Appendix 32B
Impacts by Alternative

This appendix supports Chapter 32, *Tribal Cultural Resources*, and provides a summary of the potential Delta Conveyance Project (project) impacts on Tribal cultural resources in the study area by alternative and provides additional details about effects on the character-defining features of the Delta Tribal Cultural Landscape.

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Table 32B-1. Tribal Cultural Resources Impacts by Alternative

TCR Name	**Alternative 1** Central 6,000 cfs, Intakes B and C	Alt 1. CEQA Impact	**Alternative 2a** Central 7,500 cfs, Intakes A, B, C	Alt 2a. CEQA Impact	**Alternative 2b** Central 3,000 cfs, Intake C	Alt 2b. CEQA Impact	**Alternative 2c** Central 4,500 cfs, Intakes B and C	Alt 2c. CEQA Impact	**Alternative 3** Eastern 6,000 cfs, Intakes B and C	Alt 3. CEQA Impact	**Alternative 4a** Eastern 7,500 cfs, Intakes A, B, C	Alt 4a. CEQA Impact	**Alternative 4b** Eastern 3,000 cfs, Intake C	Alt 4b. CEQA Impact	**Alternative 4c** Eastern 4,500 cfs, Intakes B and C	Alt 4c. CEQA Impact	**Alternative 5** Bethany Reservoir 6,000 cfs, Intakes B and C	Alt 5. CEQA Impact	**Mitigation Areas**	Mitigation Area CEQA Impact
Sacramento–San Joaquin Delta Tribal Cultural Landscape (Delta TCL)	Construction, operation, and maintenance have the potential to materially impair one or more culturally affiliated Tribes' ability to physically, spiritually, or ceremonially experience all of the character-defining features of this Tribal cultural resource (due to the complexity of this resource, the character-defining features are discussed in more detail in the next six rows).	**SU**	Similar to Alternative 1	**SU**	Similar to Alternative 1	**SU**	Similar to Alternative 1	**SU**	Similar to Alternative 1	**SU**	Similar to Alternative 1	**SU**	Similar to Alternative 1	**SU**	Similar to Alternative 1	**SU**	Similar to Alternative 1	**SU**	Similar to Alternative 1	**SU**
	The ***Delta as a holistic place that is a Tribal homeland and place of origin, used by people past and present for sustenance, refuge, travel, ceremony, trade, and burial.*** Construction of intakes, tunnel shafts, levees, road improvements, and Southern Complex could cause physical changes that could materially impair the qualities that culturally affiliated Tribes recognize about their homeland. Operations of the intakes, tunnel, shafts, and Southern Complex would conflict with stewardship activities performed by culturally affiliated Tribes which would materially impair their spiritual and ceremonial experience of the Delta as a holistic place.	–	Similar to Alternative 1	–	Same as Alternative 1	–	Same as Alternative 1	–	Same as Alternative 1	–	Same as Alternative 1	–	Same as Alternative 1	–	Same as Alternative 1	–	Same as Alternative 1 except that instead of the Southern Complex, the Bethany Complex would contribute to the overall impact.	–	Same as Alternative 1	–
	The waterways that are sacred, that continue to live and to change, and that provide sustenance and transportation for important historical people, deities, spirits and ancestors, and fish and people. Negligible changes in water flows. Water quality would not be substantially degraded. Diversion of water from the Sacramento River would disrupt the journey of deities and ancestors who use these waters, which could materially impair Tribes' ability to physically, spiritually, or ceremonially experience this feature of the Delta TCL	–	Same as Alternative 1	–	Same as Alternative 1	–	Same as Alternative 1	–	Same as Alternative 1	–	Same as Alternative 1	–	Same as Alternative 1	–	Same as Alternative 1	–	Same as Alternative 1	–	Same as Alternative 1	–
	The terrestrial and aquatic plant and animal species and habitats that are part of the Delta's ecosystem and the heritage of California Tribes pertaining to sustenance, traditional knowledge, ceremony and spiritual practices, and stewardship. Construction of above-ground facilities would cause impacts on terrestrial biological resources due to ground disturbance and removal of habitat, which could materially impair Tribes' ability to physically, spiritually, or ceremonially experience this feature of the Delta TCL Potential impacts from operations and maintenance on Sacramento River winter-run Chinook salmon, Central Valley spring-	–	Similar to Alternative 1, except Alternative 2a would result in the greatest impacts on terrestrial biological resources.	–	Same as Alternative 1	–	Same as Alternative 1	–	The eastern alignment would generally result in less impacts to terrestrial biological resources relative to the central alignment. Potential impacts on fish and aquatic habitat would be the same as Alternative 1.	–	Same as Alternative 3	–	Same as Alternative 3	–	Same as Alternative 3	–	Alternative 5 would result in the least impacts on terrestrial biological resources, compared with other alternatives. Potential impacts on fish and aquatic habitat would be the same as Alternative 1.	–	Same as Alternative 1	–

