WSIP Data and Information Summary Table: Water Quality Priority 6 (Groundwater)

Priority 6: Protect, clean up, or restore groundwater resources in high- and medium-priority basins designated by the Department.

Instructions: This table must be used for projects claiming water quality priority 6. This priority can only be claimed by projects that are expected to achieve improvements in high- or medium-priority basins designated by the Department. There are three sections to this table. Provide information below in those sections that apply to the project. Descriptions and clarifying information should provide the rationale for the claimed improvements (e.g., how the values were determined, etc.). Attach up to three (3) additional pages if more space is needed.

For the purpose of this table, the following definitions apply:

- "Protect" means to maintain the current groundwater quality condition or prevent further degradation.
- "Clean up" means to improve upon the current groundwater quality condition through remediation (contaminant removal) or other methods.
- "Restore" means a return to, or closely achieve, a prior, improved groundwater level (elevation) condition (when compared to the current condition) that improves water quality.
- "Basin" means a groundwater basin or subbasin identified and defined in "California's Groundwater: Bulletin 118" (updated in 2003) or modified pursuant to Chapter 3 (commencing at section 10722) of the Water Code.

Describe how the project would protect, clean up, or restore groundwater resources.

The Sites Reservoir project would improve groundwater sustainability by supplying surface water to facilitate increased conjunctive use practices and for replenishment to enhance aquifer storage recovery.

Refer to Sites_A2 Documentation WQ Priority 6 "WSIP Data and Information Summary for Water Quality Priorities 6 – Groundwater" uploaded under the PHYSICAL PUBLIC BENEFITS TAB for further information.

Additional locations in the application where data and relevant supporting information, including attachments, are documented (document name, page number, table number, etc.).	Application Reference:

List the basin(s) and subbasin(s) to be improved by the project. Include the name and basin/subbasin number, and indicate the basin/subbasin priority level designated by the Department (high or medium). Cite the source.

NA

Select the benefit(s) (protect, clean up, or restore) that the project would achieve. For the selected benefit(s), respond to the following requests for data and information by filling in the sections below.

The project would □ Protect □ Clean up **X** Restore (groundwater resources)

Section 1: Protect

Provide the applicable water quality standards* for parameters/constituents that would be protected by the project:

Parameter/Constituent	Water Quality Standard Value and Unit	Source Citation
NA		

*For the purpose of this table, water quality standards means numeric or narrative water quality objectives in water quality control plans adopted by the California State and Regional Water Boards.

REV 2: Magnitude (Protect)

Provide the parameter/constituent values (including units) in the table below:

Groundwater Basin/ Subbasin Name & Number	Parameter/ Constituent	Current Condition**	Without-Project Condition in 2030	With-Project Condition in 2030
NA				

**For the purpose of this table, "current condition" means conditions measured or estimated at the year of the CEQA Notice of Preparation (NOP) for the project or subsequently revised information used to describe existing conditions.

Provide additional clarifying information below, as needed.

NA

Additional locations in the application where data and relevant supporting information, including attachments, are documented (document name, page number, table number, etc.).	Application Reference:

WSIP Data and Information Summary Table: Water Quality Priority 6 (Groundwater)	
REV 3: Spatial Scale (Protect)	
Provide the geographical extent (e.g., dimensions in acres, depth in feet, acre-feet) of the improvement in 2030 claimed by the project for each groundwater basin/subbasin that would be protected. Attach a map of the improvement area.	
Groundwater Basin/Subbasin Name & Number	Unit Value (e.g., acres, acre-feet, feet)
NA	
Provide additional clarifying information below, as needed.	
NA	
Additional locations in the application where data and relevant supporting information, including attachments, are documented (document name, page number, table number, map number, etc.).	Application Reference:
REV 4: Temporal Scale (Protect)	
Provide the time period(s) during the year (days or months) when the improvement would occur for each groundwater basin/subbasin protected by the project.	
Groundwater Basin/Subbasin Name & Number	Expected Time Period Provided by Project in 2030
NA	
Provide additional clarifying information below, as needed.	
NA	
Additional locations in the application where data and relevant supporting information, including attachments, are documented (document name, page number, table number, etc.).	Application Reference:
REV 5: Adaptive Management (Protect)	
Describe the adaptive management and monitoring strategies for the claimed priority (e.g., potential management or corrective actions that could be taken if monitoring results fall outside of the range of expected values or if claimed improvements are not being achieved by the project). Include the potential measurable objectives, performance measures, thresholds, and triggers to monitor project performance and achievement of improvements.	
NA	
Additional locations in the application where data and relevant supporting information, including attachments, are documented (document name, page number, table number, etc.).	Application Reference:
REV 6: Immediacy of Improvement Action (Protect)	
Describe when the project would begin implementing actions toward achieving the improvement(s) associated with the claimed priority. Include the number of months expected to elapse between grant encumbrance and project implementation (i.e., completed projected construction and start-up of project element(s) that are expected to achieve the claimed priority). Include specifics by groundwater basin or subbasin, as appropriate.	
NA	
Additional locations in the application where data and relevant supporting information, including attachments, are documented (document name, page number, table number, etc.).	Application Reference:
REV 7: Immediacy of the Realization of Benefits (Protect)	
Describe when the improvement(s) associated with the claimed priority would be realized by the project. Include the number of months expected to elapse from grant encumbrance to full realization of the improvement (i.e., improvement achieves the claimed magnitude at 2030). Include specifics by groundwater basin or subbasin, as appropriate.	
NA	
Additional locations in the application where data and relevant supporting information, including attachments, are documented (document name, page number, table number, etc.).	Application Reference:
REV 8: Duration (Protect)	

