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Summary Form for Electronic Document Submittal

Form F

Lead agencies may include 15 hardcopies of this document when submitting electronic copies of Environmental Impact Reports, Negative Declarations, Mitigated Negative Declarations, or Notices of Preparation to the State Clearinghouse (SCH). The SCH also accepts other summaries, such as EIR Executive Summaries prepared pursuant to CEQA Guidelines Section 15123. Please include one copy of the Notice of Completion Form (NOC) with your submission and attach the summary to each electronic copy of the document.

SCH #: _____

Project Title: Spring Creek Siphon Replacement Project

Lead Agency: Glenn-Colusa Irrigation District

Contact Name: Jeff Sutton, General Manager

Email: jsutton@gcid.net Phone Number: (530) 934-8881

Project Location: Colusa County
City *County*

Project Description (Proposed actions, location, and/or consequences).

See attached Project Description.

Identify the project's significant or potentially significant effects and briefly describe any proposed mitigation measures that would reduce or avoid that effect.

See attached Mitigation, Monitoring, and Reporting Program plan from Chapter 5 of the Initial Study/Mitigated Negative Declaration.

If applicable, describe any of the project's areas of controversy known to the Lead Agency, including issues raised by agencies and the public.

No known areas of controversy.

Provide a list of the responsible or trustee agencies for the project.

Not Applicable.

Project Description

The District is proposing the construction of a new siphon to replace the existing siphon, as well as the associated facilities, in the same approximate current location along the Main Canal. The initial phase would involve clearing and grubbing any vegetation present within the Project work area. The next phase would include the demolition and removal of the existing siphon, inlet and outlet headwalls and wingwalls, and Spring Creek headgate and pipeline. Prior to commencing the demolition and removal, a bypass would be constructed for Spring Creek. While the Canal would be dry during construction, the proposed construction window occurs during the Creek's peak winter flows. A temporary bypass channel would be built to divert flows around the work site and back into Spring Creek so as to not impact the Creek's water flow. The bypass would be constructed as an earthen channel with a High-Density Polyethylene (HDPE) lining. Water control measures, including temporary coffer dams, dewatering pumps, etc., may be installed to dewater groundwater and nuisance surface water from within the Main Canal from the Project area for construction activities when necessary.

Construction of the new, concrete structure would occur after the bypass is operational and the demolition is complete. The siphon would then be built by excavating an open trench for the cast-in-place concrete box siphons to be constructed. New inlet and outlet headwalls and wingwalls as well as the Spring Creek headgate and pipeline would also be constructed. An overflow weir will be incorporated into the upstream south wingwall with a side channel and pipeline to Spring Creek (shared pipeline with the Spring Creek headgate). Subsequent to installation, the trench would be backfilled. Rock slope protection would be placed within the channel to further prevent scour and erosion around the newly constructed siphon and associated facilities. Once these construction steps are completed, Spring Creek would be returned to its original alignment with the Main Canal flows to run below the Creek.

Earthwork cut and fill volumes are expected to approximately balance on site after construction. The Project site is approximately 5.4 acres including the structure footprint, construction staging, and access. The staging area would be located northeast of the structure construction near the bank of the Main Canal.

The proposed Project includes standard practices and best management practices to avoid or minimize cultural resources impacts and would be required to follow all applicable federal, State, and local requirements set for the existing built environment and archaeologic resource recovery. In the unlikely event that an archaeological resource is uncovered during the construction of this proposed Project, all construction activities would cease, and a qualified archaeologist would be contacted to assess the uncovered resource. Additionally, in accordance with Health and Safety Code Section 7050.5 and Public Resource Code Section 5097.98, if human remains were uncovered, construction activities would cease, and the Colusa County Coroner would be contacted.

CHAPTER 5 MITIGATION, MONITORING, AND REPORTING PROGRAM

This Mitigation Monitoring and Reporting Program (MMRP) has been formulated based upon the findings of the IS/MND for the proposed Project in the District. The MMRP lists mitigation measures recommended in the IS/MND for the proposed Project and identifies monitoring and reporting requirements.

