

CATEGORICAL EXCLUSION CHECKLIST
2011 WaterSMART Grant
Semitropic Water Storage District Facility Improvements

South-Central California Area Office

June 22, 2011

Background: Semitropic Water Storage District (Semitropic) is one of eight water storage districts in California and is the largest in Kern County. The district delivers water to over 300 customers for agricultural uses, supplies energy to a variety of users, and provides groundwater banking and storage services within its boundaries. Starting in the 1990s and as recently as 2010, Semitropic has built infrastructure and facilities for groundwater banking and storage in response to several water reliability related challenges, and has continued to pursue a means to improve their operation.

Semitropic applied for and has been selected as a recipient to receive federal funding assistance through a 2011 WaterSMART grant from the Bureau of Reclamation (Reclamation).

Purpose and Need for Action: Semitropic needs funding assistance in order to make improvements to their existing facilities. These facilities allow for Semitropic to continue delivering reliable surface water to agricultural customers while helping alleviate the district's and the surrounding area's reliance on groundwater pumping by utilizing available excess (at the time) surface water supplies to recharge the underlying aquifer.

Proposed Action: Reclamation proposes to award Semitropic with a 2011 WaterSMART grant that would help fund district-level facility improvements within Semitropic. More specifically, the grant would help fund the acquisition of equipment, engineering designs, and construction/installation of improvements to (refer to Figures 1 through 6):

- Project 1 - Pond-Poso Pumping Plant and Spreading Grounds: install new 100 cubic-feet per second (cfs) pump, 250 horsepower (HP) motor, variable frequency drive, meter and meter vault, and electrical appurtenances.
- Project 2 - Lateral P-565 Reservoir Pumping Plant: install new 40 cfs pump, 150 HP motor, and related electrical appurtenances.
- Project 3 - Junction Pumping Plant: install 80 cfs, 300 HP turbine generator and electrical appurtenances.

The addition of these new equipment would be made to existing facilities. Construction and installation are anticipated to begin in mid-2012 and completed by September 2013.

Exclusion Category: 516 DM 14.5 B (3) Minor construction activities associated with authorized projects which correct unsatisfactory environmental conditions or which merely augment or supplement, or are enclosed within existing facilities.

