

December 6, 2019

Delta Conveyance Design and Construction
Authority Stakeholder Engagement Committee
Members

Subject: ***Materials for the December 11, 2019, Regular Committee Meeting***

Members of the Stakeholder Engagement Committee:

The second regular meeting of the Delta Conveyance Design and Construction Authority (DCA) Stakeholder Engagement Committee is scheduled for **Wednesday, December 11, 2019 at 3:00 p.m.** at the **Belle Vie Vineyard, 19900 Sherman Island Cross Rd, Rio Vista, CA 94571.**

Enclosed are the materials for the committee meeting in a PDF file, which has been bookmarked for your convenience.

- **Meeting Agenda**
- **Meeting Minutes**- November 13, 2019 Regular SEC Meeting
- **Item 4b Memo**- Discussion of Individual SEC Member Participation in DWR CEQA Process

When you arrive at the meeting, please note that DCA will provide each member with printed copies of the above documents as well as any other handouts that may help facilitate meeting discussion.

Regards,



Sarah Palmer, DCA Board Member
Stakeholder Engagement Committee Chair



Barbara Keegan, DCA Board Member
Stakeholder Engagement Committee Co-Chair



**DELTA CONVEYANCE DESIGN AND CONSTRUCTION AUTHORITY
STAKEHOLDER ENGAGEMENT COMMITTEE MEETING**

REGULAR MEETING

Wednesday, December 11, 2019

3:00 p.m. – 6:00 p.m.

BELLE VIE VINEYARD

19900 Sherman Island Cross Rd., Rio Vista, CA 94571

AGENDA

Thank you for joining us today. The purpose of the Stakeholder Engagement Committee is to create a forum for Delta stakeholders to provide input and feedback on technical/engineering issues related to the DCA's current activities. Please note, this Committee and its meetings are **not** part of any California Environmental Quality Act process related to a potential Delta Conveyance project. All items are information only. Members of the public may speak regarding items on the agenda when recognized by the Chair. Speakers are limited to three minutes each; however, the Chair may limit this time when reasonable based on the circumstances. Persons wishing to speak are requested to complete speaker cards.

1. CALL TO ORDER / ROLL CALL

2. WELCOME & REMINDERS

3. MINUTES REVIEW: November 13, 2019 Regular SEC Meeting

4. DISCUSSION ITEMS/PRESENTATIONS

- a. DWR: Review CEQA Process
- b. DCA Concept Engineering Directive / Stakeholder Engagement Committee Role
- c. Delta Conveyance System Overview, Introduction to Individual Features, and Introduction to Facility Siting Drivers

5. SEC MEMBER ROUNDTABLE

6. PUBLIC COMMENT

This is the time and place for members of the public to address the Committee on matters that are within the Committee's jurisdiction but that are not on the agenda. Speakers are limited to three minutes each; however, the Chair may limit this time when reasonable based on the circumstances. Persons wishing to speak are requested to complete speaker cards. As these items have not been agendized, the Committee is not legally able to discuss these items at this meeting unless a recognized exception applies.

7. FUTURE AGENDA ITEMS

8. ADJOURNMENT

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Next scheduled Stakeholder Engagement Committee Meeting: January 8, 2020 at 3:00 p.m., location TBD

NOTE: Please check the dcdca.org website for news and updates, it is anticipated that the proposed NOP will be issued in the coming weeks and materials will be posted accordingly.

Assistance will be provided to those requiring accommodations for disabilities in compliance with the Americans with Disabilities Act of 1990. Interested person must request the accommodation at least two working days in advance of the meeting by contacting the Design and Construction Authority support staff at (916) 347-0486 or info@dcdca.org.



STAKEHOLDER ENGAGEMENT COMMITTEE (SEC)

Memo

Contact: Valerie Martinez, SEC Facilitator

Date: December 11, 2019 SEC Meeting

Item No. 3

Subject: Meeting Minutes

The meeting minutes from SEC Meeting 1 (November 13, 2019) are attached for your review. Please send any edits to hannahflanagan@dcdca.org by **noon Tuesday, December 10, 2019**. Since the SEC is not a voting group, this process will facilitate the review process and allow us to efficiently address the minutes at the meeting.

STAKEHOLDER ENGAGEMENT COMMITTEE

MINUTES

REGULAR MEETING

Wednesday, November 13, 2019**3:00 PM**

(Paragraph numbers coincide with agenda item numbers)

1. CALL TO ORDER

The regular meeting of the Delta Conveyance Design and Construction Authority (DCA) Stakeholder Engagement Committee (SEC) was called to order in the Delta Diamond, 15175 CA-160, Isleton, CA 95641 at 3:04 p.m.

Ms. Barbara Keegan, SEC Co-Chair, opened the meeting with a welcome and explanation of the committee's purpose and scope. Ms. Keegan explained that public comment would be taken on agenda items as well as non-agenda items later in the meeting with a three-minute time limit. Members of the public who wished to speak were asked to please complete a speaker card and provide it to the SEC clerk.

2. ROLL CALL

Committee members in attendance were Angelica Whaley, Anna Swenson, Barbara Barrigan-Parrilla, Cecille Giacomini, David Gloski, Douglas Hsia, Isabella Gonzalez-Potter, Jim Wallace, James Cox, Jesus Tarango (alternate), Karen Mann, Lindsey Liebig, Malissa Tayaba, Dr. Mel Lytle, Paul Ernest Clausen, Phillip Merlo and Sean Wirth constituting a quorum of the Board. Ex-officio members Gilbert Cosio and Michael Moran were also present.

DCA Board Members in attendance were Director Sarah Palmer (Chair), Director Barbara Keegan (Vice Chair) and Director Tony Estremera. In addition, DCA and DWR staff members in attendance were Kathryn Mallon, Valerie Martinez, Joshua Nelson and Carrie Buckman.

3. WELCOME/INTRODUCTIONS

Ms. Keegan thanked members for their attendance and our gracious host for the meeting space, welcomed the public and reviewed housekeeping items regarding committee member sign-in, paperwork, lavatories, as well as committee purpose and description. Ms. Keegan clarified that the SEC is not part of the CEQA or environmental stakeholder engagement process and that the merits of the projects would not be discussed. Rather, this committee will help provide specific feedback to the DCA to help inform their engineering design documents. Further, this committee is an advisory body subject to laws governing local agencies such as the Brown Act. The meeting would be video recorded and available on the DCA website. Ms. Keegan introduced Director Tony Estremera, DCA Board President, to provide a welcome to the committee.

Mr. Estremera welcomed SEC members and expressed his gratitude for their participation. He acknowledged that this first meeting would be an orientation and overview, but as the meetings progress, the committee will be discussing details that can help inform the DCA's engineering documents that are submitted to DWR for their environmental review of a potential Delta Conveyance project. Mr. Estremera emphasized Delta as Place, with support for the people, homes and businesses, as well as a place filled with human history and cultural richness. Mr. Estremera explained this process is a place for the diverse voices of the community to be heard regarding their local knowledge and the deep understanding of their community. The DCA will work with the community to develop an optimal project, optimal construction plan and optimal outcome. Mr. Estremera further noted that he is aware that there are opposers of this project that will possibly never be behind a conveyance project, however felt the importance these voices be included in this process as well. In regards to the scope of the committee, this is not a venue to argue the project's merits, this issue will be addressed through DWR's CEQA process. What can be discussed is the specifics about roads, landmarks and facilities while minimizing community effects. The DCA inspires to build this project with people in mind. In order to get more specificity and detail for this project we turn to committee members' experience, creativity and patience. In addition, we ask that the committee work with the engineering team to reflect the most community input possible in our documents. DCA staff and engineers are here to assist members in their efforts to represent their respective communities.

Ms. Keegan indicated she would take a few moments for introductions. She summarized her experience as being a director for the Santa Clara Water District as well as a civil engineer. Ms. Keegan has a long-time connection to the Delta through family and recreation. She then asked the committee members to introduce themselves, briefly describe their connection to the Delta and indicate why they wanted to be a part of this committee.

Jim Wallace said he is a Courtland resident and is the chair of Delta Legacy Communities. Mr. Wallace has a long family history and environmental consulting experience in the Delta who wants to be a part of the engagement process.

Gilbert Cosio with MBK engineers represents clients in about 40% of the Delta and brings a lot of on-the-ground experience to contribute to DCA.

Cecille Giacoma from Sherman Island is representing communities on the Delta's south end as well as public safety interests. She explained her first loyalty is to natural history and heritage as well as protecting the species found in the Delta.

Douglas Hsia is Secretary of the Locke History Foundation, an organization to preserve and educate the cultural heritage of Locke. He lives on Grand Island and is interested in serving on the SEC to find ways to mitigate project effects and make it livable for the community.

Barbara Barrigan-Parrilla with Restore the Delta is here to represent environmental justice communities throughout the Delta in regards to impacts to the urban Delta and wants to ask hard questions to get answers to vital community questions.

James Cox is a long-time Delta resident and retired charter boat captain involved in recreational fishing and boating who is interested in making the project fish friendly.

Isabella Gonzalez-Potter is a policy associate with The Nature Conservancy and is also studying water and environmental management as a graduate student. She is on the committee to ensure restoration and preservation of the Delta habitat for protected species.

David Gloski is a Delta resident and engineer with fluid flow experience who wants to represent locals and ensure protection for homeowners.

Anna Swenson with North Delta Cares wants to ensure community members are represented and her main goal is to ensure information from SEC meetings are passed on to Delta stakeholders and vice versa.

Karen Mann is a land and real estate appraiser in the Delta, an avid angler, President of Save the California Delta Alliance and is currently raising four of her grandchildren in and around the Delta. She wants to make sure residents are included in this process, understand what is going on and can participate in making a difference in the project.

Malissa Tayaba is a tribal representative who wants to ensure it is known that tribes still use the river for traditional purposes and that the plants, animals, etc. of the river are important to tribes. Her biggest goal is to serve as a liaison between the SEC and tribal people throughout the Delta.

Michael Moran is the supervising naturalist with the Big Break Recreational Visitor Center with the East Bay Regional Park District whose charge is to connect people to the Delta. Mr. Moran has a strong desire for an empathetic connection of folks to the Delta and wants to ask questions from multiple perspectives and is aiming for informed Delta decisions.

Lindsey Liebig is the Executive Director of the Sacramento Farm Bureau representing farmers and ranchers of the Delta and their voices. Ms. Liebig wants to ensure resources are protected and have agricultural interests maintained.

Sean Wirth is the Conservation Chair of the Mother Lode chapter of the Sierra Club. Mr. Wirth is also a founding member of Save the Sandhill Cranes Habitat and wants to improve protections for terrestrial species in the Delta.

Phillip Merlo is the Director of Education at the San Joaquin County Historical Museum. He has a long family history in the Delta and is here to represent San Joaquin county's urban, rural, and farming communities.

Dr. Mel Lytle is representing the City of Stockton on behalf of the City Manager Office. Dr. Lytle is the Assistant Director of the Municipal Utilities Department and has been involved in flood control issues, is a former Delta farmer and an avid sport fishing enthusiast. He is interested in ensuring water quality and supply. In addition, Dr. Lytle is the City representative on San Joaquin Area Flood Control Agency (SJAFC).

Paul Clausen is the Vice President of a recreational boaters' organization and is interested in water quality, navigable water ways, tidal flows, salinity intrusion and ecology of the Delta as a whole. Mr. Clausen is also the delegate of the PICIA.

Angelica Whaley was born and raised on Sutter Island and now owns a successful wedding venue in Hood. Ms. Whaley is representing Delta businesses and wants to be a voice of the next generation of Delta residents.

Jesus Taranga is an alternate member representing Wilton Rancheria as their Vice Chairman. He wants to be a bridge between the SEC and tribal entities and bring transparency to the process by taking information from the committee to his community and bring the community's concerns to the committee.

Ms. Keegan introduced Mr. Estremera and explained he is the Board member who has pushed to make this SEC possible.

Mr. Estremera highlighted his years of experience with public water agencies and pointed to his interest in stakeholder engagement due to his upbringing in an urban environment where infrastructure projects often affected his community without community member input. Mr. Estremera reiterated that committee members each have something to contribute and he wanted to ensure that this project involves the community unlike the experiences he had growing up. Mr. Estremera noted that the DCA board fully supported the formation of this committee and is awaiting SEC recommendations. He thanked members for their involvement and participation.

Ms. Keegan introduced each staff member and their role. Ms. Keegan then asked Ms. Mallon, DCA Executive Director, to explain her background and approach to projects.

Ms. Mallon discussed her extensive engineering experience with underground water conveyance tunnels in New York and with other large-scale engineering and infrastructure projects. Ms. Mallon worked in California 30 years ago when a peripheral canal was proposed and explained how everyone across the country has been tracking this California water conveyance project that for decades. Ms. Mallon stated her approach to projects is making sure public infrastructure's emphasis is on the public. Ms. Mallon noted that the project is for the people of California and needs to reflect their voices, and she is excited about presenting ideas and hearing members' insight on how to optimize the project in terms of effects and siting of facilities. Ms. Mallon thanked SEC members for their leap of faith in working with the DCA.

4. DISCUSSION ITEMS/PRESENTATIONS

a. Committee Overview and Purpose

Ms. Valerie Martinez, Meeting Facilitator, provided an overview of the committee and its purpose. She highlighted the meeting schedule, frequency and duration. There is one meeting planned for December and may be 3 hours long. The timeframe to keep open on calendars is 3-6pm on the second and fourth Wednesday of the month starting in January. Ms. Martinez indicated there is a roadmap of what will be discussed in meetings between now and April because there are documents due. Ms. Martinez further explained that the SEC is a team effort between engineering staff and Delta stakeholders, and that meetings will be goal-oriented. A rough outline was provided of the meeting topics planned for discussion at the December and January meetings such as system and siting overviews as well as the review of the NOP when it gets released. It was clarified that each meeting will also contain a roundtable portion for committee members to bring forward the concerns, questions and/or input they've received from their respective organizations and communities. Ms. Martinez said that this is an

opportunity to learn and grow together. The DCA will work with the committee members to adjust and modify the process as necessary moving forward.

Ms. Keegan asked if there were any clarifications needed from committee members.

Mr. Wallace asked what documents are due in April. Ms. Martinez indicated Ms. Mallon would be explaining the schedule in more detail during the next portion of this meeting.

Ms. Barrigan-Parilla expressed concern that the time between materials posting and the meeting is not enough time to talk to others in the community. Ms. Martinez indicated DCA will make every effort possible to provide materials as soon as they are available.

Mr. Gloski asked if committee members could get the information on what is planned to be discussed at the meetings so members can be better prepared. Ms. Martinez said the DCA will develop a “roadmap” schedule for members of what is planned for each meeting through April so they have an idea ahead of time the rough outline of meeting topics, with the understanding it is subject to change.

Ms. Mann noted the meetings are being filmed and asked if it was possible to live cast meetings on Cal-SPAN and indicated it is a free service. Ms. Martinez said she is not familiar with how it works but we can look into possibilities. The video will be available on the website.

Mr. Wirth asked if an alternate could attend in his place because there is at least one meeting he will not be able to make. Ms. Martinez indicated there are some considerations that have to be taken into account in determining if that is possible. Ms. Keegan asked Mr. Josh Nelson, DCA attorney, to respond. Mr. Nelson explained that the committee was formed by the DCA Board and only one alternate was appointed to represent tribal governments and adding additional alternates is not within the scope of the committee. Committee members therefore do not have the ability to appoint alternates. He also indicated that alternates would increase the administrative complexity of the SEC for reasons to be explained in the Brown Act training.

Ms. Keegan suggested that perhaps a future meeting could discuss alternates and other ways to ease communications issues since it wasn't possible to address them all at this first meeting.

Ms. Keegan summarized the committee's concerns. She acknowledged the interest in having a roadmap to the extent possible so meeting topics are known ahead of time.

Ms. Sarah Palmer, SEC Chairperson, arrived, thanked Ms. Keegan for presiding over the meeting in her absence and explained she missed the first part of the meeting because she was attending her son-in-law's citizenship ceremony. Ms. Palmer gave an overview of her experience with the Delta and in public water agencies. She expressed the importance of listening to one another and reiterated that community input makes for a better project. Ms. Palmer emphasized her desire to listen to ideas from the committee members and hopes that although this may not be the outcome that everyone wants, this process will ensure Delta stakeholder input is reflected.

Ms. Martinez reiterated the committee's purpose is to ensure stakeholders are informing the engineering and design efforts of DCA. She explained the SEC has three basic purposes: it provides a forum for Delta stakeholders to provide input and feedback on technical/engineering

issues related to the DCA's current activities; provides an opportunity to identify engineering and design considerations that would avoid, reduce or offset effects from constructions and facility siting; and, importantly, committee members can relay information between their respective groups and the Stakeholder Engagement Committee. Ms. Martinez repeated that these meetings are not part of the CEQA process, not about the project benefits or deficits, but rather they are for members to provide information and expertise to the engineering team that would not otherwise be known.

Ms. Martinez reviewed general guidelines for the committee, explained how meetings would be conducted and described how SEC report-outs would be developed. Ms. Martinez explained the importance of working as a team. It was noted that the meetings will operate in the public sphere and will be subject to the Brown Act. Ms. Martinez indicated that the SEC is about the interests of the local community as well as the greater good and the wider region and state. Ms. Martinez would like to ensure that the process moves forward with compromise and cooperation and to participate in open communication. Ms. Martinez emphasized the importance of being efficient and encouraged committee members to self-monitor the amount of time they are speaking in order to give time for everyone to offer their feedback. Any terms or concepts that need clarification should be brought up in meetings as this is a good source for information and will help provide a true understanding of the project.

Ms. Martinez explained that meetings will be conducted according to the Brown Act, which the attorney will discuss in more detail later in the meeting. The Brown Act helps with transparency but sometimes not with nimbleness. There are requirements for how meetings are noticed, what can be discussed outside of meetings and other considerations that will be explained by the attorney in the Brown Act orientation portion of the meeting. Ms. Martinez explained that information in the meeting is not binding and that we will be listening to all thoughts. It is clarified that these meetings have no voting authority meaning that these meetings are based on consensus but all thoughts will be received, captured, and reported back to the Board.

Ms. Martinez also explained that a summary of meeting highlights will be distributed on Fridays following SEC meetings. It will capture highlights, committee recommendations, consensus as well as dissenting views and next steps. These report-outs will help members move information out from this committee to the public.

Ms. Swenson asked if there would also be meeting minutes and when they would be available for review. Ms. Martinez confirmed minutes would be generated and included in the materials for the next meeting and then posted on the website when finalized.

Ms. Palmer asked if committee members could indicate if they felt something was missing from the highlights summary document. Ms. Martinez indicated their input is welcome, but please keep in mind it is meant to be a brief summary of highlights and not a detailed document.