Table 5-1: Mitigation, Monitoring, and Reporting Program presents the mitigation measures identified for the proposed Project. Each mitigation measure is numbered with a symbol indicating the topical section to which it pertains, a hyphen, and the impact number. For example, AIR-2 would be the second mitigation measure identified in the Air Quality analysis of the IS/MND.

The first column of Table 5-1: Mitigation, Monitoring, and Reporting Program identifies the mitigation measure. The second column, entitled "When Monitoring is to Occur," identifies the time the mitigation measure should be initiated. The third column, "Frequency of Monitoring," identifies the frequency of the monitoring of the mitigation measure. The fourth column, "Agency Responsible for Monitoring," names the party ultimately responsible for ensuring that the mitigation measure is implemented. The last columns will be used by the Lead and Responsible Agencies to ensure that individual mitigation measures have been complied with and monitored.

Table 5-1: Mitigation, Monitoring, and Reporting Program

Mitigation, Monitoring, and Reporting Program						
Item	Mitigation Measure	When Monitoring is to Occur	Frequency of Monitoring	Agency Responsible for Monitoring	Method to Verify Compliance	Verification of Compliance
Biological Resources						
General Project-Related Impacts						
BIO-1	**(WEAP Training)**: Prior to initiating construction activities (including staging and mobilization), all personnel associated with Project construction will attend a mandatory Worker Environmental Awareness Program (WEAP) training, conducted by a qualified biologist (someone familiar with the identification and habitats of burrowing owl, giant garter snake, Swainson's hawk, northwestern pond turtle, and nesting migratory birds/ raptors), to aid workers in identifying special status resources that may occur in the Project site. The specifics of this program will include identification of the sensitive species and suitable habitats, a description of the regulatory status and general ecological characteristics of sensitive resources, and review of the limits of construction and mitigation measures required to reduce impacts to biological resources within the work area. This training will discuss special status species, describe the laws and regulations in place to provide protection of these species, identify the penalties for violation of applicable environmental laws and regulations, and include a list of required protective measures to avoid "take." A fact sheet summarizing this information, along with photographs or illustrations of sensitive species with potential to occur on the Project site, will also be prepared for distribution to all contractors, their employees, and all other personnel involved with construction of the Project. All trainees will sign a form documenting that they have attended WEAP training and understand the information presented to them.	Prior to initiating construction activities and for new construction workers	Once, prior to initiating construction activities	District and Contractor	All trainees will sign a form documenting that they have attended WEAP training and understand the information presented to them	

Mitigation, Monitoring, and Reporting Program						
Item	Mitigation Measure	When Monitoring is to Occur	Frequency of Monitoring	Agency Responsible for Monitoring	Method to Verify Compliance	Verification of Compliance
BIO-2	**(BMPs)**: The Project proponent will require that all workers employ the following best management practices (BMPs) in order to avoid and minimize potential impacts to special status species: • Vehicles will observe a 15-mph speed limit while on unpaved access routes. • All open trenches, holes, sumps, and other excavations greater than 6-inches with sidewalls steeper than a 1:1 (45 degree) slope will have an escape ramp of earth or a non-slip material with a less than 1:1 slope or these will be covered with barrier material such that animals are unable to dig or squeeze under the barrier and become entrapped. • Workers will inspect areas beneath parked vehicles, equipment, and materials prior to mobilization. If special status species are detected, the individual will either be allowed to leave of its own volition or will be captured by the qualified biologist (must possess appropriate collecting/handling permits or relevant experience) and relocated out of harm's way to the nearest suitable habitat beyond the influence of the Project work area. "Take" of a State or federal special status (rare, candidate. Species of special concern, threatened, or endangered) species is prohibited without the necessary federal or state take permit(s). • The presence of any special status species adjacent to and within the Project site will be reported to the Project's qualified biologist, who will submit the occurrence to the CNDDB. The biologist will report the occurrence to CDFW and/or USFWS as required.	Prior to the start of and during any construction activities	Throughout Project construction duration	District and Contractor	Written reporting/photos if required by biologist in accordance with requirements	
Project-Related Mortality and/or Nest Abandonment of Migratory Birds, Raptors, and Special Status Birds						

