Chapter 39
Description of Figures

39.1 Introduction

Descriptions of the figures presented in the Draft Environmental Impact Report for the Delta Conveyance Project (Draft EIR) and associated appendices are provided below. The California Department of Water Resources (DWR) is committed to making this EIR equally accessible for all reviewers; therefore, this Draft EIR was developed to comply with applicable accessibility laws. In furtherance of this objective and due to the complexity of certain maps, graphs, and other figures, descriptive text is included in this chapter specifically for readers who may benefit from descriptive text of figures but do not use assistive devices for screen reading. Descriptive text is not provided for graphs and figures where the same information is also provided in data tables. If you have difficulty accessing material in this Draft EIR, please contact us at accessibility@water.ca.gov. This chapter is not required by CEQA and is not used to support the findings in Chapters 7 through 32 of the EIR.

39.2 Executive Summary

Figure Number	Figure Title	Description of Figure
ES-1	Sacramento-San Joaquin Delta	Figure ES-1 shows a map of the Delta as far south as Lathrop and Manteca and as far north as West Sacramento.
ES-2	Delta Conveyance Alignment Alternatives	Figure ES-2 shows three different maps with the different components of each alternative highlighted, including (a) Central Alignment, (b) Eastern Alignment, and c) Bethany Reservoir Alignment

39.3 Chapter 1

Figure Number	Figure Title	Description of Figure
1-1	The Sacramento-San Joaquin Delta	Figure 1-1 shows a map of the Sacramento-San Joaquin Delta from West Sacramento down to Tracy.
1-2	Major Components of the SWP and CVP	Figure 1-2 shows the major components of the SWP and CVP, including facilities, reservoirs, canals, and aqueducts.
1-3	SWP and CVP Service Areas	Figure 1-3 shows a map of the Delta region, with the SWP, CVP, and Export service areas highlighted.
1-4	Project and Study Areas	Figure 1-4 shows a map of the Delta region with the Project and Study areas highlighted.
1-5	Upstream facilities -Sacramento River and Trinity System (CVP facilities)	Figure 1-5 shows a map of the Sacramento River and Trinity System CVP facilities upstream of the Delta Region, including CVP facilities (dams and pumps) and CVP canals and aqueducts.

Figure Number	Figure Title	Description of Figure
1-6	Upstream Facilities—Feather River System (SWP facilities)	Figure 1-6 shows a map of Feather River System SWP facilities upstream of the Delta Region, including SWP facilities (dams and pumps) and SWP canals and aqueducts.
1-7	Upstream Facilities—American River System (CVP facilities)	Figure 1-7 shows a map of the American River System CVP facilities upstream of the Delta Region, including CVP facilities (dams and pumps) and CVP canals and aqueducts.
1-8	Upstream Facilities—San Joaquin and Stanislaus River System (CVP facilities)	Figure 1-8 shows a map of the San Joaquin and Stanislaus River System CVP facilities upstream of the Delta Region, including CVP facilities (dams and pumps) and CVP canals and aqueducts.

39.3.1 Appendix 1A

No figures.

39.3.2 Appendix 1B

No figures.

39.4 Chapter 2

No figures.

39.5 Chapter 3

Figure Number	Figure Title	Description of Figure
3-1	Schematic of Delta Conveyance Project Facilities for the Bethany Reservoir Alignment (top) and Central and Eastern Alignment Alternatives (bottom). CVP facilities would be used with central and eastern alignment Alternatives 2a and 4a only.	Figure 3-1 shows the schematic of the project for the Bethany Reservoir Alignment (top) and Central and Eastern Alignment alternatives (bottom). CVP facilities would be used with central and eastern alignment Alternatives 2a and 4a only.
3-2	Alternative Alignments and Major Facilities	Figure 3-2 shows the alternative alignments, (Central, Eastern, and Bethany Reservoir) and respective major facilities, including shafts, intakes, and tunnels.
3-3	Typical Intake Configuration	Figure 3-3 shows a typical intake configuration where water would flow through cylindrical tee fish screens mounted on the intake structure to a sedimentation basin before reaching the intake outlet (tunnel inlet) shaft at each site.

Figure Number	Figure Title	Description of Figure
3-4	Schematic of Delta Conveyance Project Intake Facilities	Figure 3-4 shows the schematic of project intake facilities where water would flow through cylindrical tee fish screens mounted on the intake structure to a sedimentation basin before reaching the intake outlet (tunnel inlet) shaft at each site.
3-5	Cylindrical Tee Screen Facility	Figure 3-5 shows a cylindrical tee screen facility where the intake fish screens are part of an overall intake system that also includes solid panels, intake structure, guard rails, gantry crane, discharge pipes, control gates, and sedimentation basin outlet structure.
3-6	Schematic of Permanent and Temporary Levees	Figure 3-6 shows the schematic of permanent and temporary levees, which would include the temporary relocation and realignment of SR 160 at the intakes.
3-7	Key Components of a Tunnel Drive (6,000 cfs alternatives)	Figure 3-7 shows the key components of a tunnel drive, including use of tunnel boring machines and construction of tunnel shafts (launch, maintenance, and reception).
3-8	Twin Cities Double Launch Shaft Plan	Figure 3-8 shows the location of the double launch shaft at the Twin Cities Complex.
3-9	Typical Maintenance and Reception Shaft Site Postconstruction	Figure 3-9 shows the typical maintenance and reception shaft with an adjacent maintenance laydown and parking area.
3-10	Southern Forebay Inlet Structure Launch Shaft and Byron Tract Working Shaft Site	Figure 3-10 shows the major characteristics of the Southern Forebay Inlet Structure launch shaft and Byron Tract working shaft sites.
3-11	South Delta Pumping Plant Facilities	Figure 3-11 shows the major characteristics of the South Delta Pumping Plant Facilities.
3-12	Southern Complex West of Byron Highway (Alternatives 1, 2b, 2c, 3, 4b, 4c)	Figure 3-12 shows the major characteristics of the Southern Complex West of Byron Highway for Alternatives 1, 2b, 2c, 4b, and 4c.
3-13	Power Lines	Figure 3-13 shows power line construction for the Central, Eastern, and Bethany Reservoir alignments.
3-14	SCADA Fiber Routes	Figure 3-14 shows construction related to the SCADA system for the Central, Eastern, and Bethany Reservoir alignments.
3-15	Land Reclamation Areas Overview	Figure 3-15 shows areas included in the construction boundary and not included in the postconstruction (permanent) project operations boundary at the intakes, tunnel launch shaft sites, and Southern Complex or Bethany Complex that would undergo reclamation.
3-16	Potential Land Reclamation Areas	Figure 3-16 shows that lands to be reclaimed would be those areas used during construction.

Figure Number	Figure Title	Description of Figure
3-17	Project Schematic Central Alignment Alternatives	Figure 3-17 shows show project facilities and major construction features for the central alignment with 7,500 cfs conveyance capacity (Alternative 2a)
3-18	Road Modifications under Central Alignment Alternatives	Figure 3-18 shows shows roads specific to the central alignment alternatives.
3-19	Alternative 1 Construction Schedule	Figure 3-19 shows the construction schedule for Alternative 1.
3-20	Facilities to Serve Jones Pumping Plant	Figure 3-20 shows the major characteristics of the facilities to serve the Jones Pumping Plant.
3-21	Alternative 2a Construction Schedule	Figure 3-21 shows the construction schedule for Alternative 2a.
3-22	Alternative 2b Construction Schedule	Figure 3-22 shows the construction schedule for Alternative 2b.
3-23	Alternative 2c Construction Schedule	Figure 3-23 shows the construction schedule for Alternative 2c.
3-24	Project Schematic Eastern Alignment Alternatives	Figure 3-24 shows locations of project facilities and major construction features for the eastern alignment alternative with 7,500 cfs conveyance capacity (Alternative 4a)
3-25	Road Modifications under Eastern Alignment Alternatives	Figure 3-25 shows the access roads, road improvements, and park-and-rides, specific to the eastern alignment alternatives.
3-26	Alternative 3 Construction Schedule	Figure 3-26 shows the construction schedule for Alternative 3.
3-27	Alternative 4a Construction Schedule	Figure 3-27 shows the construction schedule for Alternative 4a.
3-28	Alternative 4b Construction Schedule	Figure 3-28 shows the construction schedule for Alternative 4b.
3-29	Alternative 4c Construction Schedule	Figure 3-29 shows the construction schedule for Alternative 4c.
3-30	Alternative 5 Bethany Reservoir Alignment Schematic	Figure 3-30 shows the locations of project facilities and major construction features for the Bethany Reservoir alignment.
3-31	Bethany Reservoir Pumping Plant and Surge Basin	Figure 3-31 shows the major characteristics of the Bethany Reservoir pumping plant and surge basin.
3-32	Bethany Reservoir Aqueduct Route with Tunnel Reaches	Figure 3-32 shows the major features of the Bethany Reservoir aqueduct route and tunnel reaches.
3-33	Typical Completed Section for Open Cut Reaches of Pipeline Alignment	Figure 3-33 shows the typical completed section for open cut reaches of pipeline alignment.
3-34	Bethany Reservoir Discharge Structure	Figure 3-34 shows the major features of the Bethany Reservoir discharge structure which includes aqueduct shafts, bulkhead gate storage, and radial gates.

Figure Number	Figure Title	Description of Figure
3-35	Road Modifications under the Bethany Reservoir Alignment	Figure 3-35 shows the roads, including access roads and park-and-rides, associated with Alternative 5.
3-36	Alternative 5 Construction Schedule	Figure 3-36 shows the construction schedule for Alternative 5.
Mapbook 3-1: Central Alignment/Index	Mapbook 3-1: Index Central Alignment	This figure shows the sheet index for major project features of the Central Alignment.
Mapbook 3-1: Central Alignment/Sheet 1	Mapbook 3-1: Sheet 1 of 24 Central Alignment	This figure shows the major project features of the Central Alignment between Freeport and Elliott Ranch Road.
Mapbook 3-1: Central Alignment/Sheet 2	Mapbook 3-1: Sheet 2 of 24 Central Alignment	This figure shows the major project features of the Central Alignment between Freeport and Merritt Island.
Mapbook 3-1: Central Alignment/Sheet 3	Mapbook 3-1: Sheet 3 of 24 Central Alignment	This figure shows the major project features of the Central Alignment between Clarksburg and Hood.
Mapbook 3-1: Central Alignment/Sheet 4	Mapbook 3-1: Sheet 4 of 24 Central Alignment	This figure shows the major project features of the Central Alignment between Hood Franklin Road and Glanville Tract.
Mapbook 3-1: Central Alignment/Sheet 5	Mapbook 3-1: Sheet 5 of 24 Central Alignment	This figure shows the major project features of the Central Alignment between Merritt Island and Glanville Tract.
Mapbook 3-1: Central Alignment/Sheet 6	Mapbook 3-1: Sheet 6 of 24 Central Alignment	This figure shows the major project features of the Central Alignment between Lambert Road and McCormack-Williamson Tract.
Mapbook 3-1: Central Alignment/Sheet 7	Mapbook 3-1: Sheet 7 of 24 Central Alignment	This figure shows the major project features of the Central Alignment between McCormack-Williamson Tract and Staten Island.
Mapbook 3-1: Central Alignment/Sheet 8	Mapbook 3-1: Sheet 8 of 24 Central Alignment	This figure shows the major project features of the Central Alignment between Tyler Island and Staten Island.
Mapbook 3-1: Central Alignment/Sheet 9	Mapbook 3-1: Sheet 9 of 24 Central Alignment	This figure shows the major project features of the Central Alignment between Ryer Island and Twitchell Island.
Mapbook 3-1: Central Alignment/Sheet 10	Mapbook 3-1: Sheet 10 of 24 Central Alignment	This figure shows the major project features of the Central Alignment between Tyler Island and Venice Island.

Figure Number	Figure Title	Description of Figure
Mapbook 3-1: Central Alignment/Sheet 11	Mapbook 3-1: Sheet 11 of 24 Central Alignment	This figure shows the major project features of the Central Alignment between Staten Island and Venice Island.
Mapbook 3-1: Central Alignment/Sheet 12	Mapbook 3-1: Sheet 12 of 24 Central Alignment	This figure shows the major project features of the Central Alignment between Terminous and King Island.
Mapbook 3-1: Central Alignment/Sheet 13	Mapbook 3-1: Sheet 13 of 24 Central Alignment	This figure shows the major project features of the Central Alignment between Terminous Tract and Bishop Tract.
Mapbook 3-1: Central Alignment/Sheet 14	Mapbook 3-1: Sheet 14 of 24 Central Alignment	This figure shows the major project features of the Central Alignment between State Highway 12 and Eight Mile Road.
Mapbook 3-1: Central Alignment/Sheet 15	Mapbook 3-1: Sheet 15 of 24 Central Alignment	This figure shows the major project features of the Central Alignment between Venice Island and Bacon Island.
Mapbook 3-1: Central Alignment/Sheet 16	Mapbook 3-1: Sheet 16 of 24 Central Alignment	This figure shows the major project features of the Central Alignment between Bacon Island and Upper Jones Tract.
Mapbook 3-1: Central Alignment/Sheet 17	Mapbook 3-1: Sheet 17 of 24 Central Alignment	This figure shows the major project features of the Central Alignment between Lower Roberts Island and Victoria Island.
Mapbook 3-1: Central Alignment/Sheet 18	Mapbook 3-1: Sheet 18 of 24 Central Alignment	This figure shows the major project features of the Central Alignment between Lower Roberts Island and Union Island.
Mapbook 3-1: Central Alignment/Sheet 19	Mapbook 3-1: Sheet 19 of 24 Central Alignment	This figure shows the major project features of the Central Alignment between Smith Tract and Henry Long Boulevard.
Mapbook 3-1: Central Alignment/Sheet 20	Mapbook 3-1: Sheet 20 of 24 Central Alignment	This figure shows the major project features of the Central Alignment between Brentwood and Taylor Lane.
Mapbook 3-1: Central Alignment/Sheet 21	Mapbook 3-1: Sheet 21 of 24 Central Alignment	This figure shows the major project features of the Central Alignment between State Highway 4 and Byron.
Mapbook 3-1: Central Alignment/Sheet 22	Mapbook 3-1: Sheet 22 of 24 Central Alignment	This figure shows the major project features of the Central Alignment between Woodward Island and Coney Island.

Figure Number	Figure Title	Description of Figure
Mapbook 3-1: Central Alignment/Sheet 23	Mapbook 3-1: Sheet 23 of 24 Central Alignment	This figure shows the major project features of the Central Alignment between Byron Tract and Christianson Road.
Mapbook 3-1: Central Alignment/Sheet 24	Mapbook 3-1: Sheet 24 of 24 Central Alignment	This figure shows the major project features of the Central Alignment between Coney Island and Mountain House.
Mapbook 3-2: Eastern Alignment/Index	Mapbook 3-2: Index Eastern Alignment	This figure shows the sheet index for major project features of the Eastern Alignment.
Mapbook 3-2: Eastern Alignment/Sheet 1	Mapbook 3-2: Sheet 1 of 21 Eastern Alignment	This figure shows the major project features of the Eastern Alignment between Freeport and Elliott Ranch Road.
Mapbook 3-2: Eastern Alignment/Sheet 2	Mapbook 3-2: Sheet 2 of 21 Eastern Alignment	This figure shows the major project features of the Eastern Alignment between Clarksburg and Hood.
Mapbook 3-2: Eastern Alignment/Sheet 3	Mapbook 3-2: Sheet 3 of 21 Eastern Alignment	This figure shows the major project features of the Eastern Alignment between Hood and Glanville Tract.
Mapbook 3-2: Eastern Alignment/Sheet 4	Mapbook 3-2: Sheet 4 of 21 Eastern Alignment	This figure shows the major project features of the Eastern Alignment between Hood Franklin Road and Glanville Tract.
Mapbook 3-2: Eastern Alignment/Sheet 5	Mapbook 3-2: Sheet 5 of 21 Eastern Alignment	This figure shows the major project features of the Eastern Alignment between Lambert Road and McCormack-Williamson Tract.
Mapbook 3-2: Eastern Alignment/Sheet 6	Mapbook 3-2: Sheet 6 of 21 Eastern Alignment	This figure shows the major project features of the Eastern Alignment between Consumnes River and Canal Ranch Tract.
Mapbook 3-2: Eastern Alignment/Sheet 7	Mapbook 3-2: Sheet 7 of 21 Eastern Alignment	This figure shows the major project features of the Eastern Alignment between Canal Ranch Tract and Terminous Tract.
Mapbook 3-2: Eastern Alignment/Sheet 8	Mapbook 3-2: Sheet 8 of 21 Eastern Alignment	This figure shows the major project features of the Eastern Alignment between Terminous Tract and Eight Mile Road.
Mapbook 3-2: Eastern Alignment/Sheet 9	Mapbook 3-2: Sheet 9 of 21 Eastern Alignment	This figure shows the major project features of the Eastern Alignment between State Highway 12 and Eight Mile Road.

Figure Number	Figure Title	Description of Figure
Mapbook 3-2: Eastern Alignment/Sheet 10	Mapbook 3-2: Sheet 10 of 21 Eastern Alignment	This figure shows the major project features of the Eastern Alignment between State Highway 12 and Morse Road.
Mapbook 3-2: Eastern Alignment/Sheet 11	Mapbook 3-2: Sheet 11 of 21 Eastern Alignment	This figure shows the major project features of the Eastern Alignment between King Island and Lower Roberts Island.
Mapbook 3-2: Eastern Alignment/Sheet 12	Mapbook 3-2: Sheet 12 of 21 Eastern Alignment	This figure shows the major project features of the Eastern Alignment between Lower Roberts Island and Drexler Tract.
Mapbook 3-2: Eastern Alignment/Sheet 13	Mapbook 3-2: Sheet 13 of 21 Eastern Alignment	This figure shows the major project features of the Eastern Alignment between Wright-Elmwood Tract and State Highway 4.
Mapbook 3-2: Eastern Alignment/Sheet 14	Mapbook 3-2: Sheet 14 of 21 Eastern Alignment	This figure shows the major project features of the Eastern Alignment between Port of Stockton and 8th Street.
Mapbook 3-2: Eastern Alignment/Sheet 15	Mapbook 3-2: Sheet 15 of 21 Eastern Alignment	This figure shows the major project features of the Eastern Alignment between McDonald Island and Woodward Island.
Mapbook 3-2: Eastern Alignment/Sheet 16	Mapbook 3-2: Sheet 16 of 21 Eastern Alignment	This figure shows the major project features of the Eastern Alignment between Brentwood and Byron.
Mapbook 3-2: Eastern Alignment/Sheet 17	Mapbook 3-2: Sheet 17 of 21 Eastern Alignment	This figure shows the major project features of the Eastern Alignment between State Highway 4 and Clifton Court Road.
Mapbook 3-2: Eastern Alignment/Sheet 18	Mapbook 3-2: Sheet 18 of 21 Eastern Alignment	This figure shows the major project features of the Eastern Alignment between Upper Jones Tract and Coney Island.
Mapbook 3-2: Eastern Alignment/Sheet 19	Mapbook 3-2: Sheet 19 of 21 Eastern Alignment	This figure shows the major project features of the Eastern Alignment between Byron Tract and California Aqueduct Bikeway.
Mapbook 3-2: Eastern Alignment/Sheet 20	Mapbook 3-2: Sheet 20 of 21 Eastern Alignment	This figure shows the major project features of the Eastern Alignment between Coney Island and Fabian Tract.
Mapbook 3-2: Eastern Alignment/Sheet 21	Mapbook 3-2: Sheet 21 of 21 Eastern Alignment	This figure shows the major project features of the Eastern Alignment between Union Island and Grant Line Road.

Figure Number	Figure Title	Description of Figure
Mapbook 3-3: Bethany Reservoir Alternative/Index	Mapbook 3-3: Index Bethany Reservoir Alternative	This figure shows the sheet index for major project features of the Bethany Reservoir Alternative.
Mapbook 3-3: Bethany Reservoir Alternative/Sheet 1	Mapbook 3-3: Sheet 1 of 20 Bethany Reservoir Alternative	This figure shows the major project features of the Bethany Reservoir Alternative between Freeport and Laguna Boulevard.
Mapbook 3-3: Bethany Reservoir Alternative/Sheet 2	Mapbook 3-3: Sheet 2 of 20 Bethany Reservoir Alternative	This figure shows the major project features of the Bethany Reservoir Alternative between Clarksburg and Merritt Island.
Mapbook 3-3: Bethany Reservoir Alternative/Sheet 3	Mapbook 3-3: Sheet 3 of 20 Bethany Reservoir Alternative	This figure shows the major project features of the Bethany Reservoir Alternative between Hood and Glanville Tract.
Mapbook 3-3: Bethany Reservoir Alternative/Sheet 4	Mapbook 3-3: Sheet 4 of 20 Bethany Reservoir Alternative	This figure shows the major project features of the Bethany Reservoir Alternative between Hood Franklin Road and Glanville Tract.
Mapbook 3-3: Bethany Reservoir Alternative/Sheet 5	Mapbook 3-3: Sheet 5 of 20 Bethany Reservoir Alternative	This figure shows the major project features of the Bethany Reservoir Alternative between Hood Franklin Road and Glanville Tract.
Mapbook 3-3: Bethany Reservoir Alternative/Sheet 6	Mapbook 3-3: Sheet 6 of 20 Bethany Reservoir Alternative	This figure shows the major project features of the Bethany Reservoir Alternative between Glanville Tract and New Hope Tract.
Mapbook 3-3: Bethany Reservoir Alternative/Sheet 7	Mapbook 3-3: Sheet 7 of 20 Bethany Reservoir Alternative	This figure shows the major project features of the Bethany Reservoir Alternative between Barber Road and Canal Ranch Tract.
Mapbook 3-3: Bethany Reservoir Alternative/Sheet 8	Mapbook 3-3: Sheet 8 of 20 Bethany Reservoir Alternative	This figure shows the major project features of the Bethany Reservoir Alternative between Canal Ranch Tract and Terminous Tract.
Mapbook 3-3: Bethany Reservoir Alternative/Sheet 9	Mapbook 3-3: Sheet 9 of 20 Bethany Reservoir Alternative	This figure shows the major project features of the Bethany Reservoir Alternative between Terminous Tract and Bishop Tract.

Figure Number	Figure Title	Description of Figure
Mapbook 3-3: Bethany Reservoir Alternative/Sheet 10	Mapbook 3-3: Sheet 10 of 20 Bethany Reservoir Alternative	This figure shows the major project features of the Bethany Reservoir Alternative between State Highway 12 and New Westin Lane.
Mapbook 3-3: Bethany Reservoir Alternative/Sheet 11	Mapbook 3-3: Sheet 11 of 20 Bethany Reservoir Alternative	This figure shows the major project features of the Bethany Reservoir Alternative between Terminous Tract and Shima Tract.
Mapbook 3-3: Bethany Reservoir Alternative/Sheet 12	Mapbook 3-3: Sheet 12 of 20 Bethany Reservoir Alternative	This figure shows the major project features of the Bethany Reservoir Alternative between Rindge Tract and Lower Roberts Island.
Mapbook 3-3: Bethany Reservoir Alternative/Sheet 13	Mapbook 3-3: Sheet 13 of 20 Bethany Reservoir Alternative	This figure shows the major project features of the Bethany Reservoir Alternative between Wright-Elmwood Tract and Middle Roberts Tract.
Mapbook 3-3: Bethany Reservoir Alternative/Sheet 14	Mapbook 3-3: Sheet 14 of 20 Bethany Reservoir Alternative	This figure shows the major project features of the Bethany Reservoir Alternative between Port of Stockton and Middle Roberts Island.
Mapbook 3-3: Bethany Reservoir Alternative/Sheet 15	Mapbook 3-3: Sheet 15 of 20 Bethany Reservoir Alternative	This figure shows the major project features of the Bethany Reservoir Alternative between Lower Roberts Island and Upper Jones Tract.
Mapbook 3-3: Bethany Reservoir Alternative/Sheet 16	Mapbook 3-3: Sheet 16 of 20 Bethany Reservoir Alternative	This figure shows the major project features of the Bethany Reservoir Alternative between Upper Jones Tract and Union Island.
Mapbook 3-3: Bethany Reservoir Alternative/Sheet 17	Mapbook 3-3: Sheet 17 of 20 Bethany Reservoir Alternative	This figure shows the major project features of the Bethany Reservoir Alternative between Byron and Herdlyn Road.
Mapbook 3-3: Bethany Reservoir Alternative/Sheet 18	Mapbook 3-3: Sheet 18 of 20 Bethany Reservoir Alternative	This figure shows the major project features of the Bethany Reservoir Alternative between Coney Island and West Byron Road.

Figure Number	Figure Title	Description of Figure
Mapbook 3-3: Bethany Reservoir Alternative/Sheet 19	Mapbook 3-3: Sheet 19 of 20 Bethany Reservoir Alternative	This figure shows the major project features of the Bethany Reservoir Alternative between Union Island and Fabian Tract.
Mapbook 3-3: Bethany Reservoir Alternative/Sheet 20	Mapbook 3-3: Sheet 20 of 20 Bethany Reservoir Alternative	This figure shows the major project features of the Bethany Reservoir Alternative between Herdlyn Road and Midway Road.

39.5.1 Appendix 3A

No figures.

39.5.2 Appendix 3B

No figures.

39.5.3 Appendix 3C

No figures.

39.5.4 Appendix 3D

No figures.

39.5.5 Appendix 3E

No figures.

39.5.6 Appendix 3F

Figure Number	Figure Title	Description of Figure
3F-1	Mitigation Site location	Figure 3F-1 shows the location of proposed mitigation sites for several aquatic resources.
3F-2	Watershed Boundaries	Figure 3F-2 shows the hydrologic unit codes 8 and 10 watersheds that the project occurs within along with the location of mitigation sites in relation to project components.
3F-3	Emergent and Forested Wetland Habitat on Bouldin Island	Figure 3F-3 shows a photograph of the emergent and forested wetland habitat on Boudin Island.
3F-4	Emergent Scrub Shrub and Seasonal Wetland Habitat on Bouldin Island	Figure 3F-4 shows a photograph of the emergent, scrub shrub, and season wetland habitat on Bouldin Island.

Figure Number	Figure Title	Description of Figure
3F-5	Bouldin Island Existing Conditions with Central Alignment	Figure 3F-5 shows the existing land cover types at Bouldin Island.
3F-6	Bouldin Island Conceptual Design	Figure 3F-6 shows the conceptual plans, including land cover, at mitigation sites
3F-7	Bouldin Island Conceptual Section	Figure 3F-7 shows a cross-section of a mitigation site.
3F-8	DWR I-5 Ponds, Pond 6 Existing Land Cover	Figure 3F-8 shows the existing land cover at Pond 6.
3F-9	DWR I-5 Ponds, Pond 7 and 8 Existing Landcover	Figure 3F-9 shows the existing land cover at Pond 7 and 8.
3F-10	DWR I-5 Ponds, Pond 6 Conceptual Design	Figure 3F-10 shows the conceptual restoration plans for Pond 6.
3F-11	DWR I-5 Ponds, Pond 7 and 8 Conceptual Design	Figure 3F-11 shows the conceptual restoration plan for Pond 7 and 8.
3F-12	DWR I-5 Ponds, Pond 7 Conceptual Section	Figure 3F-12 shows a schematic cross-section of the Pond 7 conceptual plan.
3F-13	Channel Margin No Setback Levee	Figure 3F-13 provides a conceptual design for channel margin habitat creation with no setback levee.
3F-14	Channel Margin Setback Levee	Figure 3F-14 shows a design for sites needing a setback levee.
3F-15	Tidal Wetland Unsubsided	Figure 3F-15 shows a conceptual design for tidal wetland creation at unsubsided sites.
3F-16	Tidal Wetland Subsided	Figure 3F-16 shows a conceptual design for tidal wetland creation at subsided sites.

39.5.7 Appendix 3G

Figure Number	Figure Title	Description of Figure
3G-1	Complementary Processes to Address Effects on Communities	Figure 3G-1 shows the Community Benefits Program for the Delta Conveyance Project is one of three distinct, but complementary processes intended to address effects within the local communities - including Regulatory Mitigation, Community Benefits Program, and Ombudsman Program.
3G-2	General Process for Development of Community Benefits Program	Figure 3G-2 shows the next steps in development of the Community Benefits Program including continued information sharing and education on the possibilities of the specific components of the Community Benefits Program

39.5.8 Appendix 3H

Figure Number	Figure Title	Description of Figure
3H-1	Available Clifton Court Capacity during Historical Below Normal Water Years (2010–2020)	Figure 3H-1 shows the available export capacity for Clifton Court, showing that export capacity is not the limiting factor during the historical BN water years even after water transfers were exported.

39.5.9 Appendix 3I

No figures.

39.5.10 Appendix 3J

No figures.

39.6 Chapter 4

No figures.

39.6.1 Appendix 4A

No figures.

39.6.2 Appendix 4B

Figure Number	Figure Title	Description of Figure
4B-1	Total Delta Exports (EXPORTACTUALTD + EXPORTACTUALIF), Monthly Average Exports (thousand acre-feet), Existing Conditions, Alternative 5, and Alternative 5 NDD Priority	Figure 4B-1 shows Total Delta Exports, Monthly Average Exports (thousand acre-feet), Existing Conditions, Alternative 5, and Alternative 5 NDD Priority
4B-2	Sacramento River Flow at Hood (Below the NDD) (C_SAC041), Monthly Average Flows (cubic feet per second), Existing Conditions, Alternative 5, and Alternative 5 NDD Priority	Figure 4B-2 shows the Sacramento River Flow at Hood (Below the NDD) (C_SAC041), Monthly Average Flows (cubic feet per second), Existing Conditions, Alternative 5, and Alternative 5 NDD Priority.
4B-3	Delta Outflow (NDOI), Monthly Average Flows (cubic feet per second), Existing Conditions, Alternative 5, and Alternative 5 NDD Priority	Figure 4B-3 shows the Delta Outflow (NDOI), Monthly Average Flows (cubic feet per second), Existing Conditions, Alternative 5, and Alternative 5 NDD Priority.

Figure Number	Figure Title	Description of Figure
4B-4	X2 Position (X2_PRV), Monthly Average Position (kilometers), Existing Conditions, Alternative 5, and Alternative 5 NDD Priority	Figure 4B-4 shows the X2 Position (X2_PRV), Monthly Average Position (kilometers), Existing Conditions, Alternative 5, and Alternative 5 NDD Priority.
4B-5	Old and Middle River Flow (C_OMR014), Monthly Average Flows (cubic feet per second), Existing Conditions, Alternative 5, and Alternative 5 NDD Priority	Figure 4B-5 shows the Old and Middle River Flow (C_OMR014), Monthly Average Flows (cubic feet per second), Existing Conditions, Alternative 5, and Alternative 5 NDD Priority.
4B-6	Long-Term Monthly Average Water Quality (EC) at Sacramento River at Emmaton	Figure 4B-6 shows the Long-Term Monthly Average Water Quality (Electrical Conductivity) at Sacramento River at Emmaton.
4B-7	Long-Term Monthly Average Water Quality (EC) at San Joaquin River at Jersey Point	Figure 4B-7 shows the Long-Term Monthly Average Water Quality (Electrical Conductivity) at San Joaquin River at Jersey Point.
4B-8	Long Term Monthly Average Water Quality (EC) at Old River at Rock Slough	Figure 4B-8 shows the Long Term Monthly Average Water Quality (Electrical Conductivity) at Old River at Rock Slough.
4B-9	Probability of Exceedance of Daily Average EC at Sacramento River at Emmaton	Figure 4B-9 shows the Probability of Exceedance of Daily Average Electrical Conductivity at Sacramento River at Emmaton.
4B-10	Probability of Exceedance of Daily Average EC at San Joaquin River at Jersey Point	Figure 4B-10 shows the Probability of Exceedance of Daily Average Electrical Conductivity at San Joaquin River at Jersey Point.
4B-11	Probability of Exceedance of Daily Average EC at Old River at Rock Slough	Figure 4B-11 shows the Probability of Exceedance of Daily Average Electrical Conductivity at Old River at Rock Slough.

39.6.3 Appendix 4C

Figure Number	Figure Title	Description of Figure
4C-1	Oroville End-of-Month Storage Exceedance Probability for Monthly Average End-of-Month Storage (thousand acre-feet) for May	This figure shows Oroville End-of-Month Storage Exceedance Probability for Monthly Average End-of-Month Storage (thousand acre-feet) for May.
4C-2	Oroville End-of-Month Storage (S_OROVL), Exceedance Probability for Monthly Average End-of-Month Storage (thousand acre-feet) for September, Existing Conditions and Alternative 5 Compared to Alternate Regulatory Scenarios (2020)	This figure shows Oroville End-of-Month Storage, Exceedance Probability for Monthly Average End-of-Month Storage (thousand acre-feet) for September.

Figure Number	Figure Title	Description of Figure
4C-3	Shasta End-of-Month Storage (S_SHSTA), Exceedance Probability for Monthly Average End-of-Month Storage (thousand acre-feet) for May, Existing Conditions and Alternative 5 Compared to Alternate Regulatory Scenarios (2020)	This figure shows Shasta End-of-Month Storage, Exceedance Probability for Monthly Average End-of-Month Storage (thousand acre-feet) for May.
4C-4	Shasta End-of-Month Storage (S_SHSTA), Exceedance Probability for Monthly Average End-of-Month Storage (thousand acre-feet) for September, Existing Conditions and Alternative 5 Compared to Alternate Regulatory Scenarios (2020)	This figure shows Shasta End-of-Month Storage, Exceedance Probability for Monthly Average End-of-Month Storage (thousand acre-feet) for September.
4C-5	Trinity End-of-Month Storage (S_TRNTY), Exceedance Probability for Monthly Average End-of-Month Storage (thousand acre-feet) for May, Existing Conditions and Alternative 5 Compared to Alternate Regulatory Scenarios (2020)	This figure shows Trinity End-of-Month Storage, Exceedance Probability for Monthly Average End-of-Month Storage (thousand acre-feet) for May.
4C-6	Trinity End-of-Month Storage (S_TRNTY), Exceedance Probability for Monthly Average End-of-Month Storage (thousand acre-feet) for September, Existing Conditions and Alternative 5 (2020)	This figure shows Trinity End-of-Month Storage, Exceedance Probability for Monthly Average End-of-Month Storage (thousand acre-feet) for September.
4C-7	Folsom End-of-Month Storage (S_FOLSM), Exceedance Probability for Monthly Average End-of-Month Storage (thousand acre-feet) for May, Existing Conditions and Alternative 5 Compared to Alternate Regulatory Scenarios (2020)	This figure shows Folsom End-of-Month Storage, Exceedance Probability for Monthly Average End-of-Month Storage (thousand acre-feet) for May.