WSIP Data and Information Summary Table: Water Quality Priority 6 (Groundwater)	
Describe the duration of the improvement(s) associated with the claimed priority. Include the number of years that the project would deliver the full realization of the improvement (i.e., the claimed magnitude at 2030). Include specifics by groundwater basin or subbasin, as appropriate.	
NA	
Additional locations in the application where data and relevant supporting information, including attachments, are documented (document name, page number, table number, etc.).	Application Reference:
REV 9: Consistency (Protect)	
Describe how the improvement(s) associated with the claimed priority would be consistent with water quality control plans, water quality control policies, and/or the Sustainable Groundwater Management Act. Include specifics by groundwater basin or subbasin, as appropriate.	
NA	
Additional locations in the application where data and relevant supporting information, including attachments, are documented (document name, page number, table number, etc.).	Application Reference:
REV 10: Connectivity (Protect)	
Describe, if applicable, how the project would restore or create a hydrologic connection, as a result of water quality improvement(s), to areas that support beneficial uses of water or are being managed for water quality. If multiple connections are restored or created, include specifics by location.	
NA	
Additional locations in the application where data and relevant supporting information, including attachments, are documented (document name, page number, table number, etc.).	Application Reference:
REV 11: Resilience to Climate Change at 2030 (Protect)	
Describe how the climate risk factors, identified in the General Application Questions for water quality priorities, were considered as part of the project siting and design for the claimed priority. Explain why any identified risk factors are not applicable.	
NA	
Additional locations in the application where data and relevant supporting information, including attachments, are documented (document name, page number, table number, etc.).	Application Reference:
REV 12: Undesirable Groundwater Results Corrected (Protect)	
Describe the current groundwater conditions within the claimed project improvement area(s), including, but not limited to: the estimated number of wells present, total pumping values for the basin, current land use, potential and existing beneficial uses, existing water quality values, soil information, geology of the area, and any applicable undesirable results listed at Water Code section 10721(x)(1-6).	
NA	
Describe the expected without-project groundwater conditions in 2030 within the claimed project improvement area, including the factors addressed for current conditions (above).	
NA	
Describe the expected with-project groundwater conditions (after project implementation) in 2030 within the claimed project improvement area, including: the factors addressed for current conditions (above); how the project would coordinate with the appropriate GSA; how the project complies with SGMA if a GSA has not yet been assigned; and how the project would improve conditions in a groundwater basin/subbasin where undesirable results (as defined in Water Code 10721(x)(1-6)) caused by extraction have occurred.	
NA	
Additional locations in the application where data and relevant supporting information, including attachments, are documented (document name, page number, table number, etc.).	Application Reference:
Section 2: Clean Up	