Mitigation, Monitoring, and Reporting Program						
Item	Mitigation Measure	When Monitoring is to Occur	Frequency of Monitoring	Agency Responsible for Monitoring	Method to Verify Compliance	Verification of Compliance
BIO-3	**(Avoidance)**: The Project's construction activities will occur, if feasible, between September 16 and January 31 (outside of the nesting bird season) to avoid impacts to nesting birds.	September 16 to January 31	Once, as determined by qualified biologist during construction activities	District with assistance of a qualified biologist	Biological Memo	
BIO-4	**(Pre-construction Surveys)**: If activities must occur within nesting bird season (February 1 to September 15), a qualified biologist will conduct a pre-construction survey for SWHA nests onsite and within a 0.5-mile radius within ten calendar days prior to the start of construction. This survey will be conducted in accordance with the Recommended Timing and Methodology for Swainson's Hawk Nesting Surveys in California's Central Valley (Swainson's Hawk Technical Advisory Committee 2000), or current guidance. The survey would also include inspecting for nesting migratory birds within up to 50 feet outside of the Project site and for other nesting raptors within up to 450 feet outside of the Project site. All raptor nests would be considered "active" upon the nest-building stage. If no active nests are observed, no further mitigation is required. If construction is delayed or halted for more than ten (10) days, another pre-construction survey for nesting birds will be conducted.	Ten days prior to the start of construction activities	Once, as determined by qualified biologist during construction activities; whenever construction is delayed or halted for more than 10 days, it will need to occur again	District with assistance of a qualified biologist	Biological Memo	
BIO-5	**(Avoidance Buffers)**: On discovery of any active nests or breeding colonies near work areas, a qualified biologist will determine appropriate avoidance buffer distances based on applicable CDFW and/or USFWS guidelines, the biology of the species, conditions of the nest(s), and the level of Project disturbance and implement using flagging.	Upon discovery of any active nests or breeding colonies	During construction activities	District with assistance of a qualified biologist	Biological Memo	
Project-Related Mortality and/or Disturbance to Burrowing Owl						

Mitigation, Monitoring, and Reporting Program						
Item	Mitigation Measure	When Monitoring is to Occur	Frequency of Monitoring	Agency Responsible for Monitoring	Method to Verify Compliance	Verification of Compliance
BIO-6	**(Pre-construction Take Avoidance Survey)**: A qualified biologist (someone familiar with the identification and sign of this species) will conduct a pre-construction take avoidance survey for BUOW and suitable burrows, in accordance with CDFW's Staff Report on Burrowing Owl Mitigation (2012), within seven (7) days prior to the start of construction activities. The survey will include the proposed work area and surrounding lands up to 500 feet. If construction is delayed or halted for more than seven (7) days, another pre-construction survey for BUOW will be conducted. If no BUOW individuals or active burrows are observed, no further mitigation is required.	Seven days prior to the start of construction activities	Once, as determined by qualified biologist during construction activities; whenever construction is delayed or halted for more than seven days, it will need to occur again	District with assistance of a qualified biologist	Biological Memo	
BIO-7	**(Avoidance)**: If an active BUOW burrow is detected, avoidance buffers will be implemented. A qualified biologist will determine appropriate avoidance buffer distances based on CDFW's 2012 Staff Report on Burrowing Owl Mitigation, the biology of BUOW, conditions of the burrow(s), and the level of Project disturbance. If necessary, avoidance buffers will be identified with flagging, fencing, or other easily visible means, and will be maintained until the biologist has determined that the nestlings have fledged and all BUOW have left the Project area.	Upon discovery of any active BUOW burrow	During construction activities	District with assistance of a qualified biologist	Biological Memo; if necessary, avoidance buffers will be identified with flagging, fencing, or other easily visible means, and will be maintained until the biologist has determined that the nestlings have fledged and all BUOW have left the Project area	