Ms. Martinez reminded committee members that we are a team and that staff is there as a resource for them if they need help generating lists of their community members or finding avenues to reach out to their respective interest groups.

b. Roles & Responsibilities: DCA and DWR

Ms. Martinez indicated the relationship between DWR and DCA will be described and reiterated staff is here as resources to help SEC members function in their capacity. She introduced Carrie Buckman, DWR Environmental Manager, to give further information.

Ms. Buckman gave a presentation regarding the DWR's roles and responsibilities. She introduced herself and explained her position is to move the project through all the environmental processes and permitting such as CEQA, the Federal Environmental Endangered Species Act and the California Endangered Species Act. Ms. Buckman gave background about the project's reset from Governor Newsom in February 2019 where it was decided this would be a new project that builds on previous information. At this point, DWR withdrew from all California Water Fix environmental documentation including withdrawing CEQA approvals and the NOP as well as all of the permits. Ms. Buckman explained that the DWR is operating under authority of the California Natural Resources Agency and is leading the environmental planning effort and coordinating with state and federal agencies. In addition, DWR is responsible for stakeholder and public outreach and reporting of progress to the legislature as well as managing the schedule and budget of the project.

Ms. Buckman explained that DWR directs and oversees the work of DCA, while DCA conducts the engineering and design work, identifies design strategies that avoid or minimize impacts, and assists with conducting public outreach, public participation and stakeholder engagement activities. Ms. Buckman highlighted the role of the Public Water Agencies which is for them to provide technical expertise to DWR and the DCA and ensure that the planning and project development meet the financial, policy, and long-term planning needs of their retailers, member agencies and rate payers. Ms. Buckman emphasized that the DCA's role with this committee is to access design related issues of the project while DWR is analyzing an entire suite of environmental concerns. She explained that the Notice of Preparation (NOP) starts the California Environmental Quality Act (CEQA) process, noting the intent to develop an Environmental Impact Report (EIR). Release of the NOP will be followed by scoping where DWR is seeking information regarding the scope of the environmental analysis and the alternatives. Ms. Buckman explained that the NOP will include a description of the proposed project, the proposed project objectives, proposed project area and proposed project facilities. Right now, DWR is aiming for release of the NOP in early to mid-December. The DCA can begin engineering work on the proposed project that will be described in the NOP release. DWR is working toward having a draft EIR in late 2020 that will be out for public review for approximately 3 months. A final EIR is anticipated for early to mid-2021 that will result in a Notice of Determination (NOD) of early to mid-2022.

Ms. Buckman indicated DWR is concurrently working on the process to comply with the Federal Endangered Species Act and the California Endangered Species Act that will result in a biological opinion around the end of 2021 and an incidental take permit around the same time as the NOD.

Ms. Buckman shared that a draft Initial Study Mitigated Negative Declaration for soil analysis throughout the Delta would be released for public review on November 20 and the public comment period will end on December 20. She explained it is a separate process from the Delta Conveyance project and the information obtained will inform several projects throughout the Delta.

Ms. Swenson provided feedback that the holiday season is not a good time for public review comment periods and suggested the comment period be extended or that the draft be released in January.

Ms. Palmer noted the concern is important.

Ms. Buckman reiterated that the CEQA process is separate and distinct from this committee and what will be discussed in this committee are drivers of effects and ways to reduce them. Ms. Buckman noted that she will attend SEC meetings as a resource but doesn't want to confuse members being that the SEC is not a forum for CEQA-related concerns. Committee members were encouraged to provide their input on the environmental documents through CEQA, just not in this SEC forum.

Ms. Palmer expressed that Ms. Buckman is an important resource during these meetings and might be able to help us to understand how to stay in our lane.

Ms. Barrigan-Parrilla asked about the soil investigations and raised a concern about water quality issues related to construction and wants to be able to understand how that will be managed.

Ms. Buckman clarified that the soil analysis doesn't really relate to the larger picture of dredge and soil management. Rather, these soil tests involve drilling a hole that is 4-6 inch in diameter at various elevations and taking those samples to a lab for analysis. The soil investigation also includes cone penetration tests where a cone is placed in the ground but nothing comes out. Geotechnical results from those investigations will be used for a variety of purposes.

Ms. Buckman explained how the SEC's input would specifically assist DWR in considering construction effects in regards to logistics, roadways, transportation, noise, air quality and dual benefit facilities. Contact information for DWR was provided.

Ms. Mallon responded to earlier discussion and clarified that the project is not a forgone conclusion and that the effort here is to ensure Delta voices are reflected in the engineering documents that go to DWR for their CEQA document. Ms. Mallon then gave a presentation on who the DCA is which is an organization formed by the Joint Powers Agreement (JPA) between participating Public Water Agencies for the purpose of the design and construction of the Delta Water Conveyance Project. The Joint Exercise of Powers Agreement (JEPA) is the document that outlines the services that the DCA provide to DWR in support of their environmental process. Ms. Mallon explained that the DCA takes direction from DWR and is subject to DWR oversight. Both DWR and DCA work collaboratively together and want to help ensure design of the project reflects community engagement. Ms. Mallon reviewed a DCA organization chart and indicated that Tony Meyer, Executive Director of DCO leads oversight of DCA.

Ms. Mallon explained the DCA's key functions which are to provide engineering work to inform DWR's environmental process, assist with stakeholder support, produce presentations surrounding technical work and provide general management such as risk-management, cost, schedule and project management. She emphasized that the DCA is trying to identify potential engineering and design strategies to avoid and/or minimize construction effects in the Delta, and that is a responsibility that every DCA engineer takes seriously.

Ms. Mallon reviewed DCA's workplan, recapping the data collection efforts that have already taken place. Ms. Mallon indicated layouts and locations for facilities will be based on the NOP's project description. In April, according to DWR's projected schedule, DWR wants to start analysis of engineering work, therefore the task between now and April is to get input from the committee that will inform that engineering work. Final concept engineering is due in fall of 2020 and SEC will meet throughout the process. Meetings are scheduled for twice a month until April due to the amount of information to get through, but after that time the goal is to move to only one meeting per month.

In terms of collaboration, Ms. Mallon reiterated that in this planning phase, discussions are limited to DCA's role on the project and the committee's work will inform the engineering document that goes into DWR's analysis for the EIR. She repeated that neither the DCA nor this SEC will review or decide the case for the proposed project, the alternatives to be evaluated in the environmental documentation process, the flow and operating parameters of the proposed project and alternatives, or the assessment of the environmental impacts under the CEQA process.

Ms. Mallon repeated that the SEC will really focus on construction effects of the facilities, and mostly the traffic, noise and air quality. While the other effects will be studied by DWR, these particular effects are the ones most likely to affect Delta stakeholders and where SEC member input will be particularly helpful. Ms. Mallon explained that the committee can also be helpful on providing input when there are particular considerations such as how much room a piece of equipment needs to move around. Additionally, in regards to construction effects, for example, the committee could provide input where there is flexibility for selecting a site for a particular facility. Ms. Mallon further explained the committee could help identify opportunities for dual benefits, for example a basin that could have a nice walking trail or viewing deck.

Ms. Mallon expressed the goal for December's SEC meeting is to distribute booklets to committee members explaining components (pumps, forebays, shafts, etc.) and providing maps that include the factors that are considered when selecting sites for certain project facilities. The goal is to provide renderings rather than drawings and give people an idea of how much space the components will occupy. Additionally, an idea of construction duration and the main highlights of what it will entail will be provided. As soon as possible, the DCA will also provide animations to help members understand how the system works. The maps will provide committee members with the information engineers have in regards to transportation corridors, gas & oil wells that determine where facilities can be located along the routes. Once there is an understanding of what each facility is, we can begin discussing optimization. Ms. Mallon repeated it is all about transparency and making sure SEC members have access to the information that engineers have to keep in mind when selecting locations for facilities.

Mr. Wallace asked if there was a certain engineering completion percentage goal for the engineering team to provide to DWR for preparation of the EIR. Ms. Buckman explained that the aim is to acquire more information about logistics and details than is typically included in an EIR, such as how things will get to the sites during construction. Ms. Palmer said that as we do proposals and mapping, SEC members have insight to contribute to that process. Ms. Mallon further explained what we want to put into this document is information that clearly conveys to the public the design and how we will build it. It isn't about a percentage as much as it is about a purpose of clarity in order for the public to be able to comment on the EIR in a thoughtful way.

Ms. Mallon reiterated we want to be thoughtful about the construction nodes and how we lay out these sites.

Ms. Swenson asked where is the discussion about water quality during construction and how construction would be managed in relationship to that. Ms. Buckman indicated that some of that discussion would be coming later as we go through the environmental analysis meaning those topics would not be discussed through the SEC process.

Ms. Barrigan-Parrilla asked for clarifications as to what is meant by logistics. Ms. Mallon explained that logistics mean how we get goods and materials around the Delta.

Mr. Hsia asked if the prior studies performed from the prior project are still available and if they would be used for the new project. Ms. Buckman clarified that as this project's reset is proceeding, they are evaluating what data can still be used so that DWR is mindful of taxpayer resources. They are making determinations as to what analysis will have to be redone and what, if any, data is still applicable to the new project as it is developed.

Ms. Mann asked what was meant by "transportation" because there are roads, bridges, waterways, etc. and how those elements would all coordinate. Ms. Mann also mentioned the recreational boaters with expensive yachts who utilize the waterways. Ms. Mallon agreed that's one of the reasons it was important to have recreational boaters on this committee. While barging is a way to move goods and materials around to alleviate pressure on roadways, DCA would like to hear from the committee about some of the specifics regarding barge landing locations in consideration of recreational uses, seasonal restrictions, flooding issues, and so forth. Ms. Mallon explained that these are all things the engineers are already studying but would like to present to the committee for their input, as well.

Ms. Mann also asked about the amount of time staff has spent in the Delta and wanted to ensure it was clear that Delta stakeholders care not just about Discovery Bay or other popular locations but the entire 1,100 miles of Delta waterways. Ms. Mallon reiterated that this is why this committee was formed and why we have asked this group to provide their voices. SEC members can help ensure DCA has an expansive view of engineering work.

Ms. Swenson expressed the desire to see domestic well water quality issues studied sooner rather than later because safe drinking water and flood concerns are critical issues to residents throughout the Delta. Ms. Buckman clarified that her earlier comments about addressing water quality "later" were intended to mean that water quality is a DWR and not a DCA responsibility. Ms. Mallon added that as the committee work progresses and DCA shows members how facilities will be constructed, it will be very clear what the intent is and what will be involved so that members can provide feedback.

Mr. Wirth asked what the project actually is and when the project description will be solidified. It was suggested that if the committee members are to provide input, there needs to be an actual project, not a whole series of possible projects which may be the project that is selected. Mr. Wallace expressed the opinion that State Water Contractors formed the DCA as a JPA because they did not trust DWR to build the project correctly so now the DCA is having to make up for several years of mistakes.

Ms. Barrigan-Parrilla asked when it would be known whether or not it would be considered a federal project and whether that would be known before the NOP is released. Ms. Buckman said neither is yet known.

Mr. Merlo asked for clarification as to whether or not this committee would be an appropriate place to discuss possible effects on historic sites and/or if the members of this committee could provide input on where to place facilities so as to avoid historic sites. Ms. Palmer said these are the types of things we are looking for members to discuss. Ms. Buckman agreed and clarified that this committee is not going to address what the impacts are on historic sites but could absolutely give input on avoiding or minimizing potential effects through engineering and design. Ms. Mallon said the way she thinks about it is this committee helps “engineer out the effects.”

Ms. Palmer opened public comment, indicating two members of the public had submitted speaker cards.

Ms. Deirdre Des Jardins, California Water Research, referenced the DWR presentation that said discussions during the SEC are intended to provide recommendations to the DCA Board of Directors, but the September 19, 2019 resolution creating the SEC states that “no formal input, opinions or recommendations shall be provided by the committee without the request of the Board, Executive Director or DWR.” Ms. Des Jardins expressed it is confusing and would like clarification as to whether SEC discussions are formal or informal.

Mr. David Sterling asked at what point will there be public hearings before the State Water Resources Control Board and the Delta Stewardship Council, and will there be hearings. Ms. Buckman referenced her earlier presentation that indicated the schedule right now is showing the end of 2021 and into 2022. Mr. Sterling asked if that will be after the EIR has been prepared, and Ms. Buckman said it will be a little bit concurrent but mostly after.

Ms. Martinez offered an opportunity to take a short break, being mindful the meeting was about 15 minutes behind schedule.

The committee recessed for a 5-minute break.

As the committee reconvened, Ms. Buckman addressed the earlier comment about the public comment period regarding the soil analysis. She explained the public comment period was set in consideration to minimizing overlap with the projected scoping meeting schedule anticipated for the release of the project NOP. Ms. Buckman asked if there is a preference for a longer comment period even though there would be a longer overlap with the project scoping period, or if members would rather have the 30-day period with a minimized overlap.

Mr. Wallace asked when the scoping period is, and Ms. Buckman indicated that it would follow release of the NOP, which will hopefully be released in early to mid-December. The scoping period would extend into February. The idea was to make the public comment period on the soil analysis document end before the holidays, but she is open to hearing the committee’s preferences.

Ms. Swenson expressed that the holidays are a time of rest and spending time with family and she therefore requests that DWR extend the comment period into January to give the public

more time to provide comment. Ms. Liebig expressed the preference would be an extension of the comment period, even if that means an overlap with the scoping period for the project. Ms. Buckman explained that the notices has already been sent to the printer, so notices that members receive will still have the December 20 date. However, the period could still be extended.

Ms. Martinez noted that making a decision about extension may not be possible in this committee as it might require input from DWR. Ms. Buckman agreed and noted she has heard the concerns and will take them back to DWR for consideration.

c. Ralph M. Brown Act & Public Records Act (PRA) Training

Ms. Martinez introduced Josh Nelson, DCA Interim General Counsel, to provide the committee an orientation regarding the Brown Act and Public Records Act. *(Please see the SEC member meeting packet at dcdca.org for all materials distributed to committee members regarding the Brown Act & PRA Training.)*

Mr. Nelson explained he is the DCA's attorney and his role includes ensuring the DCA complies with public transparency laws including the Brown Act and Public Records Act. Mr. Nelson explained this training for committee members is necessary before committee work begins because the legislature and voters have adopted these laws to ensure that all local decisions and discussions occur in public. It is important that we follow these laws.

Mr. Nelson provided an overview of what he would discuss and explained that it is not an exhaustive list of what the law entails. He acknowledged many committee members have experience with these laws through their work with public agencies. Mr. Nelson explained that this committee is subject to the Brown Act because it is a committee formed by a local agency's Board. He noted the law is very specific about who is subject to follow the Brown Act.

Mr. Nelson explained that any time a majority of committee members meet to discuss issues within their jurisdiction, the Brown Act applies. It was clarified that a majority of this committee is 10 members, and there are exceptions to what counts as a meeting. Ceremonial occasions, meetings of other legislative bodies (such as a DCA Board meeting) or individual contacts don't constitute a meeting, so long as members are not discussing committee business by themselves.

Mr. Nelson then explained serial meetings and how they are violations of the Brown Act that are important to avoid. Serial meetings referred to as a daisy chain can occur if one committee member talks to another member, who then talks to another, who then talks to another, etc. If that occurs and a majority is reached, it is a Brown Act violation. Mr. Nelson advised that if a committee member is being told by another committee member what a different committee member thinks, remind them that it is important to avoid a Brown Act violation and discourage the conversation from continuing. Another type of serial meeting is a hub-and-spoke type, when committee members talk to a 3rd party and facilitate communications between committee members. This type of serial meeting is also to be avoided because it also violates the Brown Act.

Mr. Nelson further explained that meetings can occur multiple ways, including in person, via telephone, through email, written correspondence, use of intermediaries and social networking sites such as Facebook and Twitter.

Mr. Nelson also explained how the Brown Act applies in terms of ensuring meetings are open and public. Agendas are posted 72 hours prior to regular meetings. The meeting packet is a public record once it is distributed to the SEC. The SEC can only discuss items on the agenda. Mr. Nelson also explained that an opportunity for the public to comment must be offered on agenda items as well as non-agenda items and that time limits are permissible. It was further explained that SEC members should not engage with the public during public comment. Staff can briefly respond to a question, but the public comment period is not an opportunity to engage in dialogue with the public. The time for that would be when an item is brought back for discussion and deliberation.

Mr. Nelson then provided an orientation of the Public Records Act (PRA). He noted that a record is any writing which contains information related to the SEC is a public record. It is a very broad law. Text messages, voicemails, emails, written notes, etc., are all considered records. In some instances, it can also apply to information retained only on a private account or email address. Mr. Nelson explained that even if committee members engage in committee business on their personal email accounts, it is potentially a public record. When the DCA receives a PRA request, they must generally respond within 10 days. DCA can only charge direct copying costs. Most records are disclosable, although there are exemptions for personnel records and attorney-client privileged documents.

Mr. Nelson provided best practices for committee members in consideration of the Public Records Act. It was advised that all SEC records should be assumed to be public, including all emails sent or received by SEC members regarding the SEC. Further, members are asked to use their DeltaStakeholder.org email on all SEC business. If using a personal email account, members must cc their DeltaStakeholder.org email address on all sent emails and forward copies of all received emails to their DeltaStakeholder.org email accounts. He explained this is because if a PRA request is received, DCA can access the emails on their servers rather than asking members for access to their personal accounts.

Ms. Palmer advised to never “reply all” to emails regarding SEC business. To that point, Mr. Nelson explained that when members receive an email from DCA, it will only have the recipient’s name in the “to” field as to avoid an inadvertent “reply all” by SEC members.

Mr. Nelson pointed members to the additional handouts that were provided in the meeting packets including the SEC Charter and a guideline document for avoiding serial meetings. He also pointed members to two documents available on the California Cities website regarding open and public meetings and guidelines regarding the Public Records Act.

Ms. Palmer added that when the Board doesn’t respond to public comment, it is because they are not supposed to engage the public during public comment.

Mr. Hsia asked if he posted about tonight’s meeting on Facebook, is there anything he should watch out for. Mr. Nelson answered it would only be a concern if other committee members started commenting on the post.

Mr. Gloski asked if personal notes were public records and Mr. Nelson advised you should presume that they are and will be provided to the public when asked.

Ms. Swenson asked for DCA's plan for posting agendas locally. Ms. Martinez explained the Friday before the meeting, the packet is distributed to the SEC and the agenda is posted in the DCA lobby as well as at the meeting venue and the website. Ms. Martinez also expressed there are aspirations for noticing through social media and encouraged members to augment these efforts. Ms. Swenson said the best practices in the Delta are post offices and libraries. Ms. Mallon added that Ms. Janet Barbieri maintains a list that she sends to as well. Ms. Nazli Parvizi added we also plan to advertise in local papers. A committee member noted for urban areas, meetings notices need to be in newspapers. Ms. Martinez offered that DCA will pull together a document indicating how we are noticing the meetings. Another committee member suggested providing notice to local yacht clubs. Ms. Martinez agreed and noted there is a constant effort to expand the stakeholder email list to include groups such as yacht clubs and others. In fact, some groups may already be on the list that is receiving the email notifications.