WSIP Data and Information Summary Table: Water Quality Priority 6 (Groundwater)		
Provide the applicable water quality standards* for parameters/constituents that would be cleaned up by the project:		
Parameter/Constituent	Water Quality Standard Value and Unit	Source Citation
NA		
*For the purpose of this table, water quality standards means numeric or narrative water quality objectives found in water quality control plans adopted by the California State and Regional Water Boards.		
REV 2: Magnitude (Clean Up)		
Provide the parameter/constituent values (including units) in the table below:		
Groundwater Basin/ Subbasin Name & Number	Parameter/ Constituent	Current Condition**
NA		
**For the purpose of this table, "current condition" means conditions measured or estimated at the year of the CEQA Notice of Preparation (NOP) for the project or subsequently revised information used to describe existing conditions.		
Provide additional clarifying information below, as needed.		
Additional locations in the application where data and relevant supporting information, including attachments, are documented (document name, page number, table number, etc.).	Application Reference:	
REV 3: Spatial Scale (Clean Up)		
Provide the geographical extent (e.g., dimensions in acres, depth in feet, acre-feet) of the improvement in 2030 claimed by the project for each groundwater basin/subbasin that would be cleaned up. Attach a map of the improvement area.		
Groundwater Basin/Subbasin Name & Number	Unit Value (e.g., acres, acre-feet, feet)	
NA		
Provide additional clarifying information below, as needed.		
NA		
Additional locations in the application where data and relevant supporting information, including attachments, are documented (document name, page number, table number, map number, etc.).	Application Reference:	
REV 4: Temporal Scale (Clean Up)		
Provide the time period(s) during the year (days or months) when the improvement would occur for each groundwater basin/subbasin cleaned up by the project.		
Groundwater Basin/Subbasin Name & Number	Expected Time Period Provided by Project in 2030	
NA		
Provide additional clarifying information below, as needed.		
NA		
Additional locations in the application where data and relevant supporting information, including attachments, are documented (document name, page number, table number, etc.).	Application Reference:	
REV 5: Adaptive Management (Clean Up)		
Describe the adaptive management and monitoring strategies for the claimed priority (e.g., potential management or corrective actions that could be taken if monitoring results fall outside of the range of expected values or if claimed improvements are not being achieved by the project). Include the potential measurable objectives, performance measures, thresholds, and triggers to monitor project performance and achievement of improvements.		
NA		
Additional locations in the application where data and relevant supporting information, including attachments, are documented	Application Reference:	

WSIP Data and Information Summary Table: Water Quality Priority 6 (Groundwater)	
(document name, page number, table number, etc.).	
REV 6: Immediacy of Improvement Action (Clean Up)	
Describe when the project would begin implementing actions toward achieving the improvement(s) associated with the claimed priority. Include the number of months expected to elapse between grant encumbrance and project implementation (i.e., completed projected construction and start-up of project element(s) that are expected to achieve the claimed priority). Include specifics by groundwater basin or subbasin, as appropriate.	
NA	
Additional locations in the application where data and relevant supporting information, including attachments, are documented (document name, page number, table number, etc.).	Application Reference:
REV 7: Immediacy of the Realization of Benefits (Clean Up)	
Describe when the improvement(s) associated with the claimed priority would be realized by the project. Include the number of months expected to elapse from grant encumbrance to full realization of the improvement (i.e., improvement achieves the claimed magnitude at 2030). Include specifics by groundwater basin or subbasin, as appropriate.	
NA	
Additional locations in the application where data and relevant supporting information, including attachments, are documented (document name, page number, table number, etc.).	Application Reference:
REV 8: Duration (Clean Up)	
Describe the duration of the improvement(s) associated with the claimed priority. Include the number of years that the project would deliver the full realization of the improvement (i.e., the claimed magnitude at 2030). Include specifics by groundwater basin or subbasin, as appropriate.	
NA	
Additional locations in the application where data and relevant supporting information, including attachments, are documented (document name, page number, table number, etc.).	Application Reference:
REV 9: Consistency (Clean Up)	
Describe how the improvement(s) associated with the claimed priority would be consistent with water quality control plans, water quality control policies, and/or the Sustainable Groundwater Management Act. Include specifics by groundwater basin or subbasin, as appropriate.	
NA	
Additional locations in the application where data and relevant supporting information, including attachments, are documented (document name, page number, table number, etc.).	Application Reference:
REV 10: Connectivity (Clean Up)	
Describe, if applicable, how the project would restore or create a hydrologic connection, as a result of water quality improvement(s), to areas that support beneficial uses of water or are being managed for water quality. If multiple connections are restored or created, include specifics by location.	
NA	
Additional locations in the application where data and relevant supporting information, including attachments, are documented (document name, page number, table number, etc.).	Application Reference:
REV 11: Resilience to Climate Change at 2030 (Clean Up)	
Describe how the climate risk factors, identified in the General Application Questions for water quality priorities, were considered as part of the project siting and design for the claimed priority. Explain why any identified risk factors are not applicable.	
NA	
Additional locations in the application where data and relevant supporting information, including attachments, are documented (document name, page number, table number, etc.).	Application Reference:

