

Staff Report 42

APPLICANT:

U.S. Department of the Interior, Bureau of Reclamation

PROPOSED ACTION:

Issuance of General Lease – Public Agency Use

AREA, LAND TYPE, AND LOCATION:

Sovereign land in the Sacramento River channel and floodplain, between Redding and Corning, Shasta and Tehama Counties.

AUTHORIZED USE:

Restoration and rehabilitation of 17 sites in the bed of the Sacramento River channel and floodplain, to improve wildlife and aquatic habitats, as shown on Exhibits A and B.

TERM:

20 years; beginning February 28, 2023.

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; dredged materials may not be sold.

SPECIFIC LEASE PROVISIONS:

- In performing the restoration and rehabilitation operations, the Lessee will adhere to Best Management Practices to control turbidity and protect aquatic resources and habitats from excessive siltation in the general vicinity of the Project.
- Lessee acknowledges that grading materials from the Lease Premises is the property of the State of California and shall not be sold, and that Lessee is not

authorized to grade for purposes of commercial resale, environmental mitigation credits, or other private benefit without Lessor's prior written consent.

- Within 60 days of completing the restoration and rehabilitation project, Lessee will provide Lessor with photographs, a set of "as built" plans, and written confirmation which evidence completion of the project and identify the contours of the restoration, rehabilitation, and enhancement activities on and adjacent to state land. Lessor shall then replace Exhibit A, Land Description, and Exhibit B, Site and Location Map, to the Lease as necessary to accurately reflect the final location of the authorized restoration and rehabilitation. Once approved by the Lessor's Executive Officer or designee, the revised Exhibits shall replace the Exhibits incorporated in the Lease at the time of Lease execution. The replaced Exhibits shall be incorporated in the Lease as though fully set forth therein.

BACKGROUND:

On October 1, 2002, the Commission authorized issuance of a 20-year General Lease – Public Agency Use, to the United States Bureau of Reclamation (USBR), for continued placement and maintenance of clean gravel for the rehabilitation and restoration of King Salmon and winter-run Chinook Salmon spawning grounds at nine sites on the Sacramento River, near Redding, in Shasta County ([Item 38, October 1, 2002](#)). On February 9, 2016, the Commission authorized an amendment of the lease to modify lease terms and conditions to include dredging/restoration activity; include two additional sites in the Sacramento River known as North Cypress Side Channel and Kapusta 1A; include dredging activities as needed to create side channels; and to create nearshore benches ([Item 13, February 9, 2016](#)). On August 9, 2016, the Commission authorized an amendment of the lease to include 11 additional sites in the Sacramento River known as Salt Creek, Turtle Bay Island, Kutras Lake, South Cypress Side Channel, Tobiasson Island, Shea Island and Levee, South Shea Levee, Kapusta, Anderson River Park, Lake California, and Rio Vista ([Item 10, August 9, 2016](#)). On August 8, 2020, Lease No. PRC 5482 expired.

In Fall 2022, staff received a request for a Letter of Non-Objection (LON) from USBR, to allow access and restoration activities at site locations with time sensitive restoration needs. The urgency related to the effects of climate change and severe drought conditions on salmonids in the Sacramento River. The sites included, but are not limited to, Kapusta 1B, Market Street, Redding Riffle, Salt Creek, and Rockwads Phase One. These sites are affiliated with the Sacramento River Salmonid Spawning and Rearing Habitat Restoration Project (Project), funded by USBR and implemented by regional entities with various periods of oversight. In October 2022, staff issued a LON to USBR for one site in the Sacramento River (Kapusta 1B), to

facilitate access and restoration activities during the period of November 1, 2022 through April 30, 2023. On November 21, 2022, staff issued a second LON to USBR and Reclamation District No. 108, for four sites in the Sacramento River (Market Street, Redding Riffle, Salt Creek, and Rockwads Phase 1), to allow access and restoration activities during the period of December 1, 2022 through June 30, 2023, while staff was processing lease applications for such use.

USBR is applying for a General Lease - Public Agency Use, for restoration and rehabilitation of 17 sites in the bed of the Sacramento River channel and floodplain to improve wildlife and aquatic habitats, in Shasta and Tehama Counties. These sites are affiliated with the Sacramento River Salmonid Spawning and Rearing Habitat Restoration Project. The sites names include Painter, North Cypress, South Cypress, Tobiasson Island, Shea Island, Clear Creek, Kapusta Island and 1B, Anderson River Park, Reading Island, Battle Creek Confluence, Lake California, Rio Vista, Dog Island, Elks Lodge, South Sand Slough, Blackberry, and Blethen. USBR is collaborating with Chico State Enterprises, Tehama Reclamation District, and other implementers to facilitate the proposed work activities.

