



Yolo Habitat Conservancy

County of Yolo • City of Davis • City of Winters • City of West Sacramento
City of Woodland • University of California, Davis

To: Gary Sandy, Chair
Members of the Board

From: Charlie Tschudin
Natural Resources Planner

Re: Authorize approval for Yolo Habitat Conservancy Executive Director to take necessary actions to execute a Certificate of Inclusion with Knights Landing Ridge Drain District to allow use of Yolo HCP/NCCP coverage for the Knights Landing Ridge Cut Erosion Repair Project

Date: July 18, 2022

REQUESTED ACTION:

Authorize approval for Yolo Habitat Conservancy Executive Director to take necessary actions to execute a Certificate of Inclusion with Knights Landing Drain District to allow use of Yolo HCP/NCCP coverage for the Knights Landing Ridge Cut Erosion Repair Project

BACKGROUND:

The Knights Landing Ridge Drain District is the local levee entity responsible for the maintenance and repair of the Knights Landing Ridge Cut, a human-made drainage channel constructed in 1914 to relieve flooding in the Colusa Basin by conveying flows into the Yolo Bypass. The Knights Landing Ridge Cut experiences erosion during high flows and is in need of repair to restore the flood damage risk-reduction capability of the originally constructed levee using structurally reliable erosion-control elements. The Knights Landing Ridge Drain District submitted a Special Participating Entity (SPE) request to the Yolo Habitat Conservancy to mitigate for the proposed levee repairs' biological impacts in May 2022.

The project is being proposed in two phases, Phase 1 of the repairs will begin at County Road 16 and run approximately 2,200 feet along the levee from levee stations 40+00 to 62+00. Phase 2 will continue the repairs approximately 1,900 feet south of levee station 62+00 to levee station 81+00 (see exhibit 1, Project Vicinity Map). The project involves placement of rock slope protection (RSP) in area between 20 and 30 feet wide along the bank of the Ridge Cut to stabilize the eroding levee slope. The first phase anticipates construction beginning August 1, 2022 and Phase 2 commencing as soon as funding becomes available. Both phases would occur when water is naturally low in order to minimize potential for in-water work. A breakdown of the approximately 23.47-acre project, including temporary and permanent impacts, is included below.

Phase 1

Land Cover Types	Perm. Impact	Temp. Impact	Fee Buffer	Total Acres
Developed	-	2.4-acres	-	2.4-acres
Ruderal with Covered Species Habitat	0.3-acres	7.7-acres	-	8-acres
Lacustrine and Riverine	1.11-acres	-	0.51-acres	1.62-acres
Total acres	1.41-acres	10.1-acres	0.51-acres	12.02-acres

Phase 2

Land Cover Types	Perm. Impact	Temp. Impact	Fee Buffer	Total Acres
Developed	-	2.5-acres	-	2.5-acres
Ruderal with Covered Species Habitat	0.1-acres	7.5-acres	-	7.6-acres
Valley Foothill Riparian	0.22-acres	-	.01-acres	0.23-acres
Lacustrine and Riverine	0.68-acres	0.01-acres	0.43-acres	1.12-acres
Total acres	1-acre	10.01-acres	0.44-acres	11.45-acres

To grant permit coverage to an SPE, the Conservancy must determine the requested permit coverage is available and establish a legally enforceable contract (SPE Agreement) with the SPE. The SPE Agreement binds the SPE to the relevant terms of the Yolo HCP/NCCP permits, Implementing Agreement, and Yolo HCP/NCCP. In addition to executing the SPE Agreement, the SPE entity must submit a complete application package, pay both the standard Yolo HCP/NCCP land cover fees and supplemental SPE charges per the SPE fee policy approved by the Board in May 2022, and complete any other steps required by the contract. Because the applicant is a local entity with coverage anticipated in the plan, the cost recovery charges will not be required and the applicant will only need to pay the mitigation fees. After these steps are complete, the Conservancy will issue a Certificate of Inclusion to the SPE. The YHC will collect an estimated \$133,709.50 in mitigation fees prior to issuing a Certificate of Inclusion for Phase 1 of the project and will collect approximately \$112,000 prior to issuing a second Certificate of Inclusion for Phase 2 of the project. The total fees for the project total approximately \$250,000. The mitigation fees are updated annually and are based on the fee rate at the time of payment; as the fees are likely to increase before Phase 2 commences, the total is approximate.