WSIP Data and Information Summary Table: Water Quality Priority 6 (Groundwater)			
REV 12: Undesirable Groundwater Results Corrected (Clean Up)			
Describe the current groundwater conditions within the claimed project improvement area(s), including, but not limited to: the estimated number of wells present, total pumping values for the basin, current land use, potential and existing beneficial uses, existing water quality values, soil information, geology of the area, and any applicable undesirable results listed at Water Code section 10721(x)(1-6).			
NA			
Describe the expected without-project groundwater conditions in 2030 within the claimed project improvement area, including the factors addressed for current conditions (above).			
NA			
Describe the expected with-project groundwater conditions (after project implementation) in 2030 within the claimed project improvement area, including: the factors addressed for current conditions (above); how the project would coordinate with the appropriate GSA; how the project complies with SGMA if a GSA has not yet been assigned; and how the project would improve conditions in a groundwater basin/subbasin where undesirable results (as defined in Water Code 10721(x)(1-6)) caused by extraction have occurred.			
NA			
Additional locations in the application where data and relevant supporting information, including attachments, are documented (document name, page number, table number, etc.).	Application Reference:		
Section 3: Restore			
REV 2: Magnitude (Restore)			
Provide the groundwater elevation and volume (include units) for each groundwater basin/subbasin that would be restored by the project.			
Groundwater Basin/Subbasin Name & Number	Current Condition**	Without-Project Condition in 2030	With-Project Condition in 2030
Sacramento Valley Hydrologic Region	Refer to Sites_A2 Documentation WQ Priority 6 "WSIP Data and Information Summary for Water Quality Priorities 6 –Groundwater" uploaded under the PHYSICAL PUBLIC BENEFITS TAB for further information.		
San Joaquin Valley Hydrologic Region			
San Francisco Bay Hydrologic Region			
Central Coast Hydrologic Region			
Tulare Lake Hydrologic Region			
South Lahontan Hydrologic Region			
South Coast Hydrologic Region			
**For the purpose of this table, "current condition" means conditions measured or estimated at the year of the CEQA Notice of Preparation (NOP) for the project or subsequently revised information used to describe existing conditions.			
Provide additional clarifying information below, as needed.			
Describe the expected quality of water used to restore groundwater levels.			
The quality of the water used for replenishment of groundwater would come from surface water deliveries, and direct or in-lieu recharge. The quality of the source water would depend on the location of the Sites Participant and the conveyance system used to deliver the water. A detailed description of the water quality associated with the major waterways and conveyance systems is provided in Chapter 7, Surface Water Quality" of the EIR/EIS. In-lieu recharge activities would not alter the natural composition of the underlying aquifer water quality. In the Sacramento Valley Hydrologic Basin, conjunctive use and direct recharge water that would be used to restore groundwater levels would be similar to Sacramento River water quality. Sacramento River water is generally considered to be of good quality with low concentrations of salts when compared to underlying groundwater. Utilization of supplemental surface water supplies from the Sacramento River in areas of agricultural production in-lieu of groundwater would support salt management practices and assist to reduce groundwater quality degradation.			
Additional locations in the application where data and relevant supporting information, including attachments, are documented (document name, page number, table number, etc.).	Application Reference: Chapter 7, Surface Water Quality" of the EIR/EIS [http://sitesproject.org/information/DraftEIR-EIS].		
REV 3: Spatial Scale (Restore)			
Provide the geographical extent (e.g., dimensions in acres, depth in feet, acre-feet) of the improvement in 2030 claimed by the			

