

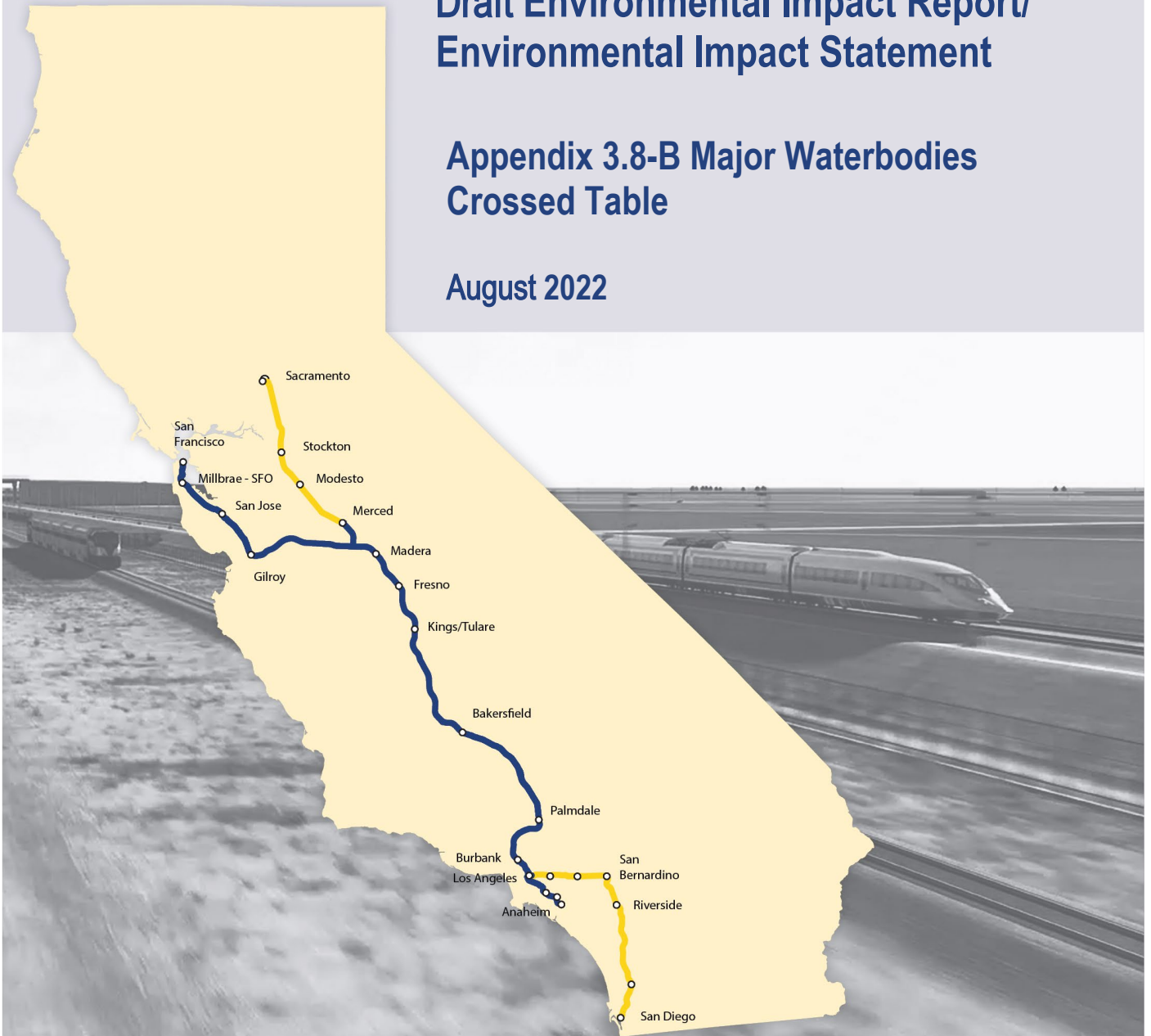
California High-Speed Rail Authority

Palmdale to Burbank Project Section

Draft Environmental Impact Report/
Environmental Impact Statement

Appendix 3.8-B Major Waterbodies
Crossed Table

August 2022



The environmental review, consultation, and other actions required by applicable federal environmental laws for this project are being or have been carried out by the State of California pursuant to 23 U.S.C. 327 and a Memorandum of Understanding dated July 23, 2019, and executed by the Federal Railroad Administration and the State of California.

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Table 3.8-B Major Waterbodies Crossed by the Palmdale to Burbank Project Section Build Alternatives

