

North Bay Aqueduct Alternate Intake Project Landowners Meeting

September 23, 2010
6:00pm – 8:00pm

Gretchen Higgins Elementary School
1525 Pembroke Way
Dixon, CA 95620



ESA is where
solutions and
service meet.

Purpose of Landowners Meeting

To inform landowners about upcoming field surveys and how the California Department of Water Resources can work most effectively with landowners in the study area

Agenda

- Open House
- Presentation
- Question and Answer Period
- Closing Remarks

Project Status Overview

- Early stages of the environmental review process
- Developing details about proposed project
- Identifying feasible alternatives to the proposed project
- Environmental impact report will consider potential impacts to a wide range of resources, including land use, public facilities, planned development, and many others
- Field surveys in the study area will help provide data to allow for thorough and accurate environmental studies

Ground Rules and Presentation Outline for Tonight's Meeting

- Meeting Facilitator
- Presentation
 - Project Overview, Status and Schedule
 - Environmental Review (CEQA)
 - Temporary Entry Permit Process
- Question and Answer Period
- Open House
 - Project staff available at stations to answer additional questions about the project and the environmental review process

PROJECT OVERVIEW

Introduction

- California Department of Water Resources
 - Lead Agency for California Environmental Quality Act (CEQA)

- North Bay Aqueduct Contractors
 - Solano County Water Agency (SCWA)
 - Fairfield, Vacaville, Benicia and Vallejo

 - Napa County Flood Control and Water Conservation District (Napa County FC&WCD)
 - Napa, American Canyon, Calistoga

Existing Facilities



Existing North Bay Aqueduct Facilities and Operations

- Constructed in two phases: 1967-68 and 1985-88
- Operated by the California Department of Water Resources (DWR) as part of the State Water Project (SWP)
- Existing intake on Barker Slough
- 27.6 mile pipeline
 - Connections at Travis Surge Tank and Cordelia Pumping Plant
 - Water treated at the North Bay Regional Water Treatment Plant
 - Terminates at the Napa Turnout Reservoir

Facility Limitations

- Pumping Restrictions
 - Biological Opinions and Incidental Take Permit requirements for State and federally listed species

- Water Quality
 - Reduced water quality after rain events due to surrounding agricultural and urban uses
 - Degraded water quality results in costly treatment processes

- Pipeline Capacity Limitations
 - 175 cubic feet per second design
 - 140 cubic feet per second maximum operating capacity due to bio-film buildup