WSIP Data and Information Summary Table: Water Quality Priority 6 (Groundwater)	
project for each groundwater basin/subbasin that would be restored. Attach a map of the improvement area.	
Groundwater Basin/Subbasin Name & Number	Unit Value (e.g., acres, acre-feet, feet)
Sacramento Valley Hydrologic Basin (Long-term Average)	111,000 acre-ft
Sacramento Valley Hydrologic Basin (Dry and Critical Water Years)	155,000 acre-ft
San Joaquin Valley Hydrologic Basin (Long-term Average)	28,000 acre-ft
San Joaquin Valley Hydrologic Basin (Dry and Critical Water Years)	10,000 acre-ft
San Francisco Bay Hydrologic Basin (Long-term Average)	38,000 acre-ft
San Francisco Bay Hydrologic Basin (Dry and Critical Water Years)	72,000 acre-ft
Tulare Lake Hydrologic Basin (Long-term Average)	33,000 acre-ft
Tulare Lake Hydrologic Basin (Dry and Critical Water Years)	57,000 acre-ft
South Lahontan Hydrologic Basin (Long-term Average)	3,000 acre-ft
South Lahontan Hydrologic Basin (Dry and Critical Water Years)	3,000 acre-ft
South Coast Hydrologic Basin (Long-term Average)	67,000 acre-ft
South Coast Hydrologic Basin (Dry and Critical Water Years)	126,000 acre-ft
Provide additional clarifying information below, as needed.	
Refer to Sites_A2 Documentation WQ Priority 6 "WSIP Data and Information Summary for Water Quality Priorities 6 – Groundwater" uploaded under the PHYSICAL PUBLIC BENEFITS TAB for further information.	
Additional locations in the application where data and relevant supporting information, including attachments, are documented (document name, page number, table number, etc.).	Application Reference: Sites_A2 Documentation WQ Priority 6 "WSIP Data and Information Summary for Water Quality Priorities 6 – Groundwater" uploaded under the PHYSICAL PUBLIC BENEFITS TAB for further information.
REV 4: Temporal Scale (Restore)	
Provide the time period(s) during the year (days or months) when the improvement would occur for each groundwater basin/subbasin restored by the project.	
Groundwater Basin/Subbasin Name & Number	Expected Time Period Provided by Project in 2030
Sacramento Valley Hydrologic Region	Annually
San Joaquin Valley Hydrologic Region	Annually
San Francisco Bay Hydrologic Region	Annually
Tulare Lake Hydrologic Region	Annually
South Lahontan Hydrologic Region	Annually
South Coast Hydrologic Region	Annually
Provide additional clarifying information below, as needed.	
Refer to Sites_A2 Documentation WQ Priority 6 "WSIP Data and Information Summary for Water Quality Priorities 6 – Groundwater" uploaded under the PHYSICAL PUBLIC BENEFITS TAB for further information.	
Additional locations in the application where data and relevant supporting information, including attachments, are documented (document name, page number, table number, etc.).	Application Reference: Refer to Sites_A2 Documentation WQ Priority 6 "WSIP Data and Information Summary for Water Quality Priorities 6 – Groundwater" uploaded under the PHYSICAL PUBLIC BENEFITS TAB for further information.
REV 5: Adaptive Management (Restore)	
Describe the adaptive management and monitoring strategies for the claimed priority (e.g., potential management or corrective actions that could be taken if monitoring results fall outside of the range of expected values or if claimed improvements are not being achieved by the project). Include the potential measurable objectives, performance measures, thresholds, and triggers to monitor project performance and achievement of improvements.	