Waterbody ^a	Type	Build Alternative Alignment(s)	Length of Crossing (miles)	Type of Crossing
Amargosa Creek	Intermittent	Refined SR14	0.009	Drainage Basin
Palmdale Playa	Playa	Refined SR14	0.04	Drainage Basin, Roadway
Palmdale "A" Canal/Ditch	Canal/Ditch	Refined SR14	0.5	Track ROW, Roadway, Traction Power Facility, Elevated Aerial Structure
Palmdale "B" Stream	Ephemeral	Refined SR14	0.23	Track ROW, Roadway, Freight Rail Relocation, Drainage Basin, Elevated Aerial Structure
Palmdale "C" Canal/Ditch	Canal/Ditch	Refined SR14	1.6	Track ROW, Station, Roadway, Freight Rail Relocation
Central "A" Lake/Pond	Intermittent	Refined SR14/SR14A E1/E1A E2/E2A	0.02	Roadway
Una Lake	Perennial	Refined SR14 E1/E1A E2/E2A	0.19	At-grade, Roadway, Track ROW, Traction Power Facility, Freight Rail Relocation
Governor Edmund G. Brown East Branch California Aqueduct	Aqueduct	Refined SR14/SR14A E1/E1A E2/E2A	0.50/0.10 0.65 ^b	At-grade; Bored Tunnel, Track ROW; Roadway, Traction Power Facility; Freight Rail Relocation
Santa Clara River	Intermittent/ Perennial	Refined SR14/SR14A E1/E1A E2/E2A	0.13/0.04 0.23 ^b 0.12 ^b	Elevated Aerial Structure, Traction Power Facility, Drainage Basin, Access Road, Track ROW; Utility Easement
Central "B" Stream (Tributary to Santa Clara River)	Ephemeral	Refined SR14/SR14A E1/E1A E2/E2A	0.04/0.03 0.16 0.18	Bored Tunnel; Subsurface Footprint, Elevated Aerial Structure, Track ROW, Access Road
Central "C" Stream (Tributary to Santa Clara River)	Ephemeral	Refined SR14/SR14A E1/E1A E2/E2A	0.05 ^b /0.03 0.03 ^b	Bored Tunnel; Subsurface Footprint; Traction Power Facility, Utility Easement

Waterbody ^a	Type	Build Alternative Alignment(s)	Length of Crossing (miles)	Type of Crossing
Central "D" Stream (Tributary to Santa Clara River)	Ephemeral	Refined SR14/SR14A E1/E1A E2/E2A	0.14/0.03 0.22 0.24 ^b	Elevated/Aerial Structure, Bored Tunnel, Track ROW, Traction Power Facility, Drainage Basin, Access Road, Utility Easement
Central "E" Stream (Tributary to Santa Clara River)	Ephemeral	Refined SR14/SR14A E1/E1A E2/E2A	0.57/0.09 0.04	Bored Tunnel, Subsurface Footprint Elevated/Aerial Structure Viaduct, At-grade; Track ROW, Traction Power Facility, Utility Easement
Central "F" Stream (Tributary to Santa Clara River)	Ephemeral	Refined SR14/SR14A E1/E1A E2/E2A	0.37/0.01 0.01 0.02	Track ROW, Utility Easement, Access Road, Bored Tunnel, Subsurface Footprint
Central "G" Stream (Tributary to Santa Clara River)	Ephemeral	Refined SR14/SR14A	0.35/0.02	Access Road, Utility Easement, Drainage Basin
Central "H" Lake/Pond	Perennial	Refined SR14/SR14A	0.04	At-grade Covered; Track ROW, Drainage Basin
Central "I" Lake/Pond	Perennial	Refined SR14/SR14A	0.15	At-grade Covered; Track ROW, Tunnel Portal, Access Road, Disposal Site/Restoration
Central "J" Stream (Tributary to Santa Clara River)	Ephemeral	Refined SR14/SR14A	0.03	Bored Tunnel; Subsurface Footprint
Central "K" Stream (Tributary to Santa Clara River)	Ephemeral	Refined SR14/SR14A	0.03	Bored Tunnel; Subsurface Footprint
Central "L" Stream (Tributary to Santa Clara River)	Ephemeral	Refined SR14/SR14A	0.03	Bored Tunnel; Subsurface Footprint
Central "M" Stream (Tributary to Santa Clara River)	Ephemeral	Refined SR14/SR14A	0.04	Bored Tunnel; Subsurface Footprint, Utility Easement
Central "N" Stream (Tributary to Santa Clara River)	Ephemeral	Refined SR14/SR14A	0.08	Disposal Site/Restoration

Waterbody ^a	Type	Build Alternative Alignment(s)	Length of Crossing (miles)	Type of Crossing
Central "O" Stream (Tributary to Santa Clara River)	Ephemeral	Refined SR14/SR14A	0.11	Disposal Site/Restoration
Spring Creek (Tributary to Pacoima Wash)	Intermittent	E1/E1A	0.03	Bored Tunnel, Subsurface Footprint
Pacoima Wash	Intermittent/Perennial	Refined SR14/SR14A E1/E1A E2/E2A	1.18 ^b /0.88 1.58 ^b 0.45	Bored Tunnel; Subsurface Footprint, Traction Power Facility, Utility Easement
Alder Creek (Tributary to Gold Creek and Little Tujunga Creek)	Intermittent	E2/E2A	0.05	Bored Tunnel, Subsurface Footprint, Subsurface Easement
Gold Creek (Tributary to Little Tujunga Creek)	Intermittent	E2/E2A	0.32 ^b	Bored Tunnel, Subsurface Footprint, Traction Power Facility, Utility Easement, Track ROW
Tujunga Wash	Canal/Ditch	Refined SR14/SR14A E1/E1A	0.22 ^b /0.15 0.02	Elevated Aerial Structure, Viaduct, Track ROW
Big Tujunga Creek	Perennial	E2/E2A	0.03	Elevated Aerial Structure, Track ROW

Source: USGS 2014, USGS 2015a-g

^a Watercourse names are based on USGS topographic maps and currently considered preliminary.

^b The 'length of crossing' for this waterbody is an aggregate of multiple crossing locations.

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