Management Practices (as described in Impact WR-1).			

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Potential Impact	Mitigation Measure	Monitoring/Reporting Action	Responsible Party	Timing
quality in stream channels.	MM CUM-2: District will notify appropriate agencies of Project activities and scheduling to reduce cumulatively considerable impacts.	Notify appropriate agencies	District	Prior to Project activities
WR-CUM-4 Cumulative impacts could result in turbidity of waters offshore of Goleta Beach.	MM CUM-2: (as described in Impact WR-CUM-2).			
WR-CUM-5 Cumulative offshore water quality impacts could result from construction activities within Goleta Beach.	PBIO-12: Spill Prevention Plan (as described in Impact WR-2). MM Project-1: Sampling Analysis Plan (as described in Impact WR-1). MM WR-1: Defined Best Management Practices (as described in Impact WR-1). MM SWR-1: Post Advisories (as described in Impact WR-11). MM CUM-2: (as described in Impact WR-CUM-2).			
CUM-8 The Project would result in cumulatively significant impacts to tidewater goby.	MM BIO-2: Tidewater Goby Refuge (as described in Impact BIO-2)			
CUM-9 Cumulative development may result in significant	MM PBIO-16: Grunion Survey and Avoidance, or MM BIO 16: Grunion Surveys and Avoidance (alternative) (as described in Impact BIO-15). MM BIO-17: Marine Turbidity Plume Monitoring (as described in Impact BIO-16).			

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Potential Impact	Mitigation Measure	Monitoring/ Reporting Action	Responsible Party	Timing
cumulative impacts to grunion, nearshore marine habitats and biota.				
CUM-12 Cumulative development has the potential to result in significant impacts to known and presently unidentified archaeological/ cultural resources	MM PCR-1a: Avoidance of SBA-45 and Locus 2 (as described in Impact CR-1). MM CR-2a: Worker Cultural Orientation MM CR-2b: Demarcation of Archaeological Sites (as described in Impact CR-2).			
CUM-17 Cumulative development would result in less than significant impacts on recreation in the Goleta Slough and Goleta Beach areas.	MM CUM-2: (as described in Impact CUM-2).			