Mitigation, Monitoring, and Reporting Program						
Item	Mitigation Measure	When Monitoring is to Occur	Frequency of Monitoring	Agency Responsible for Monitoring	Method to Verify Compliance	Verification of Compliance
BIO-8	**(ITP and Passive Relocation)**: If an active BUOW burrow is detected within the proposed work area and cannot be avoided, GCID will consult with CDWF regarding an Incidental Take Permit (ITP) and implement all measures identified by CDFW as necessary to reduce impacts to a less than significant level, including but not limited to passive relocation. CDFW. If recommended by CDFW, owls may be passively relocated during the non-breeding season (September 1 through January 31) or during the breeding season (February 1 through August 31) if a qualified biologist determines that there are no young in the burrow. Prior to the passive relocation, a qualified biologist will prepare a passive relocation plan that will detail the methods to be used. The plan, which will also be carried out by a qualified biologist, shall specify the tools to exclude the burrowing owl from its burrow (i.e., one-way doors or other devices) and excavate the burrow (hand tools and machinery, if needed). Following completion of passive relocation, a report will be prepared that documents the methods and results of these efforts.	Upon discovery of any active BUOW burrow that cannot be avoided	During construction activities	District with assistance of a qualified biologist	Acquisition of ITP	

Mitigation, Monitoring, and Reporting Program						
Item	Mitigation Measure	When Monitoring is to Occur	Frequency of Monitoring	Agency Responsible for Monitoring	Method to Verify Compliance	Verification of Compliance
Project-Related Mortality and/or Disturbance to Northwestern Pond Turtle						
BIO-9	**(Pre-construction Survey and Avoidance Buffers)**: Within seven (7) days prior to the start of construction, a qualified biologist (someone familiar with the identification and habitat of this species) will conduct a pre-construction survey for northwestern pond turtle within the Project site and surrounding areas up to 330 feet. Pre-construction surveys will be conducted in accordance with the draft Western Pond Turtle (Emys marmorata) Visual Survey Protocol for the Southcoast Ecoregion (United States Geological Survey 2006), or current guidance. If no northwestern pond turtles are observed during the pre-construction survey, then construction activities may begin. If construction is delayed or halted for more than seven (7) days, another pre-construction survey for northwestern pond turtle will be conducted. If the survey results in the identification of a northwestern pond turtle or an individual is found on the Project site during construction activities, it will be allowed to leave the Project site on its own and the qualified biologist will determine appropriate buffers to be implemented to avoid impacts to the individual(s).	Seven days prior to the start of construction activities	Once, as determined by qualified biologist during construction activities; whenever construction is delayed or halted for more than seven days, it will need to occur again	District with assistance of a qualified biologist	Biological Memo	
BIO-10	**(Monitor):** If northwestern pond turtles are observed within the Project site, a qualified biologist will conduct a pre-activity clearance survey each day and remain onsite to oversee all vegetation clearing and ground disturbing activities until the individual(s) have left the Project site.	Upon discovery of northwestern pond turtles	Each day during construction activities	District with assistance of a qualified biologist	Biological Memo	
BIO-11	**(Formal Consultation):** Should northwestern pond turtles get listed in this area and the Project/qualified biologist needs to move an individual, GCID shall consult with the appropriate agencies (USFWS and CDFW) to develop protection plans and/or relocation plans to avoid take and	Upon discovery of northwestern pond turtles and should northwestern pond turtles get listed in the area	Each day during construction activities should northwestern pond turtles get listed in the area	District with assistance of a qualified biologist	Consultation for protection plans and/or relocation plans with the appropriate	

Mitigation, Monitoring, and Reporting Program						
Item	Mitigation Measure	When Monitoring is to Occur	Frequency of Monitoring	Agency Responsible for Monitoring	Method to Verify Compliance	Verification of Compliance
	GCID will implement all protective measures identified by the agencies. Measures required through agency consultation may include a relocation plan prepared by a qualified biologist.				agencies will be completed to avoid take	
Project-Related Mortality and/or Disturbance of Giant Garter Snake						
BIO-12	**(ITP):** GCID shall consult with CDFW and USFWS about how to implement the Project and avoid and minimize take of giant garter snake. GCID shall obtain take authorization pursuant to CESA and ESA and comply with all permit requirements. Potential protective measures which are expected to be required through the take authorization process include pre-construction surveys, exclusion fencing, and daily monitoring of the site by qualified biologists.	Prior to construction	As finalized with CDFW	District with assistance of a qualified biologist	Acquisition of ITP	
Project-Related Impacts to Regulated Waters, Wetlands, and Water Quality						
BIO-13	**(Permits):** GCID shall obtain permits from USACE, RWQCB, and/or CDFW as applicable to comply with State and federal regulations and comply with all permit conditions. These permits, certifications, and agreements would ensure impacts to waters and sensitive aquatic resources are minimized to the extent possible and permanent impacts would be offset by compensatory mitigation.	If impacts to occur to jurisdictional waters, monitoring to occur beforehand	Prior to any identified impacts to jurisdictional waters	Contractor and District	Acquisition of necessary permits, certifications, and/or agreements	
Cultural Resources						
CUL-1	**(Archaeological Remains):** Should archeological remains or artifacts be unearthed during any stage of project activities, work in the area of the discovery shall cease until the area is evaluated by a qualified archaeologist. A qualified professional archaeologist, meeting the Secretary of the Interior's Professional Qualification Standards for prehistoric and historic archaeology, shall be retained to evaluate the significance of the find, and shall have the authority to modify the no-work radius as appropriate, using professional judgment.	Daily during construction activities	Continuously	District with a professional archaeologist	Compliance with regulations	