Future Constraints and Demands

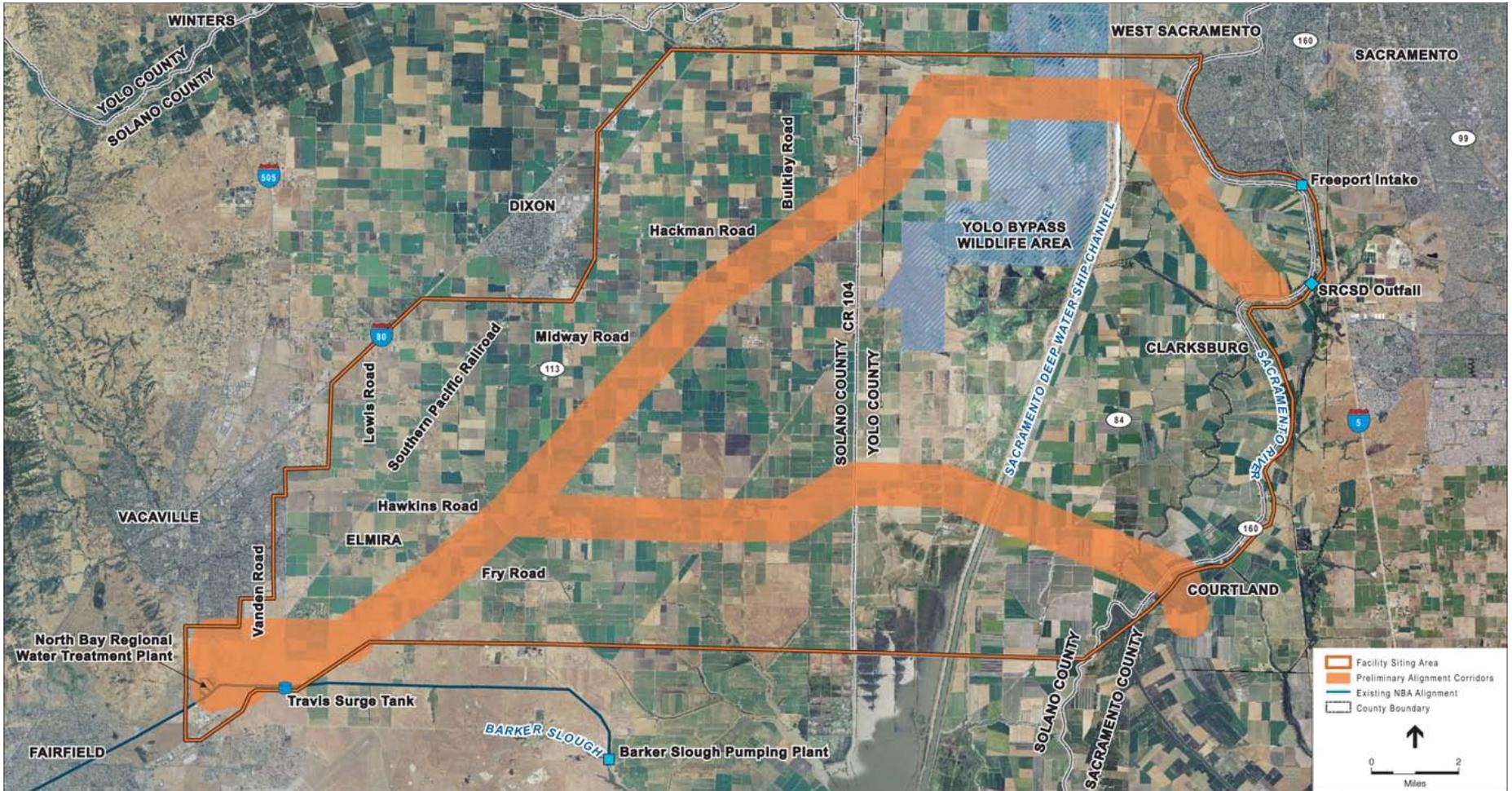
- Water Supply Reliability
 - Water supply demand is expected to continue to increase. The NBA contractors expect they will need their full entitlement – an increase of approximately 84% – by 2021

- Fishery Habitat
 - Barker Slough has been proposed as a conservation area for delta smelt which could result in additional pumping restrictions

Project Objectives

- Improve water quality deliveries to SCWA and Napa County FC&WCD
- Increase water supply reliability for SCWA and Napa County FC&WCD to meet future water supply demands
 - Up to existing contracts and water rights settlements
- Provide system flexibility in the event of a planned or unplanned operational interruption
- Reduce effects on sensitive species located in project area

Preliminary Alignment Corridors



Project Description

- Alternate intake structure and pumping plant on Sacramento River
 - Locate upstream of Sacramento Regional Wastewater Treatment Plant Outfall
 - State-of-the-art fish screens
 - 240 cubic feet per second peak flow capacity

- Pipeline connecting alternate intake with existing North Bay Aqueduct
 - Near the North Bay Regional Water Treatment Plant
 - Estimated 84 inches in diameter
 - Approximately 29 miles in length

- Related facilities
 - Sediment management facilities, power supply, A/V valves, blowoffs, and in-line storage

Project Description (cont'd)

