

Table ES-2. Summary of Impacts and Mitigation Measures

Impact	Alternative	CEQA/ NEPA Finding	Mitigation Measure	Finding with Mitigation
Surface Water Resources				
Impact HYDRO-1: Reduce water supply for non-Sites Storage Partner water users				
<i>Construction and Operation</i>	No Project	NI/NE	-	-
	1, 2, 3	LTS/NE	-	-
Impact HYDRO-2: Substantial increase in the rate or amount of surface runoff in a manner which would result in flooding on site or off site				
<i>Construction</i>	No Project	NI/NE	-	-
	1, 2, 3	LTS/NE	-	-
<i>Operation</i>	No Project	NI/NE	-	-
	1, 2, 3	LTS/B	-	-
Impact HYDRO-3: Impede or redirect flood flows				
<i>Construction and Operation</i>	No Project	NI/NE	-	-
	1, 2, 3	LTS/NE	-	-
Surface Water Quality				
Impact WQ-1: Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface water quality during construction				
<i>Construction</i>	No Project	NI/NE	-	-
	1, 2, 3	S/SA	Mitigation Measure WQ-1.1: Methylmercury Management	SU/SA
Impact WQ-2: Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface water quality during operation				
<i>Operation</i>	No Project	NI/NE	-	-

Impact	Alternative	CEQA/ NEPA Finding	Mitigation Measure	Finding with Mitigation
	1, 2, 3	S/SA	Mitigation Measure WQ-1.1: Methylmercury Management Mitigation Measure WQ-2.1: Prevent Metal Impacts in Stone Corral Creek Associated with Sites Reservoir Discharge Mitigation Measure WQ-2.2: Prevent Net Detrimental Metal and Pesticide Effects Associated with Moving Colusa Basin Drain Water Through the Yolo Bypass	SU/SA
Impact WQ-3: Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface water quality during maintenance activities				
<i>Operation</i>	No Project	NI/NE	-	-
	1, 2, 3	LTS/NE	-	-
Impact WQ-4: Be placed in a flood hazard or seiche zone, risking release of pollutants due to Project inundation				
<i>Construction and Operation</i>	No Project	NI/NE	-	-
	1, 2, 3	LTS/NE	-	-
Impact WQ-5: Conflict with or obstruct implementation of a water quality control plan				
<i>Construction and Operation</i>	No Project	NI/NE	-	-
	1, 2, 3	LTS/NE	-	-
Impact WQ-6: Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff				
<i>Construction and Operation</i>	No Project	NI/NE	-	-
	1, 2, 3	LTS/NE	-	-
Fluvial Geomorphology				
Impact FLV-1: Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would result in a substantial increase or decrease in on- or offsite erosion or siltation				
	No Project	NI/NE	-	-

Impact	Alternative	CEQA/ NEPA Finding	Mitigation Measure	Finding with Mitigation
<i>Construction and Operation</i>	1, 2, 3	LTS/NE	-	-
Impact FLV-2: Substantially alter natural river geomorphic processes (i.e., flow regime, sediment transport, and bank erosion) and existing river geomorphic characteristics (i.e., sinuosity, channel gradient, substrate composition, channel width and depth, and riparian vegetation)				
<i>Construction and Operation</i>	No Project	NI/NE	-	-
	1, 2, 3	LTS/NE	-	-
Impact FLV-3: Substantially alter the amount of instream woody material, boulders, shaded riverine aquatic habitat, or spawning gravel in Funks and Stone Corral Creeks downstream of Sites Reservoir				
<i>Construction and Operation</i>	No Project	NI/NE	-	-
	1, 2, 3	LTS/NE	-	-
Impact FLV-4: Substantially alter geomorphic processes upstream of the dam sites				
<i>Construction and Operation</i>	No Project	NI/NE	-	-
	1, 2, 3	LTS/NE	-	-
Groundwater Resources				
Impact GW-1: Violation of water quality standards or waste discharge requirements or otherwise substantial degradation of groundwater quality				
<i>Construction</i>	No Project	NI/NE	-	-
	1, 2, 3	LTS/NE	-	-
<i>Operation</i>	No Project	NI/NE	-	-
	1, 2, 3	LTS/B	-	-
Impact GW-2: Substantial decrease in groundwater supplies or substantial interference with groundwater recharge that would impede sustainable groundwater management of the basin				
<i>Construction</i>	No Project	NI/NE	-	-

Impact	Alternative	CEQA/ NEPA Finding	Mitigation Measure	Finding with Mitigation
	1, 2, 3	LTS/NE	-	-
<i>Operation</i>	No Project	NI/NE	-	-
	1, 2, 3	LTS/B	-	-
Impact GW-3: Conflict with or obstruct implementation of a sustainable groundwater management plan				
<i>Construction and Operation</i>	No Project	NI/NE	-	-
	1, 2, 3	LTS/NE	-	-
Vegetation and Wetland Resources				
Impact VEG-1: Substantial adverse effect (i.e., loss or removal), either directly or through habitat modifications, on plant species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service				
<i>Construction</i>	No Project	NI/NE	-	-
	1, 2, 3	S/SA	Mitigation Measure VEG-1.1: Conduct Appropriately Timed Surveys for Special-Status Plant Species Prior to Construction Activities Mitigation Measure VEG-1.2: Establish Activity Exclusion Zones Around Special-Status Plants in Temporary Impact Areas and Compensate for Permanent Impacts on Special-Status Plant Species	LTSM/NE
<i>Operation</i>	No Project	NI/NE	-	-
	1, 2, 3	S/SA	Mitigation Measure VEG-1.3: Establish Activity Exclusion Zones Around Special-Status Plants Prior to Vegetation Maintenance Activities	LTSM/NE
Impact VEG-2: Substantial adverse effect (i.e., loss or removal) on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, and regulations or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service				
<i>Construction</i>	No Project	NI/NE	-	-