TCR Name	**Alternative 1** Central 6,000 cfs, Intakes B and C	Alt 1. CEQA Impact	**Alternative 2a** Central 7,500 cfs, Intakes A, B, C	Alt 2a. CEQA Impact	**Alternative 2b** Central 3,000 cfs, Intake C	Alt 2b. CEQA Impact	**Alternative 2c** Central 4,500 cfs, Intakes B and C	Alt 2c. CEQA Impact	**Alternative 3** Eastern 6,000 cfs, Intakes B and C	Alt 3. CEQA Impact	**Alternative 4a** Eastern 7,500 cfs, Intakes A, B, C	Alt 4a. CEQA Impact	**Alternative 4b** Eastern 3,000 cfs, Intake C	Alt 4b. CEQA Impact	**Alternative 4c** Eastern 4,500 cfs, Intakes B and C	Alt 4c. CEQA Impact	**Alternative 5** Bethany Reservoir 6,000 cfs, Intakes B and C	Alt 5. CEQA Impact	**Mitigation Areas**	Mitigation Area CEQA Impact
	run Chinook salmon, Central Valley steelhead, delta smelt, and longfin smelt. [Chapter 13]																			
	The ethnohistorical locations that are sacred places and historically important, both mapped and unmapped. Construction of intakes, tunnel shafts, levees, road improvements, and Southern Complex could materially impair Tribes' ability to physically, spiritually, or ceremonially experience ethnohistorical locations located at or near these project features. Operation and maintenance of the intakes, tunnel, shafts, and Southern Complex would impair Tribes' spiritual and ceremonial experience of village or ceremony locations, paths and trails, and locations of practices related to trade and subsistence.	–	Same as Alternative 1	–	Same as Alternative 1	–	Same as Alternative 1	–	Same as Alternative 1	–	Same as Alternative 1	–	Same as Alternative 1	–	Same as Alternative 1	–	Same as Alternative 1 except that instead of the Southern Complex, the Bethany Complex would contribute to the overall impact.	–	Same as Alternative 1	–
	The archaeological sites that are sacred places, important historical places, cemeteries, mounded landforms that were built above the floodplain, fishing places, gathering places, and places of traditional knowledge. Ground disturbance during construction could result in damage or destruction of archaeological resources, which could materially impair Tribes' ability to physically, spiritually, or ceremonially experience that feature of the Delta TCL.	–	Same as Alternative 1 except 31 known sites	–	Same as Alternative 1 except 27 known sites	–	Same as Alternative 1 except 28 known sites	–	Same as Alternative 1 except 20 known sites	–	Same as Alternative 1 except 22 known sites	–	Same as Alternative 1 except 18 known sites	–	Same as Alternative 1 except 20 known sites	–	Same as Alternative 1 except 13 known sites	–	Same as Alternative 1 except 0 known sites	–
	The views and vistas of and from the Delta that are sacred and important to the heritage of California Tribes. Construction of the water conveyance features would result in impacts on viewsheds as a result of degrading existing vistas, degrading the visual character of the study area, and introducing light and glare, which could materially impair Tribes' ability to physically, spiritually, or ceremonially experience the Delta TCL.	–	Same as Alternative 1	–	Same as Alternative 1	–	Same as Alternative 1	–	Same as Alternative 1	–	Same as Alternative 1	–	Same as Alternative 1	–	Same as Alternative 1	–	Same as Alternative 1	–	Same as Alternative 1	–
Individual Tribal cultural resources that may be identified through ongoing consultation, field surveys, or during construction.	The manner in which the project has the potential to affect individual resources likely would be the same, or very similar to, how the project would affect character-defining features of the Delta TCL. Ground disturbance may damage or destroy the resource or materially impair a Tribe's spiritual or ceremonial experience of the resource. Construction, operation, and maintenance have the potential to visually or experientially interfere with Tribes' ability to experience the resource, depending on what qualities qualify the resource for listing in the CRHR.	**SU**	Same as Alternative 1	**SU**	Same as Alternative 1	**SU**	Same as Alternative 1	**SU**	Same as Alternative 1	**SU**	Same as Alternative 1	**SU**	Same as Alternative 1	**SU**	Same as Alternative 1	**SU**	Same as Alternative 1	**SU**	Same as Alternative 1	**SU**

1 Alt = Alternative; CEQA = California Environmental Quality Act; cfs = cubic feet per second; Delta TCL = Delta Tribal Cultural Landscape; SU = significant and unavoidable; TCR = Tribal cultural resource; CRHR = California Register of Historical Resources.