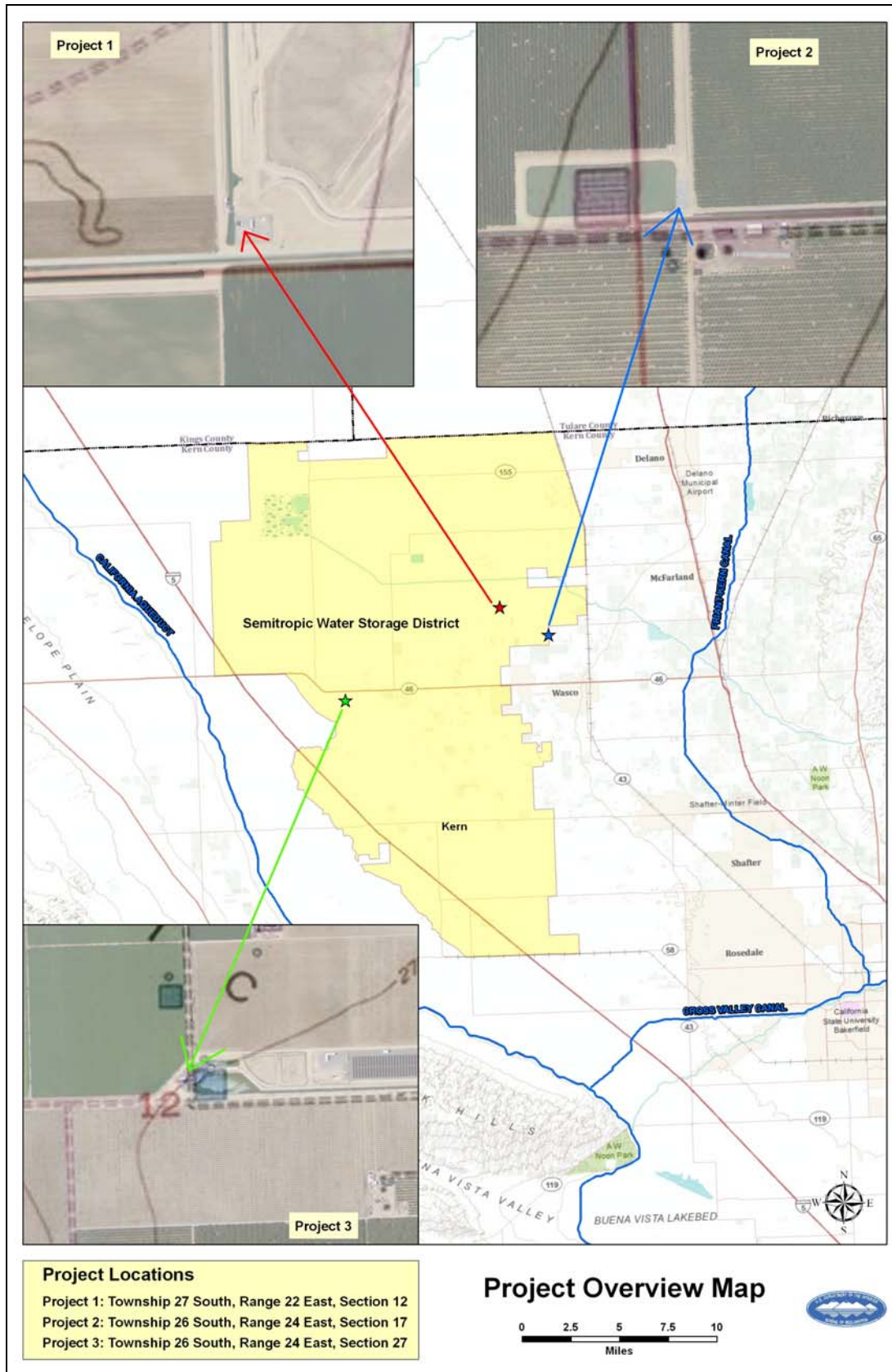


Figure 1. Project Overview Map



Figure 2. Project Locations Map

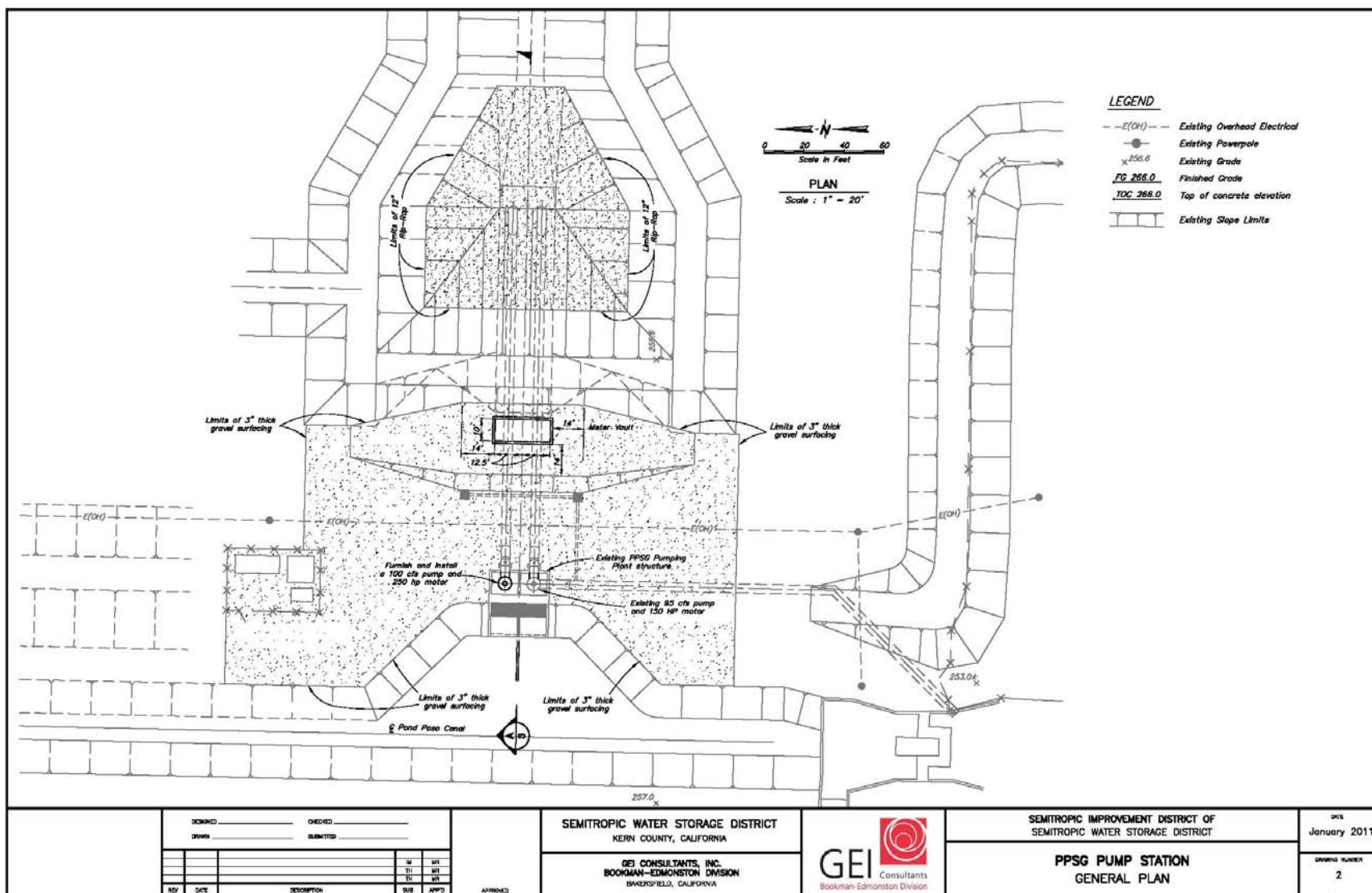


Figure 3. Project 1 – Pond Poso Pumping Plant and Spreading Grounds Overhead Schematic