Ms. Palmer also stated sending the agenda out to various community groups is part of how the committee members can fulfill their function.

Ms. Palmer opened public comment.

Ms. Des Jardins expressed appreciation for the breadth and depth of knowledge of the Delta represented on the committee. She would like clarification about the DCA's authority in terms of appointing representatives to the committee and being able to remove committee members at will, as stated in the Board resolution.

Mr. Nelson responded to an earlier question raised as to whether or not Brown Act violations are ever enforced. He stressed violations are indeed serious and if an allegation is found to be substantiated, the plaintiff can be entitled to attorney fees which can be very substantial.

5. PUBLIC COMMENT (NON-AGENDA ITEMS)

Ms. Palmer opened public comment for non-agenda items.

Ms. Des Jardins said there should be modelling to show whether proposed intake locations would work with up to 10-ft sea level rise and also to show if there would be adequate flows past 1,000-ft long intakes at current locations. Convening this panel to review site locations is putting the cart before the horse if it has not been validated that these intakes would work.

6. FUTURE AGENDA ITEMS

Ms. Martinez announced the next meeting location has yet to be determined because we need significant amount of space and locations are subject to venue availability. Because of this, the meeting dates provided earlier could shift. The goal is to always provide information to the committee as soon as it is available.

Ms. Martinez explained the December agenda may change based on whether or not the NOP has been released by that meeting date.

Ms. Martinez also reminded members of some housekeeping items for the committee: W-9 forms, onboarding forms, sign-ins at each meeting and meeting location surveys. She reminded them an

email set-up guide has been provided to them and asked them to verify their information on the directory that will be released to the public and write in their phone number if they would like that included.

Mr. Clausen asked if it is possible to attend the meeting by teleconference. Mr. Nelson explained that this question is a matter covered in the Brown Act. Any location where there is a teleconference requires a public notice and making the location of the teleconference available to the public, so it poses difficulties but it is an issue we can explore. Ms. Palmer indicated if you were going to take the meeting from home, you'd need to post the notice on your front door.

Mr. Gloski asked if it is possible for committee members to suggest items for future agendas. For example, he indicated it would be helpful to have projections about the benefits regarding jobs or expenditures, as that would be helpful to share with the community. Ms. Mallon answered that the engineers do have models for that type of data. Facilities and sitings will be prioritized up front and then we can begin to explore those other topics.

Ms. Gonzalez-Potter asked if the Brown Act rules still applied to Facebook live streaming videos since it is not a physical location. She also asked if DCA has social media channels and suggested posting meeting notices there. Mr. Nelson explained the Brown Act does not recognize Facebook Live as a valid meeting location. Ms. Martinez indicated social media channels are currently a work in progress and information will be available there once they are up and running.

7. ADJOURNMENT

Ms. Palmer adjourned the meeting at 6:08 p.m.

Memo

Contact: Nazli Parvizi, Stakeholder Engagement
Josh Nelson, Interim General Counsel

Item No. 4b

Date: December 11, 2019

Subject: Discussion of Individual SEC Member Participation in DWR CEQA Process

Some Stakeholder Engagement Committee (SEC) members have requested clarification on whether and how their participation in the SEC may affect their participation in any Department of Water Resources (DWR) led environmental process under the California Environmental Quality Act (CEQA) or similar law to consider a potential Delta Conveyance and alternatives.

As explained in the Delta Conveyance Design and Construction Authority's (DCA) public outreach materials when soliciting applications for the SEC, participation in the SEC does not preclude participation in the DWR-led CEQA process either for or against any potential Delta Conveyance or alternatives. Participation in the SEC further does not preclude participation in potential future permitting or other regulatory proceedings on any proposed Delta Conveyance. Of course, all SEC member participation will be in an individual capacity on behalf of the member or his/her organization. SEC members will not be speaking on behalf of the DCA or SEC unless otherwise authorized by the DCA Board of Directors or staff.

Staff will be available at the meeting on December 11th to answer any questions SEC members may have.

December 2019

Delta Conveyance Environmental Review Update

Carrie Buckman

Environmental Program Manager

Agenda Item 4a

CALIFORNIA DEPARTMENT OF WATER RESOURCES



What is CEQA?

- California Environmental Quality Act – 1970 statute enacted by the state legislature
 - Provides for protection of the environment through adoption of feasible mitigation
 - Decision-making with environmental consequences in mind
 - Public participation is essential
 - Does not require that projects with significant impacts be denied. Approval must be justified.
- More restrictive than the federal National Environmental Policy Act





CEQA Objectives

- Provide information to the public and decision- makers about potential significant environmental impacts of a proposed project
- Identify ways to avoid or reduce significant impact(s)
- Minimize and avoid significant impacts to the environment by using feasible alternatives and mitigation
- Disclose to the public the reasons a project is approved even if it will have some significant adverse impacts





Who is Responsible?

- DWR (CEQA Lead Agency)
 - Leads the environmental review and planning effort
 - Will comply with CEQA as lead agency and likely prepare and Environmental Impact Report (EIR)
 - Will prepare EIR that also complies with National Environmental Policy Act should federal agencies initiate environmental compliance process
 - Leads CEQA's required public and agency outreach, public participation and stakeholder engagement activities
- Responsible agencies
- Trustee agencies
- Federal agencies





Key Acronyms

- CEQA - California Environmental Quality Act
- NOP - Notice of Preparation
- EIR - Environmental Impact Report
- NOD - Notice of Determination





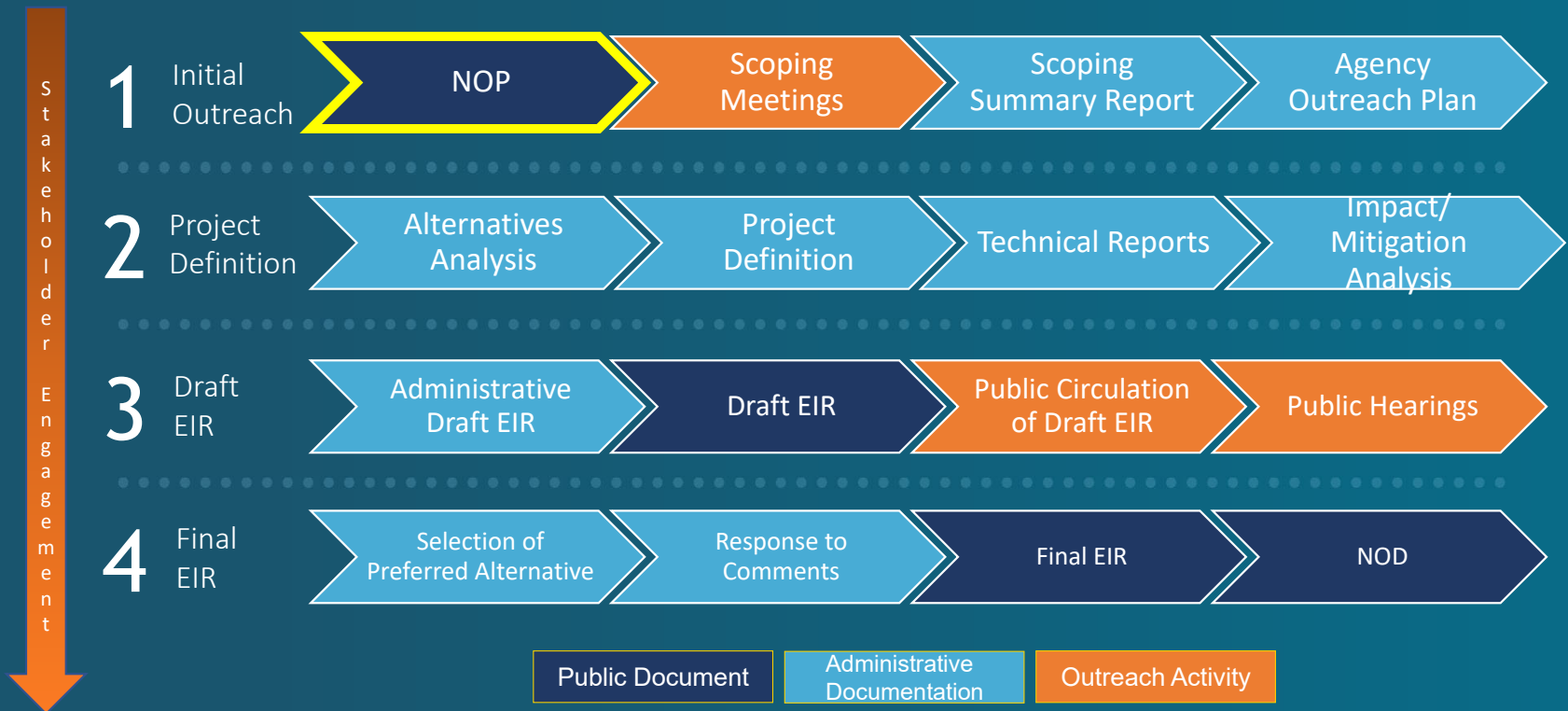
Process

- Action proposed
- Decide if action is a project
- Decide if the project is subject to CEQA
- Decide if the project is exempt
- If not exempt, may prepare an Initial Study
- Determine environmental document required for agency decision (ND, MND, or EIR)
- Prepare appropriate environmental document
- Public review
- Certify EIR/adopt ND or MND, project approval, findings
- Notice of Determination



Delta Conveyance Environmental Review

Identify, analyze and disclose the potential significant adverse environmental impacts of a proposed project, and provide feasible mitigation measures and alternatives to avoid or reduce such effects.





DCA Stakeholder Engagement Committee

Develop Understanding of Delta
Conveyance Components and
Siting Drivers

Review material on facility layouts, site selections, and efforts to address
construction effects such as traffic volume, noise, site run-off and air
emissions and provide advice to the DCA

DCA Engineering Team

Studies to Support
Identification of
Proposed Project

Initiate Concept
Engineering Work on
Proposed Project as
Described in NOP

Finalize Concept Engineering
Work on All Proposed
Alternatives Identified by DWR

DWR Planning Team

NOP Preparation

Identify Proposed Project
that will be Studied in
Environmental Impact
Report (EIR)

Notice of
Preparation
(NOP)

Scoping

Seek Public Comment
on the NOP; Based on
Feedback, Identify
Alternatives for
Further Study

Alternatives
Identified

Environmental Impact Assessment

Comprehensive assess-
ment of the impacts
associated with each
of the defined
alternatives

Draft EIR
for Public
Comment

General Public

Attend Scoping Meetings and Provide
Comment on NOP Including Project
Description and List of Potential
Environmental Impacts to be Assessed

Provide Comment on
Entire Content of Draft EIR



CALIFORNIA DEPARTMENT OF
WATER RESOURCES



Permitting Requirements

- Endangered Species Act (ESA) Section 7 Consultation
- National Historic Preservation Act (NHPA) Section 106 Compliance
- California Department of Fish and Wildlife (CDFW) 2081(B) Incidental Take Permit
- SWRCB Section 401 of the Clean Water Act - Water Quality Certification
- CDFW Lake and Streambed Alteration Agreement, Section 1602
- USACE Section 404/10 Permit
- SWRCB Change in Point of Diversion Petition
- Delta Stewardship Council Delta Plan Consistency
- USACE Section 408 Permit





Notice of Preparation

Documents the Intent to Develop an EIR
for proposed Delta conveyance project:

- Triggers Start of Scoping –
Receive input on the scope and content of the EIR
- Public Comment Period
- Public Meetings

The NOP will include:

- Description of Proposed Project
- Proposed Project Objectives
- Proposed Project Area
- Proposed Project Facilities





Environmental Impacts Analyzed

Under CEQA, the adverse effects of proposed Delta conveyance project on the physical, human and natural environment will be evaluated.

- Resources Studied:

- Water Supply
- Surface Water
- Groundwater
- Hydrology and Water Quality
- Geology and Soils
- Fish and Aquatic Resources
- Terrestrial Biological Resources
- Land Use
- Agricultural Resources
- Recreation
- Socioeconomics
- Aesthetics
- Cultural Resources
- Energy
- Tribal Cultural Resources
- Transportation
- Public Services and Utilities
- Energy
- Air Quality and Greenhouse Gas
- Noise
- Hazards and Hazardous Materials
- Public Health
- Mineral Resources
- Paleontological Resources
- Climate Change
- Growth Inducement and Other Indirect Effects





How Does this Committee Intersect with the CEQA Process?

- Discussions during the SEC are intended to provide critical input to the design and engineering that will be considered as part of the environmental review process, including identifying potential engineering and design strategies to avoid and/or minimize community effects

Construction Effects Considered:



Logistics



Noise



Roadways



Air Quality



Dual Benefit
Facilities



Transportation



CALIFORNIA DEPARTMENT OF
WATER RESOURCES

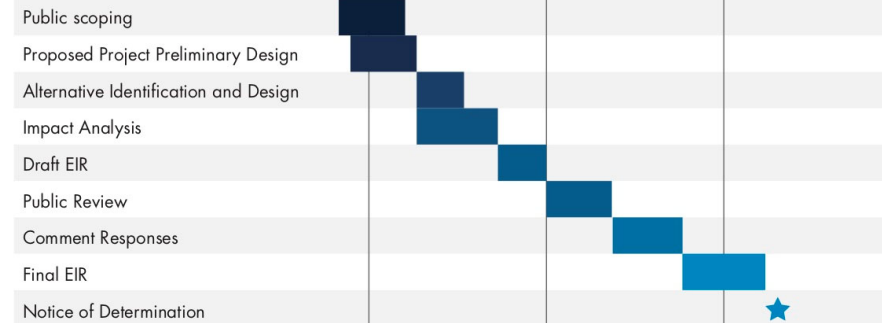


Key Milestones

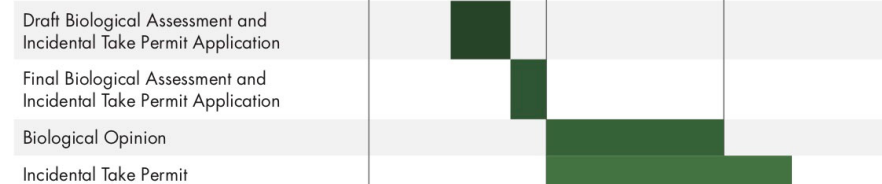
Delta Conveyance CEQA Milestones

Environmental Compliance Schedule

CEQA



ESA/CESA



Water Rights

Delta Plan Consistency

Other Environmental Permits



CALIFORNIA DEPARTMENT OF
WATER RESOURCES



Future Proposed Soil Investigations

Additional CEQA Activities

Initial Study/proposed Mitigated Negative Declaration available for public review and comment through January 15, 2020.

DWR is proposing to gather data to inform and evaluate alternatives for Delta conveyance over an approximate 36-month period including:

- Soil borings (on-land and overwater)
- Cone Penetration Tests
- Geophysical surveys



Ways to Stay Informed

Learn more on the DWR website and stay up to date with news and other information on social media.



DWR Website

<https://water.ca.gov/Programs/State-Water-Project/Delta-Conveyance>



Project Hotline

866.924.9955



Twitter

@CA_DWR



Project Hotline

DeltaConveyance@water.ca.gov

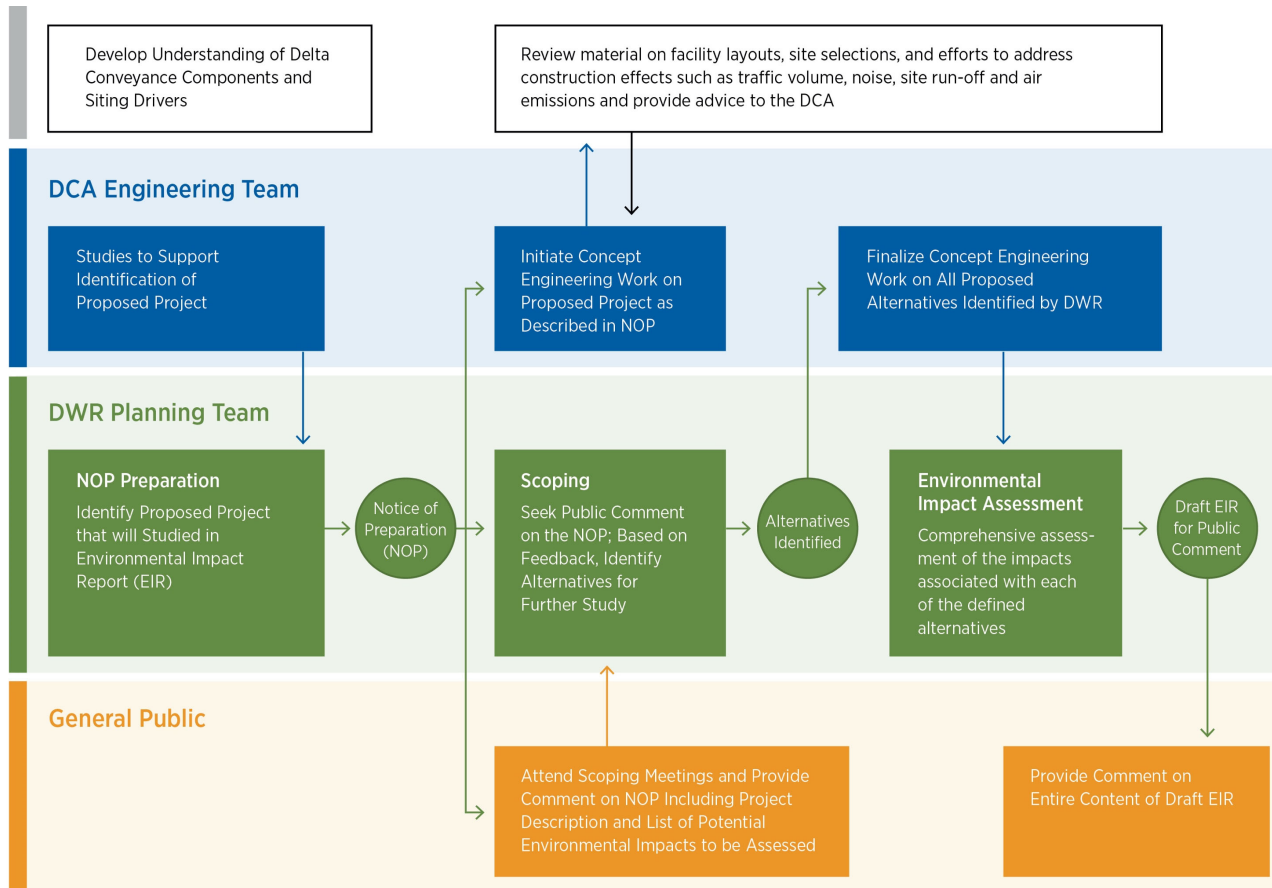


December 2019

Questions?