The proposed activities will have a lasting beneficial impact on aquatic, terrestrial, and riparian species by improving existing degraded habitat and providing additional new habitat for Chinook Salmon and steelhead. The public benefit will be a healthy ecosystem for this length of the river and its associated floodplain. Importantly, the project will enhance habitats and sustainability of the salmon, thereby increasing fish populations in the Sacramento River and the larger environmental ecosystem, which is a recognized Public Trust use.

PROJECT DESCRIPTION:

The overarching goal of the Project is to enhance the Chinook Salmon and steelhead spawning and rearing habitats through restoration measures, including the creation of additional side-channel and spawning habitats along the Sacramento River. The Project's work activities are summarized in Exhibit C – Project Description Summaries. These activities fall under the larger Upper Sacramento River Anadromous Fish Habitat Restoration Program.

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:

The proposed project will enhance habitats and sustainability, thereby increasing fish populations in the Sacramento River and the larger environmental ecosystem. The proposed action is considered beneficial because it will enhance fisheries, which is a recognized Public Trust use. Furthermore, the action will not impede or impair any other Public Trust uses in the area.

The project will enhance the fishing experience by restoring the habitat in the river. This wildlife and aquatic habitat restoration project is a water-dependent use that is consistent with the common law Public Trust Doctrine. As such, staff believes this particular use of public land, by the Applicant for a public benefit is consistent with the common law Public Trust Doctrine. Waterborne activities such as rafting, kayaking, and fishing are possible through nearby access points. The public can fish in the Sacramento River using boating vehicles such as kayaks and canoes. The project area will include signage and remote personnel to monitor safety measures. Signage will be placed upstream to alert boaters about project related equipment in the vicinity and on the adjacent upland at the entrance driveway leading to the project areas. As needed, project activities will pause operations to accommodate safe passage of boaters and recreators. Project activities will occur on weekdays when public recreation is at a minimum level. Restoration activities will have minimal to no impact on public access.

The lease includes certain provisions protecting the public’s use of the proposed lease area by requiring the Applicant to obtain all necessary permits. The lease also has a limited term of 20 years that allows the Commission flexibility to determine if the Public Trust needs of the area have changed over time. Furthermore, post-project monitoring will take place after project completion to evaluate outcomes of the project, implementation of the project, and project influences on habitat conditions.

CLIMATE CHANGE:

The project areas are not tidally influenced and therefore, would not be subject to sea level rise. However, as stated in [Safeguarding California: 2018 Update](#) (California Natural Resources Agency 2018), climate change is projected to increase the frequency and severity of natural disasters related to flooding, drought, and storms. In rivers, more frequent and powerful storms can result in increased flooding conditions and damage from storm-created debris. Conversely, prolonged droughts could dramatically reduce river flow and water levels, leading to loss of public access and navigability. Climate change will further influence riverine areas by changing erosion and sedimentation rates, and flooding and

storm flow, as well as runoff, will likely increase scour, decreasing bank stability at a faster rate.

Due to these potential changes, additional gravel placement may be needed in the future due to higher levels of flood exposure and more frequent storm events. Pursuant to the proposed lease, the Applicant acknowledges that the lease premises are located in areas that may be subject to effects of climate change.

CONCLUSION:

For all the reasons above, staff believes the issuance of this lease will not substantially interfere with Public Trust needs at this location, at this time, and for the foreseeable term of the proposed lease; is consistent with the Public Trust Doctrine; and is in the best interests of the State.

OTHER PERTINENT INFORMATION:

1. Approval or denial of the application is a discretionary action by the Commission. Each time the Commission approves or rejects a use of sovereign land, it exercises legislatively delegated authority and responsibility as trustee of the State's Public Trust lands as authorized by law. If the Commission denies the application, the Applicant will not be authorized to perform restoration and rehabilitation measures as defined in project documents. The lessee has no right to a new lease or a renewal of any previous lease.
2. This action is consistent with the "Leading Climate Activism", "Meeting Evolving Public Trust Needs", and "Committing to Collaborative Leadership" Strategic Focus Areas of the Commission's 2021-2025 Strategic Plan.
3. An application from the Reclamation District No. 108 (Application 3875) for restoration and rehabilitation of the bed of the Sacramento River channel and floodplain, to improve wildlife and aquatic habitats at five sites previously authorized by the Commission (Salt Creek, Market Street, Redding Riffle, Keswick, and Turtle Bay Island); and three sites not previously authorized by the Commission (Rockwads Phase One, Middle Creek, and Stillwater) as part of the Upper Sacramento River Anadromous Fish Habitat Restoration Program will be considered under a separate action at the February 28, 2023 Commission meeting.
4. Staff recommends that the Commission find that this activity is exempt from the requirements of the California Environmental Quality Act (CEQA) as a categorically exempt project. The project is exempt under Class 7, Actions by

Regulatory Agencies for Protection of Natural Resources; California Code of Regulations, title 14, section 15307.