- Dual Intake Operation
 - Minimize aquatic impacts
 - Minimize energy demands
 - Provide system redundancy
- Total diversions still capped by existing contracts and water right settlements (131,181 acre-feet per year)
- Project Schedule
 - DWR's goal is to have the project operational by 2017

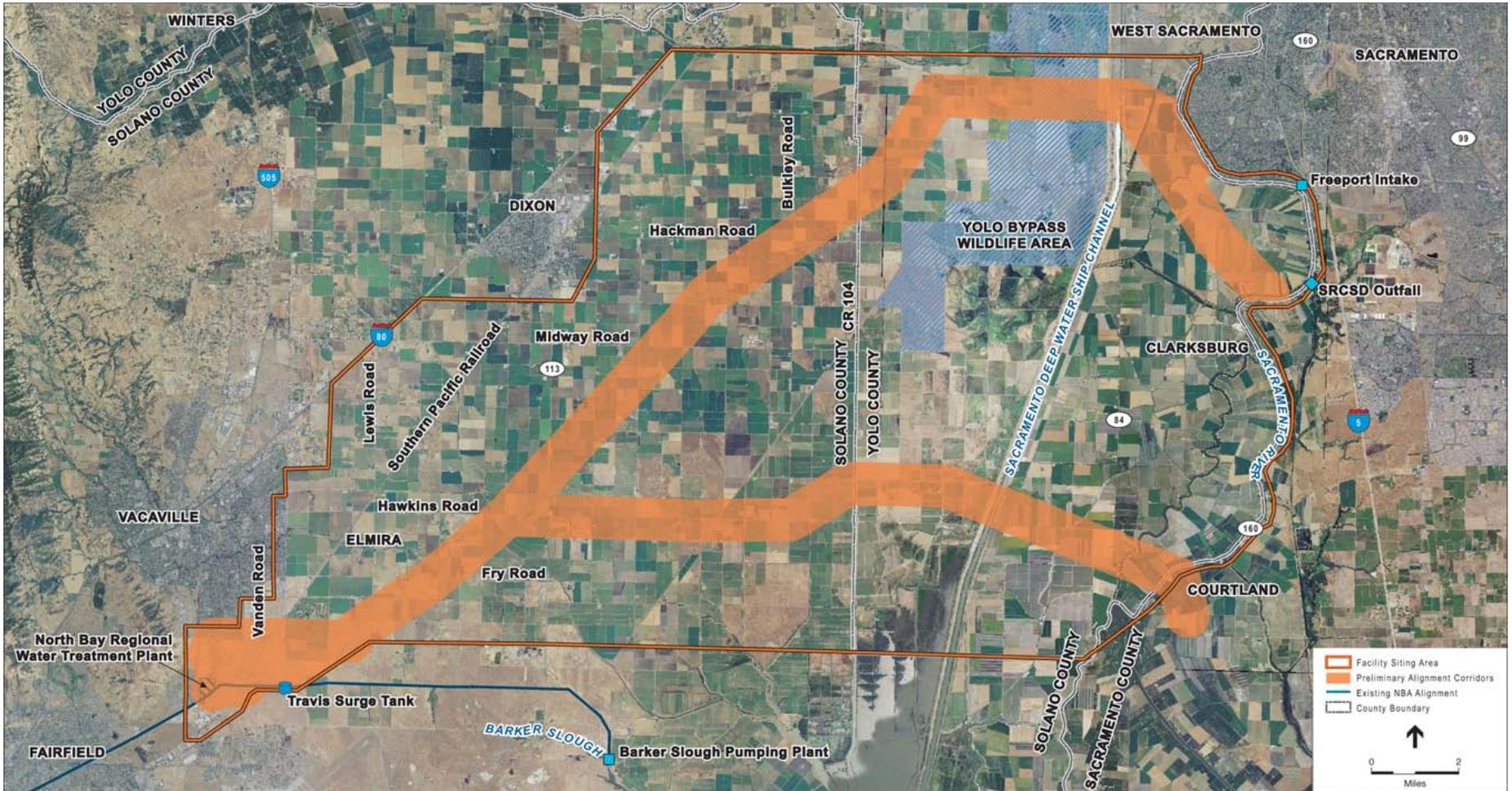
NBA AIP Relationship to Bay-Delta Conservation Plan

