NORTH BAY AQUEDUCT ALTERNATE INTAKE PROJECT

LANDOWNERS MEETING

PROJECT DESCRIPTION / PURPOSE AND OBJECTIVES

PROJECT DESCRIPTION

The proposed project would include the construction and operation of an alternate intake on the Sacramento River and a new segment of NBA pipeline that would be operated in conjunction with the Barker Slough Pumping Plant. The proposed project would include the following facilities:

- A new alternate intake structure and pumping plant on the Sacramento River with state-of-the-art, positive barrier fish screens;
- A new pipeline segment to convey the water from the alternate intake to a point of connection with the existing NBA near the North Bay Regional Water Treatment Plant; and
- Other project-related structures including, A/V valves, blowoffs, in-line storage, etc.

PROJECT PURPOSE AND OBJECTIVES

The purpose of the proposed project is to provide long-term water quality improvements and water supply reliability for deliveries to SCWA and Napa County FC&WCD through the NBA. The proposed project would also provide operational flexibility to reduce effects on listed species and critical habitat in Barker Slough.

Project objectives are:

- Improve water quality of 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; and
- Reduce effects on sensitive species located in the project area.

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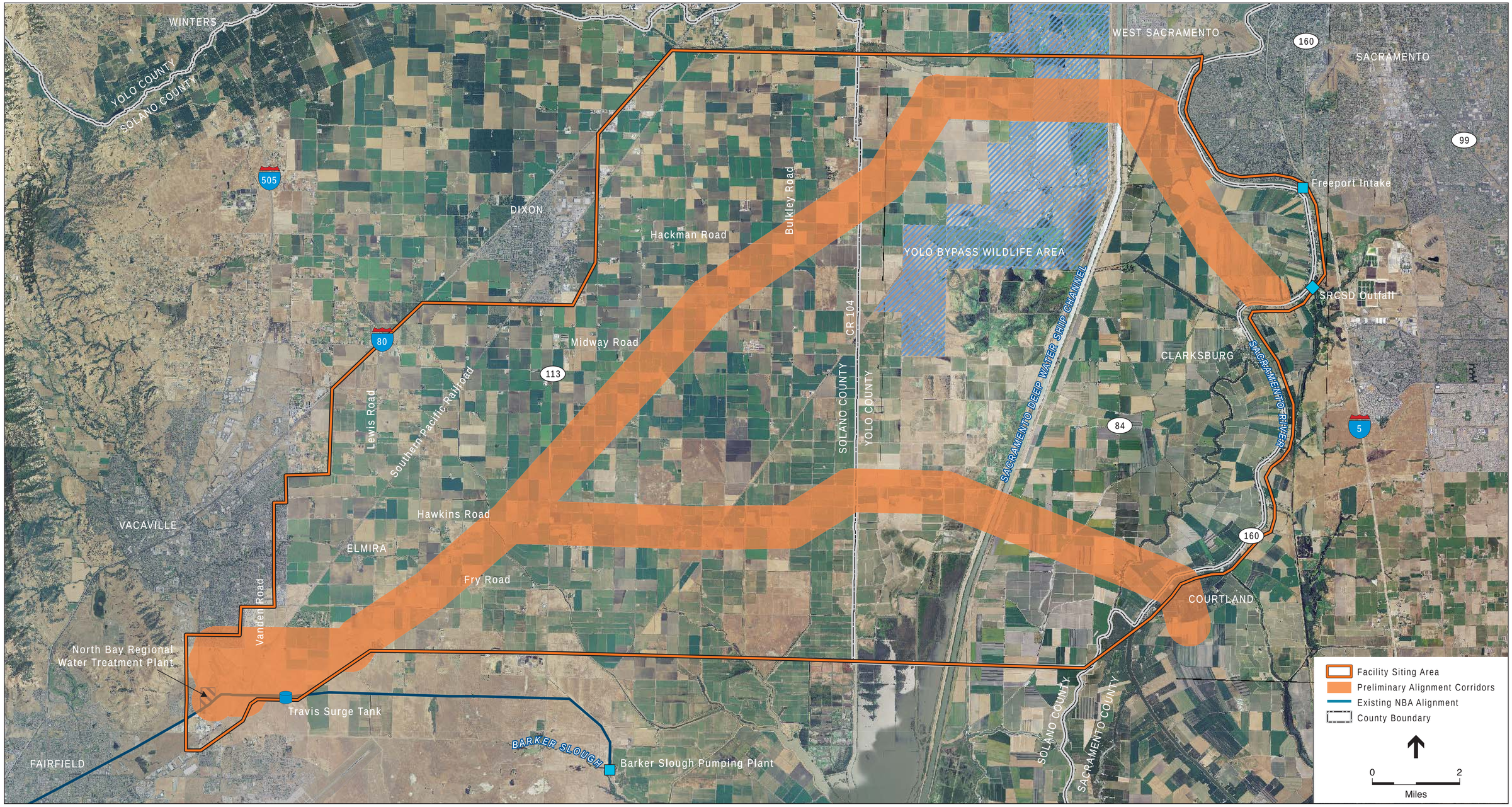
PRELIMINARY ALIGNMENT CORRIDORS