Authority: Public Resources Code section 21084 and California Code of Regulations, title 14, section 15300.

EXHIBITS:

- A. Land Description
- B. Site and Location Map
- C. Project Description Summaries

RECOMMENDED ACTION:

It is recommended that the Commission:

CEQA FINDING:

Find that the activity is exempt from the requirements of CEQA pursuant to California Code of Regulations, title 14, section 15061 as a categorically exempt project, Class 7, Actions by Regulatory Agencies for Protection of Natural Resources; California Code of Regulations, title 14, section 15307.

PUBLIC TRUST AND STATE'S BEST INTERESTS:

Find that the proposed lease will not substantially impair the public rights to navigation and fishing or substantially interfere with the Public Trust needs and values at this location, at this time, and for the foreseeable term of the lease; and is in the best interests of the State.

AUTHORIZATION:

1. Authorize issuance of a General Lease – Public Agency Use to the Applicant beginning February 28, 2023, for a term of 20 years, to authorize the restoration and rehabilitation of 17 sites in the bed of the Sacramento River channel and floodplain to improve wildlife and aquatic habitats, as described in Exhibit A and shown on Exhibit B (for reference purposes only) attached and by this reference made a part hereof; consideration: 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; such permitted activity is contingent upon Applicant's compliance with applicable permits, recommendations, or limitations issued by federal, state, and local

governments; grading material shall be used for the benefit of the Project and may not be sold.

2. Authorize the Executive Officer or designee to replace Exhibits in the lease and review and approve "as-built" plans and post-completion reports detailing the final location of the restoration and rehabilitation activities, following project completion.

EXHIBIT A

LEASE 5482

LAND DESCRIPTION

Seventeen parcels of State owned submerged lands lying in the bed of the Sacramento River, Counties of Shasta and Tehama, State of California, described as follows:

PARCEL 1 (Painter)

A parcel of State owned submerged lands lying in the bed of the Sacramento River, adjacent on the left bank to fractional Section 31, T32N, R4W, MDM, as shown on the Official Government Township Plat approved on January 19, 1870 and adjacent on the right bank to Lot 37, as shown on the Map of the Rancho Buenaventura, approved July 18, 1856, Shasta County, State of California, described as follows:

Bounded on the north by a line parallel with and 400 feet southerly of the centerline of the State HWY 44 W crossing the Sacramento River;

Bounded on the south by a line parallel with and 1600 feet southerly of the centerline of the State HWY 44 W crossing the Sacramento River;

Bounded on the east by the Low Water of the right bank of the Sacramento River;

Bounded on the west by the Low Water of the left bank of the Sacramento River.

PARCEL 2 (North Cypress)

A parcel of State owned submerged lands lying in the bed of the Sacramento River, adjacent on the left bank to fractional Section 6, T31N, R4W, MDM, as shown on the official Government Township Plats approved on January 19, 1870 and adjacent on the right bank to Lot 37, as shown on the Map of the Rancho Buenaventura, approved July 18, 1856, Shasta County, State of California, described as follows:

Bounded on the north by a line parallel with and 1500 feet northerly of the centerline of the Cypress Avenue crossing the Sacramento River;

Bounded on the south by a line parallel with and 100 feet northerly of the centerline of the Cypress Avenue crossing the Sacramento River;

Bounded on the east by the Low Water of the right bank of the Sacramento River;

Bounded on the west by the Low Water of the left bank of the Sacramento River.

PARCEL 3 (South Cypress)

A parcel of State owned submerged lands lying in the bed of the Sacramento River, adjacent on the left bank to fractional Section 1, T31N, R5W and Section 6, T31N, R4W, MDM, as shown on the official Government Township Plats approved on January 19, 1870 and adjacent on the right bank to Lot 37, as shown on the Map of the Rancho Buenaventura, approved July 18, 1856, Shasta County, State of California, described as follows:

Bounded on the north by the center line of the East Cypress Avenue and its westerly prolongation, as shown on the Parcel Map No. 253-73 for Bob Barcaglia in the W ½ of Section 6, T31N, R4W, and E ½ of Section 1, T31N, R5W, MDM, in the Unincorporated Territory of the County of Shasta, filed in Book 2 of Parcel Maps at Page 137, Records of Shasta County;

Bounded on the south by the westerly prolongation of the south line of said Section 1, T31N, R5W, MDM as shown on the official Government Township Plat approved on January 19, 1870, Shasta County;

Bounded on the west by the Low Water of the right bank of the Sacramento River;

Bounded on the east by the Low Water of the left bank of the Sacramento River.