Impact	Alternative	CEQA/ NEPA Finding	Mitigation Measure	Finding with Mitigation
	1, 2, 3	S/SA	<p>Mitigation Measure VEG-2.1: Conduct Surveys for Sensitive Natural Communities and Oak Woodlands in the Project Area Prior to Construction Activities</p> <p>Mitigation Measure VEG-2.2: Avoid and Compensate for Adverse Effects on Sensitive Natural Communities</p>	SU/SA
Operation	No Project	NI/NE	-	-
	1, 2, 3	S/SA	Mitigation Measure VEG-2.3: Establish Activity Exclusion Zones Around Sensitive Natural Communities Prior to Vegetation Maintenance Activities	LTSM/NE
Impact VEG-3: Substantial adverse effect (i.e., loss or removal) on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means				
Construction	No Project	NI/NE	-	-
	1, 2, 3	S/SA	<p>Mitigation Measure VEG-3.1: Avoid and Minimize Disturbance of Wetlands and Non-Wetland Waters During Construction Activities</p> <p>Mitigation Measure VEG-3.2: Compensate for Temporary and Permanent Impacts on State- or Federally Protected Wetlands</p> <p>Mitigation Measure VEG-3.3: Compensate for Temporary and Permanent Impacts on State- or Federally Protected Non-Wetland Waters</p>	LTSM/NE
Operation	No Project	NI/NE	-	-
	1, 2, 3	S/SA	Mitigation Measure VEG-3.4: Establish Activity Exclusion Zones Around Wetlands and Non-Wetland Waters Prior to Vegetation Maintenance Activities	LTSM/NE
Impact VEG-4: Conflict with any local policies or ordinances protecting vegetation resources (including wetlands and non-wetland waters), such as a tree preservation policy or ordinance				
Construction	No Project	NI/NE	-	-
	1, 2, 3	S/SA	Mitigation Measure VEG-1.2: Establish Activity Exclusion Zones Around Special-Status Plants in Temporary Impact Areas and Compensate for Permanent Impacts on Special-Status Plant Species	SU/SA

Impact	Alternative	CEQA/ NEPA Finding	Mitigation Measure	Finding with Mitigation
			<p>Mitigation Measure VEG-2.1: Conduct Surveys for Sensitive Natural Communities and Oak Woodlands in the Project Area Prior to Construction Activities</p> <p>Mitigation Measure VEG-2.2: Avoid and Compensate for Adverse Effects on Sensitive Natural Communities</p> <p>Mitigation Measure VEG-3.1: Avoid and Minimize Disturbance of Wetlands and Non-Wetland Waters During Construction Activities</p> <p>Mitigation Measure VEG-3.2: Compensate for Temporary and Permanent Impacts on State- or Federally Protected Wetlands</p> <p>Mitigation Measure VEG-3.3: Compensate for Temporary and Permanent Impacts on State- or Federally Protected Non-Wetland Waters</p> <p>Mitigation Measure VEG-4.1: Avoid and Minimize Potential Adverse Effects on Oak Woodlands During Construction</p> <p>Mitigation Measure VEG-4.2: Compensate for Adverse Effects on Oak Woodlands</p>	
<i>Operation</i>	No Project	NI/NE	-	-
	1, 2, 3	S/SA	Mitigation Measure VEG-4.3: Establish Activity Exclusion Zones Around Blue Oak Woodlands Prior to Vegetation Maintenance Activities	LTSM/NE
Impact VEG-5: Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan				
<i>Construction</i>	No Project	NI/NE	-	-
	1, 2, 3	S/SA	<p>Mitigation Measure VEG-2.1: Conduct Surveys for Sensitive Natural Communities and Oak Woodlands in the Project Area Prior to Construction Activities</p> <p>Mitigation Measure VEG-2.2: Avoid and Compensate for Adverse Effects on Sensitive Natural Communities</p> <p>Mitigation Measure VEG-3.1: Avoid and Minimize Disturbance of Wetlands and Non-Wetland Waters During Construction Activities</p>	LTSM/NE

Impact	Alternative	CEQA/ NEPA Finding	Mitigation Measure	Finding with Mitigation
			<p>Mitigation Measure VEG-3.2: Compensate for Temporary and Permanent Impacts on State- or Federally Protected Wetlands</p> <p>Mitigation Measure VEG-3.3: Compensate for Temporary and Permanent Impacts on State- or Federally Protected Non-Wetland Waters</p> <p>Mitigation Measure VEG-4.1: Avoid and Minimize Potential Adverse Effects on Oak Woodlands During Construction</p> <p>Mitigation Measure VEG-4.2: Compensate for Adverse Effects on Oak Woodlands</p>	
<i>Operation</i>	No Project	NI/NE	-	-
	1, 2, 3	NI/NE	-	-
Impact VEG-6: Introduction or increased spread of invasive plant species				
<i>Construction and Operation</i>	No Project	NI/NE	-	-
	1, 2, 3	LTS/NE	-	-
Wildlife Resources				
Impact WILD-1: Substantial adverse effect (i.e., loss or removal), either directly or through habitat modifications, on wildlife species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service.				
<i>Construction</i>	No Project	NI/NE	-	-
	1, 3	S/SA	<p>Mitigation Measure WILD-1.1: Assess Habitat Suitability and Survey Suitable Habitat for Vernal Pool Branchiopods</p> <p>Mitigation Measure WILD-1.2: Avoid and Minimize Potential Effects on Vernal Pool Branchiopods and Western Spadefoot</p> <p>Mitigation Measure WILD-1.3: Compensate for Impacts on Occupied Vernal Pool Branchiopod Habitat</p> <p>Mitigation Measure WILD-1.6: Conduct Surveys for Suitable Valley Elderberry Longhorn Beetle Habitat</p> <p>Mitigation Measure WILD-1.7: Fence Elderberry Shrubs to be Protected</p>	<p>SU/SA (golden eagle)</p> <p>LTSM/NE (other species)</p>