- Bay-Delta Conservation Plan (BDCP) : State and federal water system program
- Goal of the BDCP is to provide
 - Delta species/habitat protection
 - Improved reliability of water supplies
- BDCP evaluating range of conveyance options
 - Including new intakes on the Sacramento River connected to a new conveyance facility that would extend south connecting back to the existing SWP/CVP water export systems
- Potential for proposed BDCP and NBA AIP intake facilities to be integrated
 - Uncertainty about location, timing and implementation of BDCP facilities

NBA AIP Relationship to Bay-Delta Conservation Plan (cont'd)

- NBA AIP is a stand-alone project. It is not part of the Delta Habitat Conservation Program (DHCCP) that is part of BDCP
- NBA AIP is considering possible alternatives to include in the EIR that would integrate with proposed BDCP facilities

Preliminary Alignment Corridors



ENVIRONMENTAL REVIEW

Environmental Impact Report

The Environmental Impact Report (EIR) will:

- Disclose and evaluate potential environmental effects of the proposed NBA AIP project
- Provide DWR decision-makers with information so they can make an informed decision as part of the project approval process

Environmental and Cultural Resources Studies

Surveys anticipated to be conducted under the Temporary Entry Permit (TEP) Process:

- Cultural Resources
- Botanical
- Fisheries
- Hydrologic and Wetlands
- Environmental Site Assessment for hazardous materials
- Wildlife
 - Reptiles and Amphibians
 - Birds
 - Mammals

Data collected will be incorporated into the EIR and future permitting

Environmental and Cultural Resources Studies (cont'd)

- Surveys will be conducted over a 3-year period (not continuously)
- Timing of surveys will be resource-dependent
- Limited land disturbance will be required

Geotechnical Surveys

- Characterize geologic and soil conditions to inform:
 - Project design
 - Alignment
 - Installation techniques
- Subsurface exploration methods may include:
 - Borings: Drilling and cone penetration tests
 - Test pits