PARCEL 4 (Tobiasson Island)

A parcel of State owned submerged lands lying in the bed of the Sacramento River, adjacent on the left bank to SE 1/4 of Section 18 and NE 1/4 of Section 19, T31N, R4W, MDM, as shown on the official Government Township Plat approved on March 27, 1885 and adjacent on the right bank to Lot 38, as shown on the Map of the Rancho Buenaventura, approved July 18, 1856, Shasta County, State of California, described as follows:

Bounded on the north by the westerly prolongation of the southerly line of the parcel as shown on the map "Survey in Sec. 17 & 18 T.31N. R.4W. M.D.M." recorded on November 29, 1948 in Book 10 of Land Surveys at Page 39, Shasta County Records;

Bounded on the south by the westerly prolongation of the southerly line of NE 1/4 of NE 1/4 of Section 19, T31N, R4W, MDM, as shown on the official Government Township Plat approved on March 27, 1885, Shasta County;

EXCEPTING THEREFROM any portion lying landward of Low Water of the Sacramento River.

PARCEL 5 (Shea Island)

A parcel of State owned submerged lands lying in the bed of the Sacramento River, adjacent on the left bank to Section 30, T31N, R4W, MDM, as shown on the official Government Township Plat approved on March 27, 1885 and adjacent on the right bank to Lot 38, as shown on the Map of the Rancho Buenaventura, approved July 18, 1856, Shasta County, State of California, described as follows:

Bounded on the south by the westerly prolongation of the protracted south line of said Section 30 as shown on said Township Plat;

Bounded on the northeast by the southeasterly prolongation of the southwesterly line of the Parcel 1 as described in Grant Deed recorded on February 20, 2014 in Document 2014-0004447, Official Records of Shasta County;

EXCEPTING THEREFROM any portion lying landward of Low Water of the Sacramento River.

PARCEL 6 (Clear Creek)

A parcel of State owned submerged lands lying in the bed of the Sacramento River, adjacent on the left bank to Section 31, T31N, R4W, MDM, as shown on the official Government Township Plat approved on March 27, 1885 and adjacent on the right bank to Lot 38, as shown on the Map of the Rancho Buenaventura, approved July 18, 1856, Shasta County, State of California, described as follows:

Bounded on the north by a line parallel with and 200 feet southerly of the westerly prolongation of the protracted north line of said Section 31 as shown on said Township Plat;

Bounded on the south by a line parallel with and 800 feet southerly of the westerly prolongation of the protracted north line of said Section 31 as shown on said Township Plat;

EXCEPTING THEREFROM any portion lying landward of Low Water of the Sacramento River.

PARCEL 7 (Kapusta Island &1B)

A parcel of State owned submerged lands lying in the bed of the Sacramento River, adjacent on the left bank to Section 32 and 33, T31N, R4W, MDM, as shown on the official Government Township Plat approved on March 27, 1885 and adjacent on the right bank to Lot 38, as shown on the Map of the Rancho Buenaventura, approved July 18, 1856, Shasta County, State of California, described as follows:

Bounded on the west by the northerly prolongation of the west line of Lot 7 as shown on Unit No. 1 River Ranch Subdivision in Section 34 P.B. Reading Grant of the Rancho San Buenaventura, filed in Book 8 of Maps, Page 34, Records of Shasta County;

Bounded on the southeast by a line parallel with and 700 feet southeasterly of the northeasterly prolongation of the southeasterly line of the Parcel "A" as shown on the Parcel Map No. 973-77 recorded in Book 12 of Parcel Maps at Page 140, Records of Shasta County;

Bounded on the south and southwest by the Low Water of the right bank of the Sacramento River;

Bounded on the northwest, north and northeast by the Low Water of the left bank of the Sacramento River.