CALIFORNIA DEPARTMENT OF WATER RESOURCES

DCA Role Review: Kathryn Mallon, Executive Director



Engineering Discussion

- What will the DCA deliver to DWR for their Environmental Assessment?
- How will the DCA use this Committee to help us complete this work?
- What would we like to receive from the Committee?
- What are we showing you today?



DCA
DELTA CONVEYANCE DESIGN
& CONSTRUCTION AUTHORITY

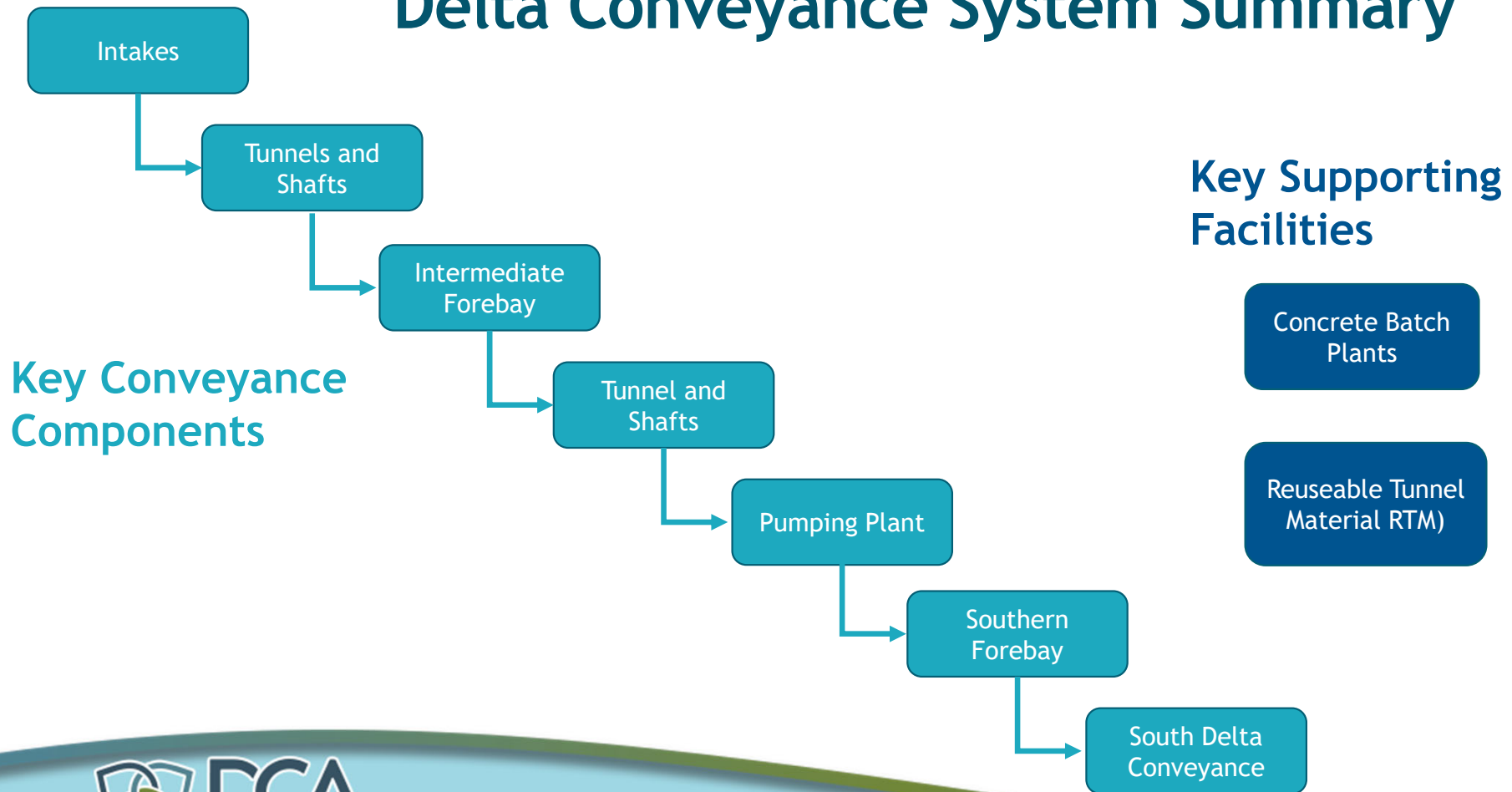
STAKEHOLDER ENGAGEMENT
COMMITTEE (SEC)



Conveyance System Overview

An Overview
Agenda Item 4c

Delta Conveyance System Summary



DCA
DELTA CONVEYANCE DESIGN
& CONSTRUCTION AUTHORITY

STAKEHOLDER ENGAGEMENT
COMMITTEE (SEC)

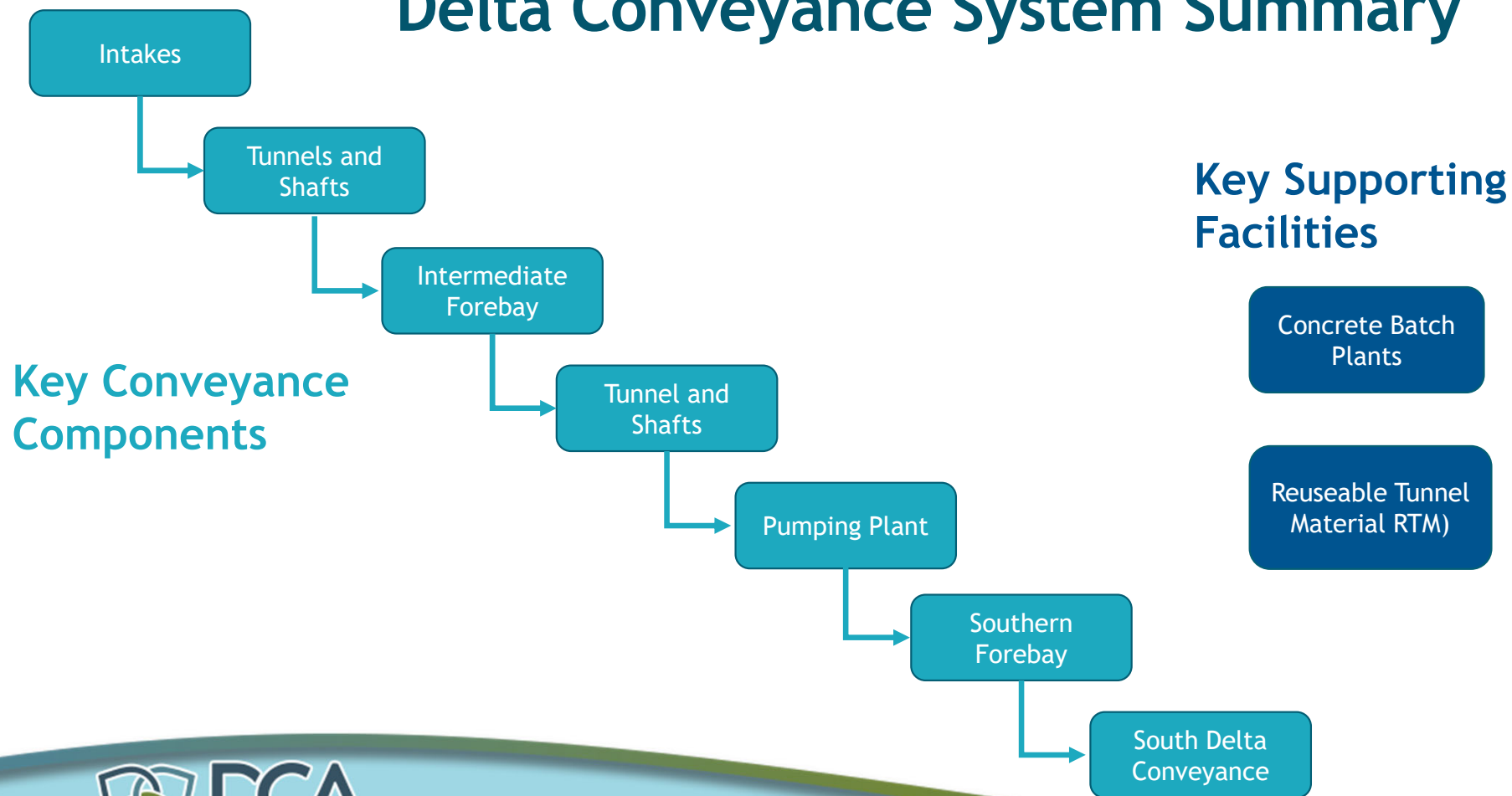
Conveyance System Overview (Animation)



DCA
DELTA CONVEYANCE DESIGN
& CONSTRUCTION AUTHORITY

STAKEHOLDER ENGAGEMENT
COMMITTEE (SEC)

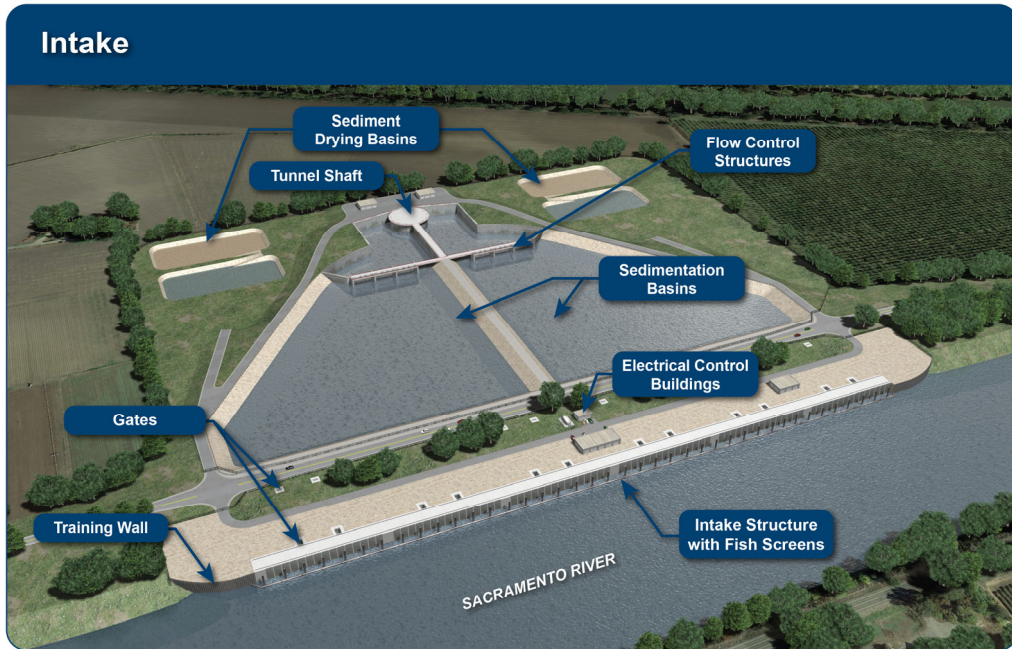
Delta Conveyance System Summary



DCA
DELTA CONVEYANCE DESIGN
& CONSTRUCTION AUTHORITY

STAKEHOLDER ENGAGEMENT
COMMITTEE (SEC)

Component Features: Intake



For Illustration Purposes Only

Purpose

- Diverts water from a water source into the conveyance system
- Protects fish from entering system
- Controls the flow rate of diversions
- Removes sediment from entering tunnel
- Provides flood protection

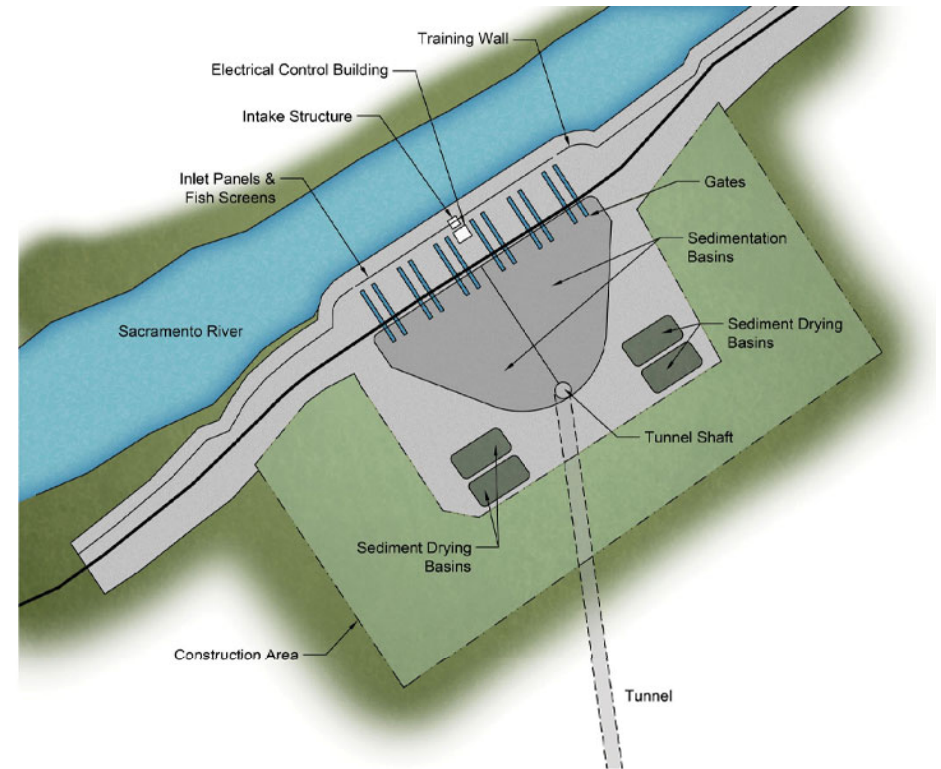


DCA
DELTA CONVEYANCE DESIGN
& CONSTRUCTION AUTHORITY

STAKEHOLDER ENGAGEMENT
COMMITTEE (SEC)

Construction Site Plan: Intake

Requires approximately 115-120 acres for construction



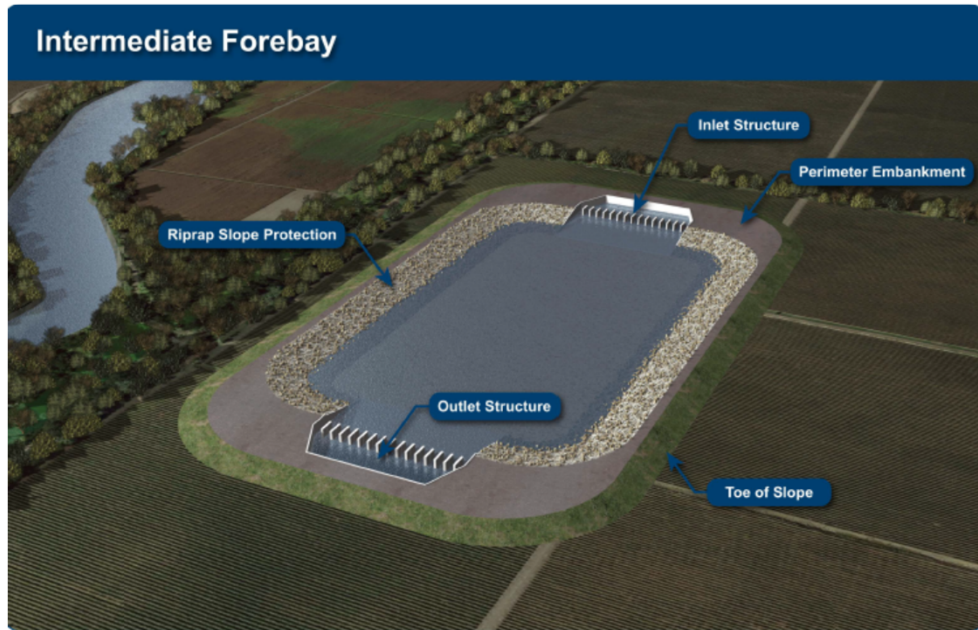
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DELTA CONVEYANCE DESIGN
& CONSTRUCTION AUTHORITY

STAKEHOLDER ENGAGEMENT
COMMITTEE (SEC)

Component Features: Intermediate Forebay



Purpose

Water storage volume to balance the flow between the intakes and the pumping station

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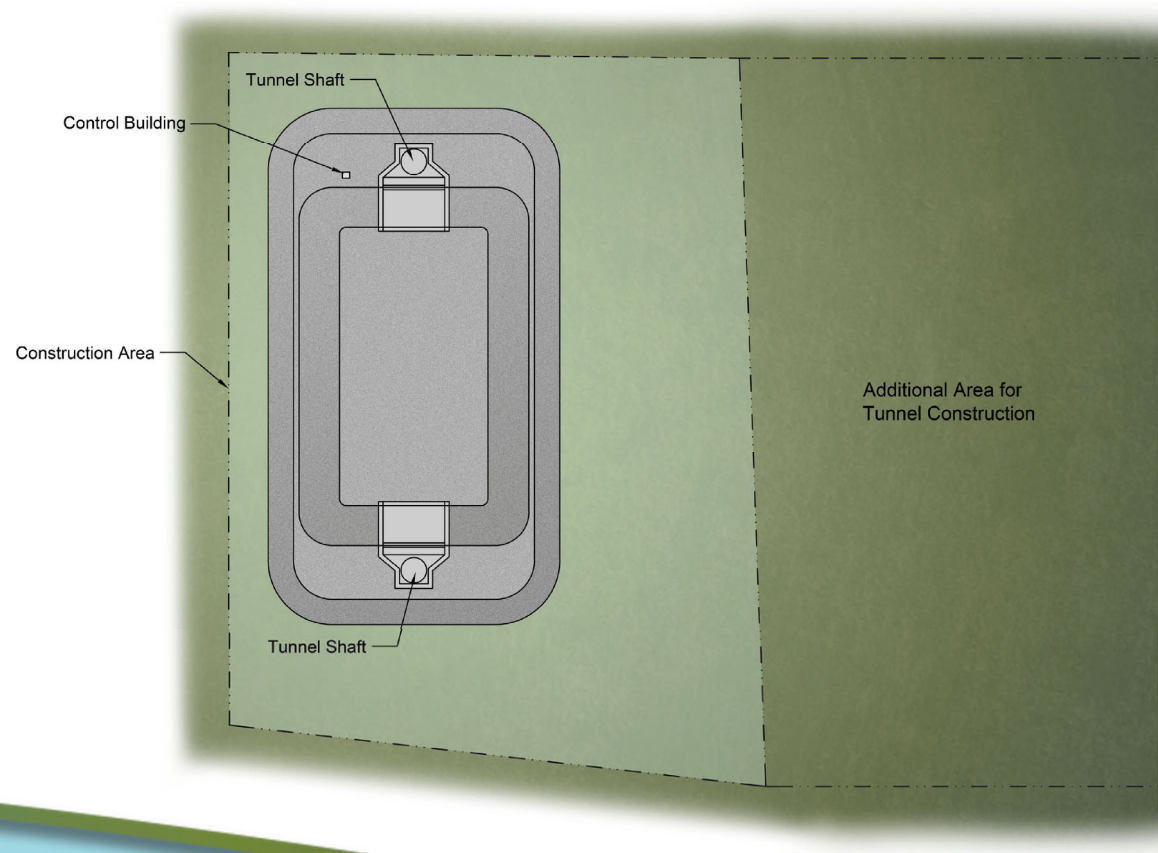