Mitigation, Monitoring, and Reporting Program						
Item	Mitigation Measure	When Monitoring is to Occur	Frequency of Monitoring	Agency Responsible for Monitoring	Method to Verify Compliance	Verification of Compliance
	The following notifications shall apply, depending on the nature of the find: • If the professional archaeologist determines that the find does not represent a cultural resource, work may resume immediately and no agency notifications are required. • If the professional archaeologist determines that the find does represent a cultural resource from any time period or cultural affiliation, the archaeologist shall immediately notify the lead agencies. The agencies shall consult on a finding of eligibility and implement appropriate treatment measures, if the find is determined to be a Historical Resource under CEQA, as defined by CEQA or a historic property under Section 106 NHPA, if applicable. Work may not resume within the no-work radius until the lead agencies, through consultation as appropriate, determine that the site either: 1) is not a Historical Resource under CEQA or a Historic Property under Section 106; or 2) that the treatment measures have been completed to their satisfaction. • If the find represents a Native American or potentially Native American resource that does not include human remains, then he or she shall further notify [tribe]. The agencies shall consult with the tribes on a finding of eligibility and implement appropriate treatment measures, if the find is determined to be a Historical					

Mitigation, Monitoring, and Reporting Program						
Item	Mitigation Measure	When Monitoring is to Occur	Frequency of Monitoring	Agency Responsible for Monitoring	Method to Verify Compliance	Verification of Compliance
	Resource under CEQA, as defined in Section 15064.5(a) of the CEQA Guidelines. Preservation in place is the preferred treatment, if feasible. Work may not resume within the no-work radius until the lead agencies, through consultation as appropriate, determine that the site either: 1) is not a Historical Resource under CEQA, as defined in Section 15064.5(a) of the CEQA Guidelines; or 2) that the treatment measures have been completed to their satisfaction.					
CUL-2	**(Human Remains):** In the event that human remains are discovered on the Project site, the Colusa County Coroner must be notified of that discovery (Health and Safety Code Section 7050.5) and all activities in the immediate area if the find or in any nearby area reasonably suspected of overlie adjacent human remains must cease until appropriate and lawful measures have been implemented. If the Coroner determines that the remains are not recent, but rather of Native American origin, the Coroner shall notify the NAHC in Sacramento within 24 hours to permit the NAHC to determine the most likely descendent of the deceased Native American (Public Resource Code Section 5097.98).	Daily during construction activities	Continuously	District	Compliance with regulations	
			Geological and Soils			
GEO-1	The proposed Project will comply with California PRC Section 5097.5, which pertains to the protection of paleontological resources. Should a unique paleontological resource, site, or unique geological feature be unearthed during any stage of Project activities, work in the area of discovery will cease until the area is evaluated by a qualified	Daily during construction activities	Continuously	District with a qualified geologist and/or paleontologist	Compliance with regulations	

Mitigation, Monitoring, and Reporting Program						
Item	Mitigation Measure	When Monitoring is to Occur	Frequency of Monitoring	Agency Responsible for Monitoring	Method to Verify Compliance	Verification of Compliance
	geologist and/or paleontologist to assess if the find is unique and, if necessary, develop appropriate treatment measures.					
Tribal Cultural Resources						
See **CUL-1** and **CUL-2**.						