PARCEL 8 (Anderson River Park)

A parcel of State owned submerged lands lying in the bed of the Sacramento River, adjacent on the left bank to fractional Section 12, T30N, R4W and Section 7, T30N, R3W, MDM, as shown on the official Government Township Plats approved on January 19, 1870 and adjacent on the right bank to Lot 37, as shown on the Map of the Rancho Buenaventura, approved July 18, 1856, Shasta County, State of California, described as follows:

Bounded on the east by the northerly prolongation of the east line of Lot 2 as shown on Tract No. 1161 Wildwood Shores Subdivision, filed in Book 13 of Maps, Page 18, Records of Shasta County;

Bounded on the northwest by the line extended northeasterly and southwesterly to Low Water of the right and left banks of the Sacramento River, lying perpendicular to the southeast end of that course described as "S 55° 00' E 330.00 feet" as shown on "Survey of Parcel of Land in Sections 46 & 47, P.B. Reading Grant" recorded on August 6, 1957 in Book 20 of Land Surveys at Page 5, Records of Shasta County;

EXCEPTING THEREFROM any portion lying landward of Low Water of the Sacramento River.

PARCEL 9 (Reading Island)

A parcel of State owned submerged lands lying in the bed of the Sacramento River, adjacent on the left bank to fractional Section 34, T30N, R3W, MDM, as shown on the Official Government Township Plat approved on January 19, 1856 and adjacent on the right bank to Lot 37, as shown on the Map of the Rancho

Buenaventura, approved July 18, 1856, Shasta County, State of California, described as follows:

Bounded on the north by a line parallel with and 1500 feet southerly of the westerly prolongation of the north line of said Section 34 as shown on said Township Plat;

Bounded on the south by the westerly prolongation of the south line of said Section 34 as shown on said Township Plat;

EXCEPTING THEREFROM any portion lying landward of Low Water of the Sacramento River.

PARCEL 10 (Battle Creek)

A parcel of land as shown on that certain Record of Survey map filed on August 13, 1984 in Book V of Maps at Page 1, Recorder Office of Tehama County.

PARCEL 11 (Lake California)

A parcel of State owned submerged lands lying in the bed of the Sacramento River, adjacent to fractional Section 28, T29N, R3W, MDM, as shown on the official Government Township Plat approved on January 19, 1870, Tehama County, State of California, described as follows:

Bounded on the east by the southerly prolongation of the east line of the of said Section 28 as shown on the official Government Township Plat approved on January 19, 1870, Tehama County;

Bounded on the south by the easterly prolongation of the south line of the of said Section 28 as shown on the official Government Township Plat approved on January 19, 1870, Tehama County;

Bounded on the northwest and west by the BLA 107, as recorded June 4, 1969 in Book 529 at Page 264 Official Records of Tehama County;

Bounded on the east, southeast and south by the Low Water of the left bank of the Sacramento River.

PARCEL 12 (Rio Vista)

A parcel of State owned submerged lands lying in the bed of the Sacramento River, adjacent to Sections 8 and 9, T27N, R3W, MDM, as shown on the official Government Township Plat approved on December 18, 1868, Tehama County, State of California, described as follows:

Bounded on the north by the easterly prolongation of the northerly line of the of SW1/4 of Section 9, T27N, R3W, MDM, as shown on the official Government Township Plat approved on December 18, 1868, Tehama County;

Bounded on the south by the easterly prolongation of the south line of the of Section 8, T27N, R3W, MDM, as shown on the official Government Township Plat approved on December 18, 1868, Tehama County;

Bounded on the northwest by the Low Water of the right bank of the Sacramento River;

Bounded on the southeast by the Low Water of the left bank of the Sacramento River.

PARCEL 13 (Dog Island)

A parcel of State owned submerged lands lying in the bed of the Sacramento River, adjacent to Sections 19 and 20, T27N, R3W, MDM, as shown on the official Government Township Plat approved on December 18, 1868, Tehama County, State of California, described as follows:

Bounded on the northeast by a line parallel with and 300 feet southwesterly of the centerline of the Interstate Highway 5 crossing the Sacramento River;

Bounded on the southeast by a line parallel with and 1800 feet northwesterly of the centerline of the Antelope Boulevard crossing the Sacramento River;

Bounded on the west and northwest by the Low Water of the right bank of the Sacramento River;

Bounded on the southeast by the Low Water of the left bank of the Sacramento River.

PARCEL 14 (Elks Lodge)

A parcel of State owned submerged lands lying in the bed of the Sacramento River, adjacent to Section 29, T27N, R3W, MDM, as shown on the official Government Township Plat approved on December 18, 1868, and Rancho El Primer Canon or Rio de Los Berrendos, as shown on the Rancho Plat approved on April 21, 1868, Tehama County, State of California, described as follows:

Bounded on the north by a line parallel with and 250 feet southerly of the northerly line of Section 29, T27N, R3W, MDM, as shown on the official Government Township Plat approved on December 18, 1868, Tehama County;

Bounded on the south by a line parallel with and 1100 feet southerly of the northerly line of Section 29, T27N, R3W, MDM, as shown on the official Government Township Plat approved on December 18, 1868, Tehama County;

Bounded on the southwest by the Low Water of the right bank of the Sacramento River;

Bounded on the northeast by the Low Water of the left bank of the Sacramento River.