GEOTECHNICAL EXPLORATION AND LAND SURVEYS

Geotechnical Exploration and Field Surveys

- Geotechnical information about the physical properties of soil and/or rock underlying or adjacent to a study site is used for determining the feasibility of options for a project
- Field surveys are performed to provide base map locations of the drill holes for geotechnical exploration
- Field surveys also provide land controls used in the development of topographic maps

Subsurface Exploration Methods

Borings

- Auger Drilling
  - Uses hollow stem augers
  - Auger carries cuttings to the surface and the hollow stems allow for testing and sample recovery
- Rotary Drilling
  - Uses drilling fluid (water or water with bentonite) to carry drill cuttings to the surface
  - Testing and sampling performed through the drill rod
- Cone penetration tests (CPT)
  - Cone at the end of a series of rods that measures tip resistance and sleeve friction
  - Provides fast continuous profiling of the soil

Test pits

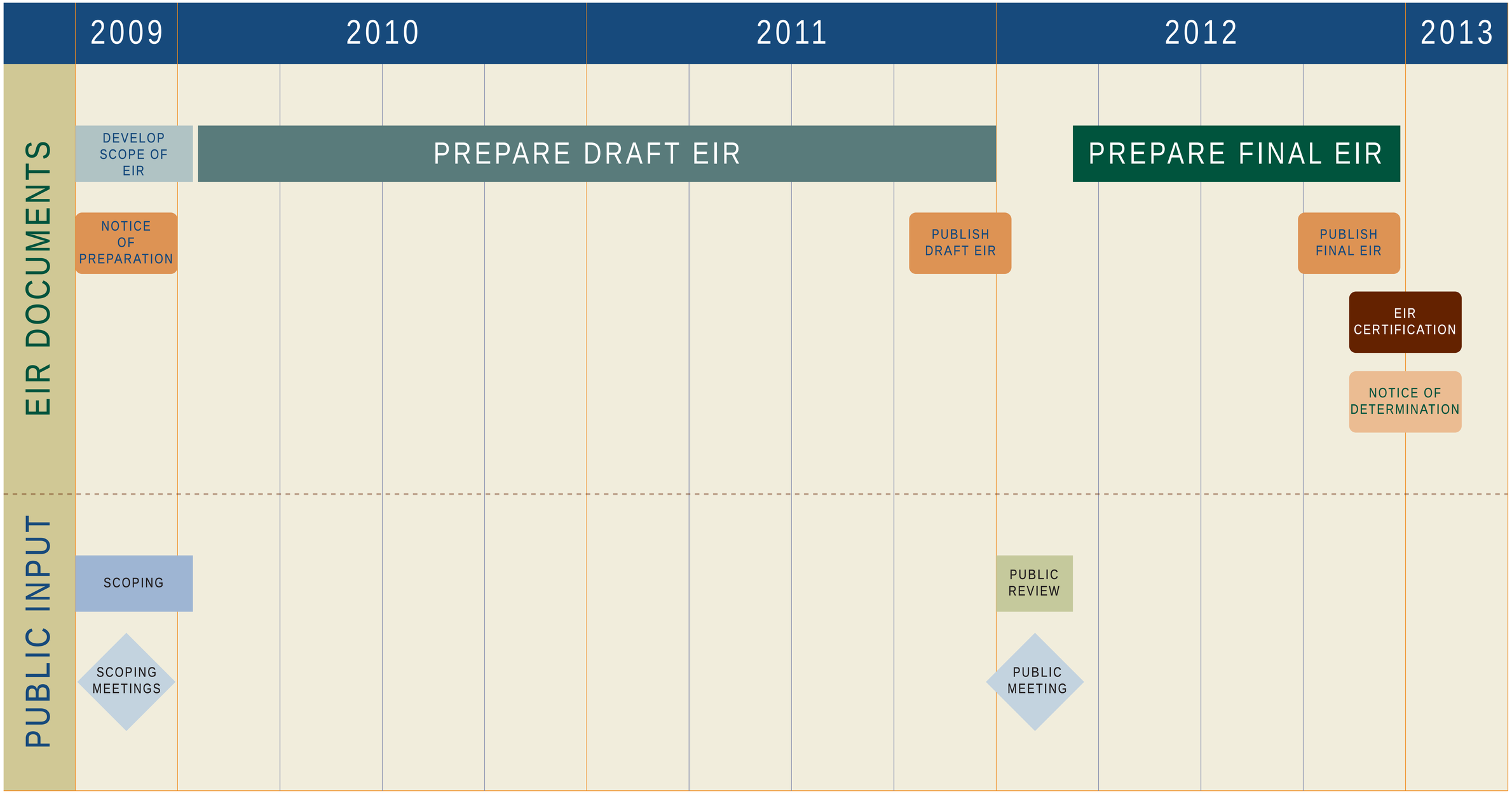
- Performed using a backhoe or excavator

PURPOSE OF THE ENVIRONMENTAL IMPACT REPORT

- Fulfill the requirements of the California Environmental Quality Act (CEQA)
- Describe the proposed project, evaluate its environmental impacts, and identify feasible mitigation measures
- Evaluate a reasonable range of alternatives that reduces or eliminates potentially significant impacts of the proposed project
- Facilitate public comment on the scope and adequacy of the environmental analysis
- Inform decision-makers when considering future regulatory actions or approvals

NORTH BAY AQUEDUCT