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DELTA CONVEYANCE DESIGN
& CONSTRUCTION AUTHORITY

STAKEHOLDER ENGAGEMENT
COMMITTEE (SEC)

Construction Site Plan: Intermediate Forebay

Requires approximately 250 acres



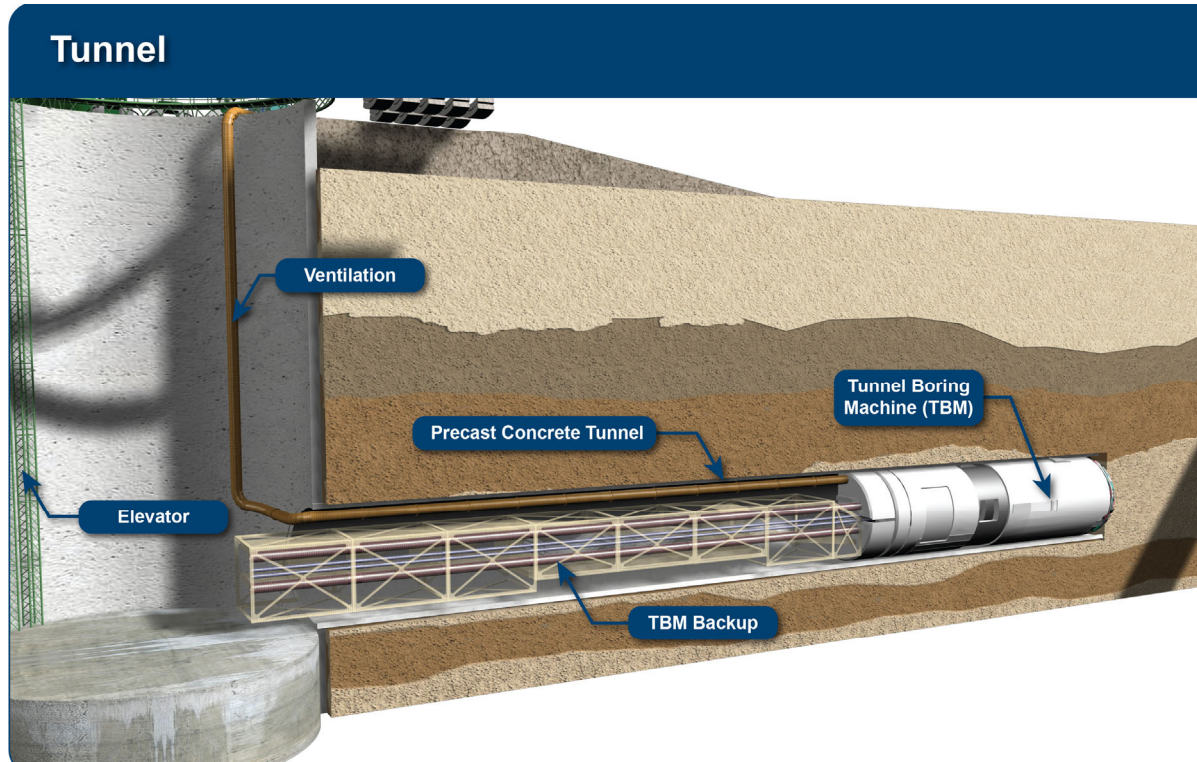
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DELTA CONVEYANCE DESIGN
& CONSTRUCTION AUTHORITY

STAKEHOLDER ENGAGEMENT
COMMITTEE (SEC)

Component Features: Tunnel Launch Shaft



Purpose

The starting location of a tunnel drive that provides access for a tunnel boring machine during construction

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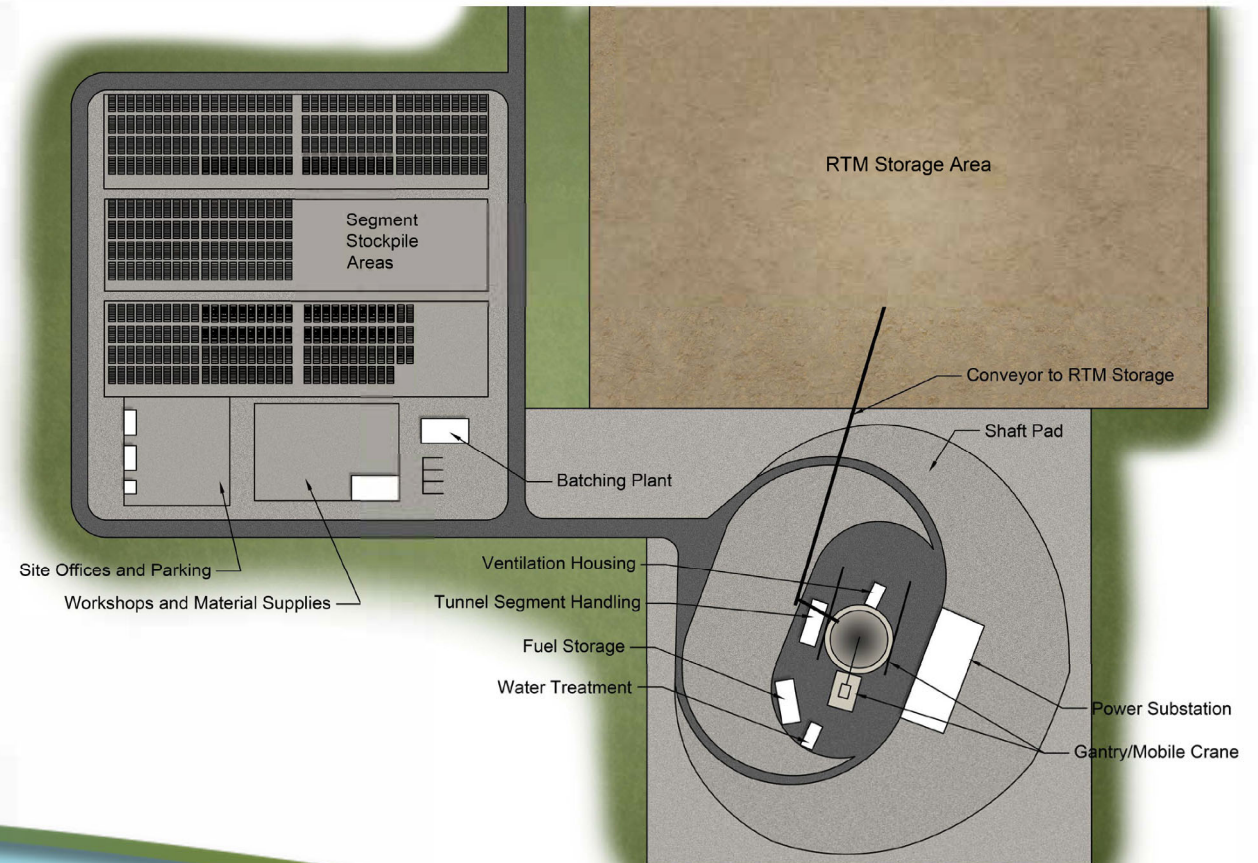


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DELTA CONVEYANCE DESIGN
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STAKEHOLDER ENGAGEMENT
COMMITTEE (SEC)

Construction Site Plan: Tunnel Launch Shaft

Requires up to
approximately 450 acres



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DCA
DELTA CONVEYANCE DESIGN
& CONSTRUCTION AUTHORITY

STAKEHOLDER ENGAGEMENT
COMMITTEE (SEC)

Component Features: Tunnel (Animation)

Purpose

Transports water from the intakes to the new Pumping Plant in the South Delta

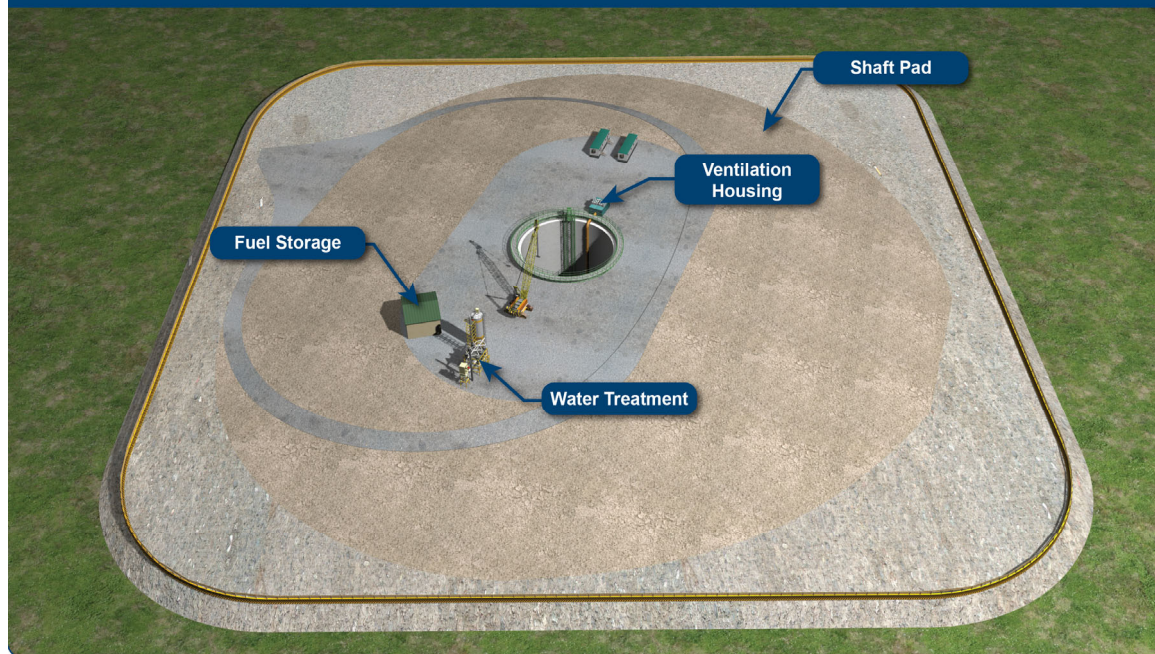


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DELTA CONVEYANCE DESIGN
& CONSTRUCTION AUTHORITY

STAKEHOLDER ENGAGEMENT
COMMITTEE (SEC)

Component Features: Tunnel Retrieval Shaft

Retrieval Shaft



Purpose

The ending location of a tunnel drive through which the boring machine can be disassembled and removed after it has bored a tunnel

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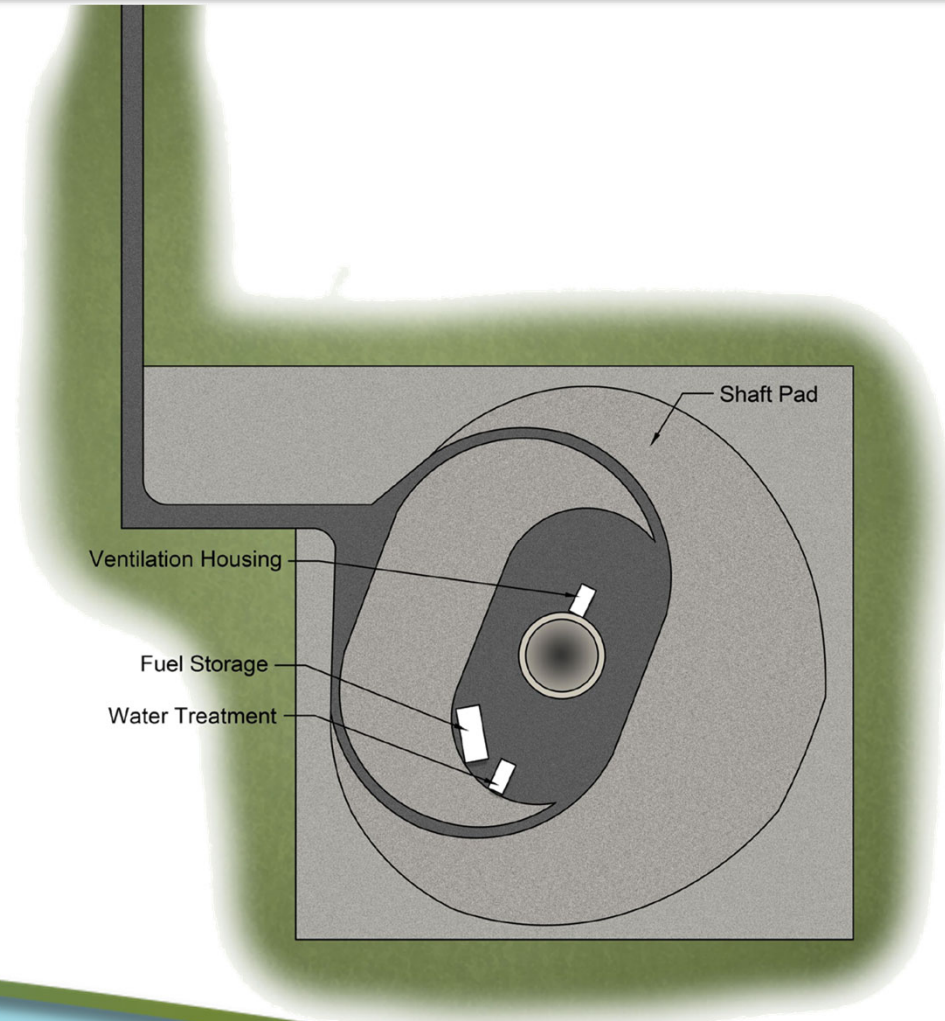


DCA
DELTA CONVEYANCE DESIGN
& CONSTRUCTION AUTHORITY

STAKEHOLDER ENGAGEMENT
COMMITTEE (SEC)

Construction Site Plan: Tunnel Retrieval Shaft

Requires approximately 4 acres



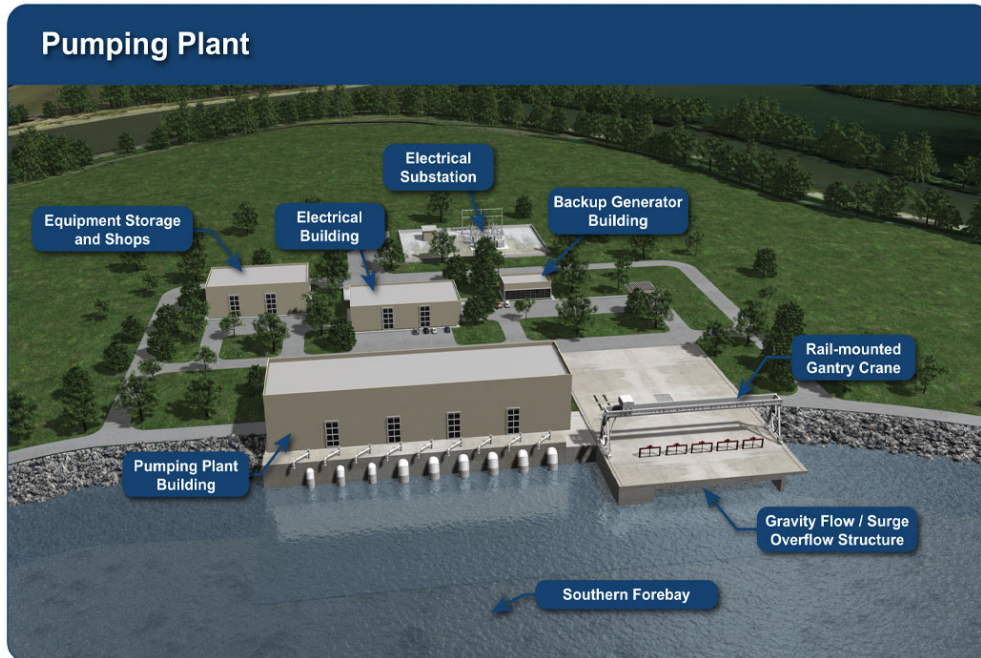
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DCA
DELTA CONVEYANCE DESIGN
& CONSTRUCTION AUTHORITY

STAKEHOLDER ENGAGEMENT
COMMITTEE (SEC)

Component Features: Pumping Plant



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Purpose

Lifts the water up from the tunnel into a new Southern Forebay near the existing Clifton Court Forebay. This begins the process of integrating the proposed Delta conveyance system into the existing State Water Project system

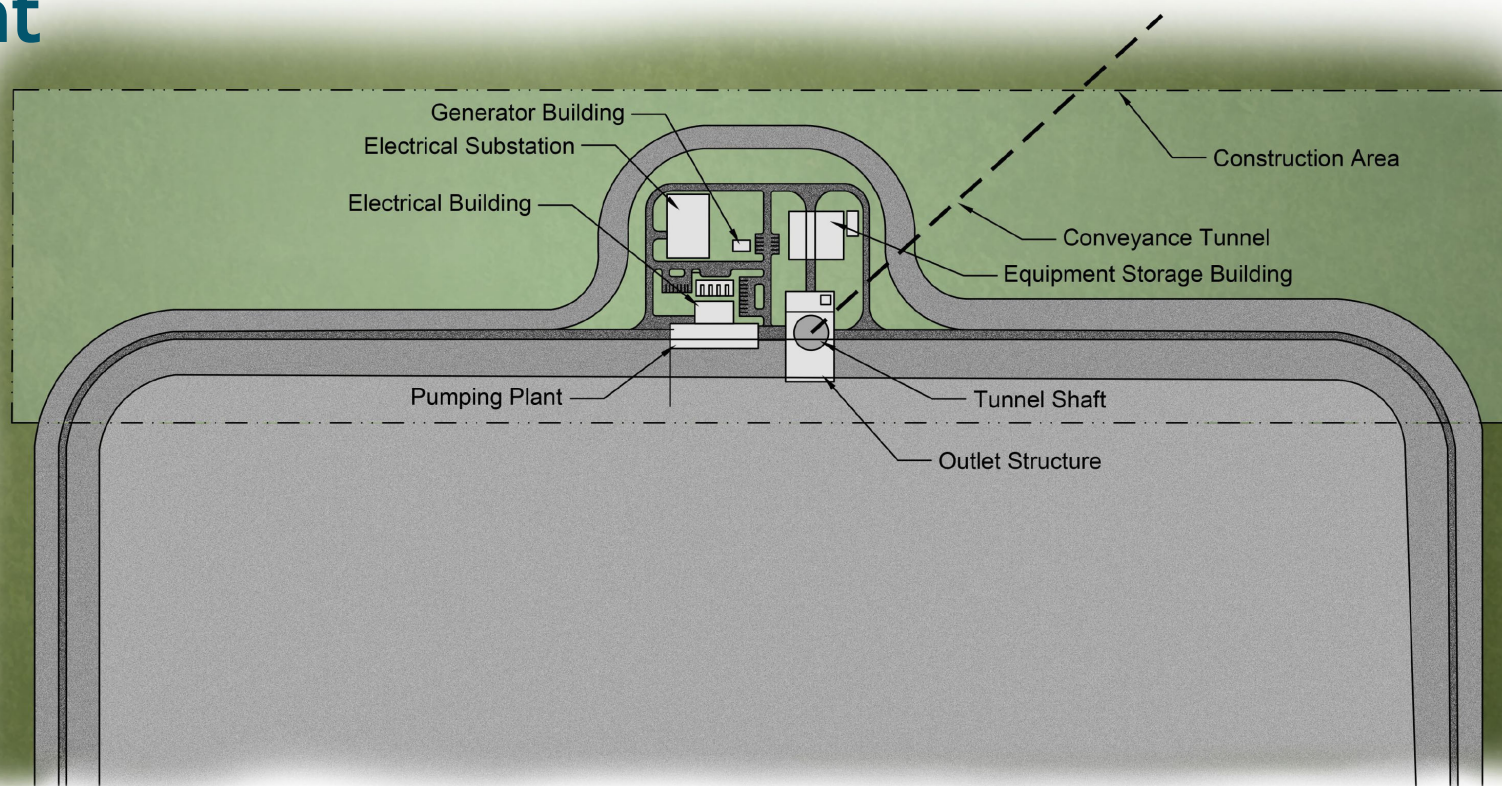


DCA
DELTA CONVEYANCE DESIGN
& CONSTRUCTION AUTHORITY

STAKEHOLDER ENGAGEMENT
COMMITTEE (SEC)