PARCEL 15 (South Sand Slough)

A parcel of State owned submerged lands lying in the bed of the Sacramento River, adjacent to Section 28 T27N, R3W, MDM, as shown on the official Government Township Plat approved on December 18, 1868, and Rancho El Primer Canon or Rio de Los Berrendos, as shown on the Rancho Plat approved on April 21, 1868, Tehama County, State of California, described as follows:

Bounded on the northwest by a line parallel with and 1000 feet northwesterly of the southwesterly prolongation of the northwesterly line of said Rancho El Primer Canon or Rio de Los Berrendos, as shown on said Rancho Plat;

Bounded on the southeast by a line parallel with and 600 feet southeasterly the southwesterly prolongation of the northwesterly line of said Rancho El Primer Canon or Rio de Los Berrendos, as shown on said Rancho Plat;

Bounded on the southwest by the Low Water of the right bank of the Sacramento River;

Bounded on the northeast by the Low Water of the left bank of the Sacramento River.

PARCEL 16 (Blackberry)

A parcel of State owned submerged lands lying in the bed of the Sacramento River, adjacent to on the right bank to Rancho La Barranca Colorada, as shown on the Rancho Plat approved on May 19, 1859 and on the left bank to Rancho El Primer Canon or Rio de Los Berrendos, as shown on the Rancho Plat approved on April 21, 1868, Tehama County, State of California, described as follows:

Bounded on the northwest by a line parallel with and 250 feet southeasterly of the southwesterly prolongation of the centerline of the Blackberry Avenue;

Bounded on the southeast by a line parallel with and 500 feet northwesterly of the southwesterly prolongation of the centerline of the Eldrid Avenue;

Bounded on the southwest by the Low Water of the right bank of the Sacramento River;

Bounded on the northeast by the Low Water of the left bank of the Sacramento River.

PARCEL 17 (Blethen)

A parcel of State owned submerged lands lying in the bed of the Sacramento River, adjacent to on the right bank to Rancho Saucos, as shown on the Rancho Plat approved on April 16, 1857 and on the left bank to Rancho Rio de Los Molinos, as shown on the Rancho Plat approved on April 16, 1857, Tehama County, State of California, described as follows:

Bounded on the north by a line parallel with and 500 feet southerly of the township line between T24N and T25N, MDM crossing Sacramento River;

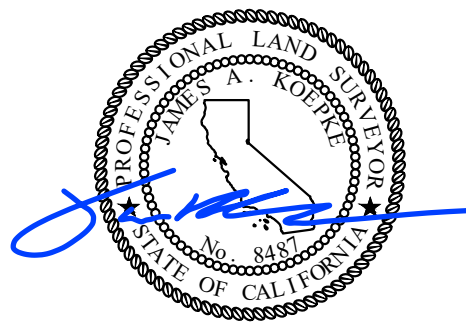
Bounded on the north by a line parallel with and 5200 feet southerly of the township line between T24N and T25N, MDM crossing Sacramento River;

Bounded on the west by the Low Water of the right bank of the Sacramento River;

Bounded on the east by the Low Water of the left bank of the Sacramento River.