EIR Process and Schedule

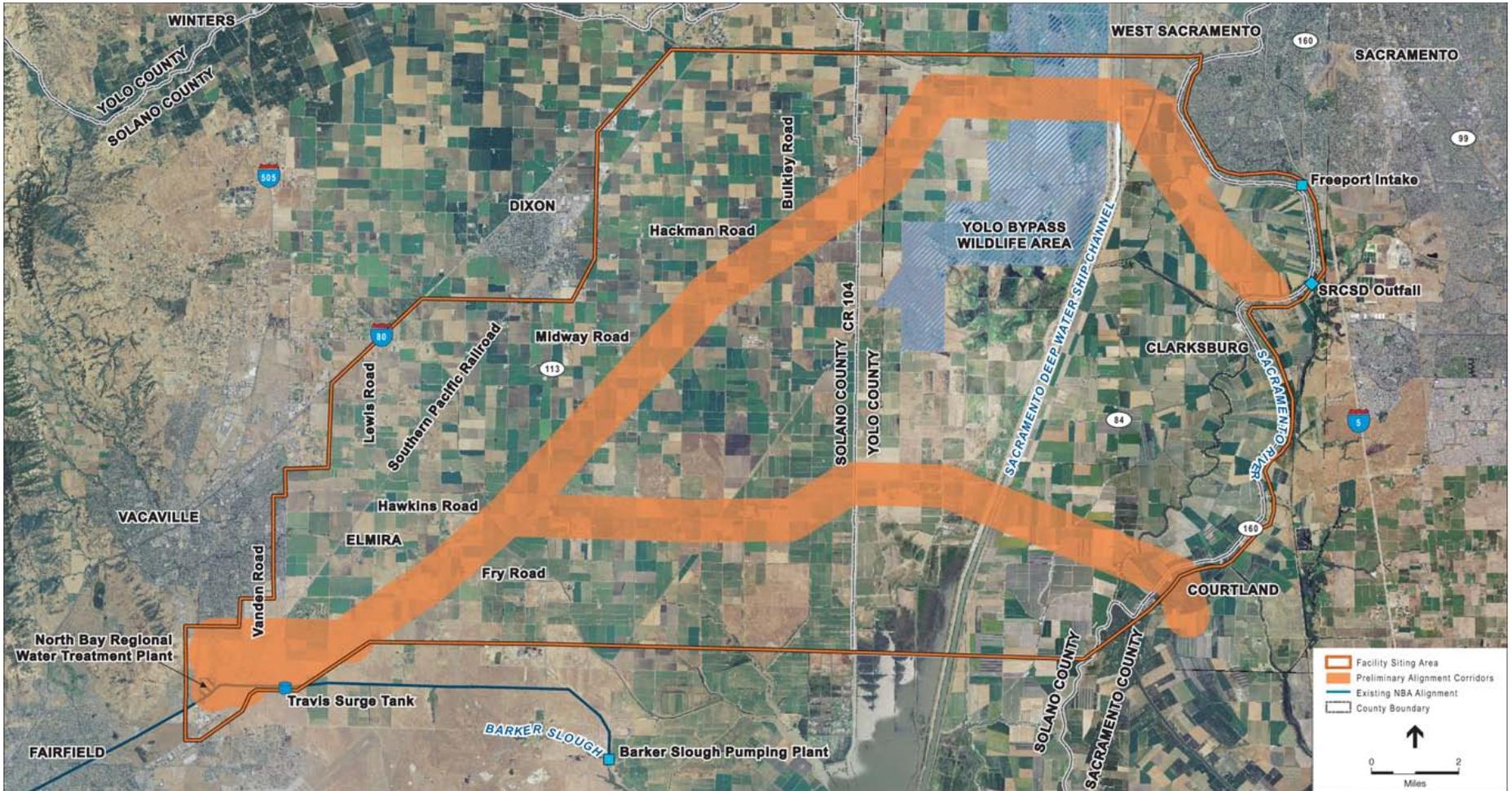


TEMPORARY ENTRY PERMIT PROCESS

Temporary Entry Permit Process

- How we identified where additional field surveys are needed
- The process that we plan to use to get permission to perform these surveys

Preliminary Alignment Corridors



Temporary Entry Permit Process

Temporary Entry Permits provide safeguards to you. They are set up to ensure that:

- Your property and rights are adequately protected
- You are reimbursed in the unlikely event we damage something on the property
- You are formally protected in the event that we have an accident on your property while conducting a survey

Temporary Entry Permit Process (cont'd)

A Temporary Entry Permit lists the following:

- The type and description of surveys to be conducted
- Duration of survey with start and end dates, hours of work
- Property owner protection if one of our employees gets hurt
- Protection for damages to property if caused by our surveys

QUESTIONS AND ANSWERS PERIOD

Questions And Answers Period

- Submit a speaker card
- Please focus your questions on the Temporary Entry Permit process
- Please observe the time limits
- If you have additional questions, let us know and after everyone has had an opportunity to speak, we'll come back around to you
- Submit written questions to:

NBAAIP@water.ca.gov

THANK YOU FOR PARTICIPATING IN TONIGHT'S MEETING

Contact Information:

Email address: NBAAIP@water.ca.gov

Project website:

<http://www.doe.water.ca.gov/Projects/Current/NBA/>

Project Information: Rashid Ahmad, (916) 654-5933

TEP Process: Linus Paulus, (916) 653-3947

Please add your name to the project mailing list by including your mailing address on the sign-in sheet and checking the box that indicates that you would like to be on the mailing list.