Construction Site Plan: Pumping Plant

Requires
approximately
25 acres



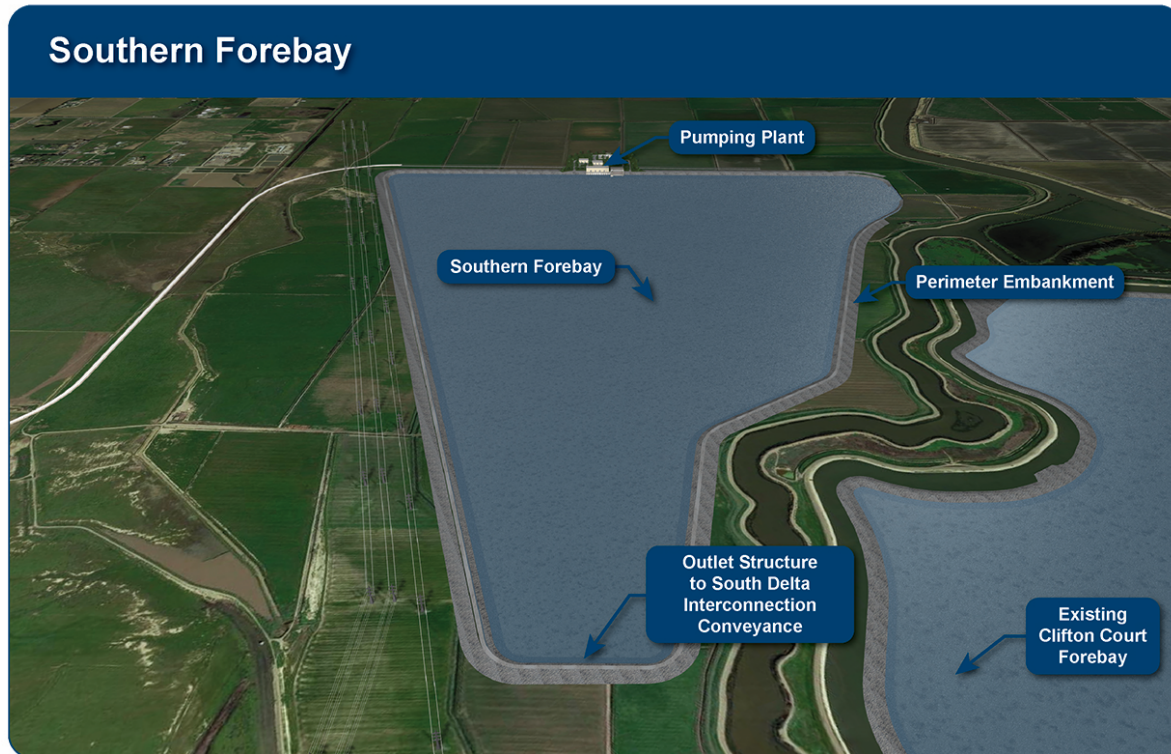
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DCA
DELTA CONVEYANCE DESIGN
& CONSTRUCTION AUTHORITY

STAKEHOLDER ENGAGEMENT
COMMITTEE (SEC)

Component Features: Southern Forebay



Purpose

Balances inflow and outflow by storing water conveyed by the system until it is released to existing water facilities

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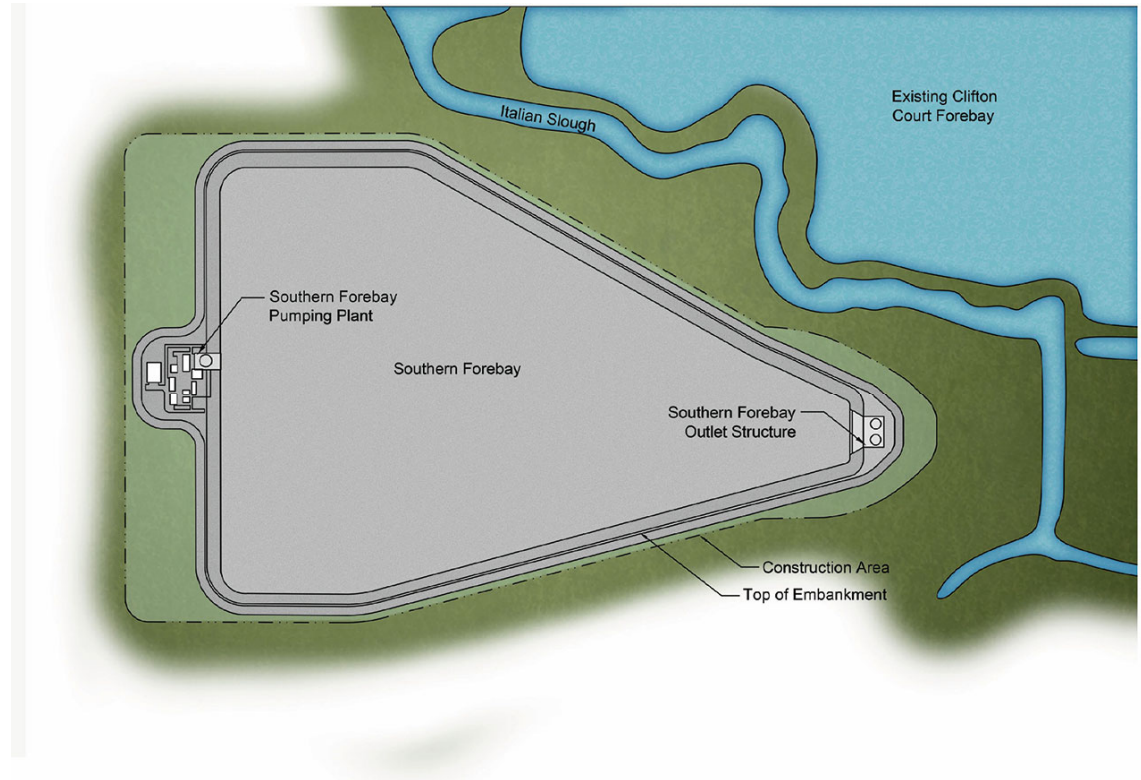


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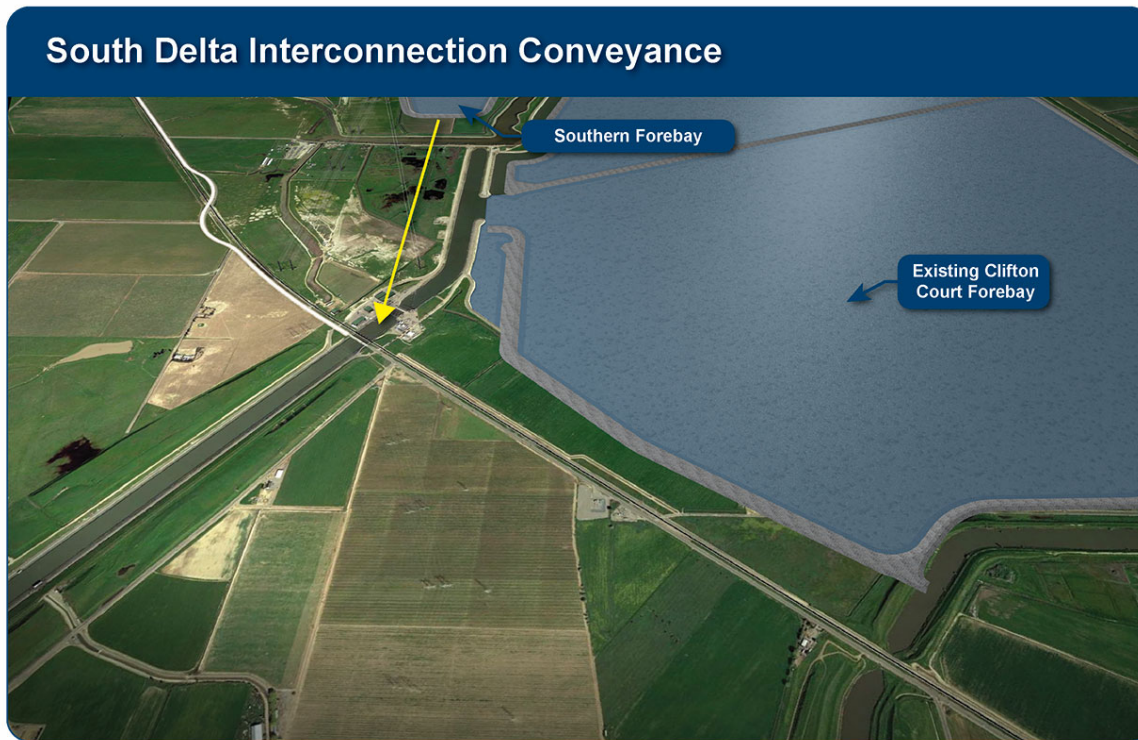
STAKEHOLDER ENGAGEMENT
COMMITTEE (SEC)

Construction Site Plan: Southern Forebay

- Requires approximately 1100 acres
- Large area required due to storage needs



Component Features: South Delta Interconnection Conveyance to Existing Pumping Plants



Purpose

Conveys water from proposed Southern Forebay to existing pumping plants

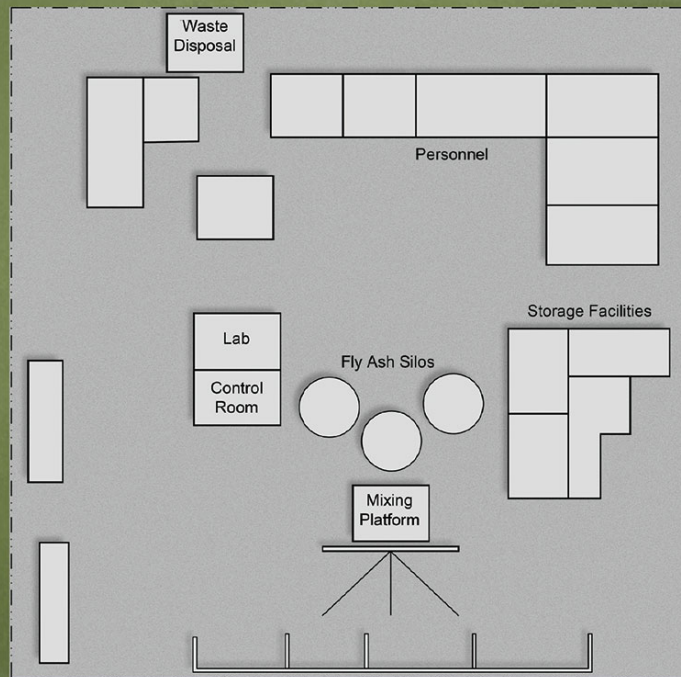
For Illustration Purposes Only



DCA
DELTA CONVEYANCE DESIGN
& CONSTRUCTION AUTHORITY

STAKEHOLDER ENGAGEMENT
COMMITTEE (SEC)

Component Features: Temporary Batch Plants



Purpose

Produces cementitious products used to construct various project elements



DCA
DELTA CONVEYANCE DESIGN
& CONSTRUCTION AUTHORITY

STAKEHOLDER ENGAGEMENT
COMMITTEE (SEC)

Component Features: Reusable Tunnel Material (RTM)

- **Description**

RTM consists of soils excavated from the boring of tunnels and the digging of shafts

- Space would be provided at a launch site to store RTM while it is tested, dried and sorted before being reused



DCA
DELTA CONVEYANCE DESIGN
& CONSTRUCTION AUTHORITY

STAKEHOLDER ENGAGEMENT
COMMITTEE (SEC)



DCA

DELTA CONVEYANCE DESIGN
& CONSTRUCTION AUTHORITY

STAKEHOLDER ENGAGEMENT
COMMITTEE (SEC)



Clarifications?



DCA

DELTA CONVEYANCE DESIGN
& CONSTRUCTION AUTHORITY

STAKEHOLDER ENGAGEMENT
COMMITTEE (SEC)

Conveyance System Overview: Feature Siting Drivers

Understanding Key Siting Drivers
Agenda Item 4c

Feature Siting Drivers

1. Study Area
2. Soil Compressibility
3. Oil & Gas Wells
4. Railroad Access Routes
5. Barge Access Routes
6. Power Supply
7. Land Use
8. Sensitive Receptors
9. Greater Sandhill Cranes
10. River Geomorphology

**Numbers correspond to numbered maps provided separately*



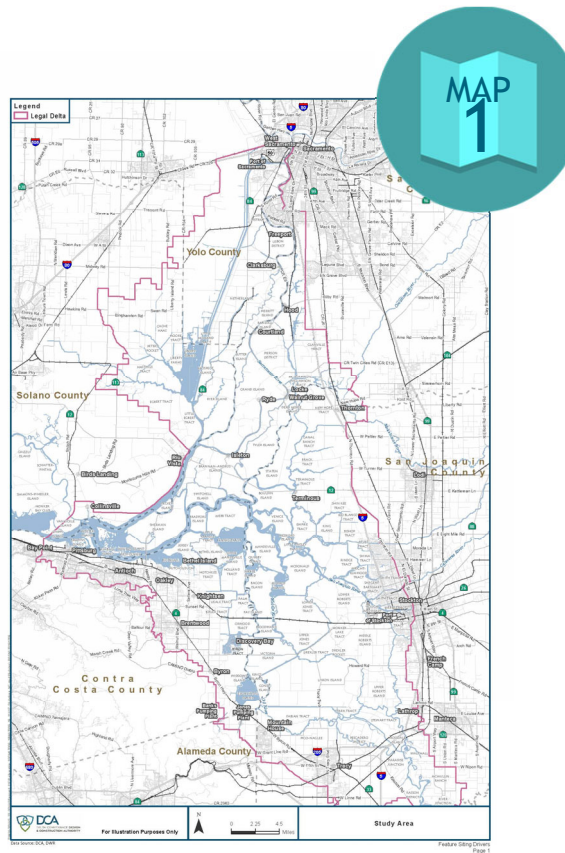
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DELTA CONVEYANCE DESIGN
& CONSTRUCTION AUTHORITY

STAKEHOLDER ENGAGEMENT
COMMITTEE (SEC)

Key Driver: Study Area

Importance

- Study area boundary extends from the potential intake locations in the north Delta to the existing southern Delta water facilities
- Engineering study area utilizes the legal Delta boundary



Facilities Affected

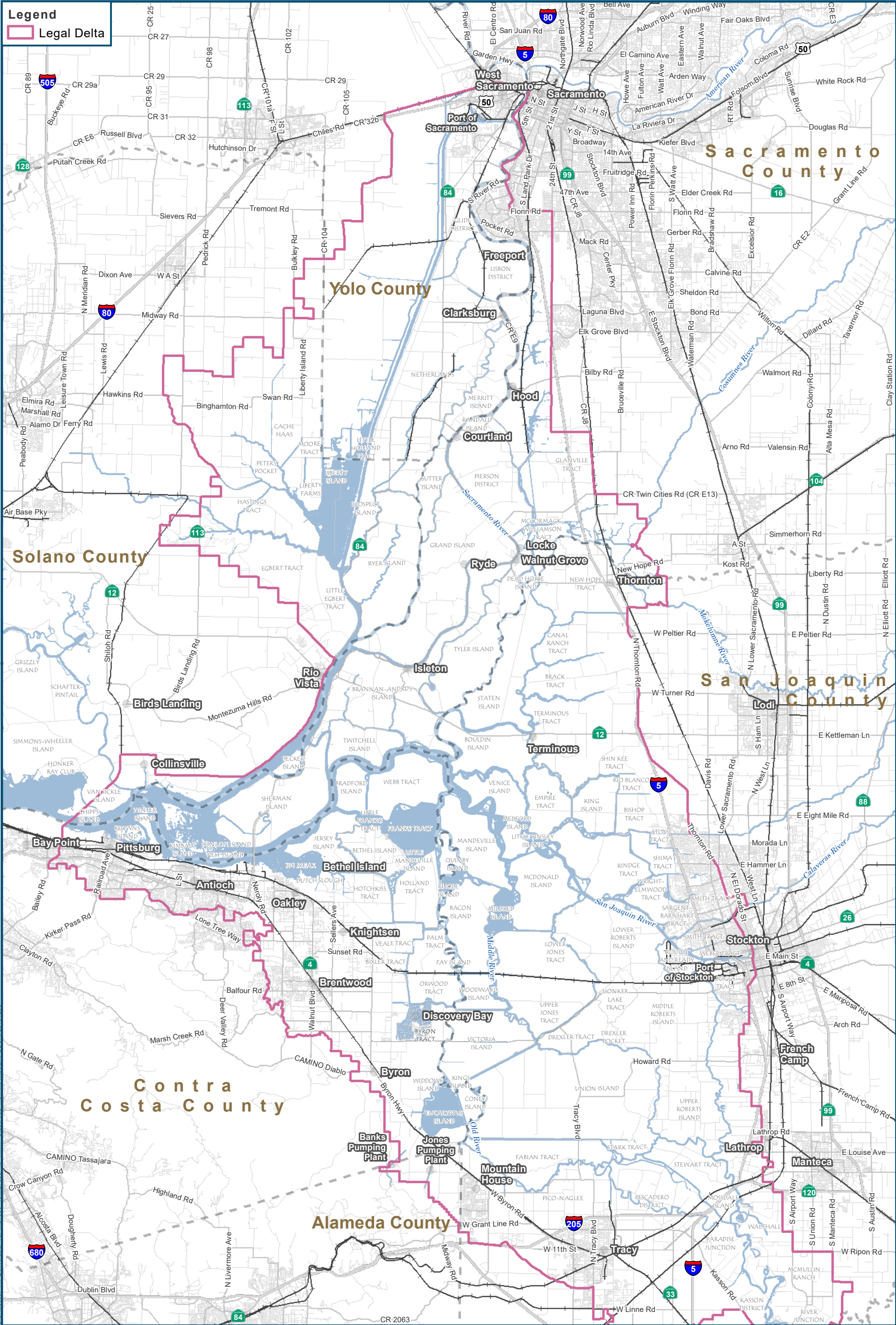
- ☒ Intakes
- ☒ Tunnel- Launch
- ☒ Tunnel
- ☒ Tunnel- Retrieval
- ☒ Intermediate Forebay
- ☒ Southern Forebay
- ☒ Pumping Plant
- ☒ South Delta Interconnection Conveyance