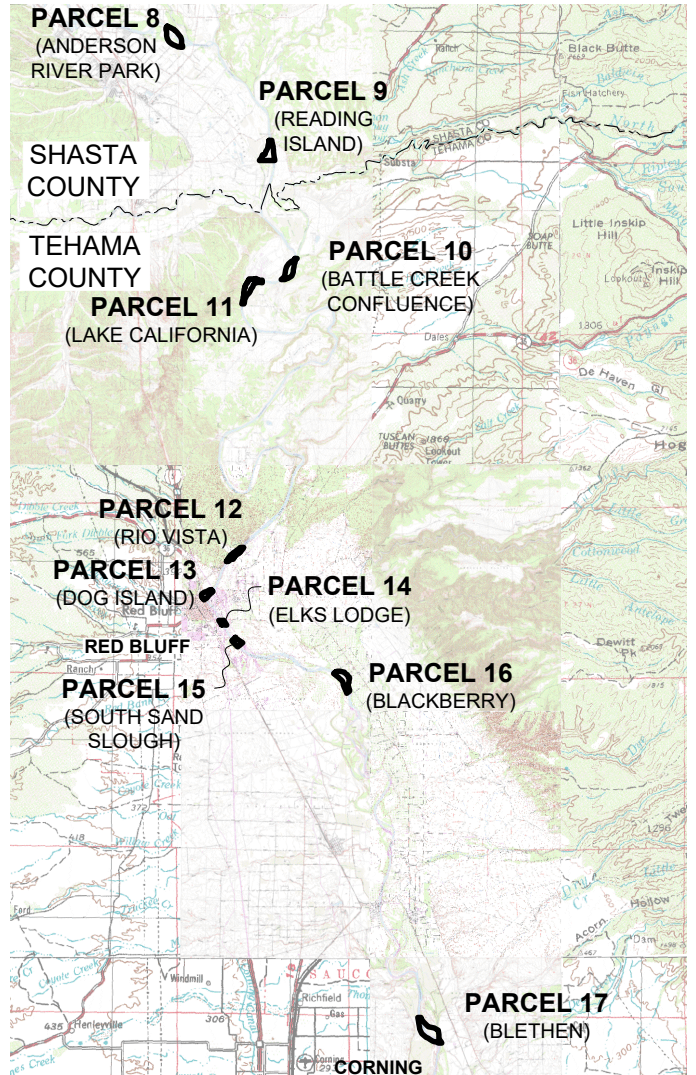
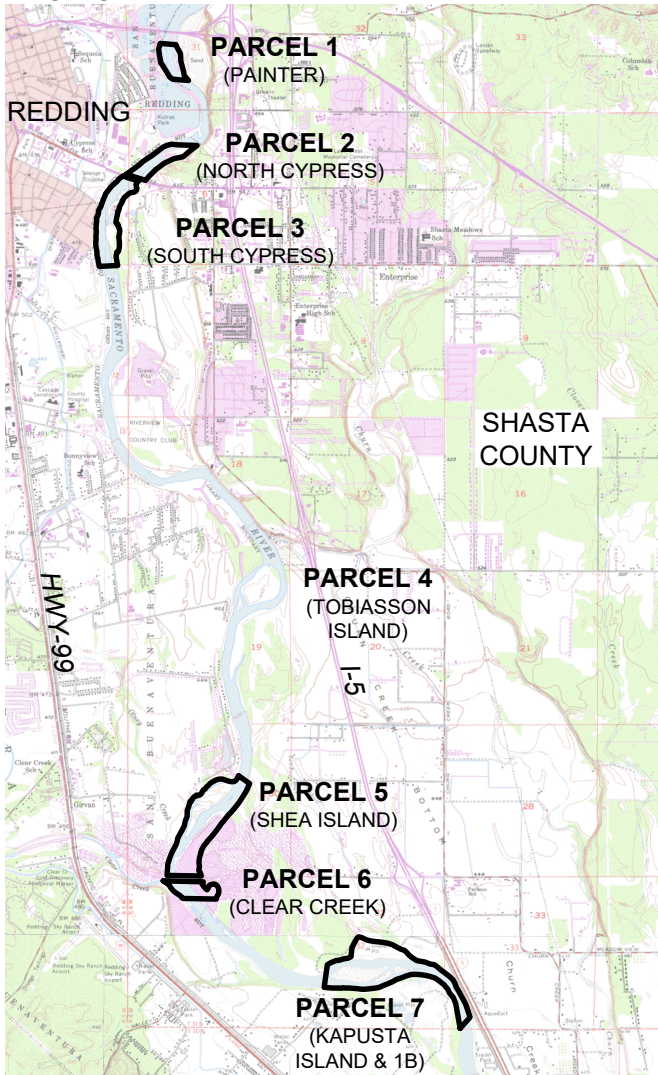
END OF DESCRIPTION

Prepared 01/18/2023 by the California State Lands Commission Boundary Unit.