ALTERNATE INTAKE PROJECT

EIR PROCESS AND SCHEDULE



Project Web Site – URL.COM

ENVIRONMENTAL AND CULTURAL RESOURCES STUDIES

Environmental and cultural resources studies are necessary to support the evaluation of the proposed project and project alternatives in the North Bay Aqueduct Alternate Intake Project Environmental Impact Report

Studies and Assessments

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

TEMPORARY ENTRY PERMITS

Why we may need to access your property

- To collect data to fill in information gaps and evaluate potential project impacts
- To help refine the most appropriate facility placement

What is a Temporary Entry Permit?

It is a written agreement between the State of California Department of Water Resources and the landowner to allow Department employees and contractors to access the property with all necessary equipment for the purpose of gathering information and conducting surveys needed to assess project impacts on the environment and local communities.

The Temporary Entry Permit provides protection to the landowner from liability that may be incurred due to access by the Department of Water Resources or its contractors.

What information will be included in the Temporary Entry Permit request?

- Dates activities will occur (survey timeframe)
- Duration of activities
- Number of site visits
- Days and hours of site visits
- Personnel and equipment involved
- Contact person

Next steps in the process

- Send selected landowners a letter with the Temporary Entry Permit attached
- Schedule individual meetings with each selected landowner to answer any questions they may have