Impact	Alternative	CEQA/ NEPA Finding	Mitigation Measure	Finding with Mitigation
			<p>Mitigation Measure WILD-1.8: Transplant Permanently Affected Elderberry Shrubs and Compensate for Loss of Valley Elderberry Longhorn Beetle and its Habitat</p> <p>Mitigation Measure WILD-1.10: Assess Habitat Suitability and Survey for Presence of Monarch Butterfly Nectar and Larval Host Plants</p> <p>Mitigation Measure WILD-1.11: Compensate for Loss of Monarch Butterfly Nectar and Larval Host Plants</p> <p>Mitigation Measure WILD-1.12: Assess Habitat Suitability and Survey for Presence of Crotch Bumble Bee and Western Bumble Bee Food Plants</p> <p>Mitigation Measure WILD-1.13: Compensate for Loss of Crotch Bumble Bee and Western Bumble Bee Habitat</p> <p>Mitigation Measure WILD-1.14: Assess Habitat Suitability and Survey Suitable Habitat for Western Spadefoot, California Red-legged Frog, and Western Pond Turtle</p> <p>Mitigation Measure VEG-2.2: Avoid and Compensate for Adverse Effects on Sensitive Natural Communities</p> <p>Mitigation Measure VEG-3.2: Compensate for Temporary and Permanent Impacts on State- or Federally Protected Wetlands</p> <p>Mitigation Measure WILD-1.17: Implement California Red-legged Frog Protective Measures</p> <p>Mitigation Measure WILD-1.18: Compensate for Permanent and Temporary Losses of Occupied California Red-legged Frog Aquatic and Upland Habitats</p> <p>Mitigation Measure WILD-1.19: Conduct Preconstruction Surveys for Western Pond Turtle and Monitor Initial In-Water Work</p> <p>Mitigation Measure VEG-3.1: Avoid and Minimize Disturbance of Wetlands and Non-Wetland Waters During Construction Activities</p> <p>Mitigation Measure VEG-3.3: Compensate for Temporary and Permanent Impacts on State- or Federally Protected Non-Wetland Waters</p>	

Impact	Alternative	CEQA/ NEPA Finding	Mitigation Measure	Finding with Mitigation
			<p>Mitigation Measure WILD-1.20: Implement Protective Measures for Giant Gartersnake</p> <p>Mitigation Measure WILD-1.21: Compensate for Permanent and Temporary Losses of Giant Gartersnake Aquatic and Upland Habitats</p> <p>Mitigation Measure WILD-1.22: Conduct Vegetation Removal During the Non-Breeding Season of Nesting Migratory Birds</p> <p>Mitigation Measure WILD-1.23: Conduct Preconstruction Surveys for Non-Raptor Nesting Migratory Birds and Implement Protective Measures if Found</p> <p>Mitigation Measure WILD-1.24: Conduct Surveys for Western Burrowing Owl Prior to Construction and Implement Avoidance and Minimization Measures if Found</p> <p>Mitigation Measure WILD-1.25: Restore Temporarily Disturbed Habitat and Compensate for the Permanent Loss of Occupied Burrowing Owl Habitat</p> <p>Mitigation Measure WILD-1.28: Conduct Focused Surveys for Golden Eagle and Bald Eagle and Implement Protective Measures if Found</p> <p>Mitigation Measure WILD-1.29: Compensate for the Loss of Eagle Nest Trees</p> <p>Mitigation Measure VEG-4.1: Avoid and Minimize Potential Adverse Effects on Oak Woodlands During Construction</p> <p>Mitigation Measure VEG-4.2: Compensate for Adverse Effects on Oak Woodlands</p> <p>Mitigation Measure WILD-1.30: Conduct Focused Surveys for Nesting Swainson’s Hawk, White-tailed Kite, and Other Raptors Prior to Construction and Implement Protective Measures During Construction</p> <p>Mitigation Measure WILD-1.31: Compensate for the Permanent Loss of Foraging Habitat for Swainson’s Hawk</p> <p>Mitigation Measure AG-1.1: Purchase Agricultural Conservation Easements to Preserve Regional Important Farmland</p>	

Impact	Alternative	CEQA/ NEPA Finding	Mitigation Measure	Finding with Mitigation
			<p>Mitigation Measure WILD-1.32: Conduct Surveys and Implement Protection Measures for Special-Status Bat Species Prior to Building/Structure Demolition</p> <p>Mitigation Measure WILD-1.33: Conduct Surveys and Implement Protection Measures for Special-Status Bat Species Prior to Tree Trimming and Removal</p> <p>Mitigation Measure WILD-1.34: Compensate for Permanent Impacts on Occupied Roosting Habitat</p> <p>Mitigation Measure WILD-1.35: Implement Protective Measures to Avoid and Minimize Potential Impacts on American Badger</p>	
	2	S/SA	<p>Same as Alternative 1, plus:</p> <p>Mitigation Measure WILD-1.4: Evaluate and Survey Potential Habitat for Antioch Dunes Anthicid and Sacramento Anthicid Beetles and Implement Protective Measures</p> <p>Mitigation Measure WILD-1.5: Compensate for the Loss of Occupied Antioch Dunes Anthicid and Sacramento Anthicid Beetle Habitat</p>	SU/SA (golden eagle), LTSM/NE (other species)
Operation	No Project	NI/NE	-	-
	1, 2, 3	S/SA	<p>Mitigation Measure WILD-1.9: Protect Special-Status Invertebrates and Their Host and Food Plants from Herbicide and Pesticide Use</p> <p>Mitigation Measure WILD-1.15: Design and Construct Wildlife Crossings for New Roadways at Suitable Locations</p> <p>Mitigation Measure WILD-1.16: Monitor and Maintain Wildlife Crossings</p> <p>Mitigation Measure WILD-1.26: Protect Special-Status Wildlife from Rodenticide Use</p> <p>Mitigation Measure WILD-1.27: Construct Overhead Power Lines and Associated Equipment Following Suggested Practices to Reduce Bird Collisions with Power Lines</p> <p>Mitigation Measure WQ-1.1: Methylmercury Management</p>	LTSM/NE