Figure Number	Figure Title	Description of Figure
4C-8	Folsom End-of-Month Storage (S_FOLSM), Exceedance Probability for Monthly Average End-of-Month Storage (thousand acre-feet) for September, Existing Conditions and Alternative 5 Compared to Alternate Regulatory Scenarios (2020)	This figure shows Folsom End-of-Month Storage, Exceedance Probability for Monthly Average End-of-Month Storage (thousand acre-feet) for September.
4C-9	Sacramento River at Keswick (C_KSWCK), Monthly Average Flow (cubic feet per second), Existing Conditions and Alternative 5 Compared to Alternate Regulatory Scenarios (2020)	This figure shows Sacramento River at Keswick, Monthly Average Flow (cubic feet per second).
4C-10	Feather River at Thermalito (C_FTR059), Monthly Average Flow (cubic feet per second), Existing Conditions and Alternative 5 Compared to Alternate Regulatory Scenarios (2020)	This figure shows Feather River at Thermalito, Monthly Average Flow (cubic feet per second).
4C-11	American River at Nimbus (C_NTOMA), Monthly Average Flow (cubic feet per second), Existing Conditions and Alternative 5 Compared to Alternate Regulatory Scenarios (2020)	This figure shows American River at Nimbus, Monthly Average Flow (cubic feet per second).
4C-12	Sacramento River at Freeport (C_SAC048), Monthly Average Flow (cubic feet per second), Existing Conditions and Alternative 5 Compared to Alternate Regulatory Scenarios (2020)	This figure shows Sacramento River at Freeport, Monthly Average Flow (cubic feet per second).
4C-13	Yolo Bypass at Delta (C_YBP020), Monthly Average Flow (cubic feet per second), Existing Conditions and Alternative 5 Compared to Alternate Regulatory Scenarios (2020)	This figure shows Yolo Bypass at Delta, Monthly Average Flow (cubic feet per second).

Figure Number	Figure Title	Description of Figure
4C-14	San Joaquin River at Vernalis (C_SJR070), Monthly Average Flow (cubic feet per second), Existing Conditions and Alternative 5 Compared to Alternate Regulatory Scenarios (2020)	This figure shows San Joaquin River at Vernalis, Monthly Average Flow (cubic feet per second).
4C-15	Sacramento River Downstream of NDD (C_SAC041), Monthly Average Flow (cubic feet per second), Existing Conditions and Alternative 5 Compared to Alternate Regulatory Scenarios (2020)	This figure shows Sacramento River Downstream of NDD, Monthly Average Flow (cubic feet per second).
4C-16	Delta Outflow (NDOI), Monthly Average Flow (cubic feet per second), Existing Conditions and Alternative 5 Compared to Alternate Regulatory Scenarios (2020)	This figure shows Delta Outflow, Monthly Average Flow (cubic feet per second).
4C-17	X2 Position (X2_PRV), Monthly Average Position (kilometers), Existing Conditions and Alternative 5 Compared to Alternate Regulatory Scenarios (2020)	This figure shows X2 Position, Monthly Average Position (kilometers).
4C-18	Combined Old and Middle River (C_OMR014), Monthly Average Flow (cubic feet per second), Existing Conditions and Alternative 5 Compared to Alternate Regulatory Scenarios (2020)	This figure shows Combined Old and Middle River, Monthly Average Flow (cubic feet per second).
4C-19	Total Delta Exports (EXPORTACTUALTD + EXPORTACTUALIF), Monthly Average Exports (thousand acre-feet), Existing Conditions and Alternative 5 Compared to Alternate Regulatory Scenarios (2020)	This figure shows Total Delta Exports, Monthly Average Exports (thousand acre-feet).
4C-20	NDD Delta Exports (EXPORTACTUALIF), Exceedance Probability for Annual Water Year Exports (thousand acre-feet), Existing Conditions and Alternative 5 Compared to Alternate Regulatory Scenarios (2020)	This figure shows NDD Delta Exports, Exceedance Probability for Annual Water Year Exports (thousand acre-feet).

Figure Number	Figure Title	Description of Figure
4C-21	Long-Term Monthly Average Water Quality (EC) at Sacramento River at Emmaton	This figure shows Long-Term Monthly Average Water Quality at Sacramento River at Emmaton.
4C-22	Long-Term Monthly Average Water Quality (EC) at San Joaquin River at Jersey Point	This figure shows Long-Term Monthly Average Water Quality at San Joaquin River at Jersey Point.
4C-23	Long-Term Monthly Average Water Quality (EC) at Old River at Rock Slough	This figure shows Long-Term Monthly Average Water Quality at Old River at Rock Slough.
4C-24	Probability of Exceedance of Daily Average EC at Sacramento River at Emmaton	This figure shows Probability of Exceedance of Daily Average EC at Sacramento River at Emmaton.
4C-25	Probability of Exceedance of Daily Average EC at San Joaquin River at Jersey Point	This figure shows Probability of Exceedance of Daily Average EC at San Joaquin River at Jersey Point.
4C-26	Probability of Exceedance of Daily Average EC at Old River at Rock Slough	This figure shows Probability of Exceedance of Daily Average EC at Old River at Rock Slough.
4C.1-1a through 4C.1-1f	Sacramento River Flow Downstream of NDD (C_SAC041) for Water Years	These figures show Sacramento River Flow Downstream of NDD for Water Years.
4C.1-2a through 4C.1-2f	Delta Outflow (NDOI) for Water Years	These figures show Delta Outflow for Water Years.
4C.1-3a through 4C.1-3f	X2 Position (X2 PRV) for Water Years	These figures show X2 Position for Water Years.
4C.1-4a through 4C.1-4f	OMR Flows (C_OMR014) for Water Years	These figures show OMR Flows for Water Years.
4C.1-5a through 4C.1-5f	Total Exports (EXPORTACTUALTD + EXPORTACTUALIF) for Water Years	These figures show Total Exports for Water Years.
4C.1-6a through 4C.1-6f	South Delta Exports (EXPORTACTUALTD) for Water Years	These figures show South Delta Exports for Water Years.
4C.1-7a through 4C.1-7f	North Delta Exports (EXPORTACTUALIF) for Water Years	These figures show North Delta Exports for Water Years.

39.7 Chapter 5

Figure Number	Figure Title	Description of Figure
5-1	Sacramento River Basin in the Study Area and Major Surface Water Facilities	Figure 5-1 displays that the Sacramento River receives contributing flows from numerous major and minor streams and rivers that drain the east and west sides of the basin, including creeks upstream of the confluence which flow into the Yolo Bypass and Cache Slough complex prior to entering the Sacramento River upstream of Rio Vista.
5-2	San Joaquin Valley Watersheds and Major Surface Water Facilities	Figure 5-2 shows that the San Joaquin River originates in the Sierra Nevada and then flows west into the San Joaquin Valley through Millerton Lake at Friant in Fresno County.
5-3	Percent Change in the Long-Term Average of Monthly Flows Under the No Project Alternative Relative to Existing Conditions at Select Locations	Figure 5-3 shows the percent change in the long-term average monthly flows between the No Project Alternative and existing conditions at select locations in the Sacramento River Basin.
5-4	Percent Change in the Long-Term Average of Monthly Flows Under the Project Alternatives Relative to Existing Conditions at Select Locations	Figure 5-4 shows the Percent Change in the Long-Term Average of Monthly Flows Under the Project Alternatives Relative to Existing Conditions at Select Locations.

39.7.1 Appendix 5A

Appendix 5A provides the modeling output results used in Chapters 5-32 of the EIR. Tabular data and figures are included in Appendix 5A. The figures listed below include discreet descriptions not provided tabularly. If you need accessibility assistance with the figures in this appendix, please contact accessibility@water.ca.gov or (916) 653-6192.

Figure Number	Figure Title	Description of Figure
5A-A.1	Modeling Framework Used to Assess Impacts of the Proposed Project and Project Alternatives	To provide a holistic assessment of regional and local project effects, model inputs and outputs were linked through a multi-objective and multi-model framework. Figure 5A-A.1 depicts this modeling framework, highlighting the primary models and flow of data and information between them.
5A-B.1	Water Budget Areas in Sacramento River Hydrologic Region	This figure shows the CalSim3 water budget areas in the Sacramento River Hydrologic Region.
5A-B.2	Water Budget Areas in San Joaquin River Hydrologic Region	This figure shows the CalSim3 water budget areas in the San Joaquin River Hydrologic Region.
5A-B.3	Example Year Daily Patterns and Operation of the North Delta Intakes	This figure shows an example year daily patterns and operation of the North Delta intakes.

Figure Number	Figure Title	Description of Figure
5A-B.4	Monthly Averaged and Daily Averaged Flow for Sacramento River at Freeport	This figure shows a comparison of observed monthly averaged Sacramento River flow at Freeport and corresponding daily flow as an example, showing that the daily flow exhibits significant variability around the monthly mean in the winter and spring period while remaining fairly constant in summer and fall months.
5A-B.5	Mean Daily Flows by Water Year Type for Sacramento River at Freeport	This figure shows the daily historical Sacramento River flow patterns at Freeport averaged by water year type, showing that daily variability is significant in the winter-spring while the summer flows are relatively constant in most water year types. Individual water years may show even more variability.
5A-C.1	Hydrodynamic and Water Quality Boundary Conditions in DSM2	Figure 5A-C.1 illustrates the hydrodynamic and water quality boundary conditions required in DSM2.
5A-C.2	Particle Release and Tracking Locations	Figure 5A-C.2 shows particle-flux tracking at key exit locations—south Delta exports (CVP Jones Pumping Plant, SWP Clifton Court Forebay), north Delta intakes, North Bay Aqueduct, past Martinez, and particles remaining in the Delta channels and at several internal tracking locations.
5A-C.3	DSM2 Schematics Used to Determine the Residence Time for a Defined Zone within the Delta	Figure 5A-C.3 shows the DSM2 representation of a portion of the Delta being analyzed for changes in residence time.
5A-D1.1.19.	American River Above Confluence, Temperature Box and Whisker Plot (degree Fahrenheit) for Full Simulation Period, Alternative 2b/4b (2020) and Alternative 2c/4c (2020) versus Existing Conditions	This figure shows two box-and-whisker plots of the monthly averaged water temperature results for the American River above confluence for the full simulation period under the No Action Alternative (existing condition 2020) and the Proposed Action at 2020 for each month for each water year type. All the values are plotted with probability of exceedance on the x-axis and the value of the parameter on the y-axis. The top plot compares existing to Proposed Action alternatives 2b and 4b. The bottom plot compares existing to Proposed Action alternatives 2c and 4c.
5A-D1.1.20.	American River Above Confluence, Temperature Box and Whisker Plot (degree Fahrenheit) for Full Simulation Period, Alternative 1/3 (2020) and Alternative 2a/4a (2020) versus Existing Conditions	This figure shows two box-and-whisker plots of the monthly averaged water temperature results for the American River above confluence for the full simulation period under the No Action Alternative (existing condition 2020) and the Proposed Action at 2020 for each month for each water year type. All the values are plotted with probability of exceedance on the x-axis and the value of the parameter on the y-axis. The top plot compares existing to Proposed Action alternatives 1 and 3. The bottom plot compares existing to Proposed Action alternatives 2a and 4a.

Figure Number	Figure Title	Description of Figure
5A-D1.1.21.	American River Above Confluence, Temperature Box and Whisker Plot (degree Fahrenheit) for Full Simulation Period, Alternative 5 (2020) vs Existing Conditions	This figure shows a box-and-whisker plot of the monthly averaged water temperature results for the American River above confluence for the full simulation period under the No Action Alternative (existing condition 2020) and the Proposed Action at 2020 for each month for each water year type, for Alternative 5. All the values are plotted with probability of exceedance on the x-axis and the value of the parameter on the y-axis.
5A-D1.1.22.	American River Above Confluence, Temperature Box and Whisker Plot (degree Fahrenheit) for Wet Water Years, Alternative 2b/4b (2020) and Alternative 2c/4c (2020) vs Existing Conditions	This figure shows two box-and-whisker plots of the monthly averaged water temperature results for the American River above confluence for wet water years under the No Action Alternative (existing condition 2020) and the Proposed Action at 2020 for each month. All the values are plotted with probability of exceedance on the x-axis and the value of the parameter on the y-axis. The top plot compares existing to Proposed Action alternatives 2b and 4b. The bottom plot compares existing to Proposed Action alternatives 2c and 4c.
5A-D1.1.23.	American River Above Confluence, Temperature Box and Whisker Plot (degree Fahrenheit) for Wet Water Years, Alternative 1/3 (2020) and Alternative 2a/4a (2020) vs Existing Conditions	This figure shows two box-and-whisker plots of the monthly averaged water temperature results for the American River above confluence for wet water years under the No Action Alternative (existing condition 2020) and the Proposed Action at 2020 for each month. All the values are plotted with probability of exceedance on the x-axis and the value of the parameter on the y-axis. The top plot compares existing to Proposed Action alternatives 1 and 3. The bottom plot compares existing to Proposed Action alternatives 2a and 4a.
5A-D1.1.24.	American River Above Confluence, Temperature Box and Whisker Plot (degree Fahrenheit) for Wet Years, Alternative 5 (2020) vs Existing Conditions	This figure shows a box-and-whisker plot of the monthly averaged water temperature results for the American River above confluence for wet water years under the No Action Alternative (existing condition 2020) and the Proposed Action at 2020 for each month under Alternative 5. All the values are plotted with probability of exceedance on the x-axis and the value of the parameter on the y-axis.
5A-D1.1.25.	American River Above Confluence, Temperature Box and Whisker Plot (degree Fahrenheit) for Above Normal Water Years, Alternative 2b/4b (2020) and Alternative 2c/4c (2020) vs Existing Conditions	This figure shows two box-and-whisker plots of the monthly averaged water temperature results for the American River above confluence for above normal water years under the No Action Alternative (existing condition 2020) and the Proposed Action at 2020 for each month. All the values are plotted with probability of exceedance on the x-axis and the value of the parameter on the y-axis. The top plot compares existing to Proposed Action alternatives 2b and 4b. The bottom plot compares existing to Proposed Action alternatives 2c and 4c.

Figure Number	Figure Title	Description of Figure
5A-D1.1.26.	American River Above Confluence, Temperature Box and Whisker Plot (degree Fahrenheit) for Above Normal Water Years, Alternative 1/3 (2020) and Alternative 2a/4a (2020) vs Existing Conditions	This figure shows two box-and-whisker plots of the monthly averaged water temperature results for the American River above confluence for above normal water years under the No Action Alternative (existing condition 2020) and the Proposed Action at 2020 for each month. All the values are plotted with probability of exceedance on the x-axis and the value of the parameter on the y-axis. The top plot compares existing to Proposed Action alternatives 1 and 3. The bottom plot compares existing to Proposed Action alternatives 2a and 4a.
5A-D1.1.27.	American River Above Confluence, Temperature Box and Whisker Plot (degree Fahrenheit) for Above Normal Water Years, Alternative 5 (2020) vs Existing Conditions	This figure shows a box-and-whisker plot of the monthly averaged water temperature results for the American River above confluence for above normal water years under the No Action Alternative (existing condition 2020) and the Proposed Action at 2020 for each month for Alternative 5. All the values are plotted with probability of exceedance on the x-axis and the value of the parameter on the y-axis.
5A-D1.1.28.	American River Above Confluence, Temperature Box and Whisker Plot (degree Fahrenheit) for Below Normal Water Years, Alternative 2b/4b (2020) and Alternative 2c/4c (2020) vs Existing Conditions	This figure shows two box-and-whisker plots of the monthly averaged water temperature results for the American River above confluence for below normal water years under the No Action Alternative (existing condition 2020) and the Proposed Action at 2020 for each month. All the values are plotted with probability of exceedance on the x-axis and the value of the parameter on the y-axis. The top plot compares existing to Proposed Action alternatives 2b and 4b. The bottom plot compares existing to Proposed Action alternatives 2c and 4c.
5A-D1.1.29.	American River Above Confluence, Temperature Box and Whisker Plot (degree Fahrenheit) for Below Normal Water Years, Alternative 1/3 (2020) and Alternative 2a/4a (2020) vs Existing Conditions	This figure shows two box-and-whisker plots of the monthly averaged water temperature results for the American River above confluence for below normal water years under the No Action Alternative (existing condition 2020) and the Proposed Action at 2020 for each month. All the values are plotted with probability of exceedance on the x-axis and the value of the parameter on the y-axis. The top plot compares existing to Proposed Action alternatives 1 and 3. The bottom plot compares existing to Proposed Action alternatives 2a and 4a.
5A-D1.1.30.	American River Above Confluence, Temperature Box and Whisker Plot (degree Fahrenheit) for Below Normal Water Years, Alternative 5 (2020) vs Existing Conditions	This figure shows a box-and-whisker plot of the monthly averaged water temperature results for the American River above confluence for below normal water years under the No Action Alternative (existing condition 2020) and the Proposed Action at 2020 for each month for Alternative 5. All the values are plotted with probability of exceedance on the x-axis and the value of the parameter on the y-axis.

Figure Number	Figure Title	Description of Figure
5A-D1.1.31.	American River Above Confluence, Temperature Box and Whisker Plot (degree Fahrenheit) for Dry Water Years, Alternative 2b/4b (2020) and Alternative 2c/4c (2020) vs Existing Conditions	This figure shows two box-and-whisker plots of the monthly averaged water temperature results for the American River above confluence for dry water years under the No Action Alternative (existing condition 2020) and the Proposed Action at 2020 for each month. All the values are plotted with probability of exceedance on the x-axis and the value of the parameter on the y-axis. The top plot compares existing to Proposed Action alternatives 2b and 4b. The bottom plot compares existing to Proposed Action alternatives 2c and 4c.
5A-D1.1.32.	American River Above Confluence, Temperature Box and Whisker Plot (degree Fahrenheit) for Dry Water Years, Alternative 1/3 (2020) and Alternative 2a/4a (2020) vs Existing Conditions	This figure shows two box-and-whisker plots of the monthly averaged water temperature results for the American River above confluence for dry water years under the No Action Alternative (existing condition 2020) and the Proposed Action at 2020 for each month. All the values are plotted with probability of exceedance on the x-axis and the value of the parameter on the y-axis. The top plot compares existing to Proposed Action alternatives 1 and 3. The bottom plot compares existing to Proposed Action alternatives 2a and 4a.
5A-D1.1.33.	American River Above Confluence, Temperature Box and Whisker Plot (degree Fahrenheit) for Dry Water Years, Alternative 5 (2020) vs Existing Conditions	This figure shows a box-and-whisker plot of the monthly averaged water temperature results for the American River above confluence for dry water years under the No Action Alternative (existing condition 2020) and the Proposed Action at 2020 for each month for Alternative 5. All the values are plotted with probability of exceedance on the x-axis and the value of the parameter on the y-axis.
5A-D1.1.34.	American River Above Confluence, Temperature Box and Whisker Plot (degree Fahrenheit) for Critical Water Years, Alternative 2b/4b (2020) and Alternative 2c/4c (2020) vs Existing Conditions	This figure shows two box-and-whisker plots of the monthly averaged water temperature results for the American River above confluence for critical water years under the No Action Alternative (existing condition 2020) and the Proposed Action at 2020 for each month. All the values are plotted with probability of exceedance on the x-axis and the value of the parameter on the y-axis. The top plot compares existing to Proposed Action alternatives 2b and 4b. The bottom plot compares existing to Proposed Action alternatives 2c and 4c.
5A-D1.1.35.	American River Above Confluence, Temperature Box and Whisker Plot (degree Fahrenheit) for Critical Water Years, Alternative 1/3 (2020) and Alternative 2a/4a (2020) vs Existing Conditions	This figure shows two box-and-whisker plots of the monthly averaged water temperature results for the American River above confluence for critical water years under the No Action Alternative (existing condition 2020) and the Proposed Action at 2020 for each month. All the values are plotted with probability of exceedance on the x-axis and the value of the parameter on the y-axis. The top plot compares existing to Proposed Action alternatives 1 and 3. The bottom plot compares existing to Proposed Action alternatives 2a and 4a.

Figure Number	Figure Title	Description of Figure
5A-D1.1.36.	American River Above Confluence, Temperature Box and Whisker Plot (degree Fahrenheit) for Critical Water Years, Alternative 5 (2020) vs Existing Conditions	This figure shows a box-and-whisker plot of the monthly averaged water temperature results for the American River above confluence for critical water years under the No Action Alternative (existing condition 2020) and the Proposed Action at 2020 for each month for Alternative 5. All the values are plotted with probability of exceedance on the x-axis and the value of the parameter on the y-axis.
5A-D1.1.37-A.	American River Above Confluence, Exceedance Probabilities for Monthly Average Temperature (degree Fahrenheit), Existing Condition	This figure consists of three graphs showing monthly average temperature exceedance probabilities for all alternatives under the existing condition on separate graphs for October, November, and December. The data presented in this figure is also presented in tabular form. If you have difficulty accessing this information, please contact us at accessibility@water.ca.gov or (916) 653-6192.
5A-D1.1.37-B.	American River Above Confluence, Exceedance Probabilities for Monthly Average Temperature (degree Fahrenheit), Existing Condition	This figure consists of three graphs showing monthly average temperature exceedance probabilities for all alternatives under the existing condition on separate graphs for January, February, and March. The data presented in this figure is also presented in tabular form. If you have difficulty accessing this information, please contact us at accessibility@water.ca.gov or (916) 653-6192.
5A-D1.1.37-C.	American River Above Confluence, Exceedance Probabilities for Monthly Average Temperature (degree Fahrenheit), Existing Condition	This figure consists of three graphs showing monthly average temperature exceedance probabilities for all alternatives under the existing condition on separate graphs for April, May, and June. The data presented in this figure is also presented in tabular form. If you have difficulty accessing this information, please contact us at accessibility@water.ca.gov or (916) 653-6192.
5A-D1.1.37-D.	American River Above Confluence, Exceedance Probabilities for Monthly Average Temperature (degree Fahrenheit), Existing Condition	This figure consists of three graphs showing monthly average temperature exceedance probabilities for all alternatives under the existing condition on separate graphs for July, August, and September. The data presented in this figure is also presented in tabular form. If you have difficulty accessing this information, please contact us at accessibility@water.ca.gov or (916) 653-6192.
5A-D1.1.38.	American River Above Confluence, Exceedance Probabilities for Monthly Average Temperature (degree Fahrenheit) for October, Existing Condition	This figure consists of six graphs showing exceedance probabilities for monthly average temperature, existing conditions, for the full simulation period and for wet, above normal, below normal, dry, and critical water years under all alternatives for the month of October.
5A-D1.1.39.	American River Above Confluence, Exceedance Probabilities for Monthly Average Temperature (degree Fahrenheit) for November, Existing Condition	This figure consists of six graphs showing exceedance probabilities for monthly average temperature, existing conditions, for the full simulation period and for wet, above normal, below normal, dry, and critical water years under all alternatives for the month of November.

Figure Number	Figure Title	Description of Figure
5A-D1.1.40.	American River Above Confluence, Exceedance Probabilities for Monthly Average Temperature (degree Fahrenheit) for December, Existing Condition	This figure consists of six graphs showing exceedance probabilities for monthly average temperature, existing conditions, for the full simulation period and for wet, above normal, below normal, dry, and critical water years under all alternatives for the month of December.
5A-D1.1.41.	American River Above Confluence, Exceedance Probabilities for Monthly Average Temperature (degree Fahrenheit) for January, Existing Condition	This figure consists of six graphs showing exceedance probabilities for monthly average temperature, existing conditions, for the full simulation period and for wet, above normal, below normal, dry, and critical water years under all alternatives for the month of January.
5A-D1.1.42.	American River Above Confluence, Exceedance Probabilities for Monthly Average Temperature (degree Fahrenheit) for February, Existing Condition	This figure consists of six graphs showing exceedance probabilities for monthly average temperature, existing conditions, for the full simulation period and for wet, above normal, below normal, dry, and critical water years under all alternatives for the month of February.
5A-D1.1.43.	American River Above Confluence, Exceedance Probabilities for Monthly Average Temperature (degree Fahrenheit) for March, Existing Condition	This figure consists of six graphs showing exceedance probabilities for monthly average temperature, existing conditions, for the full simulation period and for wet, above normal, below normal, dry, and critical water years under all alternatives for the month of March.
5A-D1.1.44.	American River Above Confluence, Exceedance Probabilities for Monthly Average Temperature (degree Fahrenheit) for April, Existing Condition	This figure consists of six graphs showing exceedance probabilities for monthly average temperature, existing conditions, for the full simulation period and for wet, above normal, below normal, dry, and critical water years under all alternatives for the month of April.
5A-D1.1.45.	American River Above Confluence, Exceedance Probabilities for Monthly Average Temperature (degree Fahrenheit) for May, Existing Condition	This figure consists of six graphs showing exceedance probabilities for monthly average temperature, existing conditions, for the full simulation period and for wet, above normal, below normal, dry, and critical water years under all alternatives for the month of May.
5A-D1.1.46.	American River Above Confluence, Exceedance Probabilities for Monthly Average Temperature (degree Fahrenheit) for June, Existing Condition	This figure consists of six graphs showing exceedance probabilities for monthly average temperature, existing conditions, for the full simulation period and for wet, above normal, below normal, dry, and critical water years under all alternatives for the month of June.
5A-D1.1.47.	American River Above Confluence, Exceedance Probabilities for Monthly Average Temperature (degree Fahrenheit) for July, Existing Condition	This figure consists of six graphs showing exceedance probabilities for monthly average temperature, existing conditions, for the full simulation period and for wet, above normal, below normal, dry, and critical water years under all alternatives for the month of July.

Figure Number	Figure Title	Description of Figure
5A-D1.1.48.	American River Above Confluence, Exceedance Probabilities for Monthly Average Temperature (degree Fahrenheit) for August, Existing Condition	This figure consists of six graphs showing exceedance probabilities for monthly average temperature, existing conditions, for the full simulation period and for wet, above normal, below normal, dry, and critical water years under all alternatives for the month of August.
5A-D1.1.49.	American River Above Confluence, Exceedance Probabilities for Monthly Average Temperature (degree Fahrenheit) for September, Existing Condition	This figure consists of six graphs showing exceedance probabilities for monthly average temperature, existing conditions, for the full simulation period and for wet, above normal, below normal, dry, and critical water years under all alternatives for the month of September.

39.8 Chapter 6

Figure Number	Figure Title	Description of Figure
6-1a	A Few of the Water Infrastructure Projects in Northern California	Figure 6-1a shows a few of the water infrastructure projects in Northern California Northern California Major SWP and CVP Water Supply Facilities. This map or figure shows the location of all associated facilities.
6-1b	A Few of the Water Infrastructure Projects in San Francisco Bay Area, San Joaquin Valley, and Tulare Lake	Figure 6-1b shows a few of the water infrastructure projects in San Francisco Bay Area, San Joaquin Valley, and Tulare Lake San Francisco Bay Area, San Joaquin Valley, and Tulare Lake SWP and CVP Water Supply Facilities.
6-1c	A Few of the Water Infrastructure Projects in Central Coast and Southern California	Figure 6-1c shows a few of the water infrastructure projects in Central Coast and Southern California. Central Coast and Southern California SWP and CVP Water Supply Facilities. This map shows all associated water support facilities along the central and southern coast of California.
6-2	Delta Water Exports 1970 - 2019.	Figure 6-2 shows the trend in annual Delta exports for the period 1970 through 2019 with a timeline of the major changes that have affected water supplies and demands, such as the construction of the San Felipe Unit, implementation of the CVPIA, the USFWS and NMFS BiOps, and the CDFW ITP.

39.8.1 Appendix 6A

No figures.

39.9 Chapter 7

Figure Number	Figure Title	Description of Figure
7-1	FEMA Floodplains for a 1% AEP Flood in the Delta	Figure 7-1 shows that the majority (~95%) of the facilities proposed for the project alternatives are within the 500-year floodplain, warranting evaluation of potential flood impacts from proposed facility plans.
7-2	Map of the Urban and Nonurban Levees in North Delta	Figure 7-2 shows a map of the urban and nonurban levees in North Delta

39.9.1 Appendix 7A

No figures.

39.9.2 Appendix 7B

No figures.

39.10 Chapter 8

Figure Number	Figure Title	Description of Figure
8-1	California's Groundwater Basin and Hydrologic Regions	Figure 8-1 shows that The California Department of Water Resources (DWR) has delineated 515 distinct alluvial groundwater basins in the state.
8-2	Groundwater Basins underlying the Delta Region	Figure 8-2 shows that the Delta region overlies portions of the critically overdrafted Eastern San Joaquin Subbasin and several high- and medium-priority subbasins.
8-3	DeltaGW Model Domain and Model Subregions	Figure 8-3 shows that the DeltaGW Model domain is divided into five model subregions for the purpose of analysis.
8-4	DeltaGW Model Physical Project Components	Figure 8-4 shows the physical features of the project modeled for each alternative and their alignments.
8-5	Interconnected Surface Water Reaches Analyzed in the DeltaGW Model	Figure 8-5 shows three streams interconnecting as simulated in the DeltaGW Model. The three interconnected stream courses in the study area considered herein to evaluate this impact are the Sacramento River reach from the mouth of Bear River to the confluence of San Joaquin River; San Joaquin River reach from the mouth of Stanislaus River to the confluence of Sacramento River; and Suisun Bay.
8-6	PLSS Sections with Supply Wells Within 3 Miles of the Delta Region	Figure 8-6 shows the location of the 918 PLSS sections containing supply wells within 3 miles of the legal Delta boundary as simulated in the DeltaGW Model.
8-7	Location of Project Infrastructure in the DeltaGW Model	Figure 8-7 shows the location of project infrastructure in the DeltaGW Model subregion 4.

Figure Number	Figure Title	Description of Figure
8-8	Location of Identified Groundwater Plumes in the Study Area	Figure 8-8 shows the location of identified groundwater plumes in the study area.

39.10.1 Appendix 8A

Figure Number	Figure Title	Description of Figure
8A-1	DeltaGW Model Domain	Figure 8A-1 shows that the DeltaGW Model domain extends from the Bear River and Cache Creek in the north to the Tuolumne River in the south.
8A-2	Diversion Areas of DeltaGW Model	Figure 8A-2 shows the diversion areas of the DeltaGW Model.
8A-3	Small Watersheds Simulated in the DeltaGW Model	Figure 8A-3 depicts the small watersheds simulated in the DeltaGW Model.
8A-4	Comparison of Average ETaw for Delta Region for DeltaGW/C2VSim-FG, DCD, CalSIMETAW and Seven Models used in UC Davis Study	Figure 8A-4 shows the average annual ET rates of seven methods used by UC Davis to estimate ET.
8A-5	Geologic Faults in DeltaGW Model	Figure 8A-5 depicts the DeltaGW Model, the model grid inherited from C2VSim-FG contains discretization for three sets of geologic faults; the Plainfield Ridge Anticline, the Kirby Hilly & Vaca Faults, and the Vernalis & Stockton Faults.
8A-6	Specified Head Boundary Condition at Western Boundary of DeltaGW Model	Figure 8A-6 shows the specific head boundary conditions at the western boundary, overlaying the Suisun Bay, using the DeltaGW model.
8A-7	Original and Updated Layering of DeltaGW Model	Figure 8A-7 shows a cross section of the original and new model layering along select cross sections.
8A-8	Agricultural Drainage Returns	Figure 8A-8 from the Delta Atlas shows the locations of the agricultural drainage returns.
8A-9	Comparison of Simulated and Observed Stream Stages for Three Selected Sacramento River Stages	Figure 8A-9 compares the simulated stages and the observed stages based on the original invert elevations and rating tables in DeltaGW Model (taken from C2VSim-FG) for low flows (6,500 cubic feet per second [cfs]), medium flows (15,000 cfs) and medium-high flows (45,000 cfs), prior to recalibration.
8A-10	Location of CoSANA and ESJ Local Models and DeltaGW Model Subregions	Figure 8A-10 shows a map of the coverage of the two local models relative to the DeltaGW Model.
8A-11	Systematic Process of DeltaGW Model Calibration	Figure 8A-11 displays the model calibration as a systematic process.
8A-12	Groundwater Basins and SGMA Basin Prioritization in DeltaGW Model Domain	Figure 8A-12 shows the location of groundwater basins and their priority in the DeltaGW Model domain.

Figure Number	Figure Title	Description of Figure
8A-13	Location and Number of Calibration Wells used for Calibration of the DeltaGW Model	Figure 8A-13 shows the location and number of calibration wells used for calibration of the DeltaGW Model.
8A-14	Major Water Budget Components for Agricultural and Urban Areas in the DeltaGW Model Domain	Figure 8A-14 shows the 1973–2015 annual land and water use budgets for the agricultural and urban areas in the DeltaGW Model domain.
8A-15	Major Water Budget Components for Combined Agricultural and Urban Areas in the DeltaGW Model Domain	Figure 8A-15 shows the combined annual land and water use budget for agricultural and urban areas in the DeltaGW Model domain.
8A-16	Annual Land and Water Use Budget for the DeltaGW Model Domain	Figure 8A-16 shows annual land and water use budget for the entire DeltaGW Model domain for 1974–2015.
8A-17	DeltaGW, CoSANA, and East San Joaquin Model Domains	Figure 8A-17 shows the domain of the CoSANA water resources model and ESJ with an overlap area between Cosumnes and Mokelumne Rivers that is covered by both models.
8A-18	Annual Average Land and Water Use Budget for Agricultural Areas of the CoSANA Model Domain	Land and water use water budgets of the CoSANA, DeltaGW and C2VSim-FG models are shown in Figure 8A-18 for the agricultural and urban areas of the CoSANA model domain.
8A-19	Annual Average Land and Water Use Budget for Urban Areas of the CoSANA Model Domain	Land and water use water budgets of the CoSANA, DeltaGW and C2VSim-FG models are shown in Figure 8A-19 for the agricultural and urban areas of the CoSANA model domain.
8A-20	Annual Average Land and Water Use Budget for Agricultural Areas of the East San Joaquin Model Domain	Land and water use water budgets of the ESJ, DeltaGW and C2VSim-FG models are shown in Figure 8A-20 for the agricultural and urban areas of the ESJ model domain.
8A-21	Annual Average Land and Water Use Budget for Urban Areas of the East San Joaquin Model Domain	Land and water use water budgets of the ESJ, DeltaGW and C2VSim-FG models are shown in Figure 8A-21 for the agricultural and urban areas of the ESJ model domain.
8A-22	Byron Bethany and Banta-Carbona Irrigation Districts and Other Water Agencies in the Tracy Subbasin	Figure 8A-22 shows the location of these two irrigation districts and other water agencies in the Tracy subbasin.
8A-23	Histogram of Groundwater Elevation Residuals (Simulated Minus Observed Groundwater Heads) for the C2VSim-FG and DeltaGW Models	Figure 8A-23 shows histograms of groundwater elevation residuals of the C2VSim-FG and DeltaGW models. The C2VSim-FG model generally overestimates the groundwater elevations as the bars in Figure 8A-23 are mostly on the positive residuals side.