NO SCALE

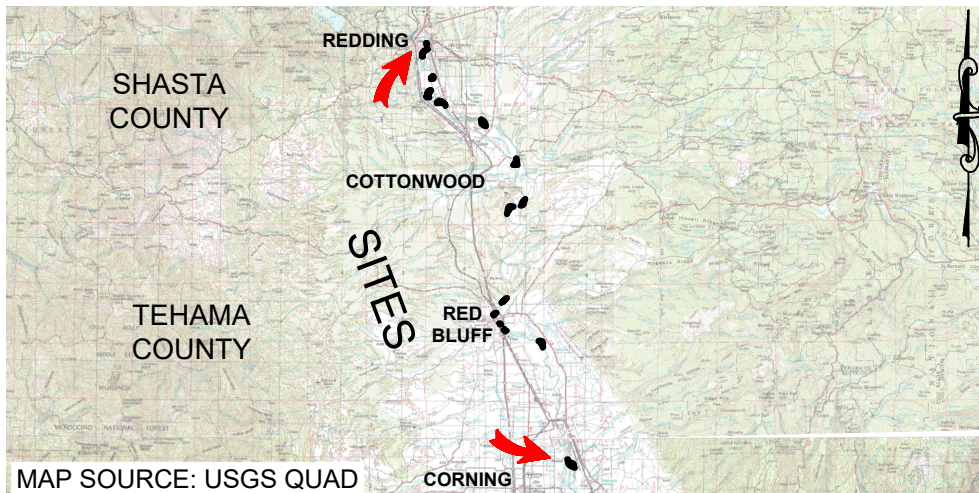
SITE



SACRAMENTO RIVER, BETWEEN REDDING AND CORNING

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

LEASE 5482
BUREAU OF RECLAMATION
GENERAL LEASE -
PUBLIC AGENCY USE
SHASTA & TEHAMA
COUNTIES



TS 01/18/2023

EXHIBIT C
Project Description Summaries
(L5482, A2723: USBR)

PROJECT PURPOSE AND GOALS

The proposed project is designed for habitat restoration and preservation of the Chinook Salmon and steelhead. The Project's overarching goal is to increase spawning and development areas for salmon, thereby boosting sustainability.

According to project-related documents, the restoration activities by location include, but are not limited to:

Painter: Monitoring site.

North Cypress: Periodic maintenance of the wildlife and aquatic habitat as needed, to keep the habitat in good condition.

South Cypress: Periodic maintenance of wildlife and aquatic habitat as needed, to keep the habitat in good condition.

Tobiasson Island: Excavate a new side channel to create rearing habitat for juvenile salmonids; place spawning gravel in the river to provide spawning habitat for adult salmon; and periodic maintenance as needed.

Shea Island: Excavate a new side channel to create rearing habitat for juvenile salmonids; place spawning gravel in the river to provide spawning habitat for adult salmon; restore side channel; sort materials and spoils; provide staging, access routes; plant riparian vegetation; and periodic maintenance as needed.

Clear Creek: Monitoring site.

Kapusta Island and 1B: Excavate a new side channel to create rearing habitat for juvenile salmonids; place spawning gravel in the river to provide spawning habitat for adult salmon; restore side channel; sort materials and spoils; provide staging, access routes; plant riparian vegetation; and periodic maintenance as needed.

Anderson River Park: Periodic maintenance of the wildlife and aquatic habitat as needed, to keep the habitat in good condition.

Reading Island: Periodic maintenance of the wildlife and aquatic habitat as needed, to keep the habitat in good condition.

Battle Creek Confluence: Excavate a new side channel to create rearing habitat for juvenile salmonids; place spawning gravel in the river to provide spawning habitat for adult salmon; and periodic maintenance as needed.

Lake California: Monitoring site.

Rio Vista: Monitoring site.

Dog Island: Create rearing habitat for salmonids; restore side channel; excavate an upstream opening to the side channel; sort materials and spoils to create additional habitat and recreational benefits; provide staging and access routes; plant riparian vegetation; and periodic maintenance as needed.

Elks Lodge: Create approximately three acres of periodically inundated floodplain rearing habitat; excavate approximately 5,000 cubic yards; create periodic rearing habitat and allow the site to drain back to the Sacramento River between inundation events; and periodic maintenance as needed.

South Sand Slough: Enhance existing side channel; lower the elevation of the two side channel inlets to extend the upper inlet further upstream and create a perennially flowing side channel; add wood and boulder structures to the channel to enhance habitat conditions; and periodic maintenance as needed.

Blackberry: Create rearing habitat for salmonids; remove rock bank protection and excavate fill plugging the side channel inlet to restore inundation during juvenile salmonid rearing periods; selective removal of aggraded sediment deposits and rehabilitation of more complex morphology, structure, and cover between the side channel inlet and the Craig Creek junction; add wood structure to the channel between the Creek junction and the outlet to increase habitat complexity; modify critical riffle at the channel outlet to improve fish passage into Antelope Creek; and periodic maintenance as needed.

Blethen: Create rearing habitat for salmonids; excavate side channel inlet to restore perennial flows to the side channel; selective removal of aggraded sediment deposits and rehabilitation of more complex morphology, structure, and cover between the side channel inlet and outlet; add wood structure to the side and the outlet to increase habitat complexity; and periodic maintenance as needed.