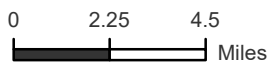
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& CONSTRUCTION AUTHORITY

STAKEHOLDER ENGAGEMENT
COMMITTEE (SEC)

Map 1



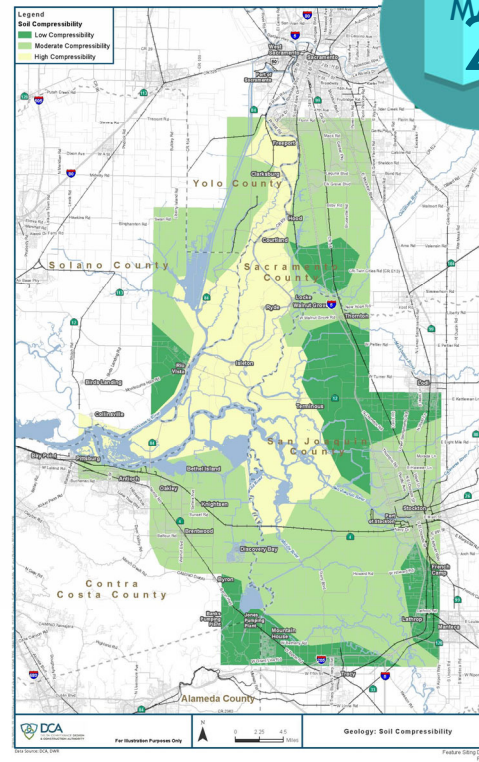
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Key Driver: Soil Compressibility

Importance

- The Delta is underlain by a complex network of buried stream channels and ancient marsh areas that have developed over thousands of years
- Some resulting deposits are susceptible to compression under weight or liquefaction during a seismic event



Facilities Affected

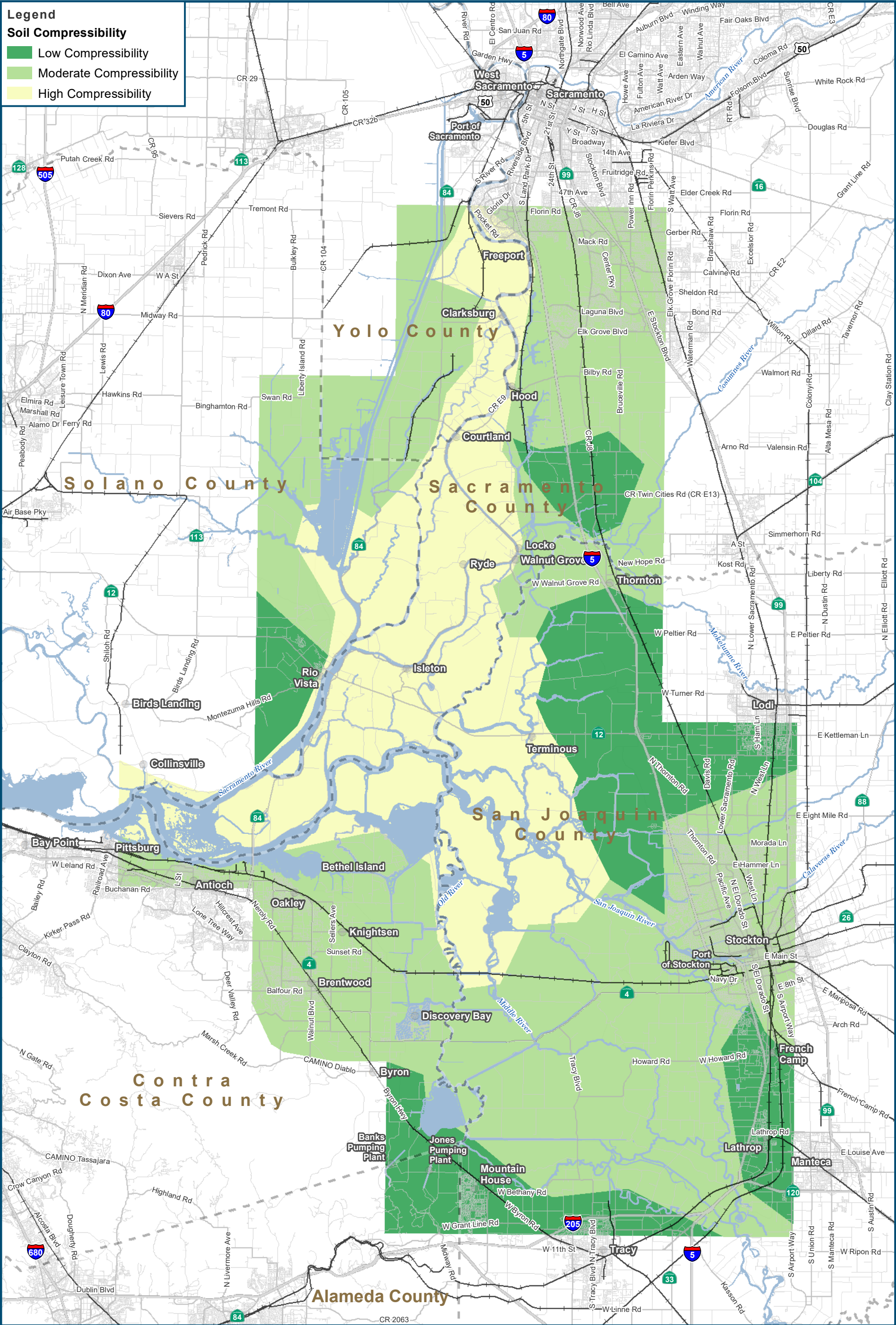
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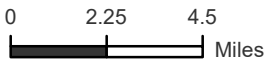
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Map 2



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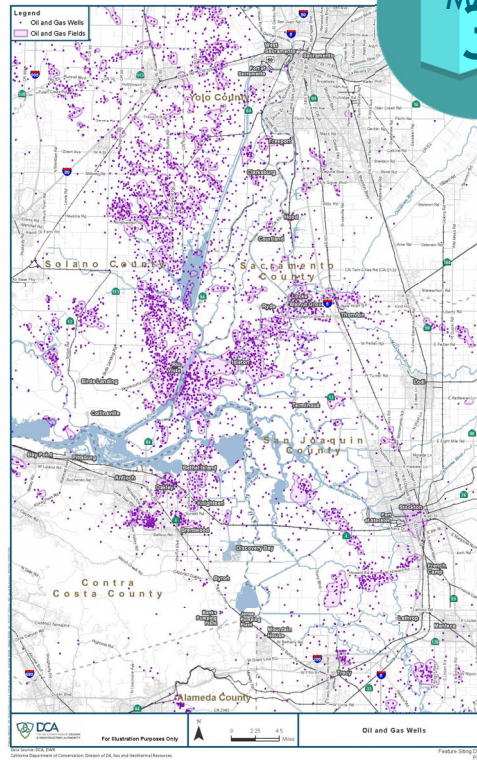


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Key Driver: Oil & Gas Wells

Importance

- Steel casings of oil & gas wells could obstruct tunnel boring and trapped gas creates a safety hazard for tunneling



Facilities Affected

- ☐ Intakes
- ☐ Tunnel- Launch
- ☒ Tunnel
- ☐ Tunnel- Retrieval
- ☐ Intermediate Forebay
- ☐ Southern Forebay
- ☐ Pumping Plant
- ☐ South Delta Interconnection Conveyance



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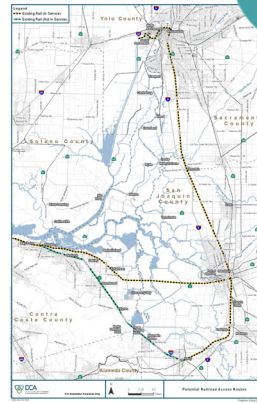
STAKEHOLDER ENGAGEMENT
COMMITTEE (SEC)



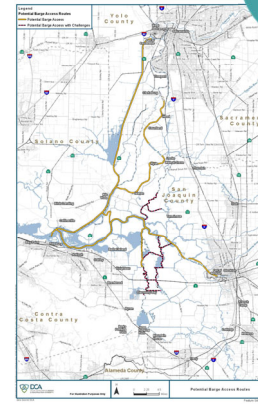
Key Driver: Existing Access Routes

Importance

- A network of transportation routes and modes needed to move equipment, materials and workers to and from work sites through duration of construction
- An efficient network of access routes would reduce disturbance to other land uses



Railroad



Barge

Facilities Affected

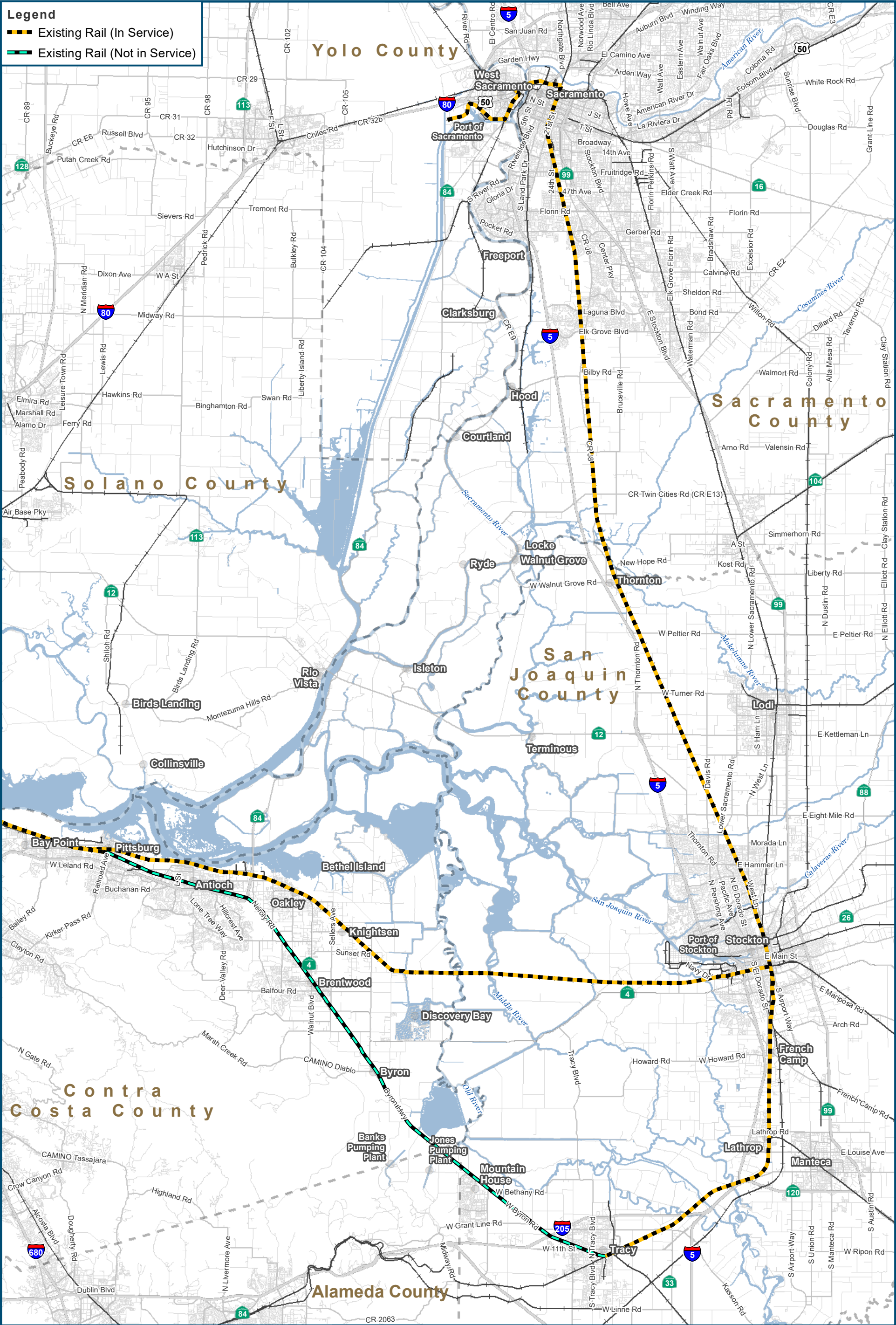
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Map 4





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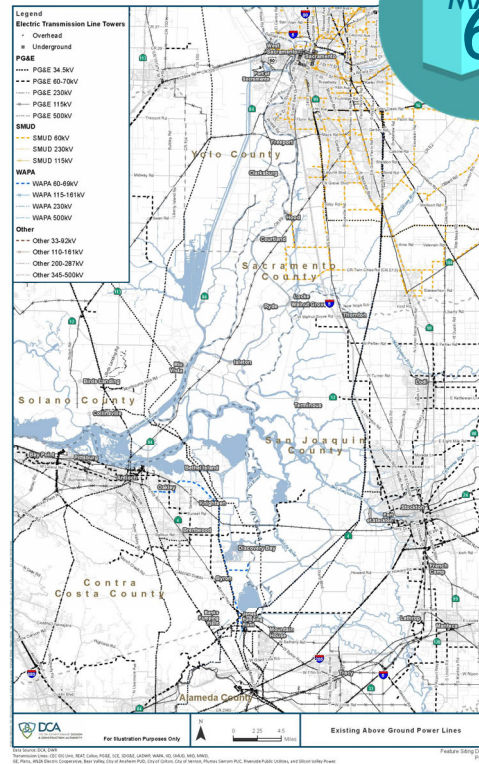
0 2.25 4.5
Miles

Potential Railroad Access Routes

Key Driver: Power Supply

Importance

- Electrical power required for system construction and operation could require new electrical transmission corridors
- Some work locations could utilize on-site generators or existing power lines



Facilities Affected

- ☒ Intakes
- ☒ Tunnel- Launch
- ☐ Tunnel
- ☒ Tunnel- Retrieval
- ☒ Intermediate Forebay
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Map 6

Legend

Electric Transmission Line Towers

- Overhead
- Underground

PG&E

- PG&E 34.5kV
- PG&E 60-70kV
- PG&E 230kV
- PG&E 115kV
- PG&E 500kV

SMUD

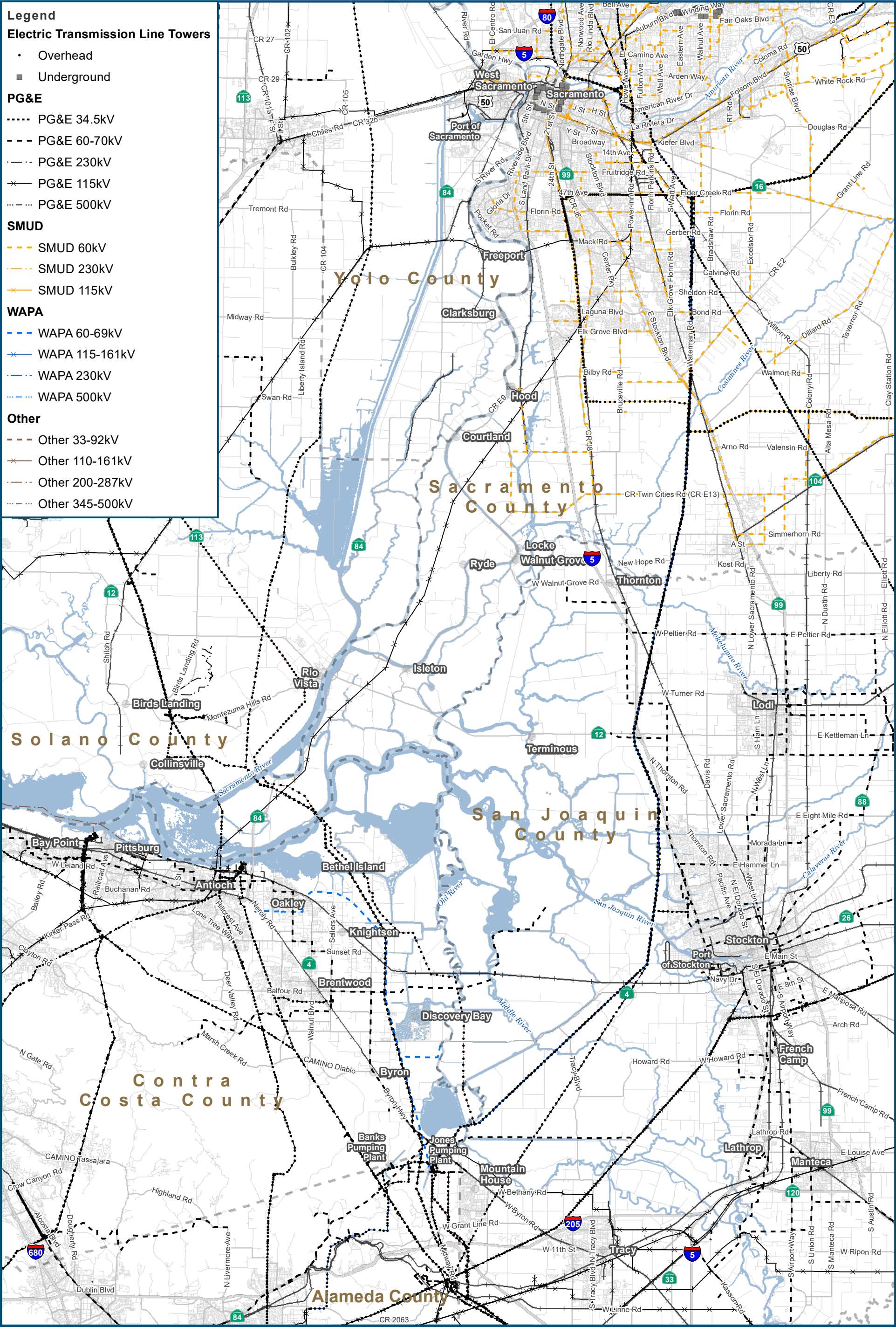
- SMUD 60kV
- SMUD 230kV
- SMUD 115kV


WAPA

- WAPA 60-69kV
- WAPA 115-161kV
- WAPA 230kV
- WAPA 500kV

Other


- Other 33-92kV
- Other 110-161kV
- Other 200-287kV
- Other 345-500kV






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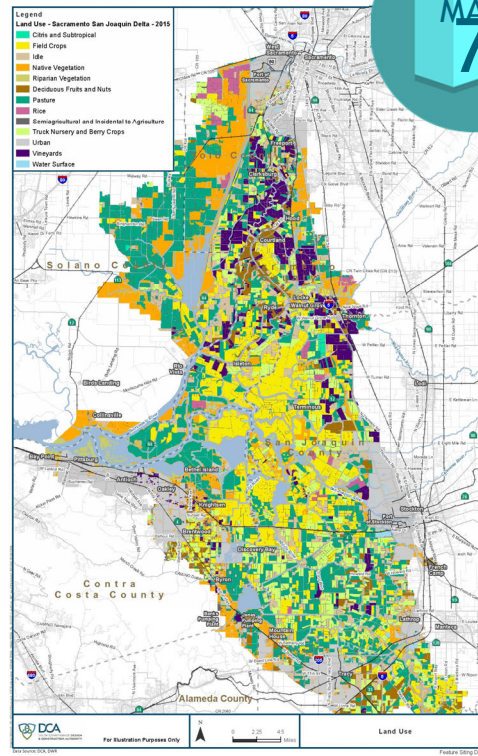
0 2.25 4.5
Miles