Figure Number	Figure Title	Description of Figure
8A-24	Histogram of Groundwater Elevation Residuals (Simulated minus Observed Groundwater Heads) for C2VSim-FG for Five Subregions of DeltaGW Model Domain	Figure 8A-24 shows similar comparisons of groundwater elevation residuals of the C2VSim-FG and DeltaGW models for the five subregions of the DeltaGW Model.
8A-25	Histogram of Groundwater Elevation Residuals (Simulated minus Observed Groundwater Heads) for DeltaGW for Five Subregions of the DeltaGW Model Domain	Figure 8A-25 shows similar comparisons of groundwater elevation residuals of the C2VSim-FG and DeltaGW models for the five subregions of the DeltaGW Model.
8A-26	Long-Term Average Residual (Simulated minus Observed) Values at all Calibration Wells	Figure 8A-26 shows the long-term average residual values at all of the 613 calibration wells for the C2VSim-FG and DeltaGW models.
8A-27	Regional Groundwater Elevation Contours in Delta Area from the SGMA Data Viewer and DeltaGW for Fall 2015	Figure 8A-27 shows a comparison of observed and simulated groundwater elevation contour maps of the SGMA Data Viewer and DeltaGW for fall 2015.
8A-28	Histogram of Groundwater Elevation Residuals (Simulated minus Observed Groundwater Heads) for the C2VSim-FG, DeltaGW and CoSANA Models for the CoSANA Model Domain	Figure 8A-28 shows histograms of groundwater elevation residuals of these four models for the model areas of the CoSANA and ESJ models.
8A-29	Histogram of Groundwater Elevation Residuals (Simulated minus Observed Groundwater Heads) for the C2VSim-FG, DeltaGW, and ESJ Models for the ESJ Model Domain	Figure 8A-29 shows histograms of groundwater elevation residuals of these four models for the model areas of the CoSANA and ESJ models.
8A-30	Hydrographs of Simulated Groundwater Elevations of the DeltaGW and C2VSim-FG Models and Observed Groundwater Elevations for Model Subregion 1	Figure 8A-30 shows hydrographs of simulated groundwater elevations of the two models and observed elevations for model subregion 1.
8A-31	Hydrographs of Simulated Groundwater Elevations of the DeltaGW and C2VSim-FG Models and Observed Groundwater Elevations for Model Subregion 2	Figure 8A-31 shows hydrographs of simulated groundwater elevations of the two models and observed groundwater elevations for model subregion 2.

Figure Number	Figure Title	Description of Figure
8A-32	Hydrographs of Simulated Groundwater Elevations of the DeltaGW and C2VSim-FG Models and Observed Groundwater Elevations for Model Subregion	Figure 8A-32 shows hydrographs of simulated groundwater elevations of the two models and observed groundwater elevations for subregion 3.
8A-33	Hydrographs of Simulated Groundwater Elevations of the DeltaGW and C2VSim-FG Models and Observed Groundwater Elevations for Model Subregion 4	Figure 8A-33 shows hydrographs of simulated groundwater elevations of the two models and observed groundwater elevations for model subregion 4.
8A-34	Hydrographs of Simulated Groundwater Elevations of DeltaGW and C2VSim-FG Models and Observed Groundwater Elevations for Model Subregion 5	Figure 8A-34 shows hydrographs of simulated groundwater elevations of the two models and observed groundwater elevations for model subregion 5.
8A-35	Simulated Streams of DeltaGW with Six Stream Gages Selected for Comparison of Simulated and Observed Streamflows	Figure 8A-35 shows simulated streams of DeltaGW and location of six stream gages selected for comparison of simulated and observed streamflows.
8A-36	Simulated and Observed Streamflows at Six Selected Stream Gages for Major Streams in the DeltaGW Model Area	Figure 8A-36 shows hydrographs for simulated and observed streamflows at the six selected stream gaging stations.
8A-37	Simulated and Observed Streamflows at Delta Outflow (Compared to Dayflow Estimates)	Figure 8A-37 shows simulated and observed streamflows at delta outflow when compared to dayflow estimates.
8A-38	Average Stream-Aquifer Interaction at each Stream Node in Acre-Feet/Month for Water Year 2015	Figure 8A-38 shows average stream-aquifer interaction at each stream node for water year 2015.
8A-39	Selected Sacramento River Reach for Evaluation of Stream-Aquifer Interaction	Figure 8A-39 shows the Sacramento River reach between American River and Yolo Bypass.
8A-40	Stream Gain and Loss from/to Groundwater for Sacramento River Reach between American River and Yolo Bypass	Figure 8A-40 shows this reach of Sacramento River loses an average of 150,000 to 175,000 AFY to groundwater.

39.10.2 Appendix 8B

Figure Number	Figure Title	Description of Figure
8B-1	DeltaGW Model Domain	Figure 8B-1 shows that the DeltaGW Model uses the same model grid structure as the C2VSim-FG model but covers a smaller model domain, which includes the Delta and surrounding areas.
8B-2	Interconnected Surface Water Reaches Analyzed in the DeltaGW Model	Figure 8B-2 shows that stream-aquifer interaction losses are evaluated based on changes to stream gains and/or losses in three reaches simulated in the DeltaGW Model.
8B-3	Maximum Groundwater Elevation Difference Contours for Alternative 1	Figure 8B-3 represents the maximum difference contours and identified groundwater contaminant sites for alternative 1.
8B-4	Maximum Groundwater Elevation Difference Contours for Alternative 2a	Figure 8B-4 represents the maximum difference contours and identified groundwater contaminant sites for alternative 2a.
8B-5	Maximum Groundwater Elevation Difference Contours for Alternative 2b	Figure 8B-5 represents the maximum difference contours and identified groundwater contaminant sites for alternative 2b.
8B-6	Maximum Groundwater Elevation Difference Contours for Alternative 2c	Figure 8B-6 represents the maximum difference contours and identified groundwater contaminant sites for alternative 2c.
8B-7	Maximum Groundwater Elevation Difference Contours for Alternative 3	Figure 8B-7 represents the maximum difference contours and identified groundwater contaminant sites for alternative 3.
8B-8	Maximum Groundwater Elevation Difference Contours for Alternative 4a	Figure 8B-8 represents the maximum difference contours and identified groundwater contaminant sites for alternative 4a.
8B-9	Maximum Groundwater Elevation Difference Contours for Alternative 4b	Figure 8B-9 represents the maximum difference contours and identified groundwater contaminant sites for alternative 4b.
8B-10	Maximum Groundwater Elevation Difference Contours for Alternative 4c	Figure 8B-10 represents the maximum difference contours and identified groundwater contaminant sites for alternative 4c.
8B-11	Maximum Groundwater Elevation Difference Contours for Alternative 5	Figure 8B-11 represents the maximum difference contours and identified groundwater contaminant sites for alternative 5.

39.10.3 Appendix 8C

Figure Number	Figure Title	Description of Figure
8C-1	Interconnected Surface Water Reaches Analyzed in the DeltaGW Model	Figure 8C-1 shows that the stream-aquifer interaction losses are evaluated based on changes to stream gains and/or losses in three reaches simulated in the DeltaGW Model.
8C-2	Maximum Groundwater Elevation Difference Contours for Alternative 1	Figure 8C-2 represents the maximum difference contours and identified groundwater contaminant sites for alternative 1.

Figure Number	Figure Title	Description of Figure
8C-3	Maximum Groundwater Elevation Difference Contours for Alternative 2a	Figure 8C-3 represents the maximum difference contours and identified groundwater contaminant sites for alternative 2a.
8C-4	Maximum Groundwater Elevation Difference Contours for Alternative 2b	Figure 8C-4 represents the maximum difference contours and identified groundwater contaminant sites for alternative 2b.
8C-5	Maximum Groundwater Elevation Difference Contours for Alternative 2c	Figure 8C-5 represents the maximum difference contours and identified groundwater contaminant sites for alternative 2c.
8C-6	Maximum Groundwater Elevation Difference Contours for Alternative 3	Figure 8C-6 represents the maximum difference contours and identified groundwater contaminant sites for alternative 3.
8C-7	Maximum Groundwater Elevation Difference Contours for Alternative 4a	Figure 8C-7 represents the maximum difference contours and identified groundwater contaminant sites for alternative 4a.
8C-8	Maximum Groundwater Elevation Difference Contours for Alternative 4b	Figure 8C-8 represents the maximum difference contours and identified groundwater contaminant sites for alternative 4b.
8C-9	Maximum Groundwater Elevation Difference Contours for Alternative 4c	Figure 8C-9 represents the maximum difference contours and identified groundwater contaminant sites for alternative 4c.
8C-10	Maximum Groundwater Elevation Difference Contours for Alternative 5	Figure 8C-10 represents the maximum difference contours and identified groundwater contaminant sites for alternative 5.

39.11 Chapter 9

No figures.

39.11.1 Appendix 9A

No figures.

39.11.2 Appendix 9B

Appendix 9B provides the modeling output results used in Chapters 5-32 of the EIR. Tabular data and figures are included in Appendix 9B. If you need accessibility assistance with the figures in this appendix, please contact accessibility@water.ca.gov or (916) 653-6192.

39.11.3 Appendix 9C

Appendix 9C provides the modeling output results used in Chapters 5-32 of the EIR. Tabular data and figures are included in Appendix 9C. If you need accessibility assistance with the figures in this appendix, please contact accessibility@water.ca.gov or (916) 653-6192.

39.11.4 Appendix 9D

Appendix 9D provides the modeling output results used in Chapters 5-32 of the EIR. Tabular data and figures are included in Appendix 9D. If you need accessibility assistance with the figures in this appendix, please contact accessibility@water.ca.gov or (916) 653-6192.

39.11.5 Appendix 9E

Appendix 9E provides the modeling output results used in Chapters 5-32 of the EIR. Tabular data and figures are included in Appendix 9E. If you need accessibility assistance with the figures in this appendix, please contact accessibility@water.ca.gov or (916) 653-6192.

39.11.6 Appendix 9F

Appendix 9F provides the modeling output results used in Chapters 5-32 of the EIR. Tabular data and figures are included in Appendix 9F. If you need accessibility assistance with the figures in this appendix, please contact accessibility@water.ca.gov or (916) 653-6192.

39.11.7 Appendix 9G

Appendix 9G provides the modeling output results used in Chapters 5-32 of the EIR. Tabular data and figures are included in Appendix 9G. If you need accessibility assistance with the figures in this appendix, please contact accessibility@water.ca.gov or (916) 653-6192.

39.11.8 Appendix 9H

No figures.

39.11.9 Appendix 9I

Appendix 9I provides the modeling output results used in Chapters 5-32 of the EIR. Tabular data and figures are included in Appendix 9I. If you need accessibility assistance with the figures in this appendix, please contact accessibility@water.ca.gov or (916) 653-6192.

39.11.10 Appendix 9J

Appendix 9J provides the modeling output results used in Chapters 5-32 of the EIR. Tabular data and figures are included in Appendix 9J. If you need accessibility assistance with the figures in this appendix, please contact accessibility@water.ca.gov or (916) 653-6192.

39.11.11 Appendix 9K

Appendix 9K provides the modeling output results used in Chapters 5-32 of the EIR. Tabular data and figures are included in Appendix 9K. If you need accessibility assistance with the figures in this appendix, please contact accessibility@water.ca.gov or (916) 653-6192.

39.11.12 Appendix 9L

Appendix 9L provides the modeling output results used in Chapters 5-32 of the EIR. Tabular data and figures are included in Appendix 9L. If you need accessibility assistance with the figures in this appendix, please contact accessibility@water.ca.gov or (916) 653-6192.

39.12 Chapter 10

Figure Number	Figure Title	Description of Figure
10-1	Geomorphic Provinces of California	Figure 10-1 shows all the geomorphic provinces of California. The Central Valley is bounded by the Sierra Nevada on the east and the Coast Ranges on the west.
10-2	Geologic Time Scale	Figure 10-2 shows the geologic time scale. Paleogeographic reconstructions of this region indicate that Miocene sedimentation was similar to a modern forearc basin, shedding arkosic and volcanoclastic sediment westward from the continent.
10-3	Geology of the Study Area	Figure 10-3 depicts a geologic map of the study area.
10-4	Active Faults and Historical Seismicity of the Bay and Delta Region, 1800–2021	Figure 10-4 depicts all active faults and seismicity in the Bay and Delta Region between 1800 and 2021. Several earthquakes with magnitude 5.0 or greater have occurred in the immediate San Francisco Bay Area since 1800.
10-5	Overview of Earthquake Shaking Potential based on California Geological Survey Data	Figure 10-5 provides a general overview of the relative intensity of ground motions from future earthquakes with a 2 percent exceedance probability in 50 years for the study area and vicinity. The map incorporates anticipated amplification of ground motions by local soil conditions.
10-6	Faults and Liquefaction Susceptibility in Vicinity of Southern Complex and Bethany Complex	Figure 10-6 shows that the mapped areas extend from approximately Isleton to the north and southerly to the northern part of the proposed Southern Complex. The mapping shows that the area surrounding Clifton Court Forebay and the Byron Tract Working Shaft site are both subject to liquefaction hazard.
10-7	Levees Near State Highways	Figure 10-7 shows all levees near state highways. Construction traffic may need to access levee roads at various points along state highways.
10-8	Levees Near Access Roads	Figure 10-8 shows all levees near access roads. Construction traffic may need to access access roads.

39.13 Chapter 11

Figure Number	Figure Title	Description of Figure
11-1	Soil Associations	Figure 11-1 shows the soil associations in the study area. This generalized soil map is useful for understanding the general characteristics of the soils and for comparing the suitability of large areas for general land use planning purposes.
11-2	Soil Organic Matter Content in Near-Surface Soils	Figure 11-2 shows the percent organic matter content of the upper 5 feet of soils in the study area.
11-3	Soil Shrink-Swell Potential – Near-Surface Soils	Figure 11-3 shows the LEP and COLE classes for the upper 5 feet of soil material.
11-4	Water Erosion Hazard	Figure 11-4 depicts water erosion hazard ratings for the surface layer of soils in the study area.
11-5	Wind Erosion Hazard	Figure 11-5 shows much of the study area is underlain by surface layer soils that have a relatively high wind erosion hazard.
11-6	Risk of Corrosion to Uncoated Steel – Near-Surface Soils	Figure 11-6 shows that many of the soil map units in the study area are rated as having a high potential to cause corrosion to uncoated steel.
11-7	Risk of Soil Corrosion to Uncoated Steel – Near-Surface Soils	Figure 11-7 shows most of the soil map units in the study area are rated as having a low to high moderate potential to cause corrosion to concrete.
11-8	Thickness of Organic Soils	Figure 11-8 shows the total thickness of the organic soil material, which extends well below the 5-foot depth typically described in NRCS soil surveys. The areas with the thickest organic soil material include southern Grand, southern Tyler, southern Brannan, Twitchell, northern and southern Sherman, Venice, Medford, and western Bouldin Islands in Sacramento and San Joaquin Counties.
11-9	Surface Elevation	Figure 11-9 shows the existing generalized elevations throughout most of the study area.

39.14 Chapter 12

Figure Number	Figure Title	Description of Figure
12-1	Violin Plots of Predicted Longfin Smelt Fall Midwater Trawl Index by Water Year Type from Application of the Delta Outflow-Abundance Index Method	Figure 12-1 shows the longfin smelt index by water year type. Results of the Delta outflow–abundance index analysis showed that differences in predicted Fall Midwater Trawl abundance index between existing conditions and the project alternatives were very small relative to the variability in the predicted values, which spans several orders of magnitude.

Figure Number	Figure Title	Description of Figure
12-2	Time Series Plots of Predicted Longfin Smelt Fall Midwater Trawl Index from Application of the Delta Outflow-Abundance Index Method	Figure 12-2 shows time series plots of predicted longfin smelt midwater trawl index. Results of the Delta outflow–abundance index analysis showed that differences in predicted Fall Midwater Trawl abundance index between existing conditions and the project alternatives were very small relative to the variability in the predicted values, which spans several orders of magnitude.
12-3	Overview of Flow-Tolerance Limitations of Green (GS) and White (WS) Sturgeon Throughout the Sacramento-San Joaquin Watershed According to Location and Time of Year, Based on Critical Swimming Speed	Figure 12-3 provides an overview of flow tolerance limitations of green and white sturgeon throughout the Sacramento-San Joaquin Watershed.

39.14.1 Appendix 12A

Figure Number	Figure Title	Description of Figure
12A-1	Delta Smelt Fall Midwater Trawl Index, Spring Kodiak Trawl Index, and January–February Spring Kodiak Trawl Abundance Estimate (with 95% Confidence Interval), Water Years 2002–2018	Figure 12A-1 shows that all CDFW relative abundance indices show a declining trend since the early 2000s.
12A-2	Locations of Longfin Smelt Captures, 1889–2016, Excluding the San Francisco Estuary and Delta	Figure 12A-2 shows that longfin smelt have been documented in Humboldt Bay, the Eel River estuary, the Klamath River estuary, Russian River, and in smaller river estuaries from the central and northern coast of California, including Pescadero Creek, the Garcia River, Gualala River, and Mad River.
12A-3	Average Annual Frequency of Longfin Smelt Detection (%) for Larval and Adult Life Stages by Region and Interagency Ecological Program Survey Type	Figure 12A-3 shows that analyses of multiple surveys by Merz et al. (2013) found that larvae were more frequently detected in the Delta in drier years than in wet years
12A-4	Longfin Smelt Fall Midwater Trawl Abundance Index, 1967–2018	Figure 12A-4 shows that abundance indices for the longfin smelt population have undergone a decline over time.
12A-5	Distribution of Larval and Juvenile Longfin Smelt Salinity “Tolerance” (10th–90th Percentile Salinity of Catch) in 2014 (Labeled “Dry”), 2011 (Labeled “Moderate”), and 2006 (Labeled “Wet”) Water Years	Figure 12A-5 shows the distribution of larval and juvenile longfin smelt salinity tolerance in water years of varying runoff.

Figure Number	Figure Title	Description of Figure
12A-6	Winter-Run Chinook Salmon Adult Annual Escapement in the Central Valley, 1970–2020	Figure 12A-6 demonstrates that the California Fish and Game Commission listed the Sacramento River winter-run Chinook salmon (Oncorhynchus tshawytscha) evolutionarily significant unit (ESU) as endangered under CESA due to persistent long-term declines
12A-7	Current and Historical Sacramento River Winter-Run Chinook Salmon Distribution	Figure 12A-7 shows that adult Sacramento River winter-run Chinook salmon enter the San Francisco Bay in November to begin their spawning migration and continue upstream from December through early August to the extent of anadromy at the base of Keswick Dam
12A-8	Current and Historical Central Valley Spring-Run Chinook Salmon Distribution	Figure 12A-8 shows that Dams on the Sacramento River blocked upstream passage of spring-run Chinook salmon to their historical spawning habitat and confined them to a much smaller area of the watershed
12A-9	Spring-Run Chinook Salmon Adult In-River (Upper) and Hatchery (Lower) Annual Escapement in the Central Valley, 1970–2020	Figure 12A-9 shows that In-river escapement was estimated to range between 1,059 and 16,189 fish during 2016–2020, with 1,688 estimated in 2020. During these years, escapement to hatcheries ranged from 532 (2017) to 3,867 (2019).
12A-10	Fall-Run Chinook Salmon Adult In-River (Upper) and Hatchery (Lower) Annual Escapement in the Central Valley, 1952–2020	Figure 12A-10 shows that Annual fall-run and late fall–run Chinook salmon escapement to the Sacramento River and its tributaries has generally been lower in the last decade than historically, following peaks in the late 1990s to early 2000s
12A-11	Late Fall–Run Chinook Salmon Adult In-River (Upper) and Hatchery (Lower) Annual Escapement in the Central Valley	Figure 12A-11 shows that Annual fall-run and late fall–run Chinook salmon escapement to the Sacramento River and its tributaries has generally been lower in the last decade than historically, following peaks in the late 1990s to early 2000s
12A-12	Mean Modeled Lamprey Occupancy Estimates Mapped by Region with Sites used in the Single-Season Lamprey Occupancy Model	Figure 12A-12 shows that, in the San Francisco Estuary and Delta, occupancy of habitat by lamprey (including Pacific lamprey and western river lamprey combined) was found to be greatest in the north and central Delta, with zero to low occupancy in the south Delta, San Joaquin River, and San Francisco Bay
12A.1-1	Timing and Number of Juvenile Winter-Run Chinook Salmon in Red Bluff Diversion Dam Rotary Screw Traps	Figure 12A.1-1 shows juvenile winter-Run Chinook Salmon in the Red Bluff Diversion Dam Rotary Screw Traps
12A.1-2	Timing and Number of Juvenile Winter-Run Chinook Salmon in Tisdale Weir Rotary Screw Traps	Figure 12A.1-2 shows juvenile winter-Run Chinook Salmon in the Tisdale Weir Rotary Screw Traps
12A.1-3	Timing and Number of Juvenile Winter-Run Chinook Salmon in Knights Landing Rotary Screw Traps	Figure 12A.1-3 shows juvenile Winter-Run Chinook Salmon in the Knights Landing Rotary Screw Traps

Figure Number	Figure Title	Description of Figure
12A.1-4	Catch Index Timing and Number of Juvenile Winter-Run Chinook Salmon in Sacramento Beach Seines	Figure 12A.1-4 shows Juvenile Winter-Run Chinook Salmon in Sacramento Beach Seines
12A.1-5	Catch Index Timing and Number of Juvenile Winter-Run Chinook Salmon in Sacramento Trawls at Sherwood Harbor	Figure 12A.1-5 shows catch Index Timing and Number of Juvenile Winter-Run Chinook Salmon in Sacramento Trawls at Sherwood Harbor
12A.1-6	Timing and Number of Clipped Spring-Run Juvenile Chinook Salmon (Race Determined from Coded Wire Tag) at the State Water Project and Central Valley Project South Delta Fish Salvage Facilities	Figure 12A.1-6 shows Catch Index Timing and Number of Juvenile Winter-Run Chinook Salmon in Chipps Island Trawls
12A.1-7	Timing and Number of Unclipped Juvenile Winter-Run Chinook Salmon (Race Determined from Length at Date) at the State Water Project and Central Valley Project South Delta Fish Salvage Facilities	Figure 12A.1-7 shows Timing and Number of Unclipped Juvenile Winter-Run Chinook Salmon at the State Water Project and Central Valley Project South Delta Fish Salvage Facilities
12A.1-8	Timing and Number of Clipped Juvenile Winter-Run Chinook Salmon (Race Determined from Length at Date) at the State Water Project and Central Valley Project South Delta Fish Salvage Facilities	Figure 12A.1-8 shows the timing and Number of Clipped Juvenile Winter-Run Chinook Salmon at the State Water Project and Central Valley Project South Delta Fish Salvage Facilities
12A.1-9	Timing and Number of Clipped Winter-Run Juvenile Chinook Salmon (Race Determined from Coded Wire Tag) at the State Water Project and Central Valley Project South Delta Fish Salvage Facilities	Figure 12A.1-9 shows the timing and Number of Clipped Winter-Run Juvenile Chinook Salmon at the State Water Project and Central Valley Project South Delta Fish Salvage Facilities
12A.1-10	Timing and Number of Juvenile Spring-Run Chinook Salmon in Red Bluff Diversion Dam Rotary Screw Traps	Figure 12A.1-10 shows the timing and Number of Juvenile Spring-Run Chinook Salmon in Red Bluff Diversion Dam Rotary Screw Trap
12A.1-11	Timing and Number of Juvenile Spring-Run Chinook Salmon in Tisdale Weir Rotary Screw Traps	Figure 12A.1-11 shows the timing and Number of Juvenile Spring-Run Chinook Salmon in Tisdale Weir Rotary Screw Traps

Figure Number	Figure Title	Description of Figure
12A.1-12	Timing and Number of Juvenile Spring-Run Chinook Salmon in Knights Landing Rotary Screw Traps	Figure 12A.1-12 shows the timing and Number of Juvenile Spring-Run Chinook Salmon in Knights Landing Rotary Screw Traps
12A.1-13	Catch Index Timing and Number of Juvenile Spring-Run Chinook Salmon in Sacramento Beach Seines	Figure 12A.1-13 shows catch Index Timing and Number of Juvenile Spring-Run Chinook Salmon in Sacramento Beach Seines
12A.1-14	Catch Index Timing and Number of Juvenile Spring-Run Chinook Salmon in Sacramento Trawls at Sherwood Harbor	Figure 12A.1-14 shows the Catch Index Timing and Number of Juvenile Spring-Run Chinook Salmon in Sacramento Trawls at Sherwood Harbor
12A.1-15	Catch Index Timing and Number of Juvenile Spring-Run Chinook Salmon in Chipps Island Trawls	Figure 12A.1-15 shows the Catch Index Timing and Number of Juvenile Spring-Run Chinook Salmon in Chipps Island Trawls
12A.1-16	Timing and Number of Unclipped Juvenile Spring-Run Chinook Salmon (Race Determined from Length at Date) at the State Water Project and Central Valley Project South Delta Fish Salvage Facilities	Figure 12A.1-16 shows the Timing and Number of Unclipped Juvenile Spring-Run Chinook Salmon at the State Water Project and Central Valley Project South Delta Fish Salvage Facilities
12A.1-17	Timing and Number of Clipped Juvenile Spring-Run Chinook Salmon (Race Determined from Length at Date) at the State Water Project and Central Valley Project South Delta Fish Salvage Facilities	Figure 12A.1-17 shows the Timing and Number of Clipped Juvenile Spring-Run Chinook Salmon at the State Water Project and Central Valley Project South Delta Fish Salvage Facilities
12A.1-18	Timing and Number of Clipped Spring-Run Juvenile Chinook Salmon (Race Determined from Coded Wire Tag) at the State Water Project and Central Valley Project South Delta Fish Salvage Facilities	Figure 12A.1-18 shows timing and Number of Clipped Spring-Run Juvenile Chinook Salmon at the State Water Project and Central Valley Project South Delta Fish Salvage Facilities
12A.1-19	Timing and Number of Juvenile Fall-Run Chinook Salmon in Red Bluff Diversion Dam Rotary Screw Traps	Figure 12A.1-19 shows Timing and Number of Juvenile Fall-Run Chinook Salmon in Red Bluff Diversion Dam Rotary Screw Traps
12A.1-20	Timing and Number of Juvenile Fall-Run Chinook Salmon in Tisdale Weir Rotary Screw Traps	Figure 12A.1-20 shows Timing and Number of Juvenile Fall-Run Chinook Salmon in Tisdale Weir Rotary Screw Traps

Figure Number	Figure Title	Description of Figure
12A.1-21	Timing and Number of Juvenile Fall-Run Chinook Salmon in Knights Landing Rotary Screw Traps	Figure 12A.1-21 shows Timing and Number of Juvenile Fall-Run Chinook Salmon in Knights Landing Rotary Screw Traps
12A.1-22	Catch Index Timing and Number of Juvenile Fall-Run Chinook Salmon in Sacramento Beach Seines	Figure 12A.1-22 shows the Catch Index Timing and Number of Juvenile Fall-Run Chinook Salmon in Sacramento Beach Seines
12A.1-23	Catch Index Timing and Number of Juvenile Fall-Run Chinook Salmon in Sacramento Trawls at Sherwood Harbor	Figure 12A.1-23 shows the Catch Index Timing and Number of Juvenile Fall-Run Chinook Salmon in Sacramento Trawls at Sherwood Harbor
12A.1-24	Catch Index Timing and Number of Juvenile Fall-Run Chinook Salmon in Chipps Island Trawls	Figure 12A.1-24 shows the Catch Index Timing and Number of Juvenile Fall-Run Chinook Salmon in Chipps Island Trawls
12A.1-25	Timing and Number of Unclipped Juvenile Fall-Run Chinook Salmon (Race Determined from Length at Date) at the State Water Project and Central Valley Project South Delta Fish Salvage Facilities	Figure 12A.1-25 shows Timing and Number of Unclipped Juvenile Fall-Run Chinook Salmon at the State Water Project and Central Valley Project South Delta Fish Salvage Facilities
12A.1-27	Timing and Number of Clipped Fall-Run Juvenile Chinook Salmon (Race Determined from Coded Wire Tag) at the State Water Project and Central Valley Project South Delta Fish Salvage Facilities	Figure 12A.1-27 shows Timing and Number of Clipped Fall-Run Juvenile Chinook Salmon at the State Water Project and Central Valley Project South Delta Fish Salvage Facilities
12A.1-28	Timing and Number of Juvenile Late Fall-Run Chinook Salmon in Red Bluff Diversion Dam Rotary Screw Traps	Figure 12A.1-28 shows Timing and Number of Juvenile Late Fall-Run Chinook Salmon in Red Bluff Diversion Dam Rotary Screw Traps
12A.1-29	Timing and Number of Juvenile Late Fall-Run Chinook Salmon in Tisdale Weir Rotary Screw Traps	Figure 12A.1-29 shows Timing and Number of Juvenile Late Fall-Run Chinook Salmon in Tisdale Weir Rotary Screw Traps
12A.1-30	Timing and Number of Juvenile Late Fall-Run Chinook Salmon in Knights Landing Rotary Screw Traps	Figure 12A.1-30 shows Timing and Number of Juvenile Late Fall-Run Chinook Salmon in Knights Landing Rotary Screw Traps
12A.1-31	Catch Index Timing and Number of Juvenile Late Fall-Run Chinook Salmon in Sacramento Beach Seines	Figure 12A.1-31 shows Catch Index Timing and Number of Juvenile Late Fall-Run Chinook Salmon in Sacramento Beach Seines

Figure Number	Figure Title	Description of Figure
12A.1-32	Catch Index Timing and Number of Juvenile Late Fall-Run Chinook Salmon in Sacramento Trawls at Sherwood Harbor	Figure 12A.1-32 shows Catch Index Timing and Number of Juvenile Late Fall-Run Chinook Salmon in Sacramento Trawls at Sherwood Harbor
12A.1-33	Catch Index Timing and Number of Juvenile Late Fall-Run Chinook Salmon in Chipps Island Trawls	Figure 12A.1-33 shows Catch Index Timing and Number of Juvenile Late Fall-Run Chinook Salmon in Chipps Island Trawls
12A.1-34	Timing and Number of Unclipped Juvenile Late Fall-Run Chinook Salmon (Race Determined from Length at Date) at the State Water Project and Central Valley Project South Delta Fish Salvage Facilities	Figure 12A.1-34 shows Timing and Number of Unclipped Juvenile Late Fall-Run Chinook Salmon at the State Water Project and Central Valley Project South Delta Fish Salvage Facilities
12A.1-35	Timing and Number of Clipped Juvenile Late Fall-Run Chinook Salmon (Race Determined from Length at Date) at the State Water Project and Central Valley Project South Delta Fish Salvage Facilities	Figure 12A.1-35 shows the timing and Number of Clipped Juvenile Late Fall-Run Chinook Salmon at the State Water Project and Central Valley Project South Delta Fish Salvage Facilities
12A.1-36	Timing and Number of Clipped Late Fall-Run Juvenile Chinook Salmon (Race Determined from Coded Wire Tag) at the State Water Project and Central Valley Project South Delta Fish Salvage Facilities	Figure 12A.1-36 shows the Timing and Number of Clipped Late Fall-Run Juvenile Chinook Salmon at the State Water Project and Central Valley Project South Delta Fish Salvage Facilities
12A.1-37	Timing and Number of Juvenile Steelhead in Red Bluff Diversion Dam Rotary Screw Traps	Figure 12A.1-37 shows the Timing and Number of Juvenile Steelhead in Red Bluff Diversion Dam Rotary Screw Traps
12A.1-38	Timing and Number of Juvenile Steelhead in Tisdale Weir Rotary Screw Traps	Figure 12A.1-38 shows the Timing and Number of Juvenile Steelhead in Tisdale Weir Rotary Screw Traps
12A.1-39	Timing and Number of Juvenile Steelhead in Knights Landing Rotary Screw Traps	Figure 12A.1-39 shows the Timing and Number of Juvenile Steelhead in Knights Landing Rotary Screw Traps
12A.1-40	Catch Index Timing and Number of Juvenile Steelhead in Sacramento Beach Seines	Figure 12A.1-40 shows the Catch Index Timing and Number of Juvenile Steelhead in Sacramento Beach Seines
12A.1-41	Catch Index Timing and Number of Juvenile Steelhead in Sacramento Trawls at Sherwood Harbor	Figure 12A.1-41 shows Catch Index Timing and Number of Juvenile Steelhead in Sacramento Trawls at Sherwood Harbor

Figure Number	Figure Title	Description of Figure
12A.1-42	Catch Index Timing and Number of Juvenile Steelhead in Chipps Island Trawls	Figure 12A.1-42 shows Catch Index Timing and Number of Juvenile Steelhead in Chipps Island Trawls
12A.1-43	Timing and Number of Unclipped Juvenile Steelhead at the State Water Project and Central Valley Project South Delta Fish Salvage Facilities	Figure 12A.1-43 shows Timing and Number of Unclipped Juvenile Steelhead at the State Water Project and Central Valley Project South Delta Fish Salvage Facilities
12A.1-44	Timing and Number of Clipped Juvenile Steelhead at the State Water Project and Central Valley Project South Delta Fish Salvage Facilities	Figure 12A.1-44 shows the Timing and Number of Clipped Juvenile Steelhead at the State Water Project and Central Valley Project South Delta Fish Salvage Facilities

39.14.2 Appendix 12B

Figure Number	Figure Title	Description of Figure
12B-1	Time Series of Proportional Juvenile Winter-Run Chinook Salmon Salvage for the Analysis based on Zeug and Cavallo (2014)	Figure 12B-1 shows a graphical summary of proportional Juvenile Winter-Run Chinook Salmon Salvage. Results are discussed in Chapter 12, Fish and Aquatic Resources.
12B-2	Box Plot of Proportional Juvenile Winter-Run Chinook Salmon Salvage by Water Year Type and Month for the Analysis based on Zeug and Cavallo (2014)	Figure 12B-2 shows a graphical summary of proportional Juvenile Winter-Run Chinook Salmon Salvage. Results are discussed in Chapter 12, Fish and Aquatic Resources.
12B-3	Minimum Proportional Overlap of DSM2-HYDRO Velocity in the North Delta between Existing Conditions and Alternatives 1/3, September–November	Figure 12B-3 shows the Minimum Proportional Overlap of DSM2-HYDRO Velocity in the North Delta between Existing Conditions and Alternatives 1/3, September–November. Results are discussed in Chapter 12, Fish and Aquatic Resources.
12B-4	Minimum Proportional Overlap of DSM2-HYDRO Velocity in the North Delta between Existing Conditions and Alternatives 2a/4a, September–November	Figure 12B-4 show the Minimum Proportional Overlap of DSM2-HYDRO Velocity in the North Delta between Existing Conditions and Alternatives 2a/4a, September–November Results are discussed in Chapter 12, Fish and Aquatic Resources.
12B-5	Minimum Proportional Overlap of DSM2-HYDRO Velocity in the North Delta between Existing Conditions and Alternatives 2b/4b, September–November	Figure 12B-5 shows the Minimum Proportional Overlap of DSM2-HYDRO Velocity in the North Delta between Existing Conditions and Alternatives 2b/4b, September–November. Results are discussed in Chapter 12, Fish and Aquatic Resources.