Impact	Alternative	CEQA/ NEPA Finding	Mitigation Measure	Finding with Mitigation
Impact WILD-2: Substantial interference with the movement of a native resident or migratory wildlife species or with established native resident or migratory wildlife corridors, or impediment of the use of native wildlife nursery sites				
<i>Construction</i>	No Project	NI/NE	-	-
	1, 2, 3	S/SA	Same as for Impact WILD-1	SU/SA
<i>Operation</i>	No Project	NI/NE	-	-
	1, 2, 3	S/SA	Same as for Impact WILD-1	SU/SA
Impact WILD-3: Conflict with any local policies or ordinances protecting wildlife resources				
<i>Construction</i>	No Project	NI/NE	-	-
	1, 2, 3	S/SA	Same as for Impacts WILD-1 and WILD-2	LTSM/NE
<i>Operation</i>	No Project	NI/NE	-	-
	1, 2, 3	S/SA	Same as for Impacts WILD-1 and WILD-2	LTSM/NE
Impact WILD-4: Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan				
<i>Construction</i>	No Project	NI/NE	-	-
	1, 2, 3	S/SA	Same as for Impact WILD-1	LTSM/NE
<i>Operation</i>	No Project	NI/NE	-	-
	1, 2, 3	S/SA	Same as for Impact WILD-1	LTSM/NE
Aquatic Biological Resources				
Impact FISH-1: Construction effects on special-status fish				
<i>Construction</i>	No Project	NI/NE	-	-

Impact	Alternative	CEQA/ NEPA Finding	Mitigation Measure	Finding with Mitigation
	1, 2, 3	S/SA	<p>Mitigation Measure VEG-2.1: Conduct Surveys for Sensitive Natural Communities and Oak Woodlands in the Project Area Prior to Construction Activities</p> <p>Mitigation Measure VEG-2.2: Avoid and Compensate for Adverse Effects on Sensitive Natural Communities</p> <p>Mitigation Measure VEG-3.2: Compensate for Temporary and Permanent Impacts on State- or Federally Protected Wetlands</p> <p>Mitigation Measure VEG-3.3: Compensate for Temporary and Permanent Impacts on State- or Federally Protected Non-Wetland Waters</p>	LTSM/NE
Impact FISH-2: Operations effects on winter-run Chinook salmon				
<i>Operation</i>	No Project	NI/NE	-	-
	1, 2, 3	LTS/NE	-	-
Impact FISH-3: Operations effects on spring-run Chinook salmon				
<i>Operation</i>	No Project	NI/NE	-	-
	1, 2, 3	LTS/NE	-	-
Impact FISH-4: Operations effects on fall-run/late fall-run Chinook salmon				
<i>Operation</i>	No Project	NI/NE	-	-
	1, 2, 3	LTS/NE	-	-
Impact FISH-5: Operations effects on Central Valley steelhead				
<i>Operation</i>	No Project	NI/NE	-	-
	1, 2, 3	LTS/NE	-	-
Impact FISH-6: Operations effects on green sturgeon				
<i>Operation</i>	No Project	NI/NE	-	-
	1, 2, 3	LTS/NE	-	-
Impact FISH-7: Operations effects on white sturgeon				
<i>Operation</i>	No Project	NI/NE	-	-

Impact	Alternative	CEQA/ NEPA Finding	Mitigation Measure	Finding with Mitigation
	1, 2, 3	LTS/NE	-	-
Impact FISH-8: Operations effects on delta smelt				
Operation	No Project	NI/NE	-	-
	1, 2, 3	S/SA	Mitigation Measure FISH-8.1: Prevent Detrimental Dissolved Oxygen and Water Temperature Effects on Fish Associated with Moving Colusa Basin Drain Water Through the Yolo Bypass Mitigation Measure WQ-2.2: Prevent Net Detrimental Metal and Pesticide Effects Associated with Moving Colusa Basin Drain Water Through the Yolo Bypass	LTSM/NE
Impact FISH-9: Operations effects on longfin smelt				
Operation	No Project	NI/NE	-	-
	1, 2, 3	S/SA	Mitigation Measure FISH-9.1: Tidal Habitat Restoration for Longfin Smelt	LTSM/NE
Impact FISH-10: Operations effects on lampreys				
Operation	No Project	NI/NE	-	-
	1, 2, 3	LTS/NE	-	-
Impact FISH-11: Operations effects on native minnows (Sacramento splittail, Sacramento hitch, hardhead, and Central California roach)				
Operation	No Project	NI/NE	-	-
	1, 2, 3	LTS/NE	-	-
Impact FISH-12: Operations effects on starry flounder and northern anchovy				
Operation	No Project	NI/NE	-	-
	1, 2, 3	LTS/NE	-	-
Impact FISH-13: Operations effects on striped bass				
Operation	No Project	NI/NE	-	-
	1, 2, 3	LTS/NE	-	-
Impact FISH-14: Operations effects on American shad				
Operation	No Project	NI/NE	-	-

Impact	Alternative	CEQA/ NEPA Finding	Mitigation Measure	Finding with Mitigation
	1, 2, 3	LTS/NE	-	-
Impact FISH-15: Operations effects on threadfin shad				
<i>Operation</i>	No Project	NI/NE	-	-
	1, 2, 3	LTS/NE	-	-
Impact FISH-16: Operations effects on black bass (largemouth bass, smallmouth bass, and spotted bass)				
<i>Operation</i>	No Project	NI/NE	-	-
	1, 2, 3	LTS/NE	-	-
Impact FISH-17: Operations effects on California bay shrimp				
<i>Operation</i>	No Project	NI/NE	-	-
	1, 2, 3	LTS/NE	-	-
Impact FISH-18: Operations effects on reservoir fish species				
<i>Operation</i>	No Project	NI/NE	-	-
	1, 2, 3	LTS/B	-	-
Impact FISH-19: Operations effects on Southern Resident killer whale				
<i>Operation</i>	No Project	NI/NE	-	-
	1, 2, 3	LTS/NE	-	-
Impact FISH-20: Maintenance effects on fish and aquatic biological resources				
<i>Operation</i>	No Project	NI/NE	-	-
	1, 2, 3	LTS/NE	-	-
Geology and Soils				
Impact GEO-1a: Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving: Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map, issued by the State Geologist for the area or based on other substantial evidence of a known fault				
<i>Construction and Operation</i>	No Project	NI/NE	-	-
	1, 2, 3	LTS/NE	-	-