Existing Above Ground Power Lines

Key Driver: Land Use

Importance

- Multiple land uses
 - Agricultural lands - 450,000 acres
 - Habitat - 183,000 acres
 - Urban - 84,000 acres
- Changes could occur over the long term for facilities and short term for construction



Facilities Affected

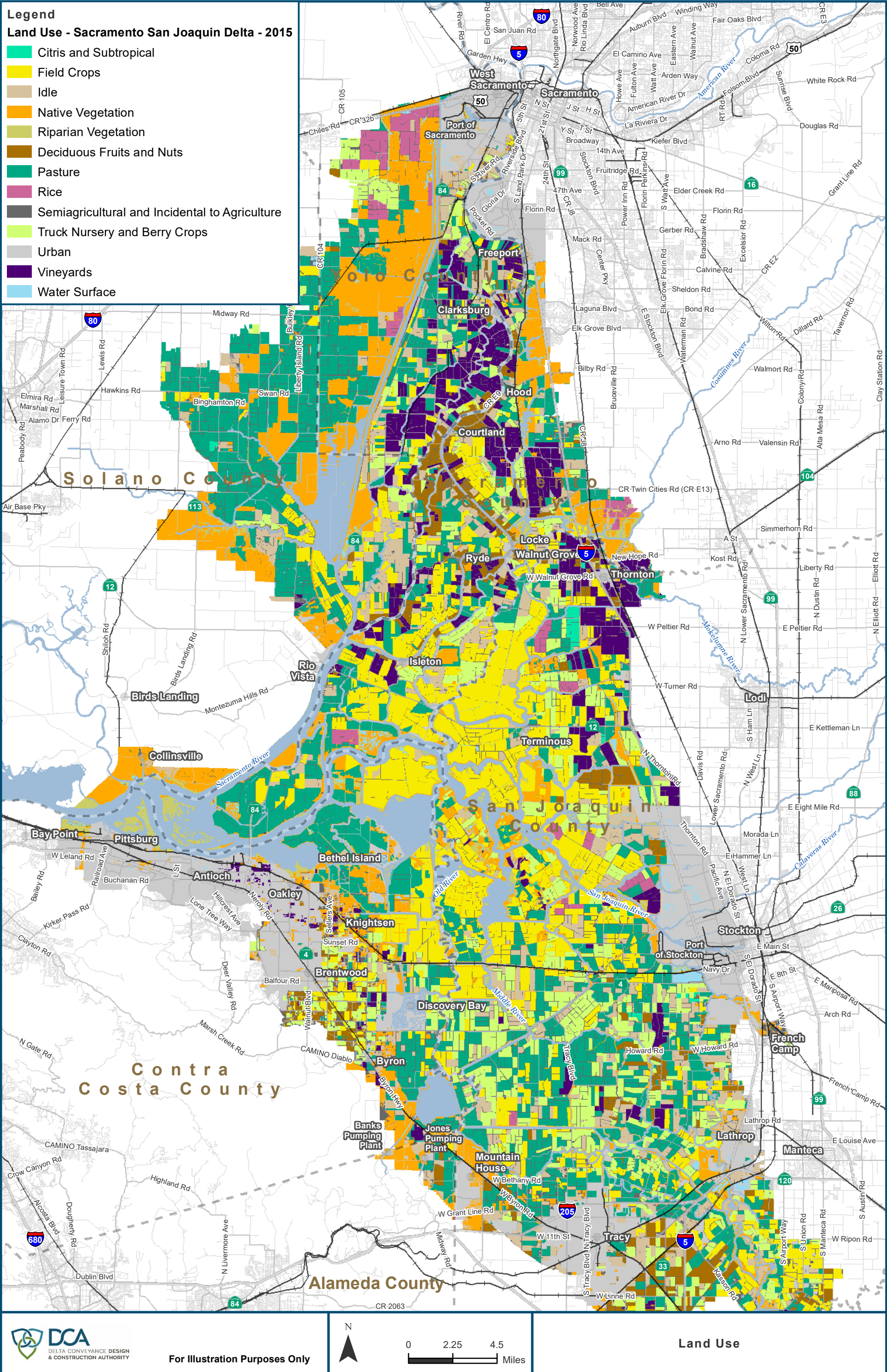
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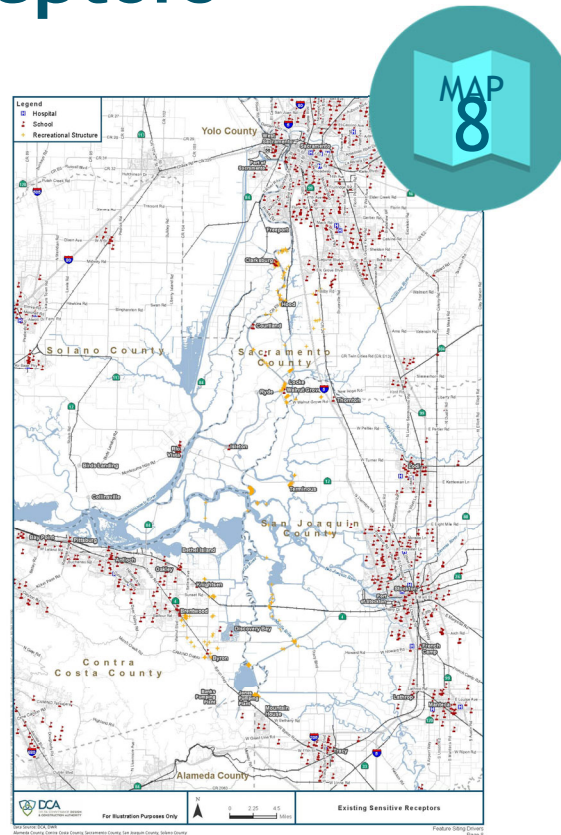
Map 7



Key Driver: Sensitive Receptors

Importance

- Areas with people that are more susceptible to effects such as noise, dust, and air pollutants could be affected during construction
- Examples include schools, medical care facilities, elderly housing, libraries, parks, places of worship, marinas, fishing areas, other recreation areas and wildlife areas



Facilities Affected

- ☒ Intakes
- ☒ Tunnel- Launch
- ☐ Tunnel
- ☒ Tunnel- Retrieval
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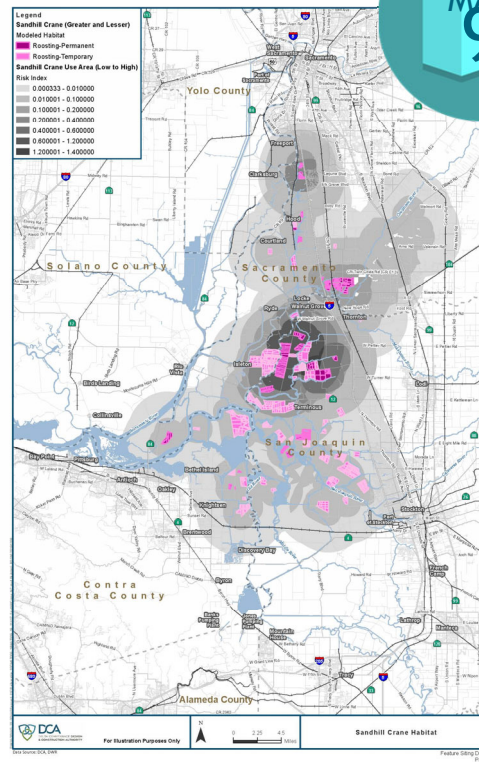
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Key Driver: Greater Sandhill Cranes

Importance

- Listed as threatened under the California Endangered Species Act
- Fully protected under the California Fish and Game Code



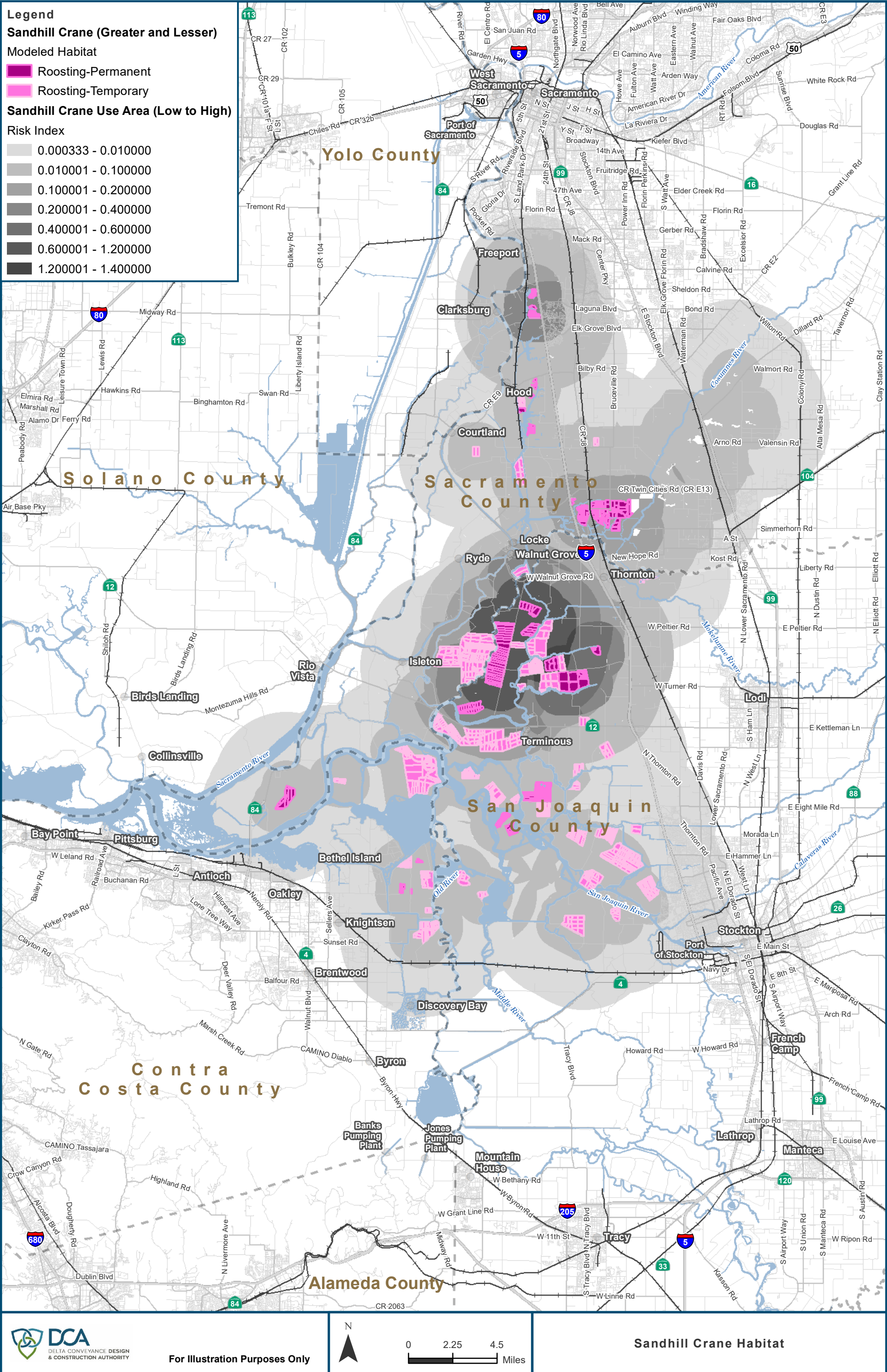
Facilities Affected

- ☒ Intakes
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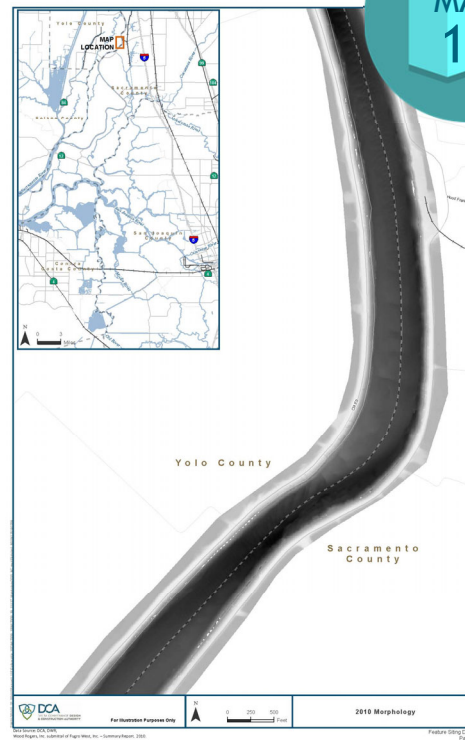
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Key Driver: River Geomorphology

Importance

- Only sections of the Sacramento River with suitable characteristics consistent with regulatory guidelines, such as those related to underwater depth, would be considered for intake sites



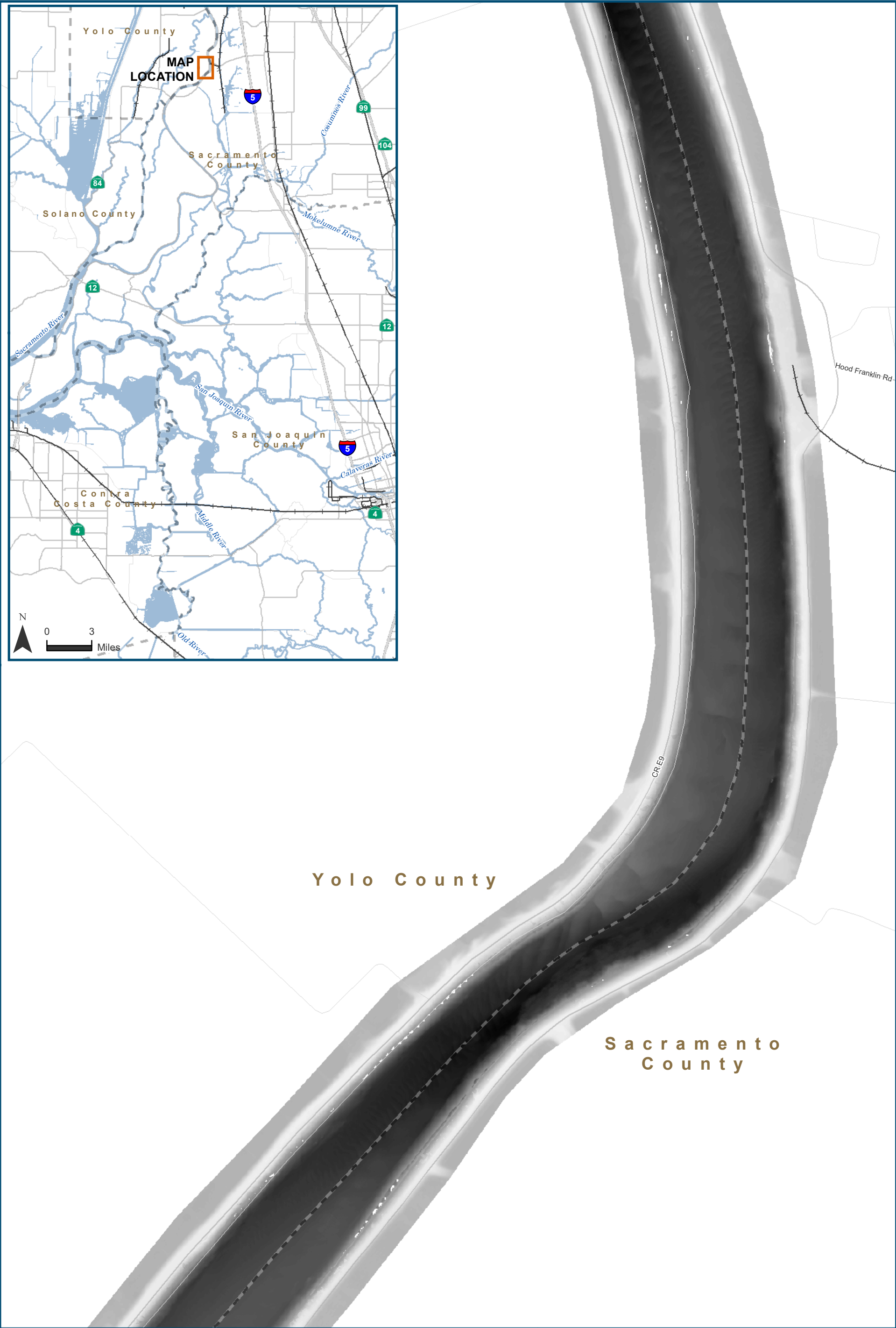
Facilities Affected

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0 250 500 Feet

2010 Morphology

Siting Drivers Summary Matrix

FACILITY	Soil Compressibility	Oil and Gas Wells	Access Routes	Power Supply	Land Use	Sensitive Receptors	Sandhill Cranes	River Geomorphology
Intakes								
Tunnel Shaft-Launch								
Tunnel								
Tunnel Shaft- Retrieval								
Intermediate Forebay								
Southern Forebay								
Pumping Plant								
South Delta Interconnection Conveyance								



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Clarifications?