WSIP Data and Information Summary Table: Water Quality Priority 6 (Groundwater)	
Adaptive management and monitoring strategies for improved groundwater level and storage conditions would be incorporated into existing Sites Participant groundwater monitoring programs or those which will be developed as part of SGMA requirements. Groundwater Sustainably Agencies (GSAs) with jurisdiction over high-priority and medium-priority basins must adopt groundwater management plans (GSP) by 2020 or 2022, depending upon whether the basin is in critical overdraft. GSAs will then have until 2040 or 2042 to achieve groundwater sustainability. Minimum thresholds, measureable objectives and interim milestones will need to be established in the GSP, along with project and management actions to address chronic lowering of groundwater levels and reduced groundwater storage.	
Additional locations in the application where data and relevant supporting information, including attachments, are documented (document name, page number, table number, etc.).	Application Reference: Refer to Sites_A2 Documentation WQ Priority 6 "WSIP Data and Information Summary for Water Quality Priorities 6 – Groundwater" uploaded under the PHYSICAL PUBLIC BENEFITS TAB. Sites_A2 Operations under the BENEFIT CALCULATION, MONETIZATION, AND RESILIENCY TAB Sites_A2 Operations under the BENEFIT CALCULATION, MONETIZATION, AND RESILIENCY TAB. Emphasis on the Adaptive Management Framework section.
REV 6: Immediacy of Improvement Action (Restore)	
Describe when the project would begin implementing actions toward achieving the improvement(s) associated with the claimed priority. Include the number of months expected to elapse between grant encumbrance and project implementation (i.e., completed projected construction and start-up of project element(s) that are expected to achieve the claimed priority). Include specifics by groundwater basin or subbasin, as appropriate.	
Initial benefits are expected in year 2028 (6 years after grant encumbrance for construction) at a lower level than when the project is complete. Full benefits are expected in 2030 (8 years after grant encumbrance).	
Additional locations in the application where data and relevant supporting information, including attachments, are documented (document name, page number, table number, etc.).	Application Reference:
REV 7: Immediacy of the Realization of Benefits (Restore)	
Describe when the improvement(s) associated with the claimed priority would be realized by the project. Include the number of months expected to elapse from grant encumbrance to full realization of the improvement (i.e., improvement achieves the claimed magnitude at 2030). Include specifics by groundwater basin or subbasin, as appropriate.	
Initial benefits are expected in year 2028 (6 years after grant encumbrance for construction) at a lower level than when the project is complete. Full benefits are expected in 2030 (8 years after grant encumbrance).	
Additional locations in the application where data and relevant supporting information, including attachments, are documented (document name, page number, table number, etc.).	Application Reference:
REV 8: Duration (Restore)	
Describe the duration of the improvement(s) associated with the claimed priority. Include the number of years that the project would deliver the full realization of the improvement (i.e., the claimed magnitude at 2030). Include specifics by groundwater basin or subbasin, as appropriate.	
The anticipated duration of the improvements is 100 years. Full benefits are expected in 2030. To determine the duration of potential benefits, additional regional deliveries modeling with and without the project for 2070 was performed. As shown in Table 1 of Sites_A2 WQ Priority 6, "WSIP Data and Information Summary for Water Quality Priorities 6 –Groundwater" uploaded under the PHYSICAL PUBLIC BENEFITS TAB, regional deliveries in dry and critical years increase in 2070 due to changing climate conditions; therefore, overtime potential groundwater benefits could increase due to increases in water supply availability. Refer to Sites_A2 Documentation WQ Priority 6 "WSIP Data and Information Summary for Water Quality Priorities 6 – Groundwater" uploaded under the PHYSICAL PUBLIC BENEFITS TAB.	
Additional locations in the application where data and relevant supporting information, including attachments, are documented (document name, page number, table number, etc.).	Application Reference: Sites_A2 Documentation WQ Priority 6 "WSIP Data and Information Summary for Water Quality Priorities 6 – Groundwater" uploaded under the PHYSICAL PUBLIC BENEFITS TAB.