Impact	Alternative	CEQA/ NEPA Finding	Mitigation Measure	Finding with Mitigation
Impact GEO-1b: Strong seismic ground shaking				
<i>Construction and Operation</i>	No Project	NI/NE	-	-
	1, 2, 3	LTS/NE	-	-
Impact GEO-1c: Seismic-related ground failure, including liquefaction				
<i>Construction and Operation</i>	No Project	NI/NE	-	-
	1, 2, 3	LTS/NE	-	-
Impact GEO-1d: Landslides				
<i>Construction and Operation</i>	No Project	NI/NE	-	-
	1, 2, 3	LTS/NE	-	-
Impact GEO-2: Result in reservoir-triggered seismicity or be subject to a seiche				
<i>Construction and Operation</i>	No Project	NI/NE	-	-
	1, 2, 3	LTS/NE	-	-
Impact GEO-3: Result in substantial soil erosion or the loss of topsoil				
<i>Construction and Operation</i>	No Project	NI/NE	-	-
	1, 2, 3	LTS/NE	-	-
Impact GEO-4: Be located in a geologic unit or soil that is unstable, or that would become unstable as a result of the Project, and potentially result in onsite or offsite landslide, lateral spreading, subsidence, liquefaction, or collapse				
<i>Construction and Operation</i>	No Project	NI/NE	-	-
	1, 2, 3	LTS/NE	-	-
Impact GEO-5: Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property				
<i>Construction</i>	No Project	NI/NE	-	-

Impact	Alternative	CEQA/ NEPA Finding	Mitigation Measure	Finding with Mitigation
	1, 2, 3	NI/NE	-	-
Operation	No Project	NI/NE	-	-
	1, 2, 3	LTS/NE	-	-
Impact GEO-6: Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater				
Construction and Operation	No Project	NI/NE	-	-
	1, 2, 3	LTS/NE	-	-
Impact GEO-7: Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature				
Construction	No Project	NI/NE	-	-
	1, 3	S/SA	<p>Mitigation Measure GEO-7.1: Retain a Qualified Paleontological Resource Specialist Prior to the Start of Construction</p> <p>Mitigation Measure GEO-7.2: Consultation with the Paleontological Resource Specialist Prior to and During Project Construction</p> <p>Mitigation Measure GEO-7.3: Prepare and Implement a Paleontological Resources Monitoring and Mitigation Plan</p> <p>Mitigation Measure GEO-7.4: Conduct Monitoring During Project Construction and Prepare Monthly Reports</p> <p>Mitigation Measure GEO-7.5: Ensure Implementation of the Paleontological Resources Monitoring and Mitigation Plan</p>	SU/SA
	2	S/SA	Same as Alternative 1	LTSM/NE
Operation	No Project	NI/NE	-	-
	1, 2, 3	LTS/NE	-	-
Minerals				
Impact MIN-1: Loss of availability of a known mineral resource that would be of value to the region and the residents of the state				
	No Project	NI/NE	-	-

Impact	Alternative	CEQA/ NEPA Finding	Mitigation Measure	Finding with Mitigation
<i>Construction and Operation</i>	1, 2, 3	NI/NE	-	-
Impact MIN-2: Loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan				
<i>Construction and Operation</i>	No Project	NI/NE	-	-
	1, 2, 3	NI/NE	-	-
Land Use				
Impact LAND-1: Physical division of an established community				
<i>Construction</i>	No Project	NI/NE	-	-
	1, 3	LTS/NE	-	-
	2	S/SA	No feasible mitigation measures identified	SU/SA
<i>Operation</i>	No Project	NI/NE	-	-
	1, 3	LTS/NE	-	-
	2	S/SA	-	SU/SA
Impact LAND-2: Significant environmental impact due to a conflict with a land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect				
<i>Construction and Operation</i>	No Project	NI/NE	-	-
	1, 2, 3	LTS/NE	-	-
Agriculture and Forestry Resources				
Impact AG-1: Conversion of Prime Farmland, Unique Farmland, or Farmland of Statewide Importance, as shown on the maps prepared pursuant to the FMMP of the California Resources Agency, to nonagricultural use.				
<i>Construction</i>	No Project	NI	-	-
	1, 2, 3	LTS	-	-
<i>Operation</i>	No Project	NI	-	-

Impact	Alternative	CEQA/ NEPA Finding	Mitigation Measure	Finding with Mitigation
	1, 2, 3	S	Mitigation Measure AG-1.1: Purchase Agricultural Conservation Easements to Preserve Regional Important Farmland	SU
Impact AG-2: Conflict with existing zoning for agricultural use or a Williamson Act contract				
Construction	No Project	NI/NE	-	-
	1, 2, 3	S/SA	Mitigation Measure AG-1.1: Purchase Agricultural Conservation Easements to Preserve Regional Important Farmland Mitigation Measure AG-2.1: Minimize Impacts on Williamson Act-Contracted Lands, Comply with Government Code Sections 51290–51293, and Coordinate with Landowners and Agricultural Operators	SU/SA
Operation	No Project	NI/NE	-	-
	1, 2, 3	S/SA	Mitigation Measure AG-1.1: Purchase Agricultural Conservation Easements to Preserve Regional Important Farmland Mitigation Measure AG-2.1: Minimize Impacts on Williamson Act-Contracted Lands, Comply with Government Code Sections 51290–51293, and Coordinate with Landowners and Agricultural Operators	SU/SA
Impact AG-3: Conversion of Prime Farmland, Farmland of Statewide Importance, or Unique Farmland, as designated under the federal Farmland Protection Policy Act, to nonagricultural use				
Construction	No Project	NE	-	-
	1, 2, 3	NE	-	-
Operation	No Project	NE	-	-
	1, 2, 3	SA	Mitigation Measure AG-1.1: Purchase Agricultural Conservation Easements to Preserve Regional Important Farmland	SA
Impact AG-4: Involve other changes in the existing environment, which, due to their location or nature, could result in the conversion of Prime Farmland, Farmland of Statewide Importance, or Unique Farmland, as designated under the FMMP of the California Resources Agency or under the federal Farmland Protection Policy Act, to nonagricultural use				
Operation	No Project	NI/NE	-	-
	1, 2, 3	NI/NE	-	-