Figure Number	Figure Title	Description of Figure
12B-6	Minimum Proportional Overlap of DSM2-HYDRO Velocity in the North Delta between Existing Conditions and Alternatives 2c/4c, September–November	Figure 12B-6 shows the Minimum Proportional Overlap of DSM2-HYDRO Velocity in the North Delta between Existing Conditions and Alternatives 2c/4c, September–November. Results are discussed in Chapter 12, Fish and Aquatic Resources.
12B-7	Minimum Proportional Overlap of DSM2-HYDRO Velocity in the North Delta between Existing Conditions and Alternative 5, September–November	Figure 12B-7 shows the Minimum Proportional Overlap of DSM2-HYDRO Velocity in the North Delta between Existing Conditions and Alternative 5, September–November. Results are discussed in Chapter 12, Fish and Aquatic Resources.
12B-8	Minimum Proportional Overlap of DSM2-HYDRO Velocity in the South Delta between Existing Conditions and Alternatives 1/3, September–November	Figure 12B-8 shows the Minimum Proportional Overlap of DSM2-HYDRO Velocity in the South Delta between Existing Conditions and Alternatives 1/3, September–November. Results are discussed in Chapter 12, Fish and Aquatic Resources.
12B-9	Minimum Proportional Overlap of DSM2-HYDRO Velocity in the South Delta between Existing Conditions and Alternatives 2a/4a, September–November	Figure 12B-9 shows the Minimum Proportional Overlap of DSM2-HYDRO Velocity in the South Delta between Existing Conditions and Alternatives 2a/4a, September–November. Results are discussed in Chapter 12, Fish and Aquatic Resources.
12B-10	Minimum Proportional Overlap of DSM2-HYDRO Velocity in the South Delta between Existing Conditions and Alternatives 2b/4b, September–November	Figure 12B-10 shows the Minimum Proportional Overlap of DSM2-HYDRO Velocity in the South Delta between Existing Conditions and Alternatives 2b/4b, September–November. Results are discussed in Chapter 12, Fish and Aquatic Resources.
12B-11	Minimum Proportional Overlap of DSM2-HYDRO Velocity in the South Delta between Existing Conditions and Alternatives 2c/4c, September–November	Figure 12B-11 shows the Minimum Proportional Overlap of DSM2-HYDRO Velocity in the South Delta between Existing Conditions and Alternatives 2c/4c, September–November. Results are discussed in Chapter 12, Fish and Aquatic Resources.
12B-12	Minimum Proportional Overlap of DSM2-HYDRO Velocity in the South Delta between Existing Conditions and Alternative 5, September–November	Minimum Proportional Overlap of DSM2-HYDRO Velocity in the South Delta between Existing Conditions and Alternative 5, September–November. Results are discussed in Chapter 12, Fish and Aquatic Resources.
12B-13	Minimum Proportional Overlap of DSM2-HYDRO Velocity in the North Delta between Existing Conditions and Alternatives 1/3, December–February	Figure 12B-13 shows the Minimum Proportional Overlap of DSM2-HYDRO Velocity in the North Delta between Existing Conditions and Alternatives 1/3, December–February. Results are discussed in Chapter 12, Fish and Aquatic Resources.
12B-14	Minimum Proportional Overlap of DSM2-HYDRO Velocity in the North Delta between Existing Conditions and Alternatives 2a/4a, December–February	Figure 12B-14 shows the Minimum Proportional Overlap of DSM2-HYDRO Velocity in the North Delta between Existing Conditions and Alternatives 2a/4a, December–February. Results are discussed in Chapter 12, Fish and Aquatic Resources.

Figure Number	Figure Title	Description of Figure
12B-15	Minimum Proportional Overlap of DSM2-HYDRO Velocity in the North Delta between Existing Conditions and Alternatives 2b/4b, December–February	Figure 12B-15 shows the Minimum Proportional Overlap of DSM2-HYDRO Velocity in the North Delta between Existing Conditions and Alternatives 2b/4b, December–February. Results are discussed in Chapter 12, Fish and Aquatic Resources.
12B-16	Minimum Proportional Overlap of DSM2-HYDRO Velocity in the North Delta between Existing Conditions and Alternatives 2c/4c, December–February	Figure 12B-16 shows the Minimum Proportional Overlap of DSM2-HYDRO Velocity in the North Delta between Existing Conditions and Alternatives 2c/4c, December–February. Results are discussed in Chapter 12, Fish and Aquatic Resources.
12B-17	Minimum Proportional Overlap of DSM2-HYDRO Velocity in the North Delta between Existing Conditions and Alternative 5, December–February	Figure 12B-17 shows the Minimum Proportional Overlap of DSM2-HYDRO Velocity in the North Delta between Existing Conditions and Alternative 5, December–February. Results are discussed in Chapter 12, Fish and Aquatic Resources.
12B-18	Minimum Proportional Overlap of DSM2-HYDRO Velocity in the South Delta between Existing Conditions and Alternatives 1/3, December–February	Figure 12B-18 shows the Minimum Proportional Overlap of DSM2-HYDRO Velocity in the South Delta between Existing Conditions and Alternatives 1/3, December–February. Results are discussed in Chapter 12, Fish and Aquatic Resources.
12B-19	Minimum Proportional Overlap of DSM2-HYDRO Velocity in the South Delta between Existing Conditions and Alternatives 2a/4a, December–February	Figure 12B-19 shows the Minimum Proportional Overlap of DSM2-HYDRO Velocity in the South Delta between Existing Conditions and Alternatives 2a/4a, December–February. Results are discussed in Chapter 12, Fish and Aquatic Resources.
12B-20	Minimum Proportional Overlap of DSM2-HYDRO Velocity in the South Delta between Existing Conditions and Alternatives 2b/4b, December–February	Figure 12B-20 shows the Minimum Proportional Overlap of DSM2-HYDRO Velocity in the South Delta between Existing Conditions and Alternatives 2b/4b, December–February. Results are discussed in Chapter 12, Fish and Aquatic Resources.
12B-21	Minimum Proportional Overlap of DSM2-HYDRO Velocity in the South Delta between Existing Conditions and Alternatives 2c/4c, December–February	Figure 12B-21 shows the Minimum Proportional Overlap of DSM2-HYDRO Velocity in the South Delta between Existing Conditions and Alternatives 2c/4c, December–February. Results are discussed in Chapter 12, Fish and Aquatic Resources.
12B-22	Minimum Proportional Overlap of DSM2-HYDRO Velocity in the South Delta between Existing Conditions and Alternative 5, December–February	Figure 12B-22 shows the Minimum Proportional Overlap of DSM2-HYDRO Velocity in the South Delta between Existing Conditions and Alternative 5, December–February. Results are discussed in Chapter 12, Fish and Aquatic Resources.
12B-23	Minimum Proportional Overlap of DSM2-HYDRO Velocity in the North Delta between Existing Conditions and Alternatives 1/3, March–May	Figure 12B-23 shows the Minimum Proportional Overlap of DSM2-HYDRO Velocity in the North Delta between Existing Conditions and Alternatives 1/3, March–May. Results are discussed in Chapter 12, Fish and Aquatic Resources.

Figure Number	Figure Title	Description of Figure
12B-24	Minimum Proportional Overlap of DSM2-HYDRO Velocity in the North Delta between Existing Conditions and Alternatives 2a/4a, March–May	Figure 12B-24 shows the Minimum Proportional Overlap of DSM2-HYDRO Velocity in the North Delta between Existing Conditions and Alternatives 2a/4a, March–May. Results are discussed in Chapter 12, Fish and Aquatic Resources.
12B-25	Minimum Proportional Overlap of DSM2-HYDRO Velocity in the North Delta between Existing Conditions and Alternatives 2b/4b, March–May	Figure 12B-25 shows the Minimum Proportional Overlap of DSM2-HYDRO Velocity in the North Delta between Existing Conditions and Alternatives 2b/4b, March–May. Results are discussed in Chapter 12, Fish and Aquatic Resources.
12B-26	Minimum Proportional Overlap of DSM2-HYDRO Velocity in the North Delta between Existing Conditions and Alternatives 2c/4c, March–May	Figure 12B-26 shows the Minimum Proportional Overlap of DSM2-HYDRO Velocity in the North Delta between Existing Conditions and Alternatives 2c/4c, March–May. Results are discussed in Chapter 12, Fish and Aquatic Resources.
12B-27	Minimum Proportional Overlap of DSM2-HYDRO Velocity in the North Delta between Existing Conditions and Alternative 5, March–May	Figure 12B-27 shows the Minimum Proportional Overlap of DSM2-HYDRO Velocity in the North Delta between Existing Conditions and Alternative 5, March–May. Results are discussed in Chapter 12, Fish and Aquatic Resources.
12B-28	Minimum Proportional Overlap of DSM2-HYDRO Velocity in the South Delta between Existing Conditions and Alternatives 1/3, March–May	Figure 12B-28 shows the Minimum Proportional Overlap of DSM2-HYDRO Velocity in the South Delta between Existing Conditions and Alternatives 1/3, March–May. Results are discussed in Chapter 12, Fish and Aquatic Resources.
12B-29	Minimum Proportional Overlap of DSM2-HYDRO Velocity in the South Delta between Existing Conditions and Alternatives 2a/4a, March–May	Figure 12B-29 shows the Minimum Proportional Overlap of DSM2-HYDRO Velocity in the South Delta between Existing Conditions and Alternatives 2a/4a, March–May. Results are discussed in Chapter 12, Fish and Aquatic Resources.
12B-30	Minimum Proportional Overlap of DSM2-HYDRO Velocity in the South Delta between Existing Conditions and Alternatives 2b/4b, March–May	Figure 12B-30 shows the Minimum Proportional Overlap of DSM2-HYDRO Velocity in the South Delta between Existing Conditions and Alternatives 2b/4b, March–May. Results are discussed in Chapter 12, Fish and Aquatic Resources.
12B-31	Minimum Proportional Overlap of DSM2-HYDRO Velocity in the South Delta between Existing Conditions and Alternatives 2c/4c, March–May	Figure 12B-31 shows the Minimum Proportional Overlap of DSM2-HYDRO Velocity in the South Delta between Existing Conditions and Alternatives 2c/4c, March–May. Results are discussed in Chapter 12, Fish and Aquatic Resources.
12B-32	Minimum Proportional Overlap of DSM2-HYDRO Velocity in the South Delta between Existing Conditions and Alternative 5, March–May	Figure 12B-32 shows the Minimum Proportional Overlap of DSM2-HYDRO Velocity in the South Delta between Existing Conditions and Alternative 5, March–May. Results are discussed in Chapter 12, Fish and Aquatic Resources.

Figure Number	Figure Title	Description of Figure
12B-33	Minimum Proportional Overlap of DSM2-HYDRO Velocity in the North Delta between Existing Conditions and Alternatives 1/3, June–August	Figure 12B-33 shows the Minimum Proportional Overlap of DSM2-HYDRO Velocity in the North Delta between Existing Conditions and Alternatives 1/3, June–August. Results are discussed in Chapter 12, Fish and Aquatic Resources.
12B-34	Minimum Proportional Overlap of DSM2-HYDRO Velocity in the North Delta between Existing Conditions and Alternatives 2a/4a, June–August	Figure 12B-34 shows the Minimum Proportional Overlap of DSM2-HYDRO Velocity in the North Delta between Existing Conditions and Alternatives 2a/4a, June–August. Results are discussed in Chapter 12, Fish and Aquatic Resources.
12B-35	Minimum Proportional Overlap of DSM2-HYDRO Velocity in the North Delta between Existing Conditions and Alternatives 2b/4b, June–August	Figure 12B-35 shows the Minimum Proportional Overlap of DSM2-HYDRO Velocity in the North Delta between Existing Conditions and Alternatives 2b/4b, June–August. Results are discussed in Chapter 12, Fish and Aquatic Resources.
12B-36	Minimum Proportional Overlap of DSM2-HYDRO Velocity in the North Delta between Existing Conditions and Alternatives 2c/4c, June–August	Figure 12B-36 shows the Minimum Proportional Overlap of DSM2-HYDRO Velocity in the North Delta between Existing Conditions and Alternatives 2c/4c, June–August. Results are discussed in Chapter 12, Fish and Aquatic Resources.
12B-37	Minimum Proportional Overlap of DSM2-HYDRO Velocity in the North Delta between Existing Conditions and Alternative 5, June–August	Figure 12B-37 shows the Minimum Proportional Overlap of DSM2-HYDRO Velocity in the North Delta between Existing Conditions and Alternative 5, June–August. Results are discussed in Chapter 12, Fish and Aquatic Resources.
12B-38	Minimum Proportional Overlap of DSM2-HYDRO Velocity in the South Delta between Existing Conditions and Alternatives 1/3, June–August	Figure 12B-38 shows the Minimum Proportional Overlap of DSM2-HYDRO Velocity in the South Delta between Existing Conditions and Alternatives 1/3, June–August. Results are discussed in Chapter 12, Fish and Aquatic Resources.
12B-39	Minimum Proportional Overlap of DSM2-HYDRO Velocity in the South Delta between Existing Conditions and Alternatives 2a/4a, June–August	Figure 12B-39 shows the Minimum Proportional Overlap of DSM2-HYDRO Velocity in the South Delta between Existing Conditions and Alternatives 2a/4a, June–August. Results are discussed in Chapter 12, Fish and Aquatic Resources.
12B-40	Minimum Proportional Overlap of DSM2-HYDRO Velocity in the South Delta between Existing Conditions and Alternatives 2b/4b, June–August	Figure 12B-40 shows the Minimum Proportional Overlap of DSM2-HYDRO Velocity in the South Delta between Existing Conditions and Alternatives 2b/4b, June–August. Results are discussed in Chapter 12, Fish and Aquatic Resources.
12B-41	Minimum Proportional Overlap of DSM2-HYDRO Velocity in the South Delta between Existing Conditions and Alternatives 2c/4c, June–August	Figure 12B-41 shows the Minimum Proportional Overlap of DSM2-HYDRO Velocity in the South Delta between Existing Conditions and Alternatives 2c/4c, June–August. Results are discussed in Chapter 12, Fish and Aquatic Resources.

Figure Number	Figure Title	Description of Figure
12B-42	Minimum Proportional Overlap of DSM2-HYDRO Velocity in the South Delta between Existing Conditions and Alternative 5, June–August	Figure 12B-42 shows the Minimum Proportional Overlap of DSM2-HYDRO Velocity in the South Delta between Existing Conditions and Alternative 5, June–August. Results are discussed in Chapter 12, Fish and Aquatic Resources.
12B-43	Map of Junctions Analyzed for Flow Entry based on DSM2-HYDRO Outputs	Flow into a number of junctions of interest with respect to movement in the north Delta and towards the south Delta was analyzed: Sutter Slough, Steamboat Slough, the Delta Cross Channel, Georgiana Slough, the head of Old River, Turner Cut, Columbia Cut, the mouth of Middle River, the mouth of Old River, Fisherman's Cut, False River, and Jersey Point
12B-44	Proportion of Flow Entering Sutter Slough from DSM2-HYDRO Modeling Data	Figure 12B-44 shows the Proportion of Flow Entering Sutter Slough from DSM2-HYDRO Modeling Data. Results are discussed in Chapter 12, Fish and Aquatic Resources.
12B-45	Proportion of Flow Entering Steamboat Slough from DSM2-HYDRO Modeling Data	Figure 12B-45 shows the Proportion of Flow Entering Steamboat Slough from DSM2-HYDRO Modeling Data. Results are discussed in Chapter 12, Fish and Aquatic Resources.
12B-46	Proportion of Flow Entering the Delta Cross Channel from DSM2-HYDRO Modeling Data	Figure 12B-46 shows the Proportion of Flow Entering the Delta Cross Channel from DSM2-HYDRO Modeling Data. Results are discussed in Chapter 12, Fish and Aquatic Resources.
12B-47	Proportion of Flow Entering Georgiana Slough from DSM2-HYDRO Modeling Data	Figure 12B-47 shows the Proportion of Flow Entering Georgiana Slough from DSM2-HYDRO Modeling Data. Results are discussed in Chapter 12, Fish and Aquatic Resources.
12B-48	Proportion of Flow Entering Head of Old River from DSM2-HYDRO Modeling Data	Figure 12B-48 shows the Proportion of Flow Entering Head of Old River from DSM2-HYDRO Modeling Data. Results are discussed in Chapter 12, Fish and Aquatic Resources.
12B-49	Proportion of Flow Entering Turner Cut from DSM2-HYDRO Modeling Data	Figure 12B-49 shows the Proportion of Flow Entering Turner Cut from DSM2-HYDRO Modeling Data. Results are discussed in Chapter 12, Fish and Aquatic Resources.
12B-50	Proportion of Flow Entering Columbia Cut from DSM2-HYDRO Modeling Data	Figure 12B-50 shows the Proportion of Flow Entering Columbia Cut from DSM2-HYDRO Modeling Data. Results are discussed in Chapter 12, Fish and Aquatic Resources.
12B-51	Proportion of Flow Entering the Mouth of Middle River from DSM2-HYDRO Modeling Data	Figure 12B-51 shows the Proportion of Flow Entering the Mouth of Middle River from DSM2-HYDRO Modeling Data. Results are discussed in Chapter 12, Fish and Aquatic Resources.
12B-52	Proportion of Flow Entering the Mouth of Old River from DSM2-HYDRO Modeling Data	Figure 12B-52 shows the Proportion of Flow Entering the Mouth of Old River from DSM2-HYDRO Modeling Data. Results are discussed in Chapter 12, Fish and Aquatic Resources.
12B-53	Proportion of Flow Entering Fisherman’s Cut from DSM2-HYDRO Modeling Data	Figure 12B-53 shows the Proportion of Flow Entering Fisherman’s Cut from DSM2-HYDRO Modeling Data. Results are discussed in Chapter 12, Fish and Aquatic Resources.

Figure Number	Figure Title	Description of Figure
12B-54	Proportion of Flow Entering False River from DSM2-HYDRO Modeling Data	Figure 12B-54 shows the Proportion of Flow Entering False River from DSM2-HYDRO Modeling Data. Results are discussed in Chapter 12, Fish and Aquatic Resources.
12B-55	Proportion of Flow Entering Jersey Point from DSM2-HYDRO Modeling Data	Figure 12B-55 shows the Proportion of Flow Entering Jersey Point from DSM2-HYDRO Modeling Data. Results are discussed in Chapter 12, Fish and Aquatic Resources.
12B-56	Map of the Sacramento–San Joaquin River Delta Showing the Modeled Reaches and Junctions of the Delta Applied in the Delta Passage Model	Figure 12B-56 shows that the DPM is composed of ten reaches and three junctions selected to represent primary salmonid migration corridors for fish originating from the Sacramento River basin where high-quality data were available for fish and hydrodynamics.
12B-57	Delta Entry Distributions (Daily_P = Daily Proportion) for Chinook Salmon Smolts Applied in the Delta Passage Model for Sacramento River Winter-Run, Central Valley Spring-Run (Sacramento River), Central Valley Fall-Run (Sacramento River), and Central Valley Late Fall–Run	Figure 12B-57 shows that only late fall Chinook Salmon exhibited substantial change from the original fit and the entry distribution for that race was updated
12B-58	Reach-Specific Migration Speed (km/day) as a Function of Flow (m3/s) Applied in Reaches Sac1, Sac2, and Geo/DCC	Figure 12B-58 show that migration speed increased as flow increased for all three reaches
12B-59	Figure from Perry (2010) Depicting the Mean Entrainment Probability (Proportion of Fish Being Diverted into Reach Geo/DCC) as a Function of Fraction of Discharge (Proportion of Flow Entering Reach Geo/DCC)	Figure 12B-59 shows the Mean Entrainment Probability as a Function of Fraction of Discharge
12B-60	Relationship between Sacramento River Discharge and Survival Through the Delta Passage Model Sac1 Reach Modeled with JSATS Releases of Multiple Runs of Juvenile Chinook Salmon	As previously described, only reaches Sac1, Sac2, Sac3, and Sac4 were associated with consistent flow-survival relationships
12B-61	Relationship between Sacramento River Discharge and Survival Through the Delta Passage Model Sac2 Reach Modeled with JSATS Releases of Multiple Runs of Juvenile Chinook Salmon	As previously described, only reaches Sac1, Sac2, Sac3, and Sac4 were associated with consistent flow-survival relationships

Figure Number	Figure Title	Description of Figure
12B-62	Relationship between Sacramento River Discharge and Survival Through the Delta Passage Model Sac3 Reach Modeled with JSATS Releases of Multiple Runs of Juvenile Chinook Salmon	As previously described, only reaches Sac1, Sac2, Sac3, and Sac4 were associated with consistent flow-survival relationships
12B-63	Relationship between Sacramento River Discharge and Survival Through the Delta Passage Model Sac4 Reach Modeled with JSATS Releases of Multiple Runs of Juvenile Chinook Salmon	As previously described, only reaches Sac1, Sac2, Sac3, and Sac4 were associated with consistent flow-survival relationships
12B-64	Relationship between South Delta Exports and Survival through the Delta Passage Model Interior Delta Reach Modeled with JSATS Releases of Multiple Runs of Juvenile Chinook Salmon	Figure 12B-64 shows that for the model that included exports only, the coefficient for the export effect was positive and well supported indicating higher survival probabilities with greater exports
12B-65	Relationship between South Delta Exports and Survival through the Delta Passage Model Interior Delta Reach When Sacramento River at Freeport Discharge was held at its Mean Value, Modeled with JSATS Releases of Multiple Runs of Juvenile Chinook Salmon	Figure 12B-65 shows that in the model including both exports and flow, the export coefficient remained positive but was not well supported with a mean effect that included zero in the distribution
12B-66	Box Plot of Delta Passage Model Results, Winter-Run Chinook Salmon	Tabulated results are presented and results discussed in Chapter 12, Fish and Aquatic Resources
12B-67	Box Plot of Delta Passage Model Results, Spring-Run Chinook Salmon	Tabulated results are presented and results discussed in Chapter 12, Fish and Aquatic Resources
12B-68	Box Plot of Delta Passage Model Results, Fall-Run Chinook Salmon	Tabulated results are presented and results discussed in Chapter 12, Fish and Aquatic Resources
12B-69	Box Plot of Delta Passage Model Results, Late Fall-Run Chinook Salmon	Tabulated results are presented and results discussed in Chapter 12, Fish and Aquatic Resources
12B-70	Time Series Plot of Delta Passage Model Results, Winter-Run Chinook Salmon	Tabulated results are presented and results discussed in Chapter 12, Fish and Aquatic Resources
12B-71	Time Series Plot of Delta Passage Model Results, Spring-Run Chinook Salmon	Tabulated results are presented and results discussed in Chapter 12, Fish and Aquatic Resources

Figure Number	Figure Title	Description of Figure
12B-72	Time Series Plot of Delta Passage Model Results, Fall-Run Chinook Salmon	Tabulated results are presented and results discussed in Chapter 12, Fish and Aquatic Resources
12B-73	Time Series Plot of Delta Passage Model Results, Late Fall-Run Chinook Salmon	Tabulated results are presented and results discussed in Chapter 12, Fish and Aquatic Resources
12B-74	Benches Analyzed for Inundation Effects of the Project Alternatives	Figure 12B-74 shows Benches Analyzed for Inundation Effects of the Project Alternatives. Some riparian and wetland benches were located at the same site, indicated in Table 12B 35 by having the same number in their codes
12B-75	Habitat Suitability Curve for Juvenile Chinook Salmon	Figure 12B-75 shows that water depth was converted to a habitat suitability score by applying the suitability curve from USFWS (2005) for juvenile winter-run Chinook salmon
12B-76	Conceptual Diagram of the IOS Model Stages and Environmental Influences on Survival and Development of Winter-Run Chinook Salmon at Each Stage	Figure 12B-76 shows that The Interactive Object-Oriented Simulation (IOS) model is composed of six model stages defined by a specific spatiotemporal context and are arranged sequentially to account for the entire life cycle of winter-run Chinook salmon, from eggs to returning spawners
12B-77	Relationship between Proportional Daily Mortality of Winter-Run Chinook Salmon Eggs and Water Temperature (Equation 7) for (A) the Entire Temperature Range, and (B) the Predominant Range Found in Model Scenarios	Figure 12B-77 shows the Relationship between Proportional Daily Mortality of Winter-Run Chinook Salmon Eggs and Water Temperature for the Entire Temperature Range, and the Predominant Range Found in Model Scenarios
12B-78	Relationship between Proportional Daily Mortality of Winter-Run Chinook Salmon Fry and Water Temperature (Equation 8) for (A) the Entire Temperature Range, and (B) the Predominant Range Found in Model Scenarios	Figure 12B-78 indicates that proportional daily fry mortality increases rapidly with only small changes in water temperature.
12B-79	Relationship between Flow at Bend Bridge and the Probability of Winter-Run Smolt Survival between Red Bluff and the First Delta Passage Reach at Verona; this Relationship Includes Smolts that Entered the Yolo Bypass and Those that Remained in the Sacramento River	Figure 12B-79 shows that Survival of smolts between Red Bluff Diversion Dam and Fremont Weir is estimated as a function of flow at Bend Bridge.

Figure Number	Figure Title	Description of Figure
12B-80	Winter-Run Chinook Salmon Smolt Delta Entry Distributions Assumed under the Delta Passage Model Compared with Entry Distributions for IOS in 1937, 1994, and 2001	Figure 12B-80 shows that the IOS entry distribution is a unimodal term that tends to peak between the bimodal peaks of the standalone DPM entry distribution.
12B-81	Box Plot of IOS Egg Survival Results	Figure 12B-81 shows a graphical summary of proportional IOS Egg Survival Results. Results are discussed in Chapter 12, Fish and Aquatic Resources.
12B-82	Box Plot of IOS Fry Survival Results	Figure 12B-82 shows a graphical summary of proportional IOS Fry Survival Results. Results are discussed in Chapter 12, Fish and Aquatic Resources.
12B-83	Box Plot of IOS Riverine Juvenile Migration Survival Results	Figure 12B-83 shows a graphical summary of IOS Riverine Juvenile Migration Survival Results. Results are discussed in Chapter 12, Fish and Aquatic Resources.
12B-84	Box Plot of IOS Through-Delta Juvenile Migration Survival Results	Figure 12B-84 shows a graphical summary of IOS Through-Delta Juvenile Migration Survival Results. Results are discussed in Chapter 12, Fish and Aquatic Resources.
12B-85	Box Plot of IOS Female Escapement Results	Figure 12B-85 shows a graphical summary of IOS Female Escapement Results. Results are discussed in Chapter 12, Fish and Aquatic Resources.
12B-86	Time Series of IOS Egg Survival Results	Figure 12B-86 shows a graphical summary of IOS Egg Survival Results. Results are discussed in Chapter 12, Fish and Aquatic Resources.
12B-87	Time Series of IOS Fry Survival Results	Figure 12B-87 shows a graphical summary of proportional IOS Fry Survival Results. Results are discussed in Chapter 12, Fish and Aquatic Resources.
12B-88	Time Series of IOS Riverine Juvenile Migration Survival Results	Figure 12B-88 shows a graphical summary of IOS Riverine Juvenile Migration Survival Results Results. Results are discussed in Chapter 12, Fish and Aquatic Resources.
12B-89	Time Series of IOS Through-Delta Juvenile Migration Survival Results	Figure 12B-89 shows a graphical summary of IOS Through-Delta Juvenile Migration Survival Results. Results are discussed in Chapter 12, Fish and Aquatic Resources.
12B-90	Time Series of IOS Female Escapement Results	Figure 12B-90 shows a graphical summary of IOS Female Escapement Results. Results are discussed in Chapter 12, Fish and Aquatic Resources.
12B-91	Relationship between San Joaquin River at Vernalis 10-Day Average Highest October–November Pulse Flow and Average October–November Base Flow (cfs)	Figure 12B-91 shows the conversion relationships developed from Marston et al.'s (2012) San Joaquin River flow data and export data.

Figure Number	Figure Title	Description of Figure
12B-92	Relationship between South Delta Exports During San Joaquin River at Vernalis 10-Day Average Highest October–November Pulse Flow and Average October–November South Delta Exports During Base Flow Period (cfs)	Figure 12B-92 shows the conversion relationships developed from Marston et al.'s (2012) San Joaquin River flow data and export data.
12B-93	Age-Specific Straying Rate of Adult San Joaquin River Region Fall-Run Chinook Salmon as a Function of the Ratio of October–November Average South Delta Export Flow to San Joaquin River Flow at Vernalis	Figure 12B-93 shows the relationship of south Delta exports to inflow ratio to age-specific percentage straying rate of San Joaquin River region adult fall-run Chinook salmon for the range of export to inflow values examined by Marston et al. (2012)
12B-94	Sweeping Velocity in the UC Davis Fish Treadmill Versus Swimming Velocity of Adult Delta Smelt During Two-Hour Experiments	Figure 12B-94 shows that sweeping velocities in the Fish Treadmill affected the swimming speed of adult delta smelt; when sweeping velocity was experimentally increased (analogous to river velocity), delta smelt increased their swimming speed.
12B-95	Flow Rates Experienced by Delta Smelt in a Swimming Flume Versus Time Until the Fish Were First Impinged Against the Back of the Flume Because They Had Stopped Swimming	Figure 12B-95 shows that delta smelt are unlikely to swim continuously for lengthy periods of time when there is a current.
12B-96	Cumulative Frequency Distributions of Estimated Swimming Velocities of Adult Delta Smelt in the Sacramento River (0.91feet/s minus measured velocity at Freeport) for December–June, 1990–2000 (blue symbols with black line) and December–March, 1990–2000 (red line and symbols) (Note that the y-axis crosses the x-axis at 0.25feet/s, the velocity at which Delta Smelt could swim far enough in one hour to theoretically pass a 900-foot-long fish screen)	Figure 12B-96 shows that hourly river velocities slow enough that delta smelt could swim upstream more than 900 feet in an hour occurred with a frequency of 0.0975 from December through June, 1990–2000, and 0.0572 from December through March, 1990–2000.
12B-97	Density of Delta Smelt from 20 mm Survey 4, 2002	Figure 12B-97 shows that over 70% of larvae were downstream in 1998 (survey 4), with outflow of nearly 70,000 cfs

Figure Number	Figure Title	Description of Figure
12B-98	Daily Mean Chlorophyll a in the Sacramento River at Hood	Figure 12B-98 shows that Data from the Sacramento River at the town of Hood were used to estimate the rate of removal of phytoplankton carbon that otherwise would continue to be transported farther into the Delta.
12B-99	Length-Frequency Histogram of Longfin Smelt Larvae Collected in the Smelt Larvae Survey (Larvae with yolk-sacs are represented by blue bars. The California Department of Fish and Game did not distinguish yolk sac larvae in 2009 and 2010.)	Figure 12B-99 shows that Inspection of size distribution and presence of yolk-sacs of the larval longfin smelt catch from the SLS data suggest that most newly hatched larvae are around 6-mm total length
12B-100	Division of the Delta and Suisun Marsh and Bay Around 20-mm Survey Stations with a Voronoi Diagram	Figure 12B-100 shows that Saha estimated the areas and volumes that each of the 20-mm stations represents within the Delta and Suisun Marsh and Bay using a Voronoi diagram
12B-101	Particle Tracking Injection (Release) Locations Used by DFG (2009a)	Figure 12B-101 shows that PTM results were summarized for the seven particle injection stations analyzed by CDFG
12B-102	Regression of April–May Longfin Smelt Salvage as a Function of Old and Middle River Flow	Figure 12B-102 shows that following Grimaldo et al. (2009), log10(total salvage) was regressed against mean April–May Old and Middle River flow (converted to cubic meters/second). The resulting regression equation was very similar to that obtained by Grimaldo et al.
12B-103	Fit of Best Log-Linear Regression of Longfin Smelt Fall Midwater Trawl Abundance Index as a Function of Delta Outflow (December–May), Ecological Regime (1967–1987, pre-Potamocorbula amurensis invasion; 1988–2002, post-Potamocorbula invasion [shown as Potamocorbula]; and 2003–2020, Pelagic Organism Decline [POD]), and Abundance Index 2 Years Earlier [Log10 FMWT(yr – 2)]).	Twelve log-linear regression models were considered. The best (most statistically supported) of these models included the longfin smelt fall midwater trawl abundance index as a function of December through May Delta outflow, regime, and the fall midwater trawl abundance index two years earlier
12B-104	White Sturgeon Year-Class Index (YCI) for 1980–2011 as Function of Mean April–May Delta Outflow (Upper Panel) and Mean March–July Delta Outflow (Lower Panel) in Cubic Feet Per Second (cfs)	Historical data for white sturgeon year-class index were regressed against historical mean Delta outflow data from March through July and from April through May. These regressions were then applied to the CalSim modeled scenarios using PROC GLM and PROC PLM in SAS/STAT software, Version 9.4 of the SAS System for Windows.