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REV 9: Consistency (Restore)	
Describe how the improvement(s) associated with the claimed priority would be consistent with water quality control plans, water quality control policies, and/or the Sustainable Groundwater Management Act. Include specifics by groundwater basin or subbasin, as appropriate.	
The Site project could potentially assist Participants achieve compliance under SGMA, requirements for adjudicated basins and/or applicable groundwater management ordinances. Consistency determinations and compliance would be the responsibility of individual Site Participants.	
Additional locations in the application where data and relevant supporting information, including attachments, are documented (document name, page number, table number, etc.).	Application Reference:
REV 10: Connectivity (Restore)	
Describe, if applicable, how the project would restore or create a hydrologic connection, as a result of water quality improvement(s), to areas that support beneficial uses of water or are being managed for water quality. If multiple connections are restored or created, include specifics by location.	
The Sites Reservoir project would allow for greater operational flexibility to support maintaining hydrologic connection between surface and groundwater. Conjunctive use practices by Sites participants could reduce surface water diversions and improve surface water flows by using stored groundwater during dry and critical periods. In addition, supplemental water supplies from the Sites Reservoir project would assist with improving aquifer storage and groundwater levels. Refer to Sites_A2 Documentation WQ Priority 6 "WSIP Data and Information Summary for Water Quality Priorities 6 – Groundwater" uploaded under the PHYSICAL PUBLIC BENEFITS TAB.	
Additional locations in the application where data and relevant supporting information, including attachments, are documented (document name, page number, table number, etc.).	Application Reference: Sites_A2 Documentation WQ Priority 6 "WSIP Data and Information Summary for Water Quality Priorities 6 – Groundwater" uploaded under the PHYSICAL PUBLIC BENEFITS TAB.
REV 11: Resilience to Climate Change at 2030 (Restore)	
Describe how the climate risk factors, identified in the General Application Questions for water quality priorities, were considered as part of the project siting and design for the claimed priority. Explain why any identified risk factors are not applicable.	
Various modeling scenarios were run to allow evaluation of how the benefits of the project can be sustained under potential future climate risk factors, including water quality changes, changing participation and runoff and extreme hydrologic variability. Sea-level rise, ocean acidification and wildfire risk factors are not applicable to the Sites Reservoir project. Operations modeling results demonstrate that Sites Reservoir will provide operational flexibility to sustain both public and private benefits under a range of climate change scenarios, including severe extended droughts. Refer to Sites_A2 Documentation WQ Priority 6 "WSIP Data and Information Summary for Water Quality Priorities 6 – Groundwater" uploaded under the PHYSICAL PUBLIC BENEFITS TAB and Attachment A.12, "Sites Reservoir Project Sources of Sites_A12 Uncertainty under the BENEFIT CALCULATION, MONETIZATION, AND RESILIENCY TAB.	
Additional locations in the application where data and relevant supporting information, including attachments, are documented (document name, page number, table number, etc.).	Application Reference: Sites_A2 Documentation WQ Priority 6 "WSIP Data and Information Summary for Water Quality Priorities 6 – Groundwater" uploaded under the PHYSICAL PUBLIC BENEFITS TAB Sites_A12 Uncertainty under the BENEFIT CALCULATION, MONETIZATION, AND RESILIENCY TAB.
REV 12: Undesirable Groundwater Results Corrected (Restore)	
Describe the current groundwater conditions within the claimed project improvement area(s), including, but not limited to: the estimated number of wells present, total pumping values for the basin, current land use, potential and existing beneficial uses, existing water quality values, soil information, geology of the area, and any applicable undesirable results listed at Water Code section 10721(x)(1-6).	
Refer to Sites_A2 Documentation WQ Priority 6 "WSIP Data and Information Summary for Water Quality Priorities 6 – Groundwater" uploaded under the PHYSICAL PUBLIC BENEFITS TAB	
Describe the expected without-project groundwater conditions in 2030 within the claimed project improvement area, including	

WSIP Data and Information Summary Table: Water Quality Priority 6 (Groundwater)	
the factors addressed for current conditions (above).	
Refer to Sites_A2 Documentation WQ Priority 6 "WSIP Data and Information Summary for Water Quality Priorities 6 – Groundwater" uploaded under the PHYSICAL PUBLIC BENEFITS TAB	
Describe the expected with-project groundwater conditions (after project implementation) in 2030 within the claimed project improvement area, including: the factors addressed for current conditions (above); how the project would coordinate with the appropriate GSA; how the project complies with SGMA if a GSA has not yet been assigned; and how the project would improve conditions in a groundwater basin/subbasin where undesirable results (as defined in Water Code 10721(x)(1-6)) caused by extraction have occurred.	
The Site project could potentially assist Participants achieve compliance under SGMA. Some of the participants are designated as a Groundwater Sustainability Agency (GSA) for affected groundwater basins, including but not limited to Colusa County, Colusa County Water District, Santa Clara Valley Water District, and Zone 7. Many other agencies participating in the Sites Project also participate in GSAs. These member agencies will be involved in the future integration of the Sites Project into their respective Ground Water Sustainability Plans (GSPs). In addition, Sites participants: Desert Water Agency, California Water Service, San Bernardino Valley Municipal Water District, Metropolitan Water District and San Gorgonio Pass Water Agency are affiliated with adjudicated groundwater basins. Antelope Valley - East Kern Water Agency is affiliated with a groundwater basin that is pending adjudication. The associated operations by participating agencies with adjudicated basins would be included in annual monitoring and reporting activities. Coachella Valley Water District, Desert Water Agency, Santa Clara Valley Water Agency, and Zone 7 Water Agency have submitted requests for an Alternative strategy to the GSP. The Alternative strategy could consist of a groundwater management plan or law authorizing ground water management within a specific basin. The Sites project could also be incorporated into the overall groundwater management strategy for the groundwater basins associated with these Participants.	
Additional locations in the application where data and relevant supporting information, including attachments, are documented (document name, page number, table number, etc.).	Application Reference: Sites_A2 Documentation WQ Priority 6 "WSIP Data and Information Summary for Water Quality Priorities 6 – Groundwater" uploaded under the PHYSICAL PUBLIC BENEFITS TAB