The Yolo Habitat Conservancy Implementation Advisory Committee received a presentation on the project at their June 29, 2022, meeting and voted to recommend that the Board of Directors allow the project to receive take coverage as a Special Participating Entity. Staff recommend approval of the Knights Landing Ridge Cut Erosion Repair project because the project will allow a local entity to improve infrastructure to the benefit of the residents and agricultural industry, and only result in impacts to two natural communities that the Conservancy tracks impacts to in the YHC Annual Report, 0.23-acres of the Valley Foothill Riparian land cover type and 2.73-acres of permanent impact and 0.01-acres of temporary impact to the Lacustrine and Riverine land cover type, both of which there is ample acreages remaining for the Conservancy to issue.



Exhibit 1: Vicinity Map

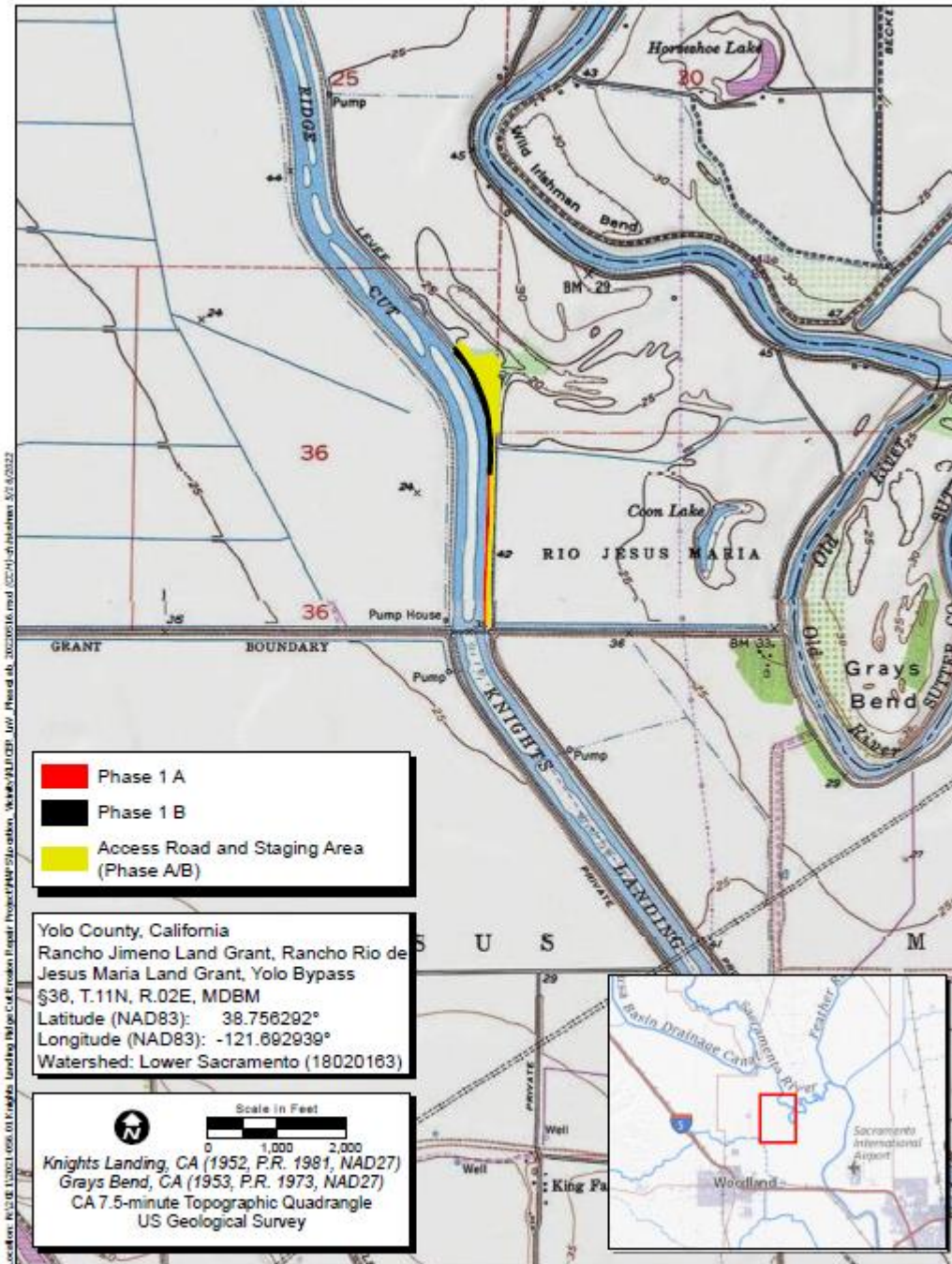


Figure 1. Knights Landing Ridge Cut Erosion Repair

2021-056.01 Knights Landing Ridge Cut Erosion Repair



ATTACHMENTS:

- 1. KLRC Erosion Repair Phase 1 Application**
- 2. KLRC Erosion Repair Phase 2 Application**