Figure Number	Figure Title	Description of Figure
12B-105	Predicted Probability of Delta Smelt Detection in Beach Seines Upstream and Downstream of the Freeport Regional Water Authority Intake	The ratio of upstream to downstream detection probability was highest during the pre-construction period, lowest during the construction period, and intermediate during the post-construction period, although the interaction between location and period was not statistically significant

39.14.2.1 Attachment 12B-1

Figure Number	Figure Title	Description of Figure
Figure 1	Difference (Alternative–EC) in median spawner abundance for model years 1922 –2014. Positive values indicate higher abundances under alternatives relative to the baseline existing condition (EC).	This figure shows that Median abundance was the highest under Alt 2a/4a relative to the existing condition (EC) and to all other alternatives
Figure 2	Difference (Alt -EC) in spawner abundance for model years 1922 –2014. Positive values indicate higher abundances under alternatives relative to the existing condition (EC). Median (red line) and 80% intervals (gray) across 1000 Monte Carlo simulations are presented.	This figure shows that uncertainty in the abundances followed these general patterns in which the spawner abundances in the alternatives and the EC were consistently equivalent during the 1940's and 1990's
Figure 3	Probability of quasi-extinction (spawner abundance < 100) showing the existing condition (EC)(black) and alternatives (left). Difference (Alt–EC) in the probability of quasi-extinction(right); thus, negative values indicate lower probability of quasi-extinction.	This figure shows that Performance of the alternatives relative to the EC indicated that Alt 2a/4a had consistently lower probabilities of quasi-extinction than the EC. All alternatives except Alt 2b/4b had lower quasi-extinction probabilities than the EC; the rankings of the alternatives from the greatest to least reduction in quasi-extinction was Alt 2a/4a, Alt 5, Alt 1/3, Alt 2c/4c, and Alt 2b/4b.
Figure 4	Median difference (Alt –EC) in survival of the egg through fry stages which includes thermal mortality and Bend Bridge flow effects.	This figure shows that the survival differences in the egg through fry stage were greatest for alternative Alt2a/4a, and average survival across the modeled years was higher in Alt 2a/4a than the EC
Figure 5	Difference (ALT –NAA) in survival of the egg through fry stages which includes thermal mortality and Bend Bridge flow effects. Median (red line) and 80% intervals (gray) across 1000 Monte Carlo simulations are presented.	This figure shows that in most years, the survival of the alternatives and EC were similar, with a few years having large positive or negative differences

Figure Number	Figure Title	Description of Figure
Figure 6	Median difference (Alt–EC) in survival of the delta stage which includes access to Yolo bypass and export effects.	This figure shows that there was little difference in the survival rates of the alternatives relative to the EC in the delta and median differences between the alternatives and the EC were within +/- 5e-04
Figure 7	Difference (Alt –EC) in survival of the delta stage which includes access to Yolo bypass and export effects. Median (red line) and 80% intervals (gray) across 1000 Monte Carlo simulations are presented.	This figure shows that Uncertainty in the estimates was small and 80th percentile intervals were consistently within +/- 5 e-03
Figure 8	Difference (Alt –EC) in temperature (degrees F) between the existing condition (EC) and the alternatives.	This figure shows that the average difference in temperatures was similar across alternatives and all alternatives had lower average temperatures relative to the EC
Figure 9	Difference (Alt –EC) in flow (cubic feet per second, cfs) between the existing condition (EC) and the alternatives.	This figure shows that, on average, the flow was ~ 100 cfs higher in Alt 2a/4a compared to the EC, although this difference was most pronounced in four years
Figure 10	Difference (Alternative–EC) in median spawner abundance for model years 1922 –2014 with mortality sensitivities. Positive values indicate higher abundances under alternatives relative to the baseline existing condition (EC).	This figure shows that the median difference in spawner abundance was greater than the EC on average under Alt 2a/4a with 0% and 5% mortality over the 1928 – 2014 period, whereas the median difference was less than the EC on average under the 10% mortality level
Figure 11	Probability of quasi-extinction (spawner abundance < 100) showing the existing condition (EC) (black) and alternatives (left). Difference (Alt –EC) in the probability of quasi-extinction (right); thus, negative values indicate lower probability of quasi-extinction.	This figure shows that the effects of the near field mortality increased the probability of quasi-extinction in the 1950s - 1970s.
Figure 12	Difference (Alternative–EC) in median spawner abundance for model years 1922 –2014 with mortality sensitivities. Positive values indicate higher abundances under alternatives relative to the baseline existing condition (EC).	This figure shows that the sensitivity analysis for Alt 1/3 indicated that lower abundances would occur when nearfield mortality was included and the spawner abundances were lower than the EC for the 5% and 10% mortality levels

Figure Number	Figure Title	Description of Figure
Figure 13	Probability of quasi-extinction (spawner abundance < 100) showing the existing condition (EC) (black) and alternatives (left). Difference (Alt –EC) in the probability of quasi-extinction (right); thus, negative values indicate lower probability of quasi-extinction.	This figure shows that the levels of spawner abundance were often decreased to below the quasi-extinction threshold of 100 spawners, which increased the probability of quasi-extinction relative to the EC
Figure 14	Difference (Alternative–EC) in median spawner abundance for model years 1922 –2014 with mortality sensitivities. Positive values indicate higher abundances under alternatives relative to the baseline existing condition (EC).	This figure shows that the results for Alt 2b/4b under increased mortality were likewise lower than the EC
Figure 15	Probability of quasi-extinction (spawner abundance < 100) showing the existing condition (EC) (black) and alternatives (left). Difference (Alt –EC) in the probability of quasi-extinction (right); thus, negative values indicate lower probability of quasi-extinction.	This figure shows that the additional mortality decreased the abundance to below 100 spawners in many of the Monte Carlo iterations, thus increasing the probability of quasi-extinction.
Figure 16	Difference (Alternative–EC) in median spawner abundance for model years 1922 –2014 with mortality sensitivities. Positive values indicate higher abundances under alternatives relative to the baseline existing condition (EC).	This figure shows that the results of the sensitivity analysis for Alt 2c/4c indicated decreases in the spawner abundance relative to the EC as the near field mortality rate increased
Figure 17	Probability of quasi-extinction (spawner abundance < 100) showing the existing condition (EC) (black) and alternatives (left). Difference (Alt –EC) in the probability of quasi-extinction (right); thus, negative values indicate lower probability of quasi-extinction.	This figure shows that as a result of the lower abundance, the probability of quasi-extinction increased under the higher mortality levels

Figure Number	Figure Title	Description of Figure
Figure 18	Difference (Alternative–EC) in median spawner abundance for model years 1922 –2014 with mortality sensitivities. Positive values indicate higher abundances under alternatives relative to the baseline existing condition (EC).	This figure shows that when the near field mortality was assumed to be 0%, the average spawner abundances were greater than the EC; however, when the nearfield mortality rate was assumed to be 5%, the average Alt 5 spawner abundances decreased to levels below the EC on average
Figure 19	Probability of quasi-extinction (spawner abundance < 100) showing the existing condition (EC) (black) and alternatives (left). Difference (Alt –EC) in the probability of quasi-extinction (right); thus, negative values indicate lower probability of quasi-extinction.	This figure shows that, as in previous evaluations of the near field mortality, the decrease in spawner abundances resulted in increased probabilities of quasi-extinction due to the additional mortality

39.14.3 Appendix 12C

Figure Number	Figure Title	Description of Figure
12C-1	Proportion of Flow Entering the Mouth of Old River from DSM2-HYDRO Modeling Data	Figure 12C-1 shows the Proportion of Flow Entering the Mouth of Old River from DSM2-HYDRO Modeling Data
12C-2	Proportion of Flow Entering Fisherman's Cut from DSM2-HYDRO Modeling Data	Figure 12C-2 shows the Proportion of Flow Entering Fisherman's Cut from DSM2-HYDRO Modeling Data
12C-3	Proportion of Flow Entering False River from DSM2-HYDRO Modeling Data	Figure 12C-3 shows the Proportion of Flow Entering False River from DSM2-HYDRO Modeling Data
12C-4	Proportion of Flow Entering Jersey Point from DSM2-HYDRO Modeling Data	Figure 12C-4 shows the Proportion of Flow Entering Jersey Point from DSM2-HYDRO Modeling Data
12C-5	Violin Plots of Predicted Longfin Smelt Fall Midwater Trawl Index by Water Year Type from Application of the Delta Outflow-Abundance Index Method	Figure 12C-5 shows Violin Plots of Predicted Longfin Smelt Fall Midwater Trawl Index by Water Year Type from Application of the Delta Outflow-Abundance Index Method
12C-6	Time Series Plots of Predicted Longfin Smelt Fall Midwater Trawl Index from Application of the Delta Outflow-Abundance Index Method	Figure 12C-6 shows Time Series Plots of Predicted Longfin Smelt Fall Midwater Trawl Index from Application of the Delta Outflow-Abundance Index Method

39.15 Chapter 13

Figure Number	Figure Title	Description of Figure
13-1	Modeled Habitat in Relation to Suitable and Occupied Habitat	Figure 13-1 shows the stepwise process to identify modeled habitat, suitable habitat, and occupied habitat for special-status species
Mapbook 13-1: Distribution of Natural Communities - Central Alignment (Alternative 1, 2a, 2b, and 2c)/Index	Mapbook 13-1: Index Distribution of Natural Communities - Central Alignment (Alternatives 1, 2a, 2b, and 2c)	This figure shows the sheet index for the distribution of natural communities for the Central Alignment (Alternatives 1, 2a, 2b, and 2c).
Mapbook 13-1: Distribution of Natural Communities - Central Alignment (Alternative 1, 2a, 2b, and 2c)/Sheet 1	Mapbook 13-1: Sheet 1 of 12 Distribution of Natural Communities - Central Alignment (Alternatives 1, 2a, 2b, and 2c)	This figure shows the natural communities along and adjacent to the Central Alignment (Alternatives 1, 2a, 2b, and 2c) between Rush River Road and Pierson District.
Mapbook 13-1: Distribution of Natural Communities - Central Alignment (Alternative 1, 2a, 2b, and 2c)/Sheet 2	Mapbook 13-1: Sheet 2 of 12 Distribution of Natural Communities - Central Alignment (Alternatives 1, 2a, 2b, and 2c)	This figure shows the natural communities along and adjacent to the Central Alignment (Alternatives 1, 2a, 2b, and 2c) between Merritt Island and Staten Island.
Mapbook 13-1: Distribution of Natural Communities - Central Alignment (Alternative 1, 2a, 2b, and 2c)/Sheet 3	Mapbook 13-1: Sheet 3 of 12 Distribution of Natural Communities - Central Alignment (Alternatives 1, 2a, 2b, and 2c)	This figure shows the natural communities along and adjacent to the Central Alignment (Alternatives 1, 2a, 2b, and 2c) between New Hope Tract and Venice Island.

Figure Number	Figure Title	Description of Figure
Mapbook 13-1: Distribution of Natural Communities - Central Alignment (Alternative 1, 2a, 2b, and 2c)/Sheet 4	Mapbook 13-1: Sheet 4 of 12 Distribution of Natural Communities - Central Alignment (Alternatives 1, 2a, 2b, and 2c)	This figure shows the natural communities along and adjacent to the Central Alignment (Alternatives 1, 2a, 2b, and 2c) between Staten Island and Bacon Island.
Mapbook 13-1: Distribution of Natural Communities - Central Alignment (Alternative 1, 2a, 2b, and 2c)/Sheet 5	Mapbook 13-1: Sheet 5 of 12 Distribution of Natural Communities - Central Alignment (Alternatives 1, 2a, 2b, and 2c)	This figure shows the natural communities along and adjacent to the Central Alignment (Alternatives 1, 2a, 2b, and 2c) between Terminous Tract and Lower Roberts Island.
Mapbook 13-1: Distribution of Natural Communities - Central Alignment (Alternative 1, 2a, 2b, and 2c)/Sheet 6	Mapbook 13-1: Sheet 6 of 12 Distribution of Natural Communities - Central Alignment (Alternative 1, 2a, 2b, and 2c)	This figure shows the natural communities along and adjacent to the Central Alignment (Alternatives 1, 2a, 2b, and 2c) between State Highway 12 and Del Rio Drive.
Mapbook 13-1: Distribution of Natural Communities - Central Alignment (Alternative 1, 2a, 2b, and 2c)/Sheet 7	Mapbook 13-1: Sheet 7 of 12 Distribution of Natural Communities - Central Alignment (Alternatives 1, 2a, 2b, and 2c)	This figure shows the natural communities along and adjacent to the Central Alignment (Alternatives 1, 2a, 2b, and 2c) between Holland Tract Road and Clifton Court Road.
Mapbook 13-1: Distribution of Natural Communities - Central Alignment (Alternative 1, 2a, 2b, and 2c)/Sheet 8	Mapbook 13-1: Sheet 8 of 12 Distribution of Natural Communities - Central Alignment (Alternatives 1, 2a, 2b, and 2c)	This figure shows the natural communities along and adjacent to the Central Alignment (Alternatives 1, 2a, 2b, and 2c) between Mcdonald Island and Clifton Court Road.

Figure Number	Figure Title	Description of Figure
Mapbook 13-1: Distribution of Natural Communities - Central Alignment (Alternative 1, 2a, 2b, and 2c)/Sheet 9	Mapbook 13-1: Sheet 9 of 12 Distribution of Natural Communities - Central Alignment (Alternatives 1, 2a, 2b, and 2c)	This figure shows the natural communities along and adjacent to the Central Alignment (Alternatives 1, 2a, 2b, and 2c) between Marsh Creek Road and Von Sosten Road.
Mapbook 13-1: Distribution of Natural Communities - Central Alignment (Alternative 1, 2a, 2b, and 2c)/Sheet 10	Mapbook 13-1: Sheet 10 of 12 Distribution of Natural Communities - Central Alignment (Alternatives 1, 2a, 2b, and 2c)	This figure shows the natural communities along and adjacent to the Central Alignment (Alternatives 1, 2a, 2b, and 2c) between Bethel Island and Byron.
Mapbook 13-1: Distribution of Natural Communities - Central Alignment (Alternative 1, 2a, 2b, and 2c)/Sheet 11	Mapbook 13-1: Sheet 11 of 12 Distribution of Natural Communities - Central Alignment (Alternatives 1, 2a, 2b, and 2c)	This figure shows the natural communities along and adjacent to the Central Alignment (Alternatives 1, 2a, 2b, and 2c) between Wright-Elmwood Tract and Dos Reis Road.
Mapbook 13-1: Distribution of Natural Communities - Central Alignment (Alternative 1, 2a, 2b, and 2c)/Sheet 12	Mapbook 13-1: Sheet 12 of 12 Distribution of Natural Communities - Central Alignment (Alternatives 1, 2a, 2b, and 2c)	This figure shows the natural communities along and adjacent to the Central Alignment (Alternatives 1, 2a, 2b, and 2c) between Egbert Tract and Sherman Island.
Mapbook 13-2: Distribution of Natural Communities - Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)/Index	Mapbook 13-2: Index Distribution of Natural Communities - Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)	This figure shows the sheet index for the distribution of natural communities for the Eastern Alignment (Alternatives 3, 4a, 4b, and 4c).

Figure Number	Figure Title	Description of Figure
Mapbook 13-2: Distribution of Natural Communities - Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)/Sheet 1	Mapbook 13-2: Sheet 1 of 9 Distribution of Natural Communities - Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)	This figure shows the natural communities along and adjacent to the Eastern Alignment (Alternatives 3, 4a, 4b, and 4c) between South River Road and Hood Franklin Road.
Mapbook 13-2: Distribution of Natural Communities - Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)/Sheet 2	Mapbook 13-2: Sheet 2 of 9 Distribution of Natural Communities - Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)	This figure shows the natural communities along and adjacent to the Eastern Alignment (Alternatives 3, 4a, 4b, and 4c) between Merritt Island and New Hope Tract.
Mapbook 13-2: Distribution of Natural Communities - Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)/Sheet 3	Mapbook 13-2: Sheet 3 of 9 Distribution of Natural Communities - Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)	This figure shows the natural communities along and adjacent to the Eastern Alignment (Alternatives 3, 4a, 4b, and 4c) between McCormack-Williamson Tract and Bouldin Island.
Mapbook 13-2: Distribution of Natural Communities - Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)/Sheet 4	Mapbook 13-2: Sheet 4 of 9 Distribution of Natural Communities - Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)	This figure shows the natural communities along and adjacent to the Eastern Alignment (Alternatives 3, 4a, 4b, and 4c) between State Highway 12 and Lower Jones Tract.
Mapbook 13-2: Distribution of Natural Communities - Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)/Sheet 5	Mapbook 13-2: Sheet 5 of 9 Distribution of Natural Communities - Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)	This figure shows the natural communities along and adjacent to the Eastern Alignment (Alternatives 3, 4a, 4b, and 4c) between State Highway 12 and Five Mile Drive.

Figure Number	Figure Title	Description of Figure
Mapbook 13-2: Distribution of Natural Communities - Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)/Sheet 6	Mapbook 13-2: Sheet 6 of 9 Distribution of Natural Communities - Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)	This figure shows the natural communities along and adjacent to the Eastern Alignment (Alternatives 3, 4a, 4b, and 4c) between Wright-Elmwood Tract and Klo Road.
Mapbook 13-2: Distribution of Natural Communities - Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)/Sheet 7	Mapbook 13-2: Sheet 7 of 9 Distribution of Natural Communities - Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)	This figure shows the natural communities along and adjacent to the Eastern Alignment (Alternatives 3, 4a, 4b, and 4c) between Lower Roberts Island and Fabian Tract.
Mapbook 13-2: Distribution of Natural Communities - Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)/Sheet 8	Mapbook 13-2: Sheet 8 of 9 Distribution of Natural Communities - Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)	This figure shows the natural communities along and adjacent to the Eastern Alignment (Alternatives 3, 4a, 4b, and 4c) between Orwood Tract and Mountain House.
Mapbook 13-2: Distribution of Natural Communities - Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)/Sheet 9	Mapbook 13-2: Sheet 9 of 9 Distribution of Natural Communities - Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)	This figure shows the natural communities along and adjacent to the Eastern Alignment (Alternatives 3, 4a, 4b, and 4c) between Brentwood and Byron.
Mapbook 13-3: Distribution of Natural Communities - Bethany Alignment (Alternative 5)/Index	Mapbook 13-3: Index Distribution of Natural Communities - Bethany Alignment (Alternative 5)	This figure shows the sheet index for the distribution of natural communities for the Bethany Alignment (Alternative 5).

Figure Number	Figure Title	Description of Figure
Mapbook 13-3: Distribution of Natural Communities - Bethany Alignment (Alternative 5)/Sheet 1	Mapbook 13-3: Sheet 1 of 8 Distribution of Natural Communities - Bethany Alignment (Alternative 5)	This figure shows the natural communities along and adjacent to the Bethany Alignment (Alternative 5) between Rush River Road and Pierson District.
Mapbook 13-3: Distribution of Natural Communities - Bethany Alignment (Alternative 5)/Sheet 2	Mapbook 13-3: Sheet 2 of 8 Distribution of Natural Communities - Bethany Alignment (Alternative 5)	This figure shows the natural communities along and adjacent to the Bethany Alignment (Alternative 5) between Merritt Island and Staten Island.
Mapbook 13-3: Distribution of Natural Communities - Bethany Alignment (Alternative 5)/Sheet 3	Mapbook 13-3: Sheet 3of 8 Distribution of Natural Communities - Bethany Alignment (Alternative 5)	This figure shows the natural communities along and adjacent to the Bethany Alignment (Alternative 5) between New Hope Tract and King Island.
Mapbook 13-3: Distribution of Natural Communities - Bethany Alignment (Alternative 5)/Sheet 4	Mapbook 13-3: Sheet 4 of 8 Distribution of Natural Communities - Bethany Alignment (Alternative 5)	This figure shows the natural communities along and adjacent to the Bethany Alignment (Alternative 5) between New Hope Tract and Bishop Tract.
Mapbook 13-3: Distribution of Natural Communities - Bethany Alignment (Alternative 5)/Sheet 5	Mapbook 13-3: Sheet 5 of 8 Distribution of Natural Communities - Bethany Alignment (Alternative 5)	This figure shows the natural communities along and adjacent to the Bethany Alignment (Alternative 5) between Terminous Tract and Upper Jones Tract.

Figure Number	Figure Title	Description of Figure
Mapbook 13-3: Distribution of Natural Communities - Bethany Alignment (Alternative 5)/Sheet 6	Mapbook 13-3: Sheet 6 of 8 Distribution of Natural Communities - Bethany Alignment (Alternative 5)	This figure shows the natural communities along and adjacent to the Bethany Alignment (Alternative 5) between Wright-Elmwood Tract and Dos Reis Road.
Mapbook 13-3: Distribution of Natural Communities - Bethany Alignment (Alternative 5)/Sheet 7	Mapbook 13-3: Sheet 7 of 8 Distribution of Natural Communities - Bethany Alignment (Alternative 5)	This figure shows the natural communities along and adjacent to the Bethany Alignment (Alternative 5) between Lower Roberts Island and Kelso Road.
Mapbook 13-3: Distribution of Natural Communities - Bethany Alignment (Alternative 5)/Sheet 8	Mapbook 13-3: Sheet 8 of 8 Distribution of Natural Communities - Bethany Alignment (Alternative 5)	This figure shows the natural communities along and adjacent to the Bethany Alignment (Alternative 5) between Byron and Interstate 205.

39.15.1 Appendix 13A

No figures.

39.15.2 Appendix 13B

Figure Number	Figure Title	Description of Figure
13B.1-1	Akali Milk-Vetch Modeled Habitat in the Study Area	Figure 13B.1-1 shows the extent of modeled habitat for Akali Milk-Vetch in the study area.
13B.2-1	Brittlescale Modeled Habitat in the Study Area	Figure 13B.2-1 shows the extent of modeled habitat for Brittlescale in the study area.
13B.3-1	Watershield Modeled Habitat in the Study Area	Figure 13B.3-1 shows the extent of modeled habitat for Watershield in the study area.
13B.4-1	Bristly Sedge Modeled Habitat in the Study Area	Figure 13B.4-1 shows the extent of modeled habitat for Bristly Sedge in the study area.
13B.5-1	Soft Birds Beak Modeled Habitat in the Study Area	Figure 13B.5-1 shows the extent of modeled habitat for Soft Birds Beak in the study area.

Figure Number	Figure Title	Description of Figure
13B.6-1	Bolanders Water Hemlock Modeled Habitat in the Study Area	Figure 13B.6-1 shows the extent of the modeled habitat for Bolanders Water Hemlock in the study area.
13B.7-1	Recurved Larkspur Modeled Habitat in the Study Area	Figure 13B.7-1 shows the extent of the modeled habitat for Recurved Larkspur in the study area.
13B.8-1	Dwarf Downingia Modeled Habitat in the Study Area	Figure 13B.8-1 shows the extent of the modeled habitat for Dwarf Downingia in the study area.
13B.9-1	Eryngium Jepsonii Modeled Habitat in the Study Area	Figure 13B.9-1 shows the extent of the modeled habitat for Eryngium Jepsonii in the study area.
13B.10-1	Delta Button Celery Modeled Habitat in the Study Area	Figure 13B.10-1 shows the extent of the modeled habitat for Delta Button Celery in the study area.
13B.11-1	Spiny Sepaled Button Celery Modeled Habitat in the Study Area	Figure 13B.11-1 shows the extent of the modeled habitat for Spiny Sepaled Button Celery in the study area.
13B.12-1	Diamond-Petaled California Poppy Modeled Habitat in the Study Area	Figure 13B.12-1 shows the extent of the modeled habitat for Diamond-Petaled California Poppy in the study area.
13B.13-1	San Joaquin Spearscale Modeled Habitat in the Study Area	Figure 13B.13-1 shows the extent of the modeled habitat for San Joaquin Spearscale in the study area.
13B.14-1	Woolly Rose Mallow Modeled Habitat in the Study Area	Figure 13B.14-1 shows the extent of the modeled habitat for Woolly Rose Mallow in the study area.
13B.15-1	Delta Tule Pea Modeled Habitat in the Study Area	Figure 13B.15-1 shows the extent of the modeled habitat for Delta Tule Pea in the study area.
13B.16-1	Legenere Modeled Habitat in the Study Area	Figure 13B.16-1 shows the extent of the modeled habitat for Legenere in the study area.
13B.17-1	Heckard’s Pepper Grass Modeled Habitat in the Study Area	Figure 13B.17-1 shows the extent of the modeled habitat for Heckard's Pepper Grass in the study area.
13B.18-1	Mason’s Lilaeopsis Modeled Habitat in the Study Area	Figure 13B.18-1 shows the extent of the modeled habitat for Mason's Lilaeopsis in the study area.
13B.19-1	Delta Mudwort Modeled Habitat in the Study Area	Figure 13B.19-1 shows the extent of the modeled habitat for Delta Mudwort in the study area.
13B.20-1	Shining Navarretia Modeled Habitat in the Study Area	Figure 13B.20-1 shows the extent of the modeled habitat for Shining Navarretia in the study area.
13B.21-1	Eel Grass Pondweed Modeled Habitat in the Study Area	Figure 13B.21-1 shows the extent of the modeled habitat for Eel Grass Pondweed in the study area.
13B.22-1	California Alkali Grass Modeled Habitat in the Study Area	Figure 13B.22-1 shows the extent of the modeled habitat for California Alkali grass in the study area.
13B.23-1	Stanford’s Arrowhead Modeled Habitat in the Study Area	Figure 13B.23-1 shows the extent of the modeled habitat for Stanford's Arrowhead in the study area.
13B.24-1	Marsh Skullcap Modeled Habitat in the Study Area	Figure 13B.24-1 shows the extent of the modeled habitat for Marsh Skullcap in the study area.

Figure Number	Figure Title	Description of Figure
13B.25-1	Side-Flowering Skullcap Modeled Habitat in the Study Area	Figure 13B.25-1 shows the extent of the modeled habitat for Side-Flowering Skullcap in the study area.
13B.26-1	Long-Styled Sand Spurrey Modeled Habitat in the Study Area	Figure 13B.26-1 shows the extent of the modeled habitat for Long Styled Sand Spurrey in the study area.
13B.27-1	Suisun Marsh Ashter Modeled Habitat in the Study Area	Figure 13B.27-1 shows the extent of the modeled habitat for Suisun Marsh Aster in the study area.
13B.28-1	Saline Clover Modeled Habitat in the Study Area	Figure 13B.28-1 shows the extent of the modeled habitat for Saline Clover in the study area.
13B.29-1	Caper-Fruited Tropidocarpum Modeled Habitat in the Study Area	Figure 13B.29-1 shows the extent of the modeled habitat for Caper-fruited Tropidocarpum in the study area.
13B.31-1	Conservancy Fairy Shrimp Modeled Habitat in the Study Area	Figure 13B.31-1 shows the extent of the modeled habitat for Conservancy Fairy Shrimp in the study area.
13B.32-1	Vernal Pool Fairy Shrimp Modeled Habitat in the Study Area	Figure 13B.32-1 shows the extent of the modeled habitat for Vernal Pool Fairy Shrimp in the study area.
13B.33-1	Midvalley Fairy Shrimp Modeled Habitat in the Study Area	Figure 13B.33-1 shows the extent of the modeled habitat for Midvalley Fairy Shrimp in the study area.
13B.34-1	California Linderiella Modeled Habitat in the Study Area	Figure 13B.34-1 shows the extent of the modeled habitat for California Linderiella in the study area.
13B.35-1	Vernal Pool Tadpole Shrimp Modeled Habitat in the Study Area	Figure 13B.35-1 shows the extent of the modeled habitat for Vernal Pool Tadpole Shrimp in the study area.
13B.36-1	Hairy Water Flea Modeled Habitat in the Study Area	Figure 13B.36-1 shows the extent of the modeled habitat for Hairy Water Flea in the study area.
13B.39-1	Valley Elderberry Longhorn Beetle Modeled Habitat in the Study Area	Figure 13B.39-1 shows the extent of the modeled habitat for Valley Elderberry Longhorn Beetle in the study area.
13B.40-1	Delta Green Ground Beetle Modeled Habitat in the Study Area	Figure 13B.40-1 shows the extent of the modeled habitat for Delta Green Ground Beetle in the study area.
13B.41-1	Ricksecker’s Water Scavenger Beetle Modeled Habitat in the Study Area	Figure 13B.41-1 shows the extent of the modeled habitat for Ricksecker's Water Scavenger Beetle in the study area.
13B.42-1	Curved-Foot Hygrotus Diving Beetle Modeled Habitat in the Study Area	Figure 13B.42-1 shows the extent of the modeled habitat for Curved-Foot Hygrotis Diving Beetle in the study area.
13B.43-1	Molestan Blister Beetle Modeled Habitat in the Study Area	Figure 13B.43-1 shows the extent of the modeled habitat for Molestan Blister Beetle in the study area.

Figure Number	Figure Title	Description of Figure
13B.44-1	Blennosperma Vernal Pool Andrenid Bee Modeled Habitat in the Study Area	Figure 13B.44-1 shows the extent of the modeled habitat for Blennosperma Vernal Pool Andrenid Bee in the study area.
13B.45-1	Crotch Bumble Bee Modeled Habitat in the Study Area	Figure 13B.45-1 shows the extent of the modeled habitat for Crotch Bumble Bee in the study area.
13B.46-1	Western Bumble Bee Modeled Habitat in the Study Area	Figure 13B.46-1 shows the extent of the modeled habitat for Western Bumble Bee in the study area.
13B.47-1	California Tiger Salamander Modeled Habitat in the Study Area	Figure 13B.47-1 shows the extent of the modeled habitat for California Tiger Salamander in the study area.
13B.48-1	Western Spadefoot Modeled Habitat in the Study Area	Figure 13B.48-1 shows the extent of the modeled habitat for Western Spadefoot in the study area.
13B.49-1	California Red-Legged Frog Modeled Habitat in the Study Area	Figure 13B.49-1 shows the extent of the modeled habitat for California Red-Legged Frog in the study area.
13B.50-1	Western Pond Turtle Modeled Habitat in the Study Area	Figure 13B.50-1 shows the extent of the modeled habitat for Western Pond Turtle in the study area.
13B.51-1	Coast Horned Lizard Modeled Habitat in the Study Area	Figure 13B.51-1 shows the extent of the modeled habitat for Coast Horned Lizard in the study area.
13B.52-1	Northern California Legless Lizard Modeled Habitat in the Study Area	Figure 13B.52-1 shows the extent of the modeled habitat for Northern California Legless Lizard in the study area.
13B.53-1	California Glossy Snake Modeled Habitat in the Study Area	Figure 13B.53-1 shows the extent of the modeled habitat for California Glossy Snake in the study area.
13B.54-1	San Joaquin Coachwhip Modeled Habitat in the Study Area	Figure 13B.54-1 shows the extent of the modeled habitat for San Joaquin Coachwhip in the study area.
13B.55-1	Giant Garter Snake Modeled Habitat in the Study Area	Figure 13B.55-1 shows the extent of the modeled habitat for Giant Garter Snake in the study area.
13B.56-1	Western Yellow-Billed Cuckoo Modeled Habitat in the Study Area	Figure 13B.56-1 shows the extent of the modeled habitat for Western Yellow Billed Cuckoo in the study area.
13B.57-1	California Black Rail Modeled Habitat in the Study Area	Figure 13B.57-1 shows the extent of the modeled habitat for California Black Rail in the study area.
13B.58-1	Greater Sandhill Crane Modeled Habitat in the Study Area	Figure 13B.58-1 shows the extent of the modeled habitat for Greater Sandhill Crane in the study area.
13B.59-1	Lesser Sandhill Crane Modeled Habitat in the Study Area	Figure 13B.59-1 shows the extent of the modeled habitat for Lesser Sandhill Crane in the study area.
13B.60-1	California Least Tern Modeled Habitat in the Study Area	Figure 13B.60-1 shows the extent of the modeled habitat for California Least Tern in the study area.
13B.61-1	Double-Crested Cormorant Modeled Habitat in the Study Area	Figure 13B.61-1 shows the extent of the modeled habitat for Double-Crested Cormorant in the study area.

Figure Number	Figure Title	Description of Figure
13B.62-1	Least Bittern Modeled Habitat in the Study Area	Figure 13B.62-1 shows the extent of the modeled habitat for Least Bittern in the study area.
13B.63-1	Great Blue Heron Modeled Habitat in the Study Area	Figure 13B.63-1 shows the extent of the modeled habitat for Great Blue Heron in the study area.
13B.64-1	Great Egret Modeled Habitat in the Study Area	Figure 13B.64-1 shows the extent of the modeled habitat for Great Egret in the study area.
13B.65-1	Snowy Egret Modeled Habitat in the Study Area	Figure 13B.65-1 shows the extent of the modeled habitat for Snowy Egret in the study area.
13B.66-1	Black-Crowned Night Heron Modeled Habitat in the Study Area	Figure 13B.66-1 shows the extent of the modeled habitat for Black-Crowned Night Heron in the study area.
13B.67-1	Osprey Modeled Habitat in the Study Area	Figure 13B.67-1 shows the extent of the modeled habitat for Osprey in the study area.
13B.68-1	White-Tailed Kite Modeled Habitat in the Study Area	Figure 13B.68-1 shows the extent of the modeled habitat for White Tailed Kite in the study area.
13B.69-1	Golden Eagle Modeled Habitat in the Study Area	Figure 13B.69-1 shows the extent of the modeled habitat for Golden Eagle in the study area.
13B.70-1	Northern Harrier Modeled Habitat in the Study Area	Figure 13B.70-1 shows the extent of the modeled habitat for Northern Harrier in the study area.
13B.71-1	Cooper’s Hawk Modeled Habitat in the Study Area	Figure 13B.71-1 shows the extent of the modeled habitat for Cooper's Hawk in the study area.
13B.72-1	Swainson’s Hawk Modeled Habitat in the Study Area	Figure 13B.72-1 shows the extent of the modeled habitat for Swainson's Hawk in the study area.
13B.73-1	Ferruginous Hawk Modeled Habitat in the Study Area	Figure 13B.73-1 shows the extent of the modeled habitat for Ferruginous Hawk in the study area.
13B.74-1	Burrowing Owl Modeled Habitat in the Study Area	Figure 13B.74-1 shows the extent of the modeled habitat for Burrowing Owl in the study area.
13B.75-1	Short-Eared Owl Modeled Habitat in the Study Area	Figure 13B.75-1 shows the extent of the modeled habitat for Short-Eared Owl in the study area.
13B.76-1	Loggerhead Shrike Modeled Habitat in the Study Area	Figure 13B.76-1 shows the extent of the modeled habitat for Loggerhead Shrike in the study area.
13B.77-1	Least Bell’s Vireo Modeled Habitat in the Study Area	Figure 13B.77-1 shows the extent of the modeled habitat for Least Bell's Vireo in the study area.
13B.78-1	California Horned Lark Modeled Habitat in the Study Area	Figure 13B.78-1 shows the extent of the modeled habitat for California Horned Lark in the study area.
13B.80-1	Grasshopper Sparrow Modeled Habitat in the Study Area	Figure 13B.80-1 shows the extent of the modeled habitat for Grasshopper Sparrow in the study area.
13B.81-1	Modesto Song Sparrow Modeled Habitat in the Study Area	Figure 13B.81-1 shows the extent of the modeled habitat for Modesto Song Sparrow in the study area.
13B.82-1	Suisun Song Sparrow Modeled Habitat in the Study Area	Figure 13B.82-1 shows the extent of the modeled habitat for Suisun Song Sparrow in the study area.

Figure Number	Figure Title	Description of Figure
13B.83-1	Yellow-Breasted Chat Modeled Habitat in the Study Area	Figure 13B.83-1 shows the extent of the modeled habitat for Yellow-Breasted Chat in the study area.
13B.84-1	Yellow-Headed Blackbird Modeled Habitat in the Study Area	Figure 13B.84-1 shows the extent of the modeled habitat for Yellow-Headed Blackbird in the study area.
13B.85-1	Tricolored Blackbird Modeled Habitat in the Study Area	Figure 13B.85-1 shows the extent of the modeled habitat for Tricolored Blackbird in the study area.
13B.86-1	Saltmarsh Common Yellowthroat Modeled Habitat in the Study Area	Figure 13B.86-1 shows the extent of the modeled habitat for Saltmarsh Common Yellowthroat in the study area.
13B.87-1	Yellow Warbler Modeled Habitat in the Study Area	Figure 13B.87-1 shows the extent of the modeled habitat for Yellow Warbler in the study area.
13B.88-1	Pallid Bat Modeled Habitat in the Study Area	Figure 13B.88-1 shows the extent of the modeled habitat for Pallid Bat in the study area.
13B.89-1	Townsend's Big-Eared Bat Modeled Habitat in the Study Area	Figure 13B.89-1 shows the extent of the modeled habitat for Townsend's Big Eared-Bat in the study area.
13B.90-1	Big Brown Bat Modeled Habitat in the Study Area	Figure 13B.90-1 shows the extent of the modeled habitat for Big Brown Bat in the study area.
13B.91-1	Silver-Haired Bat Modeled Habitat in the Study Area	Figure 13B.91-1 shows the extent of the modeled habitat for Silver-Haired Bat in the study area.
13B.92-1	Western Red Bat Modeled Habitat in the Study Area	Figure 13B.92-1 shows the extent of the modeled habitat for Western Red Bat in the study area.
13B.93-1	Hoary Bat Modeled Habitat in the Study Area	Figure 13B.93-1 shows the extent of the modeled habitat for Hoary Bat in the study area.
13B.94-1	California Myotis Modeled Habitat in the Study Area	Figure 13B.94-1 shows the extent of the modeled habitat for California Myotis in the study area.
13B.95-1	Little Brown Myotis Modeled Habitat in the Study Area	Figure 13B.95-1 shows the extent of the modeled habitat for Little Brown Myotis in the study area.
13B.96-1	Western Small-Footed Myotis Modeled Habitat in the Study Area	Figure 13B.96-1 shows the extent of the modeled habitat for Western Small-Footed Myotis in the study area.
13B.97-1	Yuma Myotis Modeled Habitat in the Study Area	Figure 13B.97-1 shows the extent of the modeled habitat for Yuma Myotis in the study area.
13B.98-1	Western Pipistrelle Modeled Habitat in the Study Area	Figure 13B.98-1 shows the extent of the modeled habitat for Western Pipistrelle in the study area.
13B.99-1	Western Mastiff Bat Modeled Habitat in the Study Area	Figure 13B.99-1 shows the extent of the modeled habitat for Western Mastiff Bat in the study area.
13B.100-1	Mexican Free-Tailed Bat Modeled Habitat in the Study Area	Figure 13B.100-1 shows the extent of the modeled habitat for Mexican Free-Tailed Bat in the study area.
13B.101-1	San Joaquin Kit Fox Modeled Habitat in the Study Area	Figure 13B.101-1 shows the extent of the modeled habitat for San Joaquin Kit Fox in the study area.