Impact	Alternative	CEQA/ NEPA Finding	Mitigation Measure	Finding with Mitigation
Recreation Resources				
Impact REC-1: Increased use of existing neighborhood and regional parks or other recreational facilities that would result in new or accelerated substantial physical deterioration of those facilities				
<i>Construction</i>	No Project	NI/NE	-	-
	1, 2, 3	LTS/NE	-	-
<i>Operation</i>	No Project	NI/NE	-	-
	1, 2, 3	LTS/NE/B	-	-
Energy				
Impact EN-1: Potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources during construction or operation				
<i>Construction and Operation</i>	No Project	NI/NE	-	-
	1, 2, 3	LTS/NE	-	-
Impact EN-2: Conflict with or obstruct a state or local plan for renewable energy or energy efficiency				
<i>Construction and Operation</i>	No Project	NI/NE	-	-
	1, 2, 3	NI/NE	-	-
Impact EN-3: Place a substantial demand on regional energy supply or require substantial additional capacity or substantially increase peak and base period electricity demand				
<i>Construction and Operation</i>	No Project	NI/NE	-	-
	1, 2, 3	LTS/NE	-	-
Navigation, Transportation, and Traffic				
Impact TRA-1: Conflict with a program, plan, ordinance, or policy addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities				
	No Project	NI/NE	-	-

Impact	Alternative	CEQA/ NEPA Finding	Mitigation Measure	Finding with Mitigation
<i>Construction and Operation</i>	1, 2, 3	LTS/NE	-	-
Impact TRA-2: Conflict or be inconsistent with CEQA Guidelines Section 15064.3, Subdivision (b)				
<i>Operation</i>	No Project	NI/NE	-	-
	1, 2, 3	NI/NE	-	-
Impact TRA-3: Substantial increase in hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)				
<i>Construction and Operation</i>	No Project	NI/NE	-	-
	1, 2, 3	LTS/NE	-	-
Impact TRA-4: Result in inadequate emergency access				
<i>Construction and Operation</i>	No Project	NI/NE	-	-
	1, 2, 3	LTS/NE	-	-
Impact TRA-5: Substantially affect school bus travel				
<i>Construction</i>	No Project	NI/NE	-	-
	1, 2, 3	LTS/NE	-	-
<i>Operation</i>	No Project	NI/NE	-	-
	1, 3	LTS/NE	-	-
	2	S/SA	No feasible mitigation measures identified	-
Impact NAV-1: Substantially impair recreational and commercial navigation during construction and operations				
<i>Construction</i>	No Project	NI/NE	-	-
	1, 3	NI/NE	-	-
	2	LTS/NE	-	-
<i>Operation</i>	No Project	NI/NE	-	-

Impact	Alternative	CEQA/ NEPA Finding	Mitigation Measure	Finding with Mitigation
	1, 2, 3	NI/NE	-	-
Noise				
Impact NOI-1: Generation of a substantial temporary increase in ambient noise levels in the vicinity of the Project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies				
<i>Construction</i>	No Project	NI/NE	-	-
	1, 2, 3	LTS/NE	-	-
Impact NOI-2: Generation of a substantial permanent increase in ambient noise levels in the vicinity of the Project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies				
<i>Operation</i>	No Project	NI/NE	-	-
	1, 2, 3	LTS/NE	-	-
Impact NOI-3: Generation of excessive groundborne vibration or groundborne noise levels				
<i>Construction and Operation</i>	No Project	NI/NE	-	-
	1, 2, 3	LTS/NE	-	-
Air Quality				
Impact AQ-1: Result in a cumulatively considerable net increase of any criteria pollutant for which the Project region is nonattainment under an applicable federal or state ambient air quality standard during construction, or conflict with or obstruct implementation of the applicable air quality plan				
<i>Construction</i>	No Project	NI	-	-
	1, 2, 3	S	Mitigation Measure AQ-1.1: Zero Emission and/or Near Zero Emission Vehicles and Off-Road Equipment Mitigation Measure AQ-1.2: Offset Construction-Generated Criteria Pollutants in CCAPCD, GCAPCD, and YSAQMD	SU
Impact AQ-2: Result in a cumulatively considerable net increase of any criteria pollutant for which the Project region is nonattainment under an applicable federal or state ambient air quality standard during operations, or conflict with or obstruct implementation of the applicable air quality plan				
<i>Operation</i>	No Project	NI	-	-

Impact	Alternative	CEQA/ NEPA Finding	Mitigation Measure	Finding with Mitigation
	1, 2, 3	S	Mitigation Measure AQ-2.1: Recreational Boat Emissions Minimization Plan Mitigation Measure AQ-2.2: Offset Operation-Generated Criteria Pollutants in CCAPCD and GCAPCD	SU
Impact AQ-3: Result in impacts on Federal Air Quality Conformity				
<i>Construction and Operation</i>	No Project	NE	-	-
	1, 2, 3	NE	-	-
Impact AQ-4a: Expose sensitive receptors to toxic air contaminants				
<i>Construction and Operation</i>	No Project	NI/NE	-	-
	1, 2, 3	LTS/NE	-	-
Impact AQ-4b: Expose sensitive receptors to localized criteria pollutant emissions				
<i>Construction</i>	No Project	NI/NE	-	-
	1, 2, 3	S/SA	No feasible mitigation measures identified	SU/SA
<i>Operation</i>	No Project	NI/NE	-	-
	1, 2, 3	LTS/NE	-	-
Impact AQ-4c: Expose sensitive receptors to asbestos, lead-based paint, or fungal spores that cause Valley Fever				
<i>Construction and Operation</i>	No Project	NI/NE	-	-
	1, 2, 3	LTS/NE	-	-
Impact AQ-5: Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people				
<i>Construction and Operation</i>	No Project	NI/NE	-	-
	1, 2, 3	LTS/NE	-	-