Figure Number	Figure Title	Description of Figure
13B.102-1	American Badger Modeled Habitat in the Study Area	Figure 13B.102-1 shows the extent of the modeled habitat for American Badger in the study area.
13B.103-1	San Joaquin Pocket Mouse Modeled Habitat in the Study Area	Figure 13B.103-1 shows the extent of the modeled habitat for San Joaquin Pocket Mouse in the study area.
13B.104-1	Salt Marsh Harvest Mouse Modeled Habitat in the Study Area	Figure 13B.104-1 shows the extent of the modeled habitat for Salt Marsh Harvest Mouse in the study area.
13B.105-1	Riparian Brush Rabbit Modeled Habitat in the Study Area	Figure 13B.105-1 shows the extent of the modeled habitat for Riparian Brush Rabbit in the study area.

39.15.3 Appendix 13C

No figures.

39.15.4 Appendix 13D

No figures.

39.15.5 Appendix 13E

Figure Number	Figure Title	Description of Figure
13E -1	San Francisco Bay Area Critical Linkages	Figure 13E-1 shows the existing terrestrial wildlife connectivity resources, including landscape/habitat blocks, corridors, linkages, riparian corridors, and wildlife movement barriers documented in the study area.
13E -2	California Essential Habitat Connectivity	Figure 13E-2 shows all alternatives (1, 2a, 2b, 2c, 3, 4a, 4b, 4c, and 5) that would result in impacts on natural landscape blocks.
13E -3	Areas of Conservation Emphasis (ACE)–Terrestrial Connectivity	Figure 13E-3 shows that all alternatives result in impacts on ACE terrestrial connectivity. Both the central (Alternatives 1, 2a, 2b, and 2c) and eastern (Alternatives 3, 4a, 4b, and 4c) alignments would affect areas ACE identified as irreplaceable and essential corridors to terrestrial connectivity.
13E -4	Missing Linkages in California's Landscape	Figure 13E-4 shows all alternatives (1, 2a, 2b, 2c, 3, 4a, 4b, 4c, and 5) that would result in impacts on the North South Cross Delta Linkage area.
13E -5	University of California, Davis Core Reserves, and Corridors	Figure 13E-5 shows that all alternatives (1, 2a, 2b, 2c, 3, 4a, 4b, 4c, and 5) would result in impacts on University of California, Davis-identified Core Reserves and Corridors.
13E -6	Wildlife Corridor–San Joaquin Valley	Figure 13E-6 shows a map of the wildlife corridor within San Joaquin Valley
13E -7	Wildlife Movement Barrier Priorities	Figure 13E-7 depicts a map that shows the wildlife movement barrier priorities within the study area.

Figure Number	Figure Title	Description of Figure
13E -8	Wildlife-Vehicle Collision	Figure 13E-8 depicts a map that shows wildlife vehicle collisions in the study area.

39.15.6 Appendix 13F

No figures.

39.15.7 Appendix 13G

Figure Number	Figure Title	Description of Figure
13G-1a	Greater and Lesser Sandhill Crane Noise Impacts: Medium-Term Pile Driving and Heavy Construction (Combined) from Alternative 2a (North)	Figure 13G-1a shows the noise contours of medium-term pile driving and heavy construction (combined) from Alternative 2a (north) on known temporary and permanent roost sites and modeled foraging habitat for greater and lesser cranes.
13G-1b	Greater and Lesser Sandhill Crane Noise Impacts: Medium-Term Pile Driving and Heavy Construction (Combined) from Alternative 2a (South)	Figure 13G-1b shows the noise contours of medium-term pile driving and heavy construction (combined) from Alternative 2a (south) on known temporary and permanent roost sites and modeled foraging habitat for greater and lesser cranes.
13G-2a	Greater and Lesser Sandhill Crane Noise Impacts: Long-Term Construction from Alternative 2a (North)	Figure 13G-2a shows the noise contours of long-term construction from Alternative 2a (north) on known temporary and permanent roost sites and modeled foraging habitat for greater and lesser cranes.
13G-2b	Greater and Lesser Sandhill Crane Noise Impacts: Long-Term Construction from Alternative 2a (South)	Figure 13G-2b shows the noise contours of long-term construction from Alternative 2a (south) on known temporary and permanent roost sites and modeled foraging habitat for greater and lesser cranes.
13G-3a	Greater and Lesser Sandhill Crane Noise Impacts: Short-Term Construction of Linear Features from Alternative 2a (North)	Figure 13G-3a shows the noise contours of short-term construction of linear features from Alternative 2a (north) on known temporary and permanent roost sites and modeled foraging habitat for greater and lesser cranes.
13G-3b	Greater and Lesser Sandhill Crane Noise Impacts: Short-Term Construction of Linear Features from Alternative 2a (South)	Figure 13G-3b shows the noise contours of short-term construction of linear features from Alternative 2a (south) on known temporary and permanent roost sites and modeled foraging habitat for greater and lesser cranes.
13G-4a	Greater and Lesser Sandhill Crane Noise Impacts: Short-Term Pile Driving from Alternative 2a (North)	Figure 13G-4a shows the noise contours of short-term pile driving from Alternative 2a (north) on known temporary and permanent roost sites and modeled foraging habitat for greater and lesser cranes.
13G-4b	Greater and Lesser Sandhill Crane Noise Impacts: Short-Term Pile Driving from Alternative 2a (South)	Figure 13G-4b shows the noise contours of short-term pile driving from Alternative 2a (south) on known temporary and permanent roost sites and modeled foraging habitat for greater and lesser cranes.

Figure Number	Figure Title	Description of Figure
13G-5a	Greater and Lesser Sandhill Crane Noise Impacts: Medium-Term Pile Driving and Heavy Construction (Combined) from Alternative 4a (North)	Figure 13G-5a shows the noise contours of medium-term pile driving and heavy construction (combined) from Alternative 4a (north) on known temporary and permanent roost sites and modeled foraging habitat for greater and lesser cranes.
13G-5b	Greater and Lesser Sandhill Crane Noise Impacts: Medium-Term Pile Driving and Heavy Construction (Combined) from Alternative 4a (South)	Figure 13G-5b shows the noise contours of medium-term pile driving and heavy construction (combined) from Alternative 4a (south) on known temporary and permanent roost sites and modeled foraging habitat for greater and lesser cranes.
13G-6a	Greater and Lesser Sandhill Crane Noise Impacts: Long-Term Construction from Alternative 4a (North)	Figure 13G-6a shows the noise contours of long-term construction from Alternative 4a (north) on known temporary and permanent roost sites and modeled foraging habitat for greater and lesser cranes.
13G-6b	Greater and Lesser Sandhill Crane Noise Impacts: Long-Term Construction from Alternative 4a (South)	Figure 13G-6b shows the noise contours of long-term construction from Alternative 4a (south) on known temporary and permanent roost sites and modeled foraging habitat for greater and lesser cranes.
13G-7a	Greater and Lesser Sandhill Crane Noise Impacts: Short-Term Construction of Linear Features from Alternative 4a (North)	Figure 13G-7a shows the noise contours of short-term construction of linear features from Alternative 4 (north) on known temporary and permanent roost sites and modeled foraging habitat for greater and lesser cranes.
13G-7b	Greater and Lesser Sandhill Crane Noise Impacts: Short-Term Construction of Linear Features from Alternative 4a (South)	Figure 13G-7b shows the noise contours of short-term construction of linear features from Alternative 4 (south) on known temporary and permanent roost sites and modeled foraging habitat for greater and lesser cranes.
13G-8a	Greater and Lesser Sandhill Crane Noise Impacts: Short-Term Pile Driving from Alternative 4a (North)	Figure 13G-8a shows the noise contours of short-term pile driving from Alternative 4 (north) on known temporary and permanent roost sites and modeled foraging habitat for greater and lesser cranes.
13G-8b	Greater and Lesser Sandhill Crane Noise Impacts: Short-Term Pile Driving from Alternative 4a (South)	Figure 13G-8b shows the noise contours of short-term pile driving from Alternative 4 (south) on known temporary and permanent roost sites and modeled foraging habitat for greater and lesser cranes.
13G-9a	Greater and Lesser Sandhill Crane Noise Impacts: Medium-Term Pile Driving and Heavy Construction (Combined) from Alternative 5 (North)	Figure 13G-9a shows the noise contours of medium-term pile driving and heavy construction (combined) from Alternative 5 (north) on known temporary and permanent roost sites and modeled foraging habitat for greater and lesser cranes.
13G-9b	Greater and Lesser Sandhill Crane Noise Impacts: Medium-Term Pile Driving and Heavy Construction (Combined) from Alternative 5 (South)	Figure 13G-9b shows the noise contours of medium-term pile driving and heavy construction (combined) from Alternative 5 (south) on known temporary and permanent roost sites and modeled foraging habitat for greater and lesser cranes.

Figure Number	Figure Title	Description of Figure
13G-10a	Greater and Lesser Sandhill Crane Noise Impacts: Long-Term Construction from Alternative 5 (North)	Figure 13G-10a shows the noise contours of long-term construction from Alternative 5 (north) on known temporary and permanent roost sites and modeled foraging habitat for greater and lesser cranes.
13G-10b	Greater and Lesser Sandhill Crane Noise Impacts: Long-Term Construction from Alternative 5 (South)	Figure 13G-10b shows the noise contours of long-term construction from Alternative 5 (south) on known temporary and permanent roost sites and modeled foraging habitat for greater and lesser cranes.
13G-11a	Greater and Lesser Sandhill Crane Noise Impacts: Short-Term Construction of Linear Features from Alternative 5 (North)	Figure 13G-11a shows the noise contours of short-term construction of linear features from Alternative 5 (north) on known temporary and permanent roost sites and modeled foraging habitat for greater and lesser cranes.
13G-11b	Greater and Lesser Sandhill Crane Noise Impacts: Short-Term Construction of Linear Features from Alternative 5 (South)	Figure 13G-11b shows the noise contours of short-term construction for linear features from Alternative 5 (south) on known temporary and permanent roost sites and modeled foraging habitat for greater and lesser cranes.
13G-12a	Greater and Lesser Sandhill Crane Noise Impacts: Short-Term Pile Driving from Alternative 5 (North)	Figure 13G-12a shows the noise contours of short-term pile driving from Alternative 5 (north) on known temporary and permanent roost sites and modeled foraging habitat for greater and lesser cranes.
13G-12b	Greater and Lesser Sandhill Crane Noise Impacts: Short-Term Pile Driving from Alternative 5 (South)	Figure 13G-12b shows the noise contours of short-term pile driving from Alternative 5 (south) on known temporary and permanent roost sites and modeled foraging habitat for greater and lesser cranes.

39.16 Chapter 14

Figure Number	Figure Title	Description of Figure
14-1	Land Use Study Area	Figure 14-1 shows the land use area which includes land from the following counties: Alameda, Contra Costa, Solano, Sacramento, and San Joaquin.
14-2	Generalize Land Use Designations in the Study Area	Figure 14-2 shows designated land uses within the study area was generated from an aggregate of generalized land use designations from county and city general plans.
Mapbook 14-1: General Plan Land Use Designations – Central Alignment (Alternatives 1, 2a,2b, and 2c)/Index	Mapbook 14-1: Index General Plan Land Use Designations – Central Alignment (Alternatives 1, 2a, 2b, and 2c)	This figure shows the sheet index for general plan land use designations along and adjacent to the Central Alignment (Alternatives 1, 2a, 2b, and 2c).

Figure Number	Figure Title	Description of Figure
Mapbook 14-1: General Plan Land Use Designations – Central Alignment (Alternatives 1, 2a,2b, and 2c)/Sheet 1	Mapbook 14-1: Sheet 1 of 12 General Plan Land Use Designations – Central Alignment (Alternatives 1, 2a, 2b, and 2c)	This figure shows the general plan land use designations along and adjacent to the Central Alignment (Alternatives 1, 2a, 2b, and 2c) between Rush River Drive and Randall Island.
Mapbook 14-1: General Plan Land Use Designations – Central Alignment (Alternative 1, 2a,2b, and 2c)/Sheet 2	Mapbook 14-1: Sheet 2 of 12 General Plan Land Use Designations – Central Alignment (Alternatives 1, 2a, 2b, and 2c)	This figure shows the general plan land use designations along and adjacent to the Central Alignment (Alternatives 1, 2a, 2b, and 2c) between Merritt Island and New Hope Tract.
Mapbook 14-1: General Plan Land Use Designations – Central Alignment (Alternative 1, 2a,2b, and 2c)/Sheet 3	Mapbook 14-1: Sheet 3 of 12 General Plan Land Use Designations – Central Alignment (Alternatives 1, 2a, 2b, and 2c)	This figure shows the general plan land use designations along and adjacent to the Central Alignment (Alternatives 1, 2a, 2b, and 2c) between New Hope Tract and Venice Island.
Mapbook 14-1: General Plan Land Use Designations – Central Alignment (Alternative 1, 2a,2b, and 2c)/Sheet 4	Mapbook 14-1: Sheet 4 of 12 General Plan Land Use Designations – Central Alignment (Alternatives 1, 2a, 2b, and 2c)	This figure shows the general plan land use designations along and adjacent to the Central Alignment (Alternatives 1, 2a, 2b, and 2c) between Staten Island and Bacon Island.
Mapbook 14-1: General Plan Land Use Designations – Central Alignment (Alternative 1, 2a,2b, and 2c)/Sheet 5	Mapbook 14-1: Sheet 5 of 12 General Plan Land Use Designations – Central Alignment (Alternatives 1, 2a, 2b, and 2c)	This figure shows the general plan land use designations along and adjacent to the Central Alignment (Alternatives 1, 2a, 2b, and 2c) between Terminous Tract and Smith Tract.

Figure Number	Figure Title	Description of Figure
Mapbook 14-1: General Plan Land Use Designations – Central Alignment (Alternative 1, 2a,2b, and 2c)/Sheet 6	Mapbook 14-1: Sheet 6 of 12 General Plan Land Use Designations – Central Alignment (Alternatives 1, 2a, 2b, and 2c)	This figure shows the general plan land use designations along and adjacent to the Central Alignment (Alternatives 1, 2a, 2b, and 2c) between State Highway 12 and Smith Tract.
Mapbook 14-1: General Plan Land Use Designations – Central Alignment (Alternative 1, 2a,2b, and 2c)/Sheet 7	Mapbook 14-1: Sheet 7 of 12 General Plan Land Use Designations – Central Alignment (Alternatives 1, 2a, 2b, and 2c)	This figure shows the general plan land use designations along and adjacent to the Central Alignment (Alternatives 1, 2a, 2b, and 2c) between Mildred Island and Clifton Court Road.
Mapbook 14-1: General Plan Land Use Designations – Central Alignment (Alternative 1, 2a,2b, and 2c)/Sheet 8	Mapbook 14-1: Sheet 8 of 12 General Plan Land Use Designations – Central Alignment (Alternatives 1, 2a, 2b, and 2c)	This figure shows the general plan land use designations along and adjacent to the Central Alignment (Alternatives 1, 2a, 2b, and 2c) between Mcdonald Tract and Clifton Court Road.
Mapbook 14-1: General Plan Land Use Designations – Central Alignment (Alternative 1, 2a,2b, and 2c)/Sheet 9	Mapbook 14-1: Sheet 9 of 12 General Plan Land Use Designations – Central Alignment (Alternatives 1, 2a, 2b, and 2c)	This figure shows the general plan land use designations along and adjacent to the Central Alignment (Alternatives 1, 2a, 2b, and 2c) between Marsh Creek Road and Von Sosten Road.
Mapbook 14-1: General Plan Land Use Designations – Central Alignment (Alternative 1, 2a,2b, and 2c)/Sheet 10	Mapbook 14-1: Sheet 10 of 12 General Plan Land Use Designations – Central Alignment (Alternatives 1, 2a, 2b, and 2c)	This figure shows the general plan land use designations along and adjacent to the Central Alignment (Alternatives 1, 2a, 2b, and 2c) between Jersey Island and Byron.

Figure Number	Figure Title	Description of Figure
Mapbook 14-1: General Plan Land Use Designations – Central Alignment (Alternative 1, 2a,2b, and 2c)/Sheet 11	Mapbook 14-1: Sheet 11 of 12 General Plan Land Use Designations – Central Alignment (Alternatives 1, 2a, 2b, and 2c)	This figure shows the general plan land use designations along and adjacent to the Central Alignment (Alternatives 1, 2a, 2b, and 2c) between Wright-Elmwood Tract and Upper Roberts Island.
Mapbook 14-1: General Plan Land Use Designations – Central Alignment (Alternative 1, 2a,2b, and 2c)/Sheet 12	Mapbook 14-1: Sheet 12 of 12 General Plan Land Use Designations – Central Alignment (Alternatives 1, 2a, 2b, and 2c)	This figure shows the general plan land use designations along and adjacent to the Central Alignment (Alternatives 1, 2a, 2b, and 2c) between Ryer Island and Sherman Island.
Mapbook 14-2: General Plan Land Use Designations – Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)/Index	Mapbook 14-2: Index General Plan Land Use Designations – Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)	This figure shows the sheet index for general plan land use designations along and adjacent to the Eastern Alignment (Alternatives 3, 4a, 4b, and 4c).
Mapbook 14-2: General Plan Land Use Designations – Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)/Sheet 1	Mapbook 14-2: Sheet 1 of 9 General Plan Land Use Designations – Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)	This figure shows the general plan land use designations along and adjacent to the Eastern Alignment (Alternatives 3, 4a, 4b, and 4c) between South River Road and Hood Franklin Road.
Mapbook 14-2: General Plan Land Use Designations – Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)/Sheet 2	Mapbook 14-2: Sheet 2 of 9 General Plan Land Use Designations – Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)	Mapbook 14-2: Sheet 2 of 9 General Plan Land Use Designations – Eastern Alignment (Alternatives 3, 4a, 4b, and 4c). This figure shows the general plan land use designations along and adjacent to the Eastern Alignment (Alternatives 3, 4a, 4b, and 4c) between Merritt Island and New Hope Tract.

Figure Number	Figure Title	Description of Figure
Mapbook 14-2: General Plan Land Use Designations – Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)/Sheet 3	Mapbook 14-2: Sheet 3 of 9 General Plan Land Use Designations – Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)	This figure shows the general plan land use designations along and adjacent to the Eastern Alignment (Alternatives 3, 4a, 4b, and 4c) between New Hope Tract and Shin Kee Tract
Mapbook 14-2: General Plan Land Use Designations – Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)/Sheet 4	Mapbook 14-2: Sheet 4 of 9 General Plan Land Use Designations – Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)	This figure shows the general plan land use designations along and adjacent to the Eastern Alignment (Alternatives 3, 4a, 4b, and 4c) between State Highway 12 and Mcdonald Road.
Mapbook 14-2: General Plan Land Use Designations – Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)/Sheet 5	Mapbook 14-2: Sheet 5 of 9 General Plan Land Use Designations – Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)	This figure shows the general plan land use designations along and adjacent to the Eastern Alignment (Alternatives 3, 4a, 4b, and 4c) between State Highway 12 and Shima Tract.
Mapbook 14-2: General Plan Land Use Designations – Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)/Sheet 6	Mapbook 14-2: Sheet 6 of 9 General Plan Land Use Designations – Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)	This figure shows the general plan land use designations along and adjacent to the Eastern Alignment (Alternatives 3, 4a, 4b, and 4c) between Wright-Elmwood Tract and Klo Road.
Mapbook 14-2: General Plan Land Use Designations – Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)/Sheet 7	Mapbook 14-2: Sheet 7 of 9 General Plan Land Use Designations – Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)	This figure shows the general plan land use designations along and adjacent to the Eastern Alignment (Alternatives 3, 4a, 4b, and 4c) between Lower Toberts Island and Fabian Tract.

Figure Number	Figure Title	Description of Figure
Mapbook 14-2: General Plan Land Use Designations – Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)/Sheet 8	Mapbook 14-2: Sheet 8 of 9 General Plan Land Use Designations – Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)	This figure shows the general plan land use designations along and adjacent to the Eastern Alignment (Alternatives 3, 4a, 4b, and 4c) between Upper Jones Tract and California Aqueduct Bikeway.
Mapbook 14-2: General Plan Land Use Designations – Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)/Sheet 9	Mapbook 14-2: Sheet 9 of 9 General Plan Land Use Designations – Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)	This figure shows the general plan land use designations along and adjacent to the Eastern Alignment (Alternatives 3, 4a, 4b, and 4c) between Brentwood and Byron.
Mapbook 14-3: General Plan Land Use Designations –Bethany Alignment (Alternative 5)/Index	Mapbook 14-3: Index General Plan Land Use Designations – Bethany Alignment (Alternative 5)	This figure shows the sheet index for general plan land use designations along and adjacent to the Bethany Alignment (Alternative 5).
Mapbook 14-3: General Plan Land Use Designations –Bethany Alignment (Alternative 5)/Sheet 1	Mapbook 14-3: Sheet 1 of 8 General Plan Land Use Designations – Bethany Alignment (Alternative 5)	This figure shows the general plan land use designations along and adjacent to the Bethany Alignment (Alternative 5) between Rush River Road and Pierson District.
Mapbook 14-3: General Plan Land Use Designations – Bethany Alignment (Alternative 5)/Sheet 2	Mapbook 14-3: Sheet 2 of 8 General Plan Land Use Designations – Bethany Alignment (Alternative 5)	This figure shows the general plan land use designations along and adjacent to the Bethany Alignment (Alternative 5) between Merritt Island and Staten Island.

Figure Number	Figure Title	Description of Figure
Mapbook 14-3: General Plan Land Use Designations – Bethany Alignment (Alternative 5)/Sheet 3	Mapbook 14-3: Sheet 3 of 8 General Plan Land Use Designations – Bethany Alignment (Alternative 5)	This figure shows the general plan land use designations along and adjacent to the Bethany Alignment (Alternative 5) between New Hope Tract and King Island.
Mapbook 14-3: General Plan Land Use Designations – Bethany Alignment (Alternative 5)/Sheet 4	Mapbook 14-3: Sheet 4 of 8 General Plan Land Use Designations – Bethany Alignment (Alternative 5)	This figure shows the general plan land use designations along and adjacent to the Bethany Alignment (Alternative 5) between New Hope Tract and Bishop Tract.
Mapbook 14-3: General Plan Land Use Designations – Bethany Alignment (Alternative 5)/Sheet 5	Mapbook 14-3: Sheet 5 of 8 General Plan Land Use Designations – Bethany Alignment (Alternative 5)	This figure shows the general plan land use designations along and adjacent to the Bethany Alignment (Alternative 5) between King Island and Upper Jones Tract.
Mapbook 14-3: General Plan Land Use Designations – Bethany Alignment (Alternative 5)/Sheet 6	Mapbook 14-3: Sheet 6 of 8 General Plan Land Use Designations – Bethany Alignment (Alternative 5)	This figure shows the general plan land use designations along and adjacent to the Bethany Alignment (Alternative 5) between Wright-Elmwood Tract and Dos Reis Road.
Mapbook 14-3: General Plan Land Use Designations – Bethany Alignment (Alternative 5)/Sheet 7	Mapbook 14-3: Sheet 7 of 8 General Plan Land Use Designations – Bethany Alignment (Alternative 5)	This figure shows the general plan land use designations along and adjacent to the Bethany Alignment (Alternative 5) between Lower Roberts Island and Kelso Road.

Figure Number	Figure Title	Description of Figure
Mapbook 14-3: General Plan Land Use Designations – Bethany Alignment (Alternative 5)/Sheet 8	Mapbook 14-3: Sheet 8 of 8 General Plan Land Use Designations – Bethany Alignment (Alternative 5)	This figure shows the general plan land use designations along and adjacent to the Bethany Alignment (Alternative 5) between Kellogg Creek Road and Interstate 205.

39.17 Chapter 15

Figure Number	Figure Title	Description of Figure
15-1	Crop Distribution in the Study Area	Figure 15-1 shows the distribution of agricultural resources within the Delta, by agricultural crop classification. Six counties lie partially within the statutory Delta: Alameda, Contra Costa, Sacramento, San Joaquin, Solano, and Yolo Counties. Each of these counties supports agricultural production in the Delta.
15-2	Williamson Act Parcels in the Study Area	Figure 15-2 shows the areas of nonrenewal in the study area.
15-3	Farmland Classification in the Study Area	Figure 15-3 shows about 65,000 acres of Grazing Land, Semi-Agricultural and Rural Commercial Land, and Farmland of Local Potential, categories that are not included in estimates of Important Farmland.
Mapbook 15-1: Important Farmland – Central Alignment (Alternative 1, 2a, 2b, and 2c)/Index	Mapbook 15-1: Index Important Farmland – Central Alignment (Alternative 1, 2a, 2b, and 2c)	his figure shows the sheet index for important farmland along and adjacent to the Central Alignment (Alternatives 1, 2a, 2b, and 2c).
Mapbook 15-1: Important Farmland – Central Alignment (Alternative 1, 2a, 2b, and 2c)/Sheet 1	Mapbook 15-1: Sheet 1 of 12 Important Farmland – Central Alignment (Alternative 1, 2a, 2b, and 2c)	This figure shows important farmland along and adjacent to the Central Alignment (Alternative 1, 2a, 2b, and 2c) between Rush River Road and Lambert Road.

Figure Number	Figure Title	Description of Figure
Mapbook 15-1: Important Farmland – Central Alignment (Alternative 1, 2a, 2b, and 2c)/Sheet 2	Mapbook 15-1: Sheet 2 of 12 Important Farmland – Central Alignment (Alternative 1, 2a, 2b, and 2c)	This figure shows important farmland along and adjacent to the Central Alignment (Alternative 1, 2a, 2b, and 2c) between Merritt Island and Staten Island.
Mapbook 15-1: Important Farmland – Central Alignment (Alternative 1, 2a, 2b, and 2c)/Sheet 3	Mapbook 15-1: Sheet 3 of 12 Important Farmland – Central Alignment (Alternative 1, 2a, 2b, and 2c)	This figure shows important farmland along and adjacent to the Central Alignment (Alternative 1, 2a, 2b, and 2c) between New Hope Tract and Venice Island.
Mapbook 15-1: Important Farmland – Central Alignment (Alternative 1, 2a, 2b, and 2c)/Sheet 4	Mapbook 15-1: Sheet 4 of 12 Important Farmland – Central Alignment (Alternative 1, 2a, 2b, and 2c)	This figure shows important farmland along and adjacent to the Central Alignment (Alternative 1, 2a, 2b, and 2c) between Staten Island and Bacon Island.
Mapbook 15-1: Important Farmland – Central Alignment (Alternative 1, 2a, 2b, and 2c)/Sheet 5	Mapbook 15-1: Sheet 5 of 12 Important Farmland – Central Alignment (Alternative 1, 2a, 2b, and 2c)	This figure shows important farmland along and adjacent to the Central Alignment (Alternative 1, 2a, 2b, and 2c) between Terminous Tract and Lower Roberts Island.
Mapbook 15-1: Important Farmland – Central Alignment (Alternative 1, 2a, 2b, and 2c)/Sheet 6	Mapbook 15-1: Sheet 6 of 12 Important Farmland – Central Alignment (Alternative 1, 2a, 2b, and 2c)	This figure shows important farmland along and adjacent to the Central Alignment (Alternative 1, 2a, 2b, and 2c) between State Highway 12 and Smith Tract.

Figure Number	Figure Title	Description of Figure
Mapbook 15-1: Important Farmland – Central Alignment (Alternative 1, 2a, 2b, and 2c)/Sheet 7	Mapbook 15-1: Sheet 7 of 12 Important Farmland – Central Alignment (Alternative 1, 2a, 2b, and 2c)	This figure shows important farmland along and adjacent to the Central Alignment (Alternative 1, 2a, 2b, and 2c) between Bacon Island and Coney Island.
Mapbook 15-1: Important Farmland – Central Alignment (Alternative 1, 2a, 2b, and 2c)/Sheet 8	Mapbook 15-1: Sheet 8 of 12 Important Farmland – Central Alignment (Alternative 1, 2a, 2b, and 2c)	This figure shows important farmland along and adjacent to the Central Alignment (Alternative 1, 2a, 2b, and 2c) between Lower Roberts Island and Clifton Court Road.
Mapbook 15-1: Important Farmland – Central Alignment (Alternative 1, 2a, 2b, and 2c)/Sheet 9	Mapbook 15-1: Sheet 9 of 12 Important Farmland – Central Alignment (Alternative 1, 2a, 2b, and 2c)	This figure shows important farmland along and adjacent to the Central Alignment (Alternative 1, 2a, 2b, and 2c) between Marsh Creek Road and Von Sosten Road.
Mapbook 15-1: Important Farmland – Central Alignment (Alternative 1, 2a, 2b, and 2c)/Sheet 10	Mapbook 15-1: Sheet 10 of 12 Important Farmland – Central Alignment (Alternative 1, 2a, 2b, and 2c)	This figure shows important farmland along and adjacent to the Central Alignment (Alternative 1, 2a, 2b, and 2c) between Jersey Island and Byron.
Mapbook 15-1: Important Farmland – Central Alignment (Alternative 1, 2a, 2b, and 2c)/Sheet 11	Mapbook 15-1: Sheet 11 of 12 Important Farmland – Central Alignment (Alternative 1, 2a, 2b, and 2c)	This figure shows important farmland along and adjacent to the Central Alignment (Alternative 1, 2a, 2b, and 2c) between Wright-Elmwood Tract and Dos Reis Road.

Figure Number	Figure Title	Description of Figure
Mapbook 15-1: Important Farmland – Central Alignment (Alternative 1, 2a, 2b, and 2c)/Sheet 12	Mapbook 15-1: Sheet 12 of 12 Important Farmland – Central Alignment (Alternative 1, 2a, 2b, and 2c)	This figure shows important farmland along and adjacent to the Central Alignment (Alternative 1, 2a, 2b, and 2c) between Ryer Island and Sherman Island.
Mapbook 15-2: Important Farmland – Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)/Index	Mapbook 15-2: Index Important Farmland – Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)	This figure shows the sheet index for important farmland along and adjacent to the Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)
Mapbook 15-2: Important Farmland – Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)/Sheet 1	Mapbook 15-2: Sheet 1 of 9 Important Farmland – Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)	This figure shows important farmland along and adjacent to the Eastern Alignment (Alternatives 3, 4a, 4b, and 4c) between South River Road and and Hood Franklin Road.
Mapbook 15-2: Important Farmland – Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)/Sheet 2	Mapbook 15-2: Sheet 2 of 9 Important Farmland – Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)	This figure shows important farmland along and adjacent to the Eastern Alignment (Alternatives 3, 4a, 4b, and 4c) between Merritt Island and New Hope Tract.
Mapbook 15-2: Important Farmland – Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)/Sheet 3	Mapbook 15-2: Sheet 3 of 9 Important Farmland – Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)	This figure shows important farmland along and adjacent to the Eastern Alignment (Alternatives 3, 4a, 4b, and 4c) between New Hope Tract and State Highway 12.

Figure Number	Figure Title	Description of Figure
Mapbook 15-2: Important Farmland – Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)/Sheet 4	Mapbook 15-2: Sheet 4 of 9 Important Farmland – Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)	This figure shows important farmland along and adjacent to the Eastern Alignment (Alternatives 3, 4a, 4b, and 4c) between State Highway 12 and Lower Roberts Island.
Mapbook 15-2: Important Farmland – Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)/Sheet 5	Mapbook 15-2: Sheet 5 of 9 Important Farmland – Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)	This figure shows important farmland along and adjacent to the Eastern Alignment (Alternatives 3, 4a, 4b, and 4c) between State Highway 12 and Shima Tract.
Mapbook 15-2: Important Farmland – Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)/Sheet 6	Mapbook 15-2: Sheet 6 of 9 Important Farmland – Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)	This figure shows important farmland along and adjacent to the Eastern Alignment (Alternatives 3, 4a, 4b, and 4c) between Wright-Elmwood Tract and Upper Roberts Island.
Mapbook 15-2: Important Farmland – Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)/Sheet 7	Mapbook 15-2: Sheet 7 of 9 Important Farmland – Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)	This figure shows important farmland along and adjacent to the Eastern Alignment (Alternatives 3, 4a, 4b, and 4c) between Lower Jones Road and Fabian Tract.
Mapbook 15-2: Important Farmland – Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)/Sheet 8	Mapbook 15-2: Sheet 8 of 9 Important Farmland – Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)	This figure shows important farmland along and adjacent to the Eastern Alignment (Alternatives 3, 4a, 4b, and 4c) between Orwood Tract and Mountain House.

Figure Number	Figure Title	Description of Figure
Mapbook 15-2: Important Farmland – Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)/Sheet 9	Mapbook 15-2: Sheet 9 of 9 Important Farmland – Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)	This figure shows important farmland along and adjacent to the Eastern Alignment (Alternatives 3, 4a, 4b, and 4c) between Brentwood and Byron.
Mapbook 15-3: Important Farmland – Bethany Alignment (Alternative 5)/Index	Mapbook 15-3: Index Important Farmland – Bethany Alignment (Alternative 5)	This figure shows the sheet index for important farmland along and adjacent to the Bethany Alignment (Alternative 5).
Mapbook 15-3: Important Farmland – Bethany Alignment (Alternative 5)/Sheet 1	Mapbook 15-3: Sheet 1 of 8 Important Farmland – Bethany Alignment (Alternative 5)	This figure shows land under Williamson Act contracts along and adjacent to the Bethany Alignment (Alternative 5) between Rush River Road and Lambert Road.
Mapbook 15-3: Important Farmland – Bethany Alignment (Alternative 5)/Sheet 2	Mapbook 15-3: Sheet 2 of 8 Important Farmland – Bethany Alignment (Alternative 5)	This figure shows land under Williamson Act contracts along and adjacent to the Bethany Alignment (Alternative 5) between Merritt Island and Staten Island.
Mapbook 15-3: Important Farmland – Bethany Alignment (Alternative 5)/Sheet 3	Mapbook 15-3: Sheet 3 of 8 Important Farmland – Bethany Alignment (Alternative 5)	This figure shows land under Williamson Act contracts along and adjacent to the Bethany Alignment (Alternative 5) between New Hope Tract and King Island.
Mapbook 15-3: Important Farmland – Bethany Alignment (Alternative 5)/Sheet 4	Mapbook 15-3: Sheet 4 of 8 Important Farmland – Bethany Alignment (Alternative 5)	This figure shows land under Williamson Act contracts along and adjacent to the Bethany Alignment (Alternative 5) between New Hope Tract and Bishop Tract.

Figure Number	Figure Title	Description of Figure
Mapbook 15-3: Important Farmland – Bethany Alignment (Alternative 5)/Sheet 5	Mapbook 15-3: Sheet 5 of 8 Important Farmland – Bethany Alignment (Alternative 5)	This figure shows land under Williamson Act contracts along and adjacent to the Bethany Alignment (Alternative 5) between King Island and Upper Jones Tract.
Mapbook 15-3: Important Farmland – Bethany Alignment (Alternative 5)/Sheet 6	Mapbook 15-3: Sheet 6 of 8 Important Farmland – Bethany Alignment (Alternative 5)	This figure shows land under Williamson Act contracts along and adjacent to the Bethany Alignment (Alternative 5) between Wright-Elmwood Tract and Dois Reis Road.
Mapbook 15-3: Important Farmland – Bethany Alignment (Alternative 5)/Sheet 7	Mapbook 15-3: Sheet 7 of 8 Important Farmland – Bethany Alignment (Alternative 5)	This figure shows land under Williamson Act contracts along and adjacent to the Bethany Alignment (Alternative 5) between Lower Roberts Island and Kelso Road.
Mapbook 15-3: Important Farmland – Bethany Alignment (Alternative 5)/Sheet 8	Mapbook 15-3: Sheet 8 of 8 Important Farmland – Bethany Alignment (Alternative 5)	This figure shows land under Williamson Act contracts along and adjacent to the Bethany Alignment (Alternative 5) between Byron Tract and Interstate 205.
Mapbook 15-4: Land under Williamson Act Contracts – Central Alignment (Alternative 1, 2a, 2b, and 2c)/Index	Mapbook 15-4: Index Land under Williamson Act Contracts – Central Alignment (Alternative 1, 2a, 2b, and 2c)	This figure shows the sheet index for land under Williamson Act contracts along and adjacent to the Central Alignment (Alternatives 1, 2a, 2b, and 2c).

Figure Number	Figure Title	Description of Figure
Mapbook 15-4: Land under Williamson Act Contracts – Central Alignment (Alternative 1, 2a, 2b, and 2c)/Sheet 1	Mapbook 15-4: Sheet 1 of 12 Land under Williamson Act Contracts – Central Alignment (Alternative 1, 2a, 2b, and 2c)	This figure shows land under Williamson Act contracts along and adjacent to the Central Alignment (Alternative 1, 2a, 2b, and 2c) between Freeport and Lambert Road.
Mapbook 15-4: Land under Williamson Act Contracts – Central Alignment (Alternative 1, 2a, 2b, and 2c)/Sheet 2	Mapbook 15-4: Sheet 2 of 12 Land under Williamson Act Contracts – Central Alignment (Alternative 1, 2a, 2b, and 2c)	This figure shows land under Williamson Act contracts along and adjacent to the Central Alignment (Alternative 1, 2a, 2b, and 2c) between Merritt Island and New Hope Tract.
Mapbook 15-4: Land under Williamson Act Contracts – Central Alignment (Alternative 1, 2a, 2b, and 2c)/Sheet 3	Mapbook 15-4: Sheet 3 of 12 Land under Williamson Act Contracts – Central Alignment (Alternative 1, 2a, 2b, and 2c)	This figure shows land under Williamson Act contracts along and adjacent to the Central Alignment (Alternative 1, 2a, 2b, and 2c) between New Hope Tract and Webb Tract.
Mapbook 15-4: Land under Williamson Act Contracts – Central Alignment (Alternative 1, 2a, 2b, and 2c)/Sheet 4	Mapbook 15-4: Sheet 4 of 12 Land under Williamson Act Contracts – Central Alignment (Alternative 1, 2a, 2b, and 2c)	This figure shows land under Williamson Act contracts along and adjacent to the Central Alignment (Alternative 1, 2a, 2b, and 2c) between Tyler Island and Bacon Island.

Figure Number	Figure Title	Description of Figure
Mapbook 15-4: Land under Williamson Act Contracts – Central Alignment (Alternative 1, 2a, 2b, and 2c)/Sheet 5	Mapbook 15-4: Sheet 5 of 12 Land under Williamson Act Contracts – Central Alignment (Alternative 1, 2a, 2b, and 2c)	This figure shows land under Williamson Act contracts along and adjacent to the Central Alignment (Alternative 1, 2a, 2b, and 2c) between Shin Kee Tract and Lower Roberts Island.
Mapbook 15-4: Land under Williamson Act Contracts – Central Alignment (Alternative 1, 2a, 2b, and 2c)/Sheet 6	Mapbook 15-4: Sheet 6 of 12 Land under Williamson Act Contracts – Central Alignment (Alternative 1, 2a, 2b, and 2c)	This figure shows land under Williamson Act contracts along and adjacent to the Central Alignment (Alternative 1, 2a, 2b, and 2c) between State Highway 12 and Smith Tract.
Mapbook 15-4: Land under Williamson Act Contracts – Central Alignment (Alternative 1, 2a, 2b, and 2c)/Sheet 7	Mapbook 15-4: Sheet 7 of 12 Land under Williamson Act Contracts – Central Alignment (Alternative 1, 2a, 2b, and 2c)	This figure shows land under Williamson Act contracts along and adjacent to the Central Alignment (Alternative 1, 2a, 2b, and 2c) between Mildred Island and Clifton Court Road.
Mapbook 15-4: Land under Williamson Act Contracts – Central Alignment (Alternative 1, 2a, 2b, and 2c)/Sheet 8	Mapbook 15-4: Sheet 8 of 12 Land under Williamson Act Contracts – Central Alignment (Alternative 1, 2a, 2b, and 2c)	This figure shows land under Williamson Act contracts along and adjacent to the Central Alignment (Alternative 1, 2a, 2b, and 2c) between Mcdonald Island and Clifton Court Road.

Figure Number	Figure Title	Description of Figure
Mapbook 15-4: Land under Williamson Act Contracts – Central Alignment (Alternative 1, 2a, 2b, and 2c)/Sheet 9	Mapbook 15-4: Sheet 9 of 12 Land under Williamson Act Contracts – Central Alignment (Alternative 1, 2a, 2b, and 2c)	This figure shows land under Williamson Act contracts along and adjacent to the Central Alignment (Alternative 1, 2a, 2b, and 2c) between State Highway 4 and Von Sosten Road.
Mapbook 15-4: Land under Williamson Act Contracts – Central Alignment (Alternative 1, 2a, 2b, and 2c)/Sheet 10	Mapbook 15-4: Sheet 10 of 12 Land under Williamson Act Contracts – Central Alignment (Alternative 1, 2a, 2b, and 2c)	This figure shows land under Williamson Act contracts along and adjacent to the Central Alignment (Alternative 1, 2a, 2b, and 2c) between Oakley and Byron.
Mapbook 15-4: Land under Williamson Act Contracts – Central Alignment (Alternative 1, 2a, 2b, and 2c)/Sheet 11	Mapbook 15-4: Sheet 11 of 12 Land under Williamson Act Contracts – Central Alignment (Alternative 1, 2a, 2b, and 2c)	This figure shows land under Williamson Act contracts along and adjacent to the Central Alignment (Alternative 1, 2a, 2b, and 2c) between Wright-Elmwood Tract and Dois Reis Road.
Mapbook 15-4: Land under Williamson Act Contracts – Central Alignment (Alternative 1, 2a, 2b, and 2c)/Sheet 12	Mapbook 15-4: Sheet 12 of 12 Land under Williamson Act Contracts – Central Alignment (Alternative 1, 2a, 2b, and 2c)	This figure shows land under Williamson Act contracts along and adjacent to the Central Alignment (Alternative 1, 2a, 2b, and 2c) between Egbert Tract and Bradford Island.

Figure Number	Figure Title	Description of Figure
Mapbook 15-5: Land under Williamson Act Contracts – Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)/Index	Mapbook 15-5: Index Land under Williamson Act Contracts – Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)	This figure shows the sheet index for land under Williamson Act contracts along and adjacent to the Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)
Mapbook 15-5: Land under Williamson Act Contracts – Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)/Sheet 1	Mapbook 15-5: Sheet 1 of 9 Land under Williamson Act Contracts – Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)	This figure shows land under Williamson Act contracts along and adjacent to the Eastern Alignment (Alternatives 3, 4a, 4b, and 4c) between South River Road Hood Franklin Road.
Mapbook 15-5: Land under Williamson Act Contracts – Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)/Sheet 2	Mapbook 15-5: Sheet 2 of 9 Land under Williamson Act Contracts – Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)	This figure shows land under Williamson Act contracts along and adjacent to the Eastern Alignment (Alternatives 3, 4a, 4b, and 4c) between Merritt Island and New Hope Tract.
Mapbook 15-5: Land under Williamson Act Contracts – Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)/Sheet 3	Mapbook 15-5: Sheet 3 of 9 Land under Williamson Act Contracts – Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)	This figure shows land under Williamson Act contracts along and adjacent to the Eastern Alignment (Alternatives 3, 4a, 4b, and 4c) between New Hope Tract and State Highway 12.

Figure Number	Figure Title	Description of Figure
Mapbook 15-5: Land under Williamson Act Contracts – Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)/Sheet 4	Mapbook 15-5: Sheet 4 of 9 Land under Williamson Act Contracts – Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)	This figure shows land under Williamson Act contracts along and adjacent to the Eastern Alignment (Alternatives 3, 4a, 4b, and 4c) between State Highway 12 and Mcdonald Road.
Mapbook 15-5: Land under Williamson Act Contracts – Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)/Sheet 5	Mapbook 15-5: Sheet 5 of 9 Land under Williamson Act Contracts – Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)	This figure shows land under Williamson Act contracts along and adjacent to the Eastern Alignment (Alternatives 3, 4a, 4b, and 4c) between State Highway 12 and Five Mile Drive.
Mapbook 15-5: Land under Williamson Act Contracts – Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)/Sheet 6	Mapbook 15-5: Sheet 6 of 9 Land under Williamson Act Contracts – Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)	This figure shows land under Williamson Act contracts along and adjacent to the Eastern Alignment (Alternatives 3, 4a, 4b, and 4c) between Wright-Elmwood Tract and Klo Road.
Mapbook 15-5: Land under Williamson Act Contracts – Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)/Sheet 7	Mapbook 15-5: Sheet 7 of 9 Land under Williamson Act Contracts – Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)	This figure shows land under Williamson Act contracts along and adjacent to the Eastern Alignment (Alternatives 3, 4a, 4b, and 4c) between Lower Roberts Island and Grimes Road.

Figure Number	Figure Title	Description of Figure
Mapbook 15-5: Land under Williamson Act Contracts – Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)/Sheet 8	Mapbook 15-5: Sheet 8 of 9 Land under Williamson Act Contracts – Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)	This figure shows land under Williamson Act contracts along and adjacent to the Eastern Alignment (Alternatives 3, 4a, 4b, and 4c) between Orwood Tract and Mountain House.
Mapbook 15-5: Land under Williamson Act Contracts – Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)/Sheet 9	Mapbook 15-5: Sheet 9 of 9 Land under Williamson Act Contracts – Eastern Alignment (Alternatives 3, 4a, 4b, and 4c)	This figure shows land under Williamson Act contracts along and adjacent to the Eastern Alignment (Alternatives 3, 4a, 4b, and 4c) between Brentwood and Byron.
Mapbook 15-6: Land under Williamson Act Contracts – Bethany Alignment (Alternative 5)/Index	Mapbook 15-6: Index Land under Williamson Act Contracts – Bethany Alignment (Alternative 5)	This figure shows the sheet index for land under Williamson Act contracts along and adjacent to the Bethany Alignment (Alternative 5).
Mapbook 15-6: Land under Williamson Act Contracts – Bethany Alignment (Alternative 5)/Sheet 1	Mapbook 15-6: Sheet 1 of 8 Land under Williamson Act Contracts – Bethany Alignment (Alternative 5)	This figure shows land under Williamson Act contracts along and adjacent to the Bethany Alignment (Alternative 5) between Rush River Road and Lambert Road.

Figure Number	Figure Title	Description of Figure
Mapbook 15-6: Land under Williamson Act Contracts – Bethany Alignment (Alternative 5)/Sheet 2	Mapbook 15-6: Sheet 2 of 8 Land under Williamson Act Contracts – Bethany Alignment (Alternative 5)	This figure shows land under Williamson Act contracts along and adjacent to the Bethany Alignment (Alternative 5) between Merritt Island and Tyler Island.
Mapbook 15-6: Land under Williamson Act Contracts – Bethany Alignment (Alternative 5)/Sheet 3	Mapbook 15-6: Sheet 3 of 8 Land under Williamson Act Contracts – Bethany Alignment (Alternative 5)	This figure shows land under Williamson Act contracts along and adjacent to the Bethany Alignment (Alternative 5) between New Hope Tract and Bishop Tract.
Mapbook 15-6: Land under Williamson Act Contracts – Bethany Alignment (Alternative 5)/Sheet 4	Mapbook 15-6: Sheet 4 of 8 Land under Williamson Act Contracts – Bethany Alignment (Alternative 5)	This figure shows land under Williamson Act contracts along and adjacent to the Bethany Alignment (Alternative 5) between just north of Kile Road and Bishop Tract.
Mapbook 15-6: Land under Williamson Act Contracts – Bethany Alignment (Alternative 5)/Sheet 5	Mapbook 15-6: Sheet 5 of 8 Land under Williamson Act Contracts – Bethany Alignment (Alternative 5)	This figure shows land under Williamson Act contracts along and adjacent to the Bethany Alignment (Alternative 5) between Terminous Tract and Bacon Island Road.
Mapbook 15-6: Land under Williamson Act Contracts – Bethany Alignment (Alternative 5)/Sheet 6	Mapbook 15-6: Sheet 6 of 8 Land under Williamson Act Contracts – Bethany Alignment (Alternative 5)	This figure shows land under Williamson Act contracts along and adjacent to the Bethany Alignment (Alternative 5) between Wright-Elmwood Tract and Dos Reis Road.

Figure Number	Figure Title	Description of Figure
Mapbook 15-6: Land under Williamson Act Contracts – Bethany Alignment (Alternative 5)/Sheet 7	Mapbook 15-6: Sheet 7 of 8 Land under Williamson Act Contracts – Bethany Alignment (Alternative 5)	This figure shows land under Williamson Act contracts along and adjacent to the Bethany Alignment (Alternative 5) between Lower Roberts Island and Kelso Road.
Mapbook 15-6: Land under Williamson Act Contracts – Bethany Alignment (Alternative 5)/Sheet 8	Mapbook 15-6: Sheet 8 of 8 Land under Williamson Act Contracts – Bethany Alignment (Alternative 5)	This figure shows land under Williamson Act contracts along and adjacent to the Bethany Alignment (Alternative 5) between Byron Tract and Interstate 205.

39.17.1 Appendix 15A

No figures.

39.17.2 Appendix 15B

No figures.

39.17.3 Appendix 15C

No figures.

39.18 Chapter 16

Figure Number	Figure Title	Description of Figure
16-1	Existing Developed Recreation Facilities and Areas	Figure 16-1 identifies public and private recreation facilities in and near the study area, and are categorized as developed recreation facilities.
16-2	Existing Dispersed/Informal Recreation Use Areas	Figure 16-2 identifies many of the important dispersed, or popular informal use areas that recreationists, boaters and shoreline users frequent.

39.18.1 Appendix 16A

No figures.

39.18.1.1 Attachment 16A-1

No figures.

39.18.1.2 Attachment 16A-2

Figure Number	Figure Title	Description of Figure
16A.2-1	Field Reconnaissance Locations	Figure 16A.2-1 shows the field reconnaissance locations as it relates to the project alternatives.

39.18.2 Appendix 16B

No figures.

39.18.3 Appendix 16C

No figures.

39.18.4 Appendix 16D

No figures.

39.19 Chapter 17

Figure Number	Figure Title	Description of Figure
17-1	Steps in Analyzing Changes in Employment and Income as a Result of Constructing and Operating the Delta Conveyance Project	Figure 17-1 provides an overview of the steps that were followed to quantify the potential effects on employment and income as a result of constructing and operating the water conveyance facilities. Quantified socioeconomic effects are measured as changes in employment and income.

39.19.1 Appendix 17A

No figures.

39.20 Chapter 18

Figure Number	Figure Title	Description of Figure
18-1	Key Observation Points and Proposed Rendering Locations	Figure 18-1 shows 10 RKOPs were selected for their ability to illustrate project impacts.
18-2	Key Observation Points 22 and 26	Figure 18-2 shows photographs of observation points 22 and 26.
18-3	Key Observation Points 37 and 39	Figure 18-3 shows photographs of observation points 37 and 39.

Figure Number	Figure Title	Description of Figure
18-4	Key Observation Points 41 and 82	Figure 18-4 shows photographs of observation points 41 and 82.
18-5	Key Observation Points 85 and 94	Figure 18-5 shows photographs of observation points 85 and 94.
18-6	Key Observation Points 97 and 101	Figure 18-6 shows photographs of observation points 97 and 101.
18-7	Natural Harmony, Cultural Order, and Project Site Coherence Ratings	Figure 18-7 shows the natural harmony, cultural order, and project site coherence ratings.
18-8	Visual Quality Ratings	Figure 18-8 shows visual quality ratings.
18-9	Daytime and Nighttime Light and Glare Level Ratings	Figure 18-9 shows daytime and nighttime light and glare level ratings.
18-10	Existing and Rendered Views of Intake C (Alternatives 1, 2a, 2b, 2c, 3, 4a, 4b, 4c, 5)	Figure 18-10 shows the rendered views of intake C (Alternatives 1, 2a, 2b, 2c, 3, 4a, 4b, 4c, 5).
18-11	Existing and Rendered Views of Twin Cities Complex (Alternatives 1, 2a, 2b, 2c, 3, 4a, 4b, 4c, 5)	Figure 18-11 is existing and rendered views of the Twin Cities Complex (Alternatives 1, 2a, 2b, 2c, 3, 4a, 4b, 4c, 5).
18-12	Existing and Rendered Views of Staten Island Maintenance Shaft (Alternatives 1, 2a, 2b, 2c)	Figure 18-12 shows the existing and rendered views of Staten Island maintenance shaft (Alternatives 1, 2a, 2b, 2c).
18-13	Existing and Rendered Views of Bouldin Island Reception and Launch Shaft, Including Reusable Tunnel Material Area (Alternatives 1, 2a, 2b, 2c)	Figure 18-13 shows the existing and rendered views of Bouldin Island Tunnel launch and reception shaft (Alternatives 1, 2a, 2b, 2c).
18-14	Existing and Rendered Views of South Holt Road Overpass (Alternatives 1, 2a, 2b, 2c)	Figure 18-14 shows existing and rendered views of the South Hold Road Overpass (Alternatives 1, 2a, 2b, 2c).
18-15	Existing and Rendered Views of Lower Roberts Island Reception and Launch Shaft (Alternatives 3, 4a, 4b, 4c, 5)	Figure 18-15 shows existing and rendered views of Lower Roberts Island reception and launch shaft (Alternatives 3, 4a, 4b, 4c, 5).
18-16	Existing and Rendered Views of Southern Complex on Byron Tract from Discovery Bay	Figure 18-16 shows the existing and rendered views of Southern Complex on Byron Tract from Discovery Bay (Alternatives 1, 2a, 2b, 2c, 3, 4a, 4b, and 4c).
18-17	Existing and Rendered Views of Southern Complex on Byron Tract from Byron Highway (Alternatives 1, 2a, 2b, 2c, 3, 4a, 4b, 4c)	Figure 18-17 shows existing and rendered views of Southern Complex on Byron Highway (Alternatives 1, 2a, 2b, 2c, 3, 4a, 4b, 4c).
18-18	Existing and Rendered Views of Bethany Complex from Byron Highway (Alternative 5)	Figure 18-18 shows the existing and rendered views of of Bethany Complex from Byron Highway (Alternative 5).

Figure Number	Figure Title	Description of Figure
18-19	Existing and Rendered Views of Bethany Reservoir Discharge Structure from Bethany Reservoir State Recreation Area (Alternative 5)	Figure 18-19 shows existing and rendered views of Bethany Reservoir discharge structure from Bethany Reservoir State Recreation Area (Alternative 5).

39.20.1 Appendix 18A

Figure Number	Figure Title	Description of Figure
18A-1	Visual Assessment Process	
18A-2	Key Observation Points and Proposed Rendering Locations in Northern Portion of Project Area	Figure 18A-2 shows that the overall visual quality, natural harmony, cultural order, and project feature coherence are first assigned a numeric value that translates to a descriptive rating.
18A-3	Key Observation Points and Proposed Rendering Locations in North-Central Portion of Project Area	Figure 18A-3 shows numeric ratings assigned to visual quality.
18A-4	Key Observation Points and Proposed Rendering Locations in South-Central Portion of Project Area	Figure 18A-4 shows that levels of daytime and nighttime light and glare are rated.
18A-5	Key Observation Points and Proposed Rendering Locations in Northern Portion of Project Area	Figure 18A-5 shows the locations of RKOPs in the Northern Portion of the Project Area.
18A-6	Key Observation Points and Proposed Rendering Locations in North-Central Portion of Project Area	Figure 18A-6 shows the locations of RKOPs in the North-Central Portion of the Project Area.
18A-7	Key Observation Points and Proposed Rendering Locations in South-Central Portion of Project Area	Figure 18A-7 shows the locations of RKOPs in the South-Central Portion of the Project Area.
18A-8	Key Observation Points and Proposed Rendering Locations in Southern Portion of Project Area	Figure 18A-8 shows the locations of RKOPs in the Southern Portion of the Project Area.

39.20.2 Appendix 18B

No figures.

39.20.3 Appendix 18C

No figures.

39.20.4 Appendix 18D

No figures.

39.20.5 Appendix 18E

No figures.

39.21 Chapter 19

Figure Number	Figure Title	Description of Figure
19-1	AI-BE for the Delta Conveyance Project	This figure shows the delineation of the AI-BE to capture all potential direct and indirect impacts of the construction and operation of all of the project alternatives on built-environment historical resources
19-2	AI-A for the Delta Conveyance Project	This figure shows the delineation of the AI-A to capture all potential direct impacts of the construction and operation of the project on archaeological resources.

39.21.1 Appendix 19A

No figures.

39.21.2 Appendix 19B

No figures.

39.21.3 Appendix 19C

No figures.

39.21.4 Appendix 19D

No figures.

39.22 Chapter 20

Figure Number	Figure Title	Description of Figure
20-1	Transportation Study Area for the Delta Conveyance Project Alternatives	Figure 20-1 shows that the study area (the area in which impacts may occur) for transportation consists of the facility construction areas, as well as the State Highway System and local roadway segments that could be affected by construction-related and operations and maintenance employee traffic activities associated with the project.

Figure Number	Figure Title	Description of Figure
20-2	Transit and Bicycle Facilities in the Transportation Study Area	Figure 20-2 shows the a variety of intra-city and/or intra-county transit services provided within the cities of the Delta and the existing designated bicycle routes are located along SR 4, SR 12, and SR 160 and River Road through the Delta.
20-3	Commercial Marine and Public Access Ferry Facilities in the Transportation Study Area	Figure 20-3 illustrates the location of the commercial marine facilities and the five public access ferry services that operate within the transportation study area.
20-4	Railroads in the Transportation Study Area	Figure 20-4 shows railroads in the transportation study area.
20-5	Air Facilities in the Transportation Study Area	Figure 20-5 shows numerous air facilities are located within or adjacent to the transportation study area.
20-6	Employee Trips and VMT for Alternative 1	Figure 20-6 shows the results of the daily total employee trips and daily total employee vehicle miles traveled for Alternative 1.
20-7	Employee Trips and VMT for Alternative 2a	Figure 20-7 shows the results of the daily total employee trips and daily total employee vehicle miles traveled for Alternative 2a
20-8	Employee Trips and VMT for Alternative 2b	Figure 20-8 shows the results of the daily total employee trips and daily total employee vehicle miles traveled for Alternative 2b.
20-9	Employee Trips and VMT for Alternative 2c	Figure 20-9 shows the results of the daily total employee trips and daily total employee vehicle miles traveled for Alternative 2c.
20-10	Employee Trips and VMT for Alternative 3	Figure 20-10 shows the results of the daily total employee trips and daily total employee vehicle miles traveled for Alternative 3.
20-11	Employee Trips and VMT for Alternative 4a	Figure 20-11 shows the results of the daily total employee trips and daily total employee vehicle miles traveled for Alternative 4a.
20-12	Employee Trips and VMT for Alternative 4b	Figure 20-12 shows the results of the daily total employee trips and daily total employee vehicle miles traveled for Alternative 4b.
20-13	Employee Trips and VMT for Alternative 4c	Figure 20-13 shows the results of the daily total employee trips and daily total employee vehicle miles traveled for Alternative 4c.
20-14	Employee Trips and VMT for Alternative 5	Figure 20-14 shows the results of the daily total employee trips and daily total employee vehicle miles traveled for Alternative 5.

39.22.1 Appendix 20A

Figure Number	Figure Title	Description of Figure
20A-1	Existing 2020 Conditions - 120 Roadway Segments	Figure 20A-1 shows the 120 study roadway segments.

Figure Number	Figure Title	Description of Figure
20A-2	Existing 2020 Conditions—44 Study Intersections	Figure 20A-2 shows the 44 study intersections.
20A-3	Vehicle Trips Per Day for Alternative 1 (this name is different in the chapter)	Figure 20A-3 shows the daily vehicle trips for Alternative 1.
20A-4	Vehicle Trips Per Day for Alternative 2a	Figure 20A-4 shows the daily vehicle trips for Alternative 2a.
20A-5	Vehicle Trips Per Day for Alternative 2b	Figure 20A-5 shows the daily vehicle trips for Alternative 2b.
20A-6	Vehicle Trips Per Day for Alternative 2c	Figure 20A-6 shows the daily vehicle trips for Alternative 2c.
20A-7	Vehicle Trips Per Day for Alternative 3	Figure 20A-7 shows the daily vehicle trips for Alternative 3.
20A-8	Vehicle Trips Per Day for Alternative 4a	Figure 20A-8 shows the daily vehicle trips for Alternative 4a.
20A-9	Vehicle Trips Per Day for Alternative 4b	Figure 20A-9 shows the daily vehicle trips for Alternative 4b.
20A-10	Vehicle Trips Per Day for Alternative 4c	Figure 20A-10 shows the daily vehicle trips for Alternative 4c.
20A-11	Vehicle Trips Per Day for Alternative 5	Figure 20A-11 shows the daily vehicle trips for Alternative 5.

39.22.2 Appendix 20B

No figures.

39.22.3 Appendix 20C

No figures.

39.23 Chapter 21

Figure Number	Figure Title	Description of Figure
21-1	Law Enforcement Facilities in and near the Study Area	Figure 21-1 shows the law enforcement facilities within the study area; one police station and one substation are within the study area.
21-2	Fire Stations in and near the Study Area	Figure 21-2 shows the location of fire stations/facilities within the study area.
21-3	Hospitals in and near the Study Area	Figure 21-3 shows the hospitals located in and near the study area.
21-4	School Districts and Schools Serving the Study Area	Figure 21-4 illustrates the school districts that serve the study area.

Figure Number	Figure Title	Description of Figure
21-5	Solid Waste Facilities in the Delta Region	Figure 21-5 depicts the study area in which shows no solid waste facilities located within the area.
21-6	Existing Power Transmission Lines in and near the Study Area	Figure 21-6 depicts the electric transmission and distribution lines, power poles, and natural gas lines in the study area.
21-7	Natural Gas Lines in and near the Study Area	Figure 21-7 depicts all the natural gas lines in and near the Study Area.

39.23.1 Appendix 21A

No figures.

39.24 Chapter 22

Figure Number	Figure Title	Description of Figure
22-1	Names, Locations, and Nameplate Capacities of Primary State Water Project Power Facilities	Figure 22-1 shows the names and location of the primary state water project power facilities.

39.24.1 Appendix 22A

No figures.

39.24.2 Appendix 22B

No figures.

39.25 Chapter 23

Figure Number	Figure Title	Description of Figure
23-1	Air Basins and Air Districts in the Regional Air Quality Study Area	Figure 23-1 illustrates the three air basins in the regional study area. The figure also shows the boundaries for the four relevant air districts.
23-2	CalEnviroScreen Ranking Scores	Figure 23-2 presents the CalEnviroScreen (version 4.0) scores for the statutory Delta. The census tracts including Bacon Island, Lower Roberts Island, Upper and Lower Jones Tract, Mandeville Island, and Boggs Tract have the highest (poorest) score in the project area, indicating that communities in this part of the project area have relatively high existing pollution burdens and population sensitivities. The CalEnviroScreen scores improve moving north along the conveyance alignments and to the west.

Figure Number	Figure Title	Description of Figure
23-3	Sensitive Receptors within 1,000 Feet of the Central Conveyance Alignment	Figure 23-3 depicts sensitive receptors within 1,000 feet of surface construction features and adjacent haul routes for the Central Conveyance Alignment.
23-4	Sensitive Receptors within 1,000 Feet of the Eastern Conveyance Alignment	Figure 23-4 depicts sensitive receptors within 1,000 feet of surface construction features and adjacent haul routes for the Eastern Conveyance Alignment.
23-5	Sensitive Receptors within 1,000 Feet of the Bethany Reservoir Alignment	Figure 23-5 depicts sensitive receptors within 1,000 feet of surface construction features and adjacent haul routes for the Bethany Reservoir Alignment.
23-6	DWR Total Emissions 1990-2045 including Alternative 5	Figure 23-6 shows those emissions as they were projected in Update 2020 and how those emissions projections would change with the additional electricity demands needed to operate the SWP with the addition of Alternative 5, which is the alternative with the highest additional pumping demand.
23-7	DWR Total Emissions 1990-2045 including Alternative 5 (revised REPP)	Figure 23-7 shows how modification of the REPP would affect DWR's projected future emissions when considering emissions from Alternative 5.

39.25.1 Appendix 23A

No figures.

39.25.2 Appendix 23B

No figures.

39.25.3 Appendix 23C

Figure Number	Figure Title	Description of Figure
23C-1	Five-Year Wind Rose Sacramento Executive Airport	Figure 23C-1 shows the wind roses for the Sacramento Executive Airport.
23C-2	Five-Year Wind Rose Nut Tree Airport	Figure 23C-2 shows the wind roses for Nut Tree Airport.
23C-3	Five-Year Wind Rose Stockton Airport	Figure 23C-3 shows the wind roses for Stockton Airport.
23C-4	Three-Year Wind Rose Byron Airport, Byron	Figure 23C-4 shows the wind roses for Byron Airport.

39.25.4 Appendix 23D

Figure Number	Figure Title	Description of Figure
23D-1	Health Impact Assessment Air Quality Model Database Domain Relative to the Project	Figure 23D-1 shows that the BAAQMD modeling domain covers the entire Delta Conveyance Project study area and the potential communities affected by the project emissions.

39.25.5 Appendix 23E

No figures.

39.25.6 Appendix 23F

No figures.

39.26 Chapter 24

Figure Number	Figure Title	Description of Figure
24-1	Study Area for Noise and Vibration Effects	Figure 24-1 depicts the locations for the study area for noise and vibration effects.
24-2	Sound Level Measurement Sites	Figure 24-2 depicts the site areas where sound level monitoring was conducted.
24-3	Increase in Cumulative Noise Levels Allowed by Criteria	Figure 24-3 depicts impact curves based on community increases in cumulative noise exposure relative to existing conditions.

39.26.1 Appendix 24A

Figure Number	Figure Title	Description of Figure
24A-1	Index of Figures for Sound Level Contours for Central Alignment Alternative 2a, Heavy Equipment for Facility Buildout	Figure 24A-1 shows the index of figures for sound level Contours for Central Alignment Alternative 2a, heavy equipment for facility buildout.
24A-1a	Sound Level Contours for Central Conveyance Option Alternative 2a, Heavy Equipment for Facility Buildout including Pile Driving	Figure 24A-1a shows the sound level contours for construction of Alternative 2a within Yolo and Sacramento Counties.
24A-1b	Sound Level Contours for Central Conveyance Option Alternative 2a, Heavy Equipment for Facility Buildout including Pile Driving	Figure 24A-1b shows the sound level contours for construction of Alternative 2a (heavy equipment for facility buildout including pile driving) within Sacramento and San Joaquin Counties.
24A-1c	Sound Level Contours for Central Conveyance Option Alternative 2a, Heavy Equipment for Facility Buildout including Pile Driving	Figure 24A-1c shows the sound level contours for construction of Alternative 2a (heavy equipment for facility buildout including pile driving) within San Joaquin and Contra Costa Counties.
24A-1d	Sound Level Contours for Central Conveyance Option Alternative 2a, Heavy Equipment for Facility Buildout including Pile Driving	Figure 24A-1d shows the sound level contours for construction of Alternative 2a (heavy equipment for facility buildout including pile driving) within San Joaquin and Contra Costa Counties.

Figure Number	Figure Title	Description of Figure
24A-1e	Sound Level Contours for Central Conveyance Option Alternative 2a, Heavy Equipment for Facility Buildout including Pile Driving	Figure 24A-1e shows the sound level contours for construction of Alternative 2a (heavy equipment for facility buildout including pile driving) within Contra Costa and San Joaquin Counties.
24A-2	Index of Figures for Sound Level Contours for Central Alignment Alternative 2a, Heavy Equipment for Facility Buildout, including Pile Driving	Figure 24A-2 shows the index of figures for sound level contours for Central Alignment Alternative 2a, heavy equipment for facility buildout, including pile driving.
24A-2a	Sound Level Contours for Central Conveyance Option Alternative 2a, Heavy Equipment for Facility Buildout	Figure 24A-2a shows the sound level contours for construction of Alternative 2a (heavy equipment for facility buildout) within Yolo and Sacramento Counties.
24A-2b	Sound Level Contours for Central Conveyance Option Alternative 2a, Heavy Equipment for Facility Buildout	Figure 24A-2b shows the sound level contours for construction of Alternative 2a (heavy equipment for facility buildout) within Sacramento and San Joaquin Counties.
24A-2c	Sound Level Contours for Central Conveyance Option Alternative 2a, Heavy Equipment for Facility Buildout	Figure 24A-2c shows the sound level contours for construction of Alternative 2a (heavy equipment for facility buildout) within Sacramento and San Joaquin Counties.
24A-2d	Sound Level Contours for Central Conveyance Option Alternative 2a, Heavy Equipment for Facility Buildout	Figure 24A-2d shows the sound level contours for construction of Alternative 2a (heavy equipment for facility buildout) within San Joaquin County.
24A-2e	Sound Level Contours for Central Conveyance Option Alternative 2a, Heavy Equipment for Facility Buildout	Figure 24A-2e shows the sound level contours for construction of Alternative 2a (heavy equipment for facility buildout) within Contra Costa and San Joaquin Counties.
24A-3	Index of Figures for Sound Level Contours for Central Alignment Alternative 2a, Bridge, Road, Utility, and SCADA Line Construction	Figure 24A-3 shows the index of figures for sound level contours for Central Alignment Alternative 2a, bridge, road, utility, and SCADA line construction.
24A-3a	Sound Level Contours for Central Conveyance Option Alternative 2a, Road, Utility and SCADA Line Construction	Figure 24A-3a shows the sound level contours for construction of Alternative 2a (road, utility, and SCADA line construction) within Yolo and Sacramento Counties.
24A-3b	Sound Level Contours for Central Conveyance Option Alternative 2a, Road, Utility and SCADA Line Construction	Figure 24A-3b shows the sound level contours for construction of Alternative 2a (road, utility, and SCADA line construction) within Yolo and Sacramento Counties.
24A-3c	Sound Level Contours for Central Conveyance Option Alternative 2a, Road, Utility and SCADA Line Construction	Figure 24A-3c shows the sound level contours for construction of Alternative 2a (road, utility, and SCADA line construction) within Sacramento and San Joaquin Counties.

Figure Number	Figure Title	Description of Figure
24A-3d	Sound Level Contours for Central Conveyance Option Alternative 2a, Road, Utility and SCADA Line Construction	Figure 24A-3d shows the sound level contours for construction of Alternative 2a (road, utility, and SCADA line construction) within Sacramento and Solano Counties.
24A-3e	Sound Level Contours for Central Conveyance Option Alternative 2a, Road, Utility and SCADA Line Construction	Figure 24A-3e shows the sound level contours for construction of Alternative 2a (road, utility, and SCADA line construction) within Sacramento and San Joaquin Counties.
24A-3f	Sound Level Contours for Central Conveyance Option Alternative 2a, Road, Utility and SCADA Line Construction	Figure 24A-3f shows the sound level contours for construction of Alternative 2a (road, utility, and SCADA line construction) within San Joaquin County.
24A-3g	Sound Level Contours for Central Conveyance Option Alternative 2a, Road, Utility and SCADA Line Construction	Figure 24A-3g shows the sound level contours for construction of Alternative 2a (road, utility, and SCADA line construction) within San Joaquin County.
24A-3h	Sound Level Contours for Central Conveyance Option Alternative 2a, Road, Utility and SCADA Line Construction	Figure 24A-3h shows the sound level contours for construction of Alternative 2a (road, utility, and SCADA line construction) within San Joaquin County.
24A-3i	Sound Level Contours for Central Conveyance Option Alternative 2a, Road, Utility and SCADA Line Construction	Figure 24A-3i shows the sound level contours for construction of Alternative 2a (road, utility, and SCADA line construction) within San Joaquin County.
24A-3j	Sound Level Contours for Central Conveyance Option Alternative 2a, Road, Utility and SCADA Line Construction	Figure 24A-3j shows the sound level contours for construction of Alternative 2a (road, utility, and SCADA line construction) within Contra Costa County.
24A-3k	Sound Level Contours for Central Conveyance Option Alternative 2a, Road, Utility and SCADA Line Construction	Figure 24A-3k shows the sound level contours for construction of Alternative 2a (road, utility, and SCADA line construction) within Contra Costa and San Joaquin Counties.
24A-4	Index of Figures for Sound Level Contours for Eastern Alignment Alternative 4a, Heavy Equipment for Facility Buildout	Figure 24A-4 shows the index of figures for sound level contours for Eastern Alignment Alternative 4a, heavy equipment for facility buildout.
24A-4a	Sound Level Contours for Eastern Conveyance Option Alternative 4a, Heavy Equipment for Facility Buildout, including Pile Driving	Figure 24A-4a shows the sound level contours for construction of Alternative 4a (heavy equipment for facility buildout including pile driving) within Yolo and Sacramento Counties.
24A-4b	Sound Level Contours for Eastern Conveyance Option Alternative 4a, Heavy Equipment for Facility Buildout, including Pile Driving	Figure 24A-4b shows the sound level contours for construction of Alternative 4a (heavy equipment for facility buildout including pile driving) within Sacramento and San Joaquin Counties.

Figure Number	Figure Title	Description of Figure
24A-4c	Sound Level Contours for Eastern Conveyance Option Alternative 4a, Heavy Equipment for Facility Buildout, including Pile Driving	Figure 24A-4c shows the sound level contours for construction of Alternative 4a (heavy equipment for facility buildout including pile driving) within San Joaquin County.
24A-4d	Sound Level Contours for Eastern Conveyance Option Alternative 4a, Heavy Equipment for Facility Buildout, including Pile Driving	Figure 24A-4d shows the sound level contours for construction of Alternative 4a (heavy equipment for facility buildout including pile driving) within San Joaquin County.
24A-4e	Sound Level Contours for Eastern Conveyance Option Alternative 4a, Heavy Equipment for Facility Buildout, including Pile Driving	Figure 24A-4e shows the sound level contours for construction of Alternative 4a (heavy equipment for facility buildout including pile driving) within San Joaquin County.
24A-4f	Sound Level Contours for Eastern Conveyance Option Alternative 4a, Heavy Equipment for Facility Buildout, including Pile Driving	Figure 24A-4f shows the sound level contours for construction of Alternative 4a (heavy equipment for facility buildout including pile driving) within San Joaquin County.
24A-5	Index of Figures for Sound Level Contours for Eastern Alignment Alternative 4a, Heavy Equipment for Facility Buildout, including Pile Driving	Figure 24A-5 shows the index of figures for sound level contours for Eastern Alignment Alternative 4a, heavy equipment for facility buildout, including pile driving.
24A-5a	Sound Level Contours for Eastern Conveyance Option Alternative 4a, Heavy Equipment for Facility Buildout	Figure 24A-5a shows the sound level contours for construction of Alternative 4a (heavy equipment for facility buildout) within Yolo and Sacramento Counties.
24A-5b	Sound Level Contours for Eastern Conveyance Option Alternative 4a, Heavy Equipment for Facility Buildout	Figure 24A-5b shows the sound level contours for construction of Alternative 4a (heavy equipment for facility buildout) within Sacramento and San Joaquin Counties.
24A-5c	Sound Level Contours for Eastern Conveyance Option Alternative 4a, Heavy Equipment for Facility Buildout	Figure 24A-5c shows the sound level contours for construction of Alternative 4a (heavy equipment for facility buildout) within San Joaquin County.
24A-5d	Sound Level Contours for Eastern Conveyance Option Alternative 4a, Heavy Equipment for Facility Buildout	Figure 24A-5d shows the sound level contours for construction of Alternative 4a (heavy equipment for facility buildout) within San Joaquin County.
24A-5e	Sound Level Contours for Eastern Conveyance Option Alternative 4a, Heavy Equipment for Facility Buildout	Figure 24A-5e shows the sound level contours for construction of Alternative 4a (heavy equipment for facility buildout) within San Joaquin County.

Figure Number	Figure Title	Description of Figure
24A-5f	Sound Level Contours for Eastern Conveyance Option Alternative 4a, Heavy Equipment for Facility Buildout	Figure 24A-5f shows the sound level contours for construction of Alternative 4a (heavy equipment for facility buildout) within Contra Costa and San Joaquin Counties.
24A-5g	Sound Level Contours for Eastern Alignment Alternative 4a, Heavy Equipment for Facility Buildout, including Pile Driving	Figure 24A-5g shows the sound level contours for construction of Alternative 4a (heavy equipment for facility buildout) within Contra Costa, San Joaquin, and Alameda Counties.
24A-6	Index of Figures for Sound Level Contours for Eastern Alignment Alternative 4a, Bridge, Road, Utility, and SCADA Line Construction	Figure 24A-6 shows the index of figures for sound level contours for Eastern Alignment Alternative 4a, bridge, road, utility, and SCADA line construction.
24A-6a	Sound Level Contours for Eastern Conveyance Option Alternative 4a, Road, Utility and SCADA Line Construction	Figure 24A-6a shows the sound level contours for construction of Alternative 4a (road, utility, and SCADA line construction) within Yolo and Sacramento Counties.
24A-6b	Sound Level Contours for Eastern Conveyance Option Alternative 4a, Road, Utility and SCADA Line Construction	Figure 24A-6b shows the sound level contours for construction of Alternative 4a (road, utility, and SCADA line construction) within Yolo and Sacramento Counties.
24A-6c	Sound Level Contours for Eastern Conveyance Option Alternative 4a, Road, Utility and SCADA Line Construction	Figure 24A-6c shows the sound level contours for construction of Alternative 4a (road, utility, and SCADA line construction) within Sacramento and San Joaquin Counties.
24A-6d	Sound Level Contours for Eastern Conveyance Option Alternative 4a, Road, Utility and SCADA Line Construction	Figure 24A-6d shows the sound level contours for construction of Alternative 4a (road, utility, and SCADA line construction) within San Joaquin County.
24A-6e	Sound Level Contours for Eastern Conveyance Option Alternative 4a, Road, Utility and SCADA Line Construction	Figure 24A-6e shows the sound level contours for construction of Alternative 4a (road, utility, and SCADA line construction) within San Joaquin County.
24A-6f	Sound Level Contours for Eastern Conveyance Option Alternative 4a, Road, Utility and SCADA Line Construction	Figure 24A-6f shows the sound level contours for construction of Alternative 4a (road, utility, and SCADA line construction) within San Joaquin County.
24A-6g	Sound Level Contours for Eastern Conveyance Option Alternative 4a, Road, Utility and SCADA Line Construction	Figure 24A-6g shows the sound level contours for construction of Alternative 4a (road, utility, and SCADA line construction) within San Joaquin County.
24A-6h	Sound Level Contours for Eastern Conveyance Option Alternative 4a, Road, Utility and SCADA Line Construction	Figure 24A-6h shows the sound level contours for construction of Alternative 4a (road, utility, and SCADA line construction) within San Joaquin County.

Figure Number	Figure Title	Description of Figure
24A-6i	Sound Level Contours for Eastern Conveyance Option Alternative 4a, Road, Utility and SCADA Line Construction	Figure 24A-6i shows the sound level contours for construction of Alternative 4a (road, utility, and SCADA line construction) within Contra Costa County.
24A-6j	Sound Level Contours for Eastern Conveyance Option Alternative 4a, Road, Utility and SCADA Line Construction	Figure 24A-6j shows the sound level contours for construction of Alternative 4a (road, utility, and SCADA line construction) within Contra Costa and San Joaquin Counties.
24A-7	Index of Figures for Sound Level Contours for Bethany Reservoir Alignment Alternative 5, Heavy Equipment for Facility Buildout	Figure 24A-7 shows the index of figures for sound level contours for Bethany Reservoir Alignment Alternative 5, heavy equipment for facility buildout.
24A-7a	Sound Level Contours for Bethany Reservoir Conveyance Option Alternative 5, Heavy Equipment for Facility Buildout, including Pile Driving	Figure 24A-7a shows the sound level contours for construction of Alternative 5 (heavy equipment for facility buildout including pile driving) within Yolo and Sacramento Counties.
24A-7b	Sound Level Contours for Bethany Reservoir Conveyance Option Alternative 5, Heavy Equipment for Facility Buildout, including Pile Driving	Figure 24A-7b shows the sound level contours for construction of Alternative 5 (heavy equipment for facility buildout including pile driving) within Sacramento and San Joaquin Counties.
24A-7c	Sound Level Contours for Bethany Reservoir Conveyance Option Alternative 5, Heavy Equipment for Facility Buildout, including Pile Driving	Figure 24A-7c shows the sound level contours for construction of Alternative 5 (heavy equipment for facility buildout including pile driving) within San Joaquin County.
24A-7d	Sound Level Contours for Bethany Reservoir Conveyance Option Alternative 5, Heavy Equipment for Facility Buildout, including Pile Driving	Figure 24A-7d shows the sound level contours for construction of Alternative 5 (heavy equipment for facility buildout including pile driving) within San Joaquin County.
24A-7e	Sound Level Contours for Bethany Reservoir Conveyance Option Alternative 5, Heavy Equipment for Facility Buildout, including Pile Driving	Figure 24A-7e shows the sound level contours for construction of Alternative 5 (heavy equipment for facility buildout including pile driving) within San Joaquin County.
24A-7f	Sound Level Contours for Bethany Reservoir Conveyance Option Alternative 5, Heavy Equipment for Facility Buildout, including Pile Driving	Figure 24A-7f shows the sound level contours for construction of Alternative 5 (heavy equipment for facility buildout including pile driving) within Alameda, Contra Costa, and San Joaquin Counties.

Figure Number	Figure Title	Description of Figure
24A-8	Index of Figures for Sound Level Contours for Bethany Reservoir Alignment Alternative 5, Heavy Equipment for Facility Buildout, including Pile Driving	Figure 24A-8 shows the index of figures for sound level contours for Bethany Reservoir Alignment Alternative 5, heavy equipment for facility buildout, including pile driving.
24A-8a	Sound Level Contours for Bethany Reservoir Conveyance Option Alternative 5, Heavy Equipment for Facility Buildout	Figure 24A-8a shows the sound level contours for construction of Alternative 5 (heavy equipment for facility buildout including pile driving) within Yolo and Sacramento Counties.
24A-8b	Sound Level Contours for Bethany Reservoir Conveyance Option Alternative 5, Heavy Equipment for Facility Buildout	Figure 24A-8b shows the sound level contours for construction of Alternative 5 (heavy equipment for facility buildout including pile driving) within Sacramento and San Joaquin Counties.
24A-8c	Sound Level Contours for Bethany Reservoir Conveyance Option Alternative 5, Heavy Equipment for Facility Buildout	Figure 24A-8c shows the sound level contours for construction of Alternative 5 (heavy equipment for facility buildout including pile driving) within San Joaquin County.
24A-8d	Sound Level Contours for Bethany Reservoir Conveyance Option Alternative 5, Heavy Equipment for Facility Buildout	Figure 24A-8d shows the sound level contours for construction of Alternative 5 (heavy equipment for facility buildout including pile driving) within San Joaquin County.
24A-8e	Sound Level Contours for Bethany Reservoir Conveyance Option Alternative 5, Heavy Equipment for Facility Buildout	Figure 24A-8e shows the sound level contours for construction of Alternative 5 (heavy equipment for facility buildout including pile driving) within San Joaquin County.
24A-8f	Sound Level Contours for Bethany Reservoir Conveyance Option Alternative 5, Heavy Equipment for Facility Buildout	Figure 24A-8f shows the sound level contours for construction of Alternative 5 (heavy equipment for facility buildout including pile driving) within Alameda. Contra Costa, and San Joaquin Counties.
24A-9	Index of Figures for Sound Level Contours for Bethany Reservoir Alignment Alternative 5, Bridge, Road, Utility, and SCADA Line Construction	Figure 24A-9 shows the index of figures for sound level contours for Bethany Reservoir Alignment Alternative 5, bridge, road, utility, and SCADA line construction.
24A-9a	Sound Level Contours for Bethany Reservoir Conveyance Option Alternative 5, Road, Utility and SCADA Line Construction	Figure 24A-9a shows the sound level contours for construction of Alternative 5 (road, utility, and SCADA line construction) within Yolo and Sacramento Counties.
24A-9b	Sound Level Contours for Bethany Reservoir Conveyance Option Alternative 5, Road, Utility and SCADA Line Construction	Figure 24A-9b shows the sound level contours for construction of Alternative 5 (road, utility, and SCADA line construction) within Yolo and Sacramento Counties.

Figure Number	Figure Title	Description of Figure
24A-9c	Sound Level Contours for Bethany Reservoir Conveyance Option Alternative 5, Road, Utility and SCADA Line Construction	Figure 24A-9c shows the sound level contours for construction of Alternative 5 (road, utility, and SCADA line construction) within Sacramento and San Joaquin Counties.
24A-9d	Sound Level Contours for Bethany Reservoir Conveyance Option Alternative 5, Road, Utility and SCADA Line Construction	Figure 24A-9d shows the sound level contours for construction of Alternative 5 (road, utility, and SCADA line construction) within San Joaquin County.
24A-9e	Sound Level Contours for Bethany Reservoir Conveyance Option Alternative 5, Road, Utility and SCADA Line Construction	Figure 24A-9e shows the sound level contours for construction of Alternative 5 (road, utility, and SCADA line construction) within San Joaquin County.
24A-9f	Sound Level Contours for Bethany Reservoir Conveyance Option Alternative 5, Road, Utility and SCADA Line Construction	Figure 24A-9f shows the sound level contours for construction of Alternative 5 (road, utility, and SCADA line construction) within San Joaquin County.
24A-9g	Sound Level Contours for Bethany Reservoir Conveyance Option Alternative 5, Road, Utility and SCADA Line Construction	Figure 24A-9g shows the sound level contours for construction of Alternative 5 (road, utility, and SCADA line construction) within San Joaquin County.
24A-9h	Sound Level Contours for Bethany Reservoir Conveyance Option Alternative 5, Road, Utility and SCADA Line Construction	Figure 24A-9h shows the sound level contours for construction of Alternative 5 (road, utility, and SCADA line construction) within San Joaquin County.
24A-9i	Sound Level Contours for Bethany Reservoir Conveyance Option Alternative 5, Road, Utility and SCADA Line Construction	Figure 24A-9i shows the sound level contours for construction of Alternative 5 (road, utility, and SCADA line construction) within Alameda, Contra Costa, and San Joaquin Counties.

39.26.2 Appendix 24B

No figures.

39.26.3 Appendix 24C

No figures.

39.26.4 Appendix 24D

No figures.

39.26.5 Appendix 24E

No figures.

39.26.6 Appendix 24F

No figures.

39.27 Chapter 25

Figure Number	Figure Title	Description of Figure
25-1	Oil and Gas Processing Facilities	Figure 25-1 depicts the locations for oil and gas fields.
25-2	Oil and Gas Wells	Figure 25-2 shows that numerous oil and gas wells have been drilled throughout the study area; many of these wells are present along the alignments under consideration for the project alternatives. The map shows oil and gas well status and compensatory mitigation areas.
25-3	Hazardous Materials Routes and Railroads	Figure 25-3 displays the locations of designated hazardous materials transportation routes, including rail, within the study area.
25-4	Fire Hazard Severity Zones	Figure 25-4 shows the California Department of Forestry and Fire Protection's fire hazard severity zones in relation to the study area.
25-5	Airports within 2 Miles of Water Conveyance Facilities	Figure 25-5 depicts four public and seven private airports that are within 2 miles of the study area.

39.28 Chapter 26

Figure Number	Figure Title	Description of Figure
26-1	Population Density and Wetland Communities	Figure 26-1 depicts the population density and wetland communities within the study area.
26-2	Population Density and Proposed Transmission Lines	Figure 26-2 depicts the population density and proposed transmission lines located within the study area. The proposed permanent aboveground and underground transmission lines would be located in relatively sparsely populated areas.

39.28.1 Appendix 26A

No figures.

39.29 Chapter 27

Figure Number	Figure Title	Description of Figure
27-1	Aggregate Producers	Figure 27-1 depicts active mineral commodity producers in the study area. There are 6 active aggregate mines in the study area.
27-2	Natural Gas Wells in the Delta	Figure 27-2 depicts the natural gas wells in the study area. The map shows that most of the state's natural gas fields are in the Sacramento Valley and northern San Joaquin Valley.

39.30 Chapter 28

Figure Number	Figure Title	Description of Figure
28-1	Paleontologically Sensitivity of Geologic Units Exposed at the Surface	Figure 28-1 is a geologic map of the study area and vicinity that shows the paleontological sensitivity of geologic units exposed at the surface.

39.31 Chapter 29

Figure Number	Figure Title	Description of Figure
29-1	Environmental Justice Study Area	Figure 29-1 displays the study area for environmental justice which consists of the census tracts and block groups intersected by the footprint of the project.
29-2	Minority and Hispanic Population in the Study Area	Figure 29-2 depicts the places and census blocks with greater than 50% minority populations within the study area.
29-3	Census Tracts with 20% or More Households with Median Household Income Less Than $60,000	Figure 29-3 shows study area census block groups where 20% or more households have a median household income below $60,000.
29-4	Your Delta, Your Voice Fliers	Figure 29-4 depicts an environmental justice community survey conducted by DWR from September 20 to December 18, 2020.

39.31.1 Appendix 29A

No figures.

39.32 Chapter 30

No figures.

39.32.1 Appendix 30A

Figure Number	Figure Title	Description of Figure
30A-1	Projected Changes in Average Temperature for Major Watersheds in the Sacramento and San Joaquin River Basins for 2040 CT and 2040 Median, Compared to Historical Reference Period (1995)	Figure 30A-1 shows comparisons of change in average temperature for eight major watersheds for the 2040 CT and 2040 Median scenarios, compared to a historical reference period centered on 1995.
30A-2	Projected Absolute Changes in Precipitation, Evapotranspiration, and Runoff for Major Watersheds in the Sacramento and San Joaquin River Basins for 2040 CT, Compared to Historical Reference Period (1995)	Figure 30A-2 shows comparisons of changes in average annual precipitation, evapotranspiration (ET), and runoff for eight major watersheds for the 2040 CT and 2040 Median scenarios, compared to a historical reference period centered on 1995.
30A-3	Projected Changes in Precipitation, ET, and Runoff for Major Watersheds in the Sacramento and San Joaquin River Basins for 2040 Median, Compared to Historical Reference Period (1995)	Figure 30A-3 shows comparisons of changes in average annual precipitation, evapotranspiration (ET), and runoff for eight major watersheds for the 2040 CT and 2040 Median scenarios, compared to a historical reference period centered on 1995.
30A-4	Shasta Unimpaired Inflow (UNIMP_SHAS), Monthly Average Inflow (thousand acre-feet), 2020, 2040 CT, and 2040 Median	Figure 30A-4 shows monthly average unimpaired hydrology inputs to CalSim 3 for Shasta for 2040 CT and 2040 Median, compared to existing conditions (2020).
30A-5	Oroville Unimpaired Inflow (UNIMP_OROV), Monthly Average Inflow (thousand acre-feet), 2020, 2040 CT, and 2040 Median	Figure 30A-5 shows monthly average unimpaired hydrology inputs to CalSim 3 for Oroville for 2040 CT and 2040 Median, compared to existing conditions (2020).
30A-6	Four River Index (UNIMP_OROV + UNIMP_FOLS + UNIMP_YUBA + UNIMP_SRBB), Monthly Average Inflow (thousand acre-feet), 2020, 2040 CT, and 2040 Median	Figure 30A-6 shows monthly average unimpaired hydrology inputs to CalSim 3 for the Four River Index for 2040 CT and 2040 Median, compared to existing conditions (2020).
30A-7	Eight River Index (UNIMP_OROV + UNIMP_FOLS + UNIMP_YUBA + UNIMP_SRBB + UNIMP_ST + UNIMP_TU + UNIMP_ME + UNIMP_SJ), Monthly Average Inflow (thousand acre-feet), 2020, 2040 CT, and 2040 Median	Figure 30A-7 shows monthly average unimpaired hydrology inputs to CalSim 3 for the Eight River Index for 2040 CT and 2040 Median, compared to existing conditions (2020).

Figure Number	Figure Title	Description of Figure
30A-8	Shasta End-of-Month Storage (S_SHSTA), Exceedance Probability for Monthly Average End-of-Month Storage (thousand acre-feet) for May, No Project Alternative and Alternative 5 (2040)	Figure 30A-8 shows the system responses for the 2040 CT climate scenario with 1.8 feet of sea level rise, the 2040 CT climate scenario with 0.5 foot of sea level rise, and the 2040 Median climate scenario with 1.8 feet of sea level rise for Shasta in May.
30A-9	Shasta End-of-Month Storage (S_SHSTA), Exceedance Probability for Monthly Average End-of-Month Storage (thousand acre-feet) for September, No Project Alternative and Alternative 5 (2040)	Figure 30A-9 shows the system responses for the 2040 CT climate scenario with 1.8 feet of sea level rise, the 2040 CT climate scenario with 0.5 foot of sea level rise, and the 2040 Median climate scenario with 1.8 feet of sea level rise for Shasta in September.
30A-10	Trinity End-of-Month Storage (S_TRNTY), Exceedance Probability for Monthly Average End-of-Month Storage (thousand acre-feet) for May, No Project Alternative and Alternative 5 (2040)	Figure 30A-10 shows the system responses for the 2040 CT climate scenario with 1.8 feet of sea level rise, the 2040 CT climate scenario with 0.5 foot of sea level rise, and the 2040 Median climate scenario with 1.8 feet of sea level rise for Trinity in May.
30A-11	Trinity End-of-Month Storage (S_TRNTY), Exceedance Probability for Monthly Average End-of-Month Storage (thousand acre-feet) for September, No Project Alternative and Alternative 5 (2040)	Figure 30A-11 shows the system responses for the 2040 CT climate scenario with 1.8 feet of sea level rise, the 2040 CT climate scenario with 0.5 foot of sea level rise, and the 2040 Median climate scenario with 1.8 feet of sea level rise for Trinity in September.
30A-12	Folsom End-of-Month Storage (S_FOLSM), Exceedance Probability for Monthly Average End-of-Month Storage (thousand acre-feet) for May, No Project Alternative and Alternative 5 (2040)	Figure 30A-12 shows the system responses for the 2040 CT climate scenario with 1.8 feet of sea level rise, the 2040 CT climate scenario with 0.5 foot of sea level rise, and the 2040 Median climate scenario with 1.8 feet of sea level rise for Folsom in May.
30A-13	Folsom End-of-Month Storage (S_FOLSM), Exceedance Probability for Monthly Average End-of-Month Storage (thousand acre-feet) for September, No Project Alternative and Alternative 5 (2040)	Figure 30A-13 shows the system responses for the 2040 CT climate scenario with 1.8 feet of sea level rise, the 2040 CT climate scenario with 0.5 foot of sea level rise, and the 2040 Median climate scenario with 1.8 feet of sea level rise for Folsom in September.

Figure Number	Figure Title	Description of Figure
30A-14	Oroville End-of-Month Storage (S_OROVL), Exceedance Probability for Monthly Average End-of-Month Storage (thousand acre-feet) for May, No Project Alternative and Alternative 5 (2040)	Figure 30A-14 shows the system responses for the 2040 CT climate scenario with 1.8 feet of sea level rise, the 2040 CT climate scenario with 0.5 foot of sea level rise, and the 2040 Median climate scenario with 1.8 feet of sea level rise for Oroville in May.
30A-15	Oroville End-of-Month Storage (S_OROVL), Exceedance Probability for Monthly Average End-of-Month Storage (thousand acre-feet) for September, No Project Alternative and Alternative 5 (2040)	Figure 30A-15 shows the system responses for the 2040 CT climate scenario with 1.8 feet of sea level rise, the 2040 CT climate scenario with 0.5 foot of sea level rise, and the 2040 Median climate scenario with 1.8 feet of sea level rise for Oroville in September.
30A-16	Sacramento River at Keswick (C_KSWCK), Monthly Average Flow (cubic feet per second), No Project Alternative and Alternative 5 (2040)	Figure 30A-16 shows the system responses for the 2040 CT climate scenario with 1.8 feet of sea level rise, the 2040 CT climate scenario with 0.5 foot of sea level rise, and the 2040 Median climate scenario with 1.8 feet of sea level rise for the Sacramento River at Keswick.
30A-17	Feather River at Thermalito (C_FTR059), Monthly Average Flow (cubic feet per second), No Project Alternative and Alternative 5 (2040)	Figure 30A-17 shows the system responses for the 2040 CT climate scenario with 1.8 feet of sea level rise, the 2040 CT climate scenario with 0.5 foot of sea level rise, and the 2040 Median climate scenario with 1.8 feet of sea level rise for the Feather River at Thermalito.
30A-18	American River at Nimbus (C_NTOMA), Monthly Average Flow (cubic feet per second), No Project Alternative and Alternative 5 (2040)	Figure 30A-18 shows the system responses for the 2040 CT climate scenario with 1.8 feet of sea level rise, the 2040 CT climate scenario with 0.5 foot of sea level rise, and the 2040 Median climate scenario with 1.8 feet of sea level rise for the American River at Nimbus.
30A-19	Sacramento River at Freeport (C_SAC048), Monthly Average Flow (cubic feet per second), No Project Alternative and Alternative 5 (2040)	Figure 30A-19 shows the system responses for the 2040 CT climate scenario with 1.8 feet of sea level rise, the 2040 CT climate scenario with 0.5 foot of sea level rise, and the 2040 Median climate scenario with 1.8 feet of sea level rise for the Sacramento River at Freeport.
30A-20	Yolo Bypass at Delta (C_YBP020), Monthly Average Flow (cubic feet per second), No Project Alternative and Alternative 5 (2040)	Figure 30A-20 shows the system responses for the 2040 CT climate scenario with 1.8 feet of sea level rise, the 2040 CT climate scenario with 0.5 foot of sea level rise, and the 2040 Median climate scenario with 1.8 feet of sea level rise for the Yolo Bypass at Delta.
30A-21	San Joaquin River at Vernalis (C_SJR070), Monthly Average Flow (cubic feet per second), No Project Alternative and Alternative 5 (2040)	Figure 30A-21 shows the system responses for the 2040 CT climate scenario with 1.8 feet of sea level rise, the 2040 CT climate scenario with 0.5 foot of sea level rise, and the 2040 Median climate scenario with 1.8 feet of sea level rise for the San Joaquin River at Vernalis.

Figure Number	Figure Title	Description of Figure
30A-22	Sacramento River Downstream of North Delta Diversion (C_SAC041), Monthly Average Flow (cubic feet per second), No Project Alternative and Alternative 5 (2040)	Figure 30A-22 shows the system responses for the 2040 CT climate scenario with 1.8 feet of sea level rise, the 2040 CT climate scenario with 0.5 foot of sea level rise, and the 2040 Median climate scenario with 1.8 feet of sea level rise for the Sacramento River Downstream of the North Delta Diversion.
30A-23	Delta Outflow (NDOI), Monthly Average Flow (cubic feet per second), No Project Alternative and Alternative 5 (2040)	Figure 30A-23 shows the system responses for the 2040 CT climate scenario with 1.8 feet of sea level rise, the 2040 CT climate scenario with 0.5 foot of sea level rise, and the 2040 Median climate scenario with 1.8 feet of sea level rise for the Delta Outflow.
30A-24	X2 Position (X2_PRV), Monthly Average Position (kilometers), No Project Alternative and Alternative 5 (2040)	Figure 30A-24 shows the system responses for the 2040 CT climate scenario with 1.8 feet of sea level rise, the 2040 CT climate scenario with 0.5 foot of sea level rise, and the 2040 Median climate scenario with 1.8 feet of sea level rise the X2 position.
30A-25	Combined Old and Middle River (C_OMR014), Monthly Average Flow (cubic feet per second), No Project Alternative and Alternative 5 (2040)	Figure 30A-25 shows the system responses for the 2040 CT climate scenario with 1.8 feet of sea level rise, the 2040 CT climate scenario with 0.5 foot of sea level rise, and the 2040 Median climate scenario with 1.8 feet of sea level rise for Combined Old and Middle River.
30A-26	Total Delta Exports (EXPORTACTUALTD + EXPORTACTUALIF), Monthly Average Exports (thousand acre-feet), No Project Alternative and Alternative 5 (2040)	Figure 30A-26 shows the system responses for the 2040 CT climate scenario with 1.8 feet of sea level rise, the 2040 CT climate scenario with 0.5 foot of sea level rise, and the 2040 Median climate scenario with 1.8 feet of sea level rise for the Total Delta Exports.
30A-27	North Delta Diversion Exports (EXPORTACTUALIF), Exceedance Probability for Annual Water Year Exports (thousand acre-feet), No Project Alternative and Alternative 5 (2040)	Figure 30A-27 shows the system responses for the 2040 CT climate scenario with 1.8 feet of sea level rise, the 2040 CT climate scenario with 0.5 foot of sea level rise, and the 2040 Median climate scenario with 1.8 feet of sea level rise for the North Delta Diversion Exports.
30A-28	Emmaton Salinity (EM_EC_MONTH), Monthly Average EC (UMHOS/CM), No Project Alternative and Alternative 5 (2040)	Figure 30A-28 shows the system responses for the 2040 CT climate scenario with 1.8 feet of sea level rise, the 2040 CT climate scenario with 0.5 foot of sea level rise, and the 2040 Median climate scenario with 1.8 feet of sea level rise for Emmaton Salinity.
30A-29	Jersey Point Salinity (JP_EC_MONTH), Monthly Average EC (UMHOS/CM), No Project Alternative and Alternative 5 (2040)	Figure 30A-29 shows the system responses for the 2040 CT climate scenario with 1.8 feet of sea level rise, the 2040 CT climate scenario with 0.5 foot of sea level rise, and the 2040 Median climate scenario with 1.8 feet of sea level rise for Jersey Point Salinity.

Figure Number	Figure Title	Description of Figure
30A-30	Rock Slough Salinity (RS_EC_MONTH), Monthly Average EC (UMHOS/CM), No Project Alternative and Alternative 5 (2040)	Figure 30A-30 shows the system responses for the 2040 CT climate scenario with 1.8 feet of sea level rise, the 2040 CT climate scenario with 0.5 foot of sea level rise, and the 2040 Median climate scenario with 1.8 feet of sea level rise for Rock Slough Salinity.

39.33 Chapter 31

Figure Number	Figure Title	Description of Figure
31-1	SWP and CVP and Exports (exports in millions of acre-feet, 1976-–2020)	Figure 31-1 shows the combined SWP and CVP exports from the south Delta since 1976. Overall, SWP Delta exports have decreased since 2005, although the bulk of the change occurred between 2005 and 2009 and in 2019.
31-2	Population Growth across SWP South-of-Delta Contractor Areas	Figure 31-2 shows population growth has steadily increased in all water contractor service areas between 1978 through 2020. While Southern California has by far the largest population with the most historic growth, its population size has flattened in the last 2 years reviewed.
31-3	Population Growth vs. Total Demand for Water in Metropolitan Water District of Southern California	Figure 31-3 shows that while population in the area has increased by 30 percent, water demands have decreased by roughly 20 percent.
31-4	Projected Population Growth across South of Delta SWP Contractor Areas	Figure 31-4 shows that projected population growth throughout most of the study area is charted to be slight to none through 2060.

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Figure Number	Figure Title	Description of Figure
32-1	Study Area	Figure 32-1 shows a map of the Delta region and depicts the study area for Tribal cultural resources, which includes the project area, a 0.5 mile buffer on above-ground facilities, and rivers and waterways within the Delta. The figure also shows the boundary of the Sacramento-San Joaquin Delta Tribal Cultural Landscape.

39.34.1 Appendix 32A

No figures

39.34.2 Appendix 32B

No figures.

39.35 Chapter 33

No figures.

39.36 Chapter 34

No figures.

39.37 Chapter 35

No figures.

39.38 Chapter 36

No figures.

39.39 Chapter 37

No figures.

39.40 Chapter 38

No figures.