Impact	Alternative	CEQA/ NEPA Finding	Mitigation Measure	Finding with Mitigation
Greenhouse Gas Emissions				
Impact GHG-1: Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment or conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases				
<i>Construction and Operation</i>	No Project	NI/NE	-	-
	1, 2, 3	S/SA	Mitigation Measure GHG-1.1: Achieve Net-Zero Emissions Through a GHG Reduction Plan	LTSM/NE
Cultural Resources				
Impact CUL-1: Cause a substantial adverse change in the significance of a historic built resource				
<i>Construction</i>	No Project	NI/NE	-	-
	1, 2, 3	S/SA	Mitigation Measure CUL-1.1: Identify NRHP/CRHR-Eligible Built Resources Mitigation Measure CUL-1.2: Avoid NRHP/CRHR-Eligible Built Resources Mitigation Measure CUL-1.3: Protect NRHP/CRHR-Eligible Built Resources Mitigation Measure CUL-1.4: NRHP/CRHR-Eligible Built Resources Treatment	SU/SA
<i>Operation</i>	No Project	NI/NE	-	-
	1, 2, 3	NI/NE	-	-
Impact CUL-2: Cause a substantial adverse change in the significance of an archaeological resource				
<i>Construction and Operation</i>	No Project	NI/NE	-	-
	1, 2, 3	S/SA	Mitigation Measure CUL-2.1: Identify NRHP/CRHR-Eligible Archaeological Resources Mitigation Measure CUL-2.2: Avoid NRHP/CRHR-Eligible Archaeological Resources Mitigation Measure CUL-2.3: Protect NRHP/CRHR-Eligible Archaeological Resources Mitigation Measure CUL-2.4: NRHP/CRHR-Eligible Archaeological Resources Treatment	SU/SA

Impact	Alternative	CEQA/ NEPA Finding	Mitigation Measure	Finding with Mitigation
Impact CUL-3: Disturb any human remains, including those interred outside of formal cemeteries				
<i>Construction and Operation</i>	No Project	NI/NE	-	-
	1, 2, 3	S/SA	Mitigation Measure CUL-3.1: Cemetery Relocation Plan Mitigation Measure CUL-3.2: Avoid, Protect, and Treat Human Remains	SU/SA
Tribal Cultural Resources				
Impact TCR-1: Substantial adverse change in the significance of a tribal cultural resource that is listed or eligible for listing in the California Register of Historical Resources or other local register or that the Authority has determined to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1.				
<i>Construction and Operation</i>	No Project	NI	-	-
	1, 2, 3	S	Mitigation Measure TCR-1.1: Implement Mitigation Measures Recommended in Public Resources Code Section 21084.3 to Avoid Damaging Effects on Tribal Cultural Resources Mitigation Measure TCR-1.2: Tribal Monitoring Mitigation Measure TCR-1.3: Implement Agreed-Upon Protocol for the Treatment of Human Remains and Cultural Items Mitigation Measure CUL-2.1: Identify NRHP/CRHR-Eligible Archaeological Resources Mitigation Measure CUL-2.2: Avoid NRHP/CRHR-Eligible Archaeological Resources Mitigation Measure CUL-2.3: Protect NRHP/CRHR-Eligible Archaeological Resources Mitigation Measure CUL-2.4: NRHP/CRHR-Eligible Archaeological Resources Treatment Mitigation Measure CUL-3.1: Cemetery Relocation Plan Mitigation Measure CUL-3.2: Avoid, Protect, and Treat Human Remains	SU
Visual Resources				
Impact VIS-1: Substantially degrade the existing visual character or quality of public views of the site and its surroundings				
<i>Construction</i>	No Project	NI/NE	-	-

Impact	Alternative	CEQA/ NEPA Finding	Mitigation Measure	Finding with Mitigation
	1, 2, 3	S/SA	No feasible mitigation measures identified	SU/SA
<i>Operation</i>	No Project	NI/NE	-	-
	1, 2, 3	LTS/NE	-	-
Impact VIS-2: Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area				
<i>Construction and Operation</i>	No Project	NI/NE	-	-
	1, 2, 3	LTS/NE	-	-
Population and Housing				
Impact POP-1: Induce substantial unplanned population growth in an area, either directly or indirectly				
<i>Construction and Operation</i>	No Project	NI/NE	-	-
	1, 2, 3	LTS/NE	-	-
Impact POP-2: Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere				
<i>Construction and Operation</i>	No Project	NI/NE	-	-
	1, 2, 3	LTS/NE	-	-
Public Services and Utilities				
Impact UTIL-1: Result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times, or other performance objectives for fire protection, police protection, schools, or other public facilities				
<i>Construction and Operation</i>	No Project	NI/NE	-	-
	1, 2, 3	LTS/NE	-	-
Impact UTIL-2: Require or result in the relocation or construction of new or expanded water, wastewater treatment or stormwater drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects				
	No Project	NI/NE	-	-

Impact	Alternative	CEQA/ NEPA Finding	Mitigation Measure	Finding with Mitigation
<i>Construction and Operation</i>	1, 2, 3	LTS/NE	-	-
Impact UTIL-3: Have insufficient water supplies available to serve the Project and reasonably foreseeable future development during normal, dry, and multiple dry years				
<i>Construction and Operation</i>	No Project	NI/NE	-	-
	1, 2, 3	LTS/NE	-	-
Impact UTIL-4: Result in a determination by the wastewater treatment provider which serves or may serve the Project that it has inadequate capacity to serve the Project's projected demand in addition to the provider's existing commitments				
<i>Construction and Operation</i>	No Project	NI/NE	-	-
	1, 2, 3	LTS/NE	-	-
Impact UTIL-5: Generate solid waste in excess of state or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals				
<i>Construction and Operation</i>	No Project	NI/NE	-	-
	1, 2, 3	LTS/NE	-	-
Public Health and Environmental Hazards				
Impact HAZ-1: Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials				
<i>Construction and Operation</i>	No Project	NI/NE	-	-
	1, 2, 3	LTS/NE	-	-
Impact HAZ-2: Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment				
	No Project	NI/NE	-	-

Impact	Alternative	CEQA/ NEPA Finding	Mitigation Measure	Finding with Mitigation
Construction and Operation	1, 2, 3	LTS/NE	-	-
Impact HAZ-3: Be located on a site which is included on a list of hazardous materials sites compiled pursuant to California Government Code Section 65962.5 and, as a result, would create a significant hazard to the public or the environment				
Construction and Operation	No Project	NI/NE	-	-
	1, 2, 3	LTS/NE	-	-
Impact HAZ-4: Impair implementation of or physically interfere with adopted emergency response plan or emergency evacuation plan				
Construction and Operation	No Project	NI/NE	-	-
	1, 2, 3	LTS/NE	-	-
Impact HAZ-5: Be located in or near State Responsibility Areas or lands classified as very high fire hazard severity zones and (<i>the following impact analysis is subdivided into lettered components to address the varied fire hazards associated with this threshold</i>):				
Impact HAZ-5a: substantially impair an adopted emergency response plan or emergency evacuation plan				
Construction and Operation	No Project	NI/NE	-	-
	1, 2, 3	LTS/NE	-	-
Impact HAZ-5b: Due to slope, prevailing winds, and other factors, exacerbate wildfire risks and expose Project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire				
Construction and Operation	No Project	NI/NE	-	-
	1, 2, 3	LTS/NE	-	-
Impact HAZ-5c: Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment				
Construction and Operation	No Project	NI/NE	-	-
	1, 2, 3	LTS/NE	-	-

Impact	Alternative	CEQA/ NEPA Finding	Mitigation Measure	Finding with Mitigation
Impact HAZ-5d: Expose people or structures to a significant risk, loss, injury or death involving wildland fires or significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes				
<i>Construction and Operation</i>	No Project	NI/NE	-	-
	1, 2, 3	LTS/NE	-	-
Impact HAZ-6: Result in an impact on public health related to methylmercury bioaccumulation in fish				
<i>Construction and Operation</i>	No Project	NI/NE	-	-
	1, 2, 3	LTS/NE	-	-
Impact HAZ-7: Result in an impact on public health due to an increase in harmful algal blooms				
<i>Construction and Operation</i>	No Project	NI/NE	-	-
	1, 2, 3	LTS/NE	-	-
Impact HAZ-8: Result in substantial exposure of humans to mosquito-borne illnesses				
<i>Construction and Operation</i>	No Project	NI/NE	-	-
	1, 2, 3	LTS/NE	-	-
Climate Change				
Effect CC-1: Project-related climate change effects				
<i>Operation</i>	No Project	NE	-	-
	1A, 2	NE	-	-
	1B, 3	NE	-	-
Indian Trust Assets				
Effect ITA-1: Affect current activities within an ITA				
<i>Construction and Operation</i>	No Project	NE	-	-
	1, 2, 3	NE	-	-

Impact	Alternative	CEQA/ NEPA Finding	Mitigation Measure	Finding with Mitigation
Environmental Justice and Socioeconomics				
Effect EJ-1: Disproportionate and adverse effects on minority populations				
<i>Construction and Operation</i>	No Project	NE	-	-
	1, 2, 3	SA	Mitigation Measure AQ-1.1: Zero Emission and/or Near Zero Emission Vehicles and Off-Road Equipment Mitigation Measure AQ-1.2: Offset Construction-Generated Criteria Pollutants in CCAPCD, GCAPCD, and YSAQMD Mitigation Measure AQ-2.1: Recreational Boat Emissions Minimization Plan Mitigation Measure AQ-2.2: Offset Operation-Generated Criteria Pollutants in CCAPCD and GCAPCD	SA
Effect EJ-2: Disproportionate and adverse effects on low-income populations				
<i>Construction and Operation</i>	No Project	NE	-	-
	1, 2, 3	SA	Mitigation Measure AQ-1.1: Zero Emission and/or Near Zero Emission Vehicles and Off-Road Equipment Mitigation Measure AQ-1.2: Offset Construction-Generated Criteria Pollutants in CCAPCD, GCAPCD, and YSAQMD Mitigation Measure AQ-2.1: Recreational Boat Emissions Minimization Plan Mitigation Measure AQ-2.2: Offset Operation-Generated Criteria Pollutants in CCAPCD and GCAPCD	SA
Effect SOC-1: Substantial adverse effects on regional economics				
<i>Construction and Operation</i>	No Project	NE	-	-
	1, 2, 3	NE, B	-	-
Effect SOC-2: Substantial adverse effects on local economics (local government fiscal conditions and recreational economics)				
<i>Construction and Operation</i>	No Project	NE	-	-
	1, 2, 3	NE, B	-	-

Impact	Alternative	CEQA/ NEPA Finding	Mitigation Measure	Finding with Mitigation
Effect SOC-3: Substantial adverse effects on agricultural economics				
Construction	No Project	NE	-	-
	1, 2, 3	NE	-	-
Operation	No Project	NE	-	-
	1, 2, 3	NE, B	-	-
Effect SOC-4: Substantial adverse effects on municipal and industrial economics				
Construction	No Project	NE	-	-
	1, 2, 3	NE	-	-
Operation	No Project	NE	-	-
	1, 2, 3	B	-	-

Notes:

There are no NEPA conclusions for Impact AG-1, Impact AQ-1, Impact AQ-2, or Impact TCR-1.

There are no CEQA conclusions for Impact AG-3, Impact AQ-3, Effect CC-1, Effect ITA-1, Effect EJ-1, Effect EJ-2, Effect SOC-1, Effect SOC-2, Effect SOC-3, or Effect SOC-4.

Authority = Sites Project Authority

CCAPCD = Colusa County Air Pollution Control District

CEQA = California Environmental Quality Act

CRHR = California Register of Historical Resources

FMMP = Farmland Mapping and Monitoring Program

GCAPCD = Glenn County Air Pollution Control District

GHG = greenhouse gas

ITA = Indian trust asset

NEPA = National Environmental Policy Act

NRHP = National Register of Historic Places

Project = Sites Reservoir Project

YSAQMD = Yolo-Solano Air Quality Management District

NI = CEQA determination of no impact

LTS = CEQA determination of less-than-significant impact

LTSM = CEQA determination of less than significant with mitigation

S = CEQA determination of significant impact

SU = CEQA determination of significant and unavoidable

B = NEPA conclusion of beneficial effects
NE = NEPA conclusion of no effect or no adverse effect
AE = NEPA conclusion of adverse effect
SA = NEPA conclusion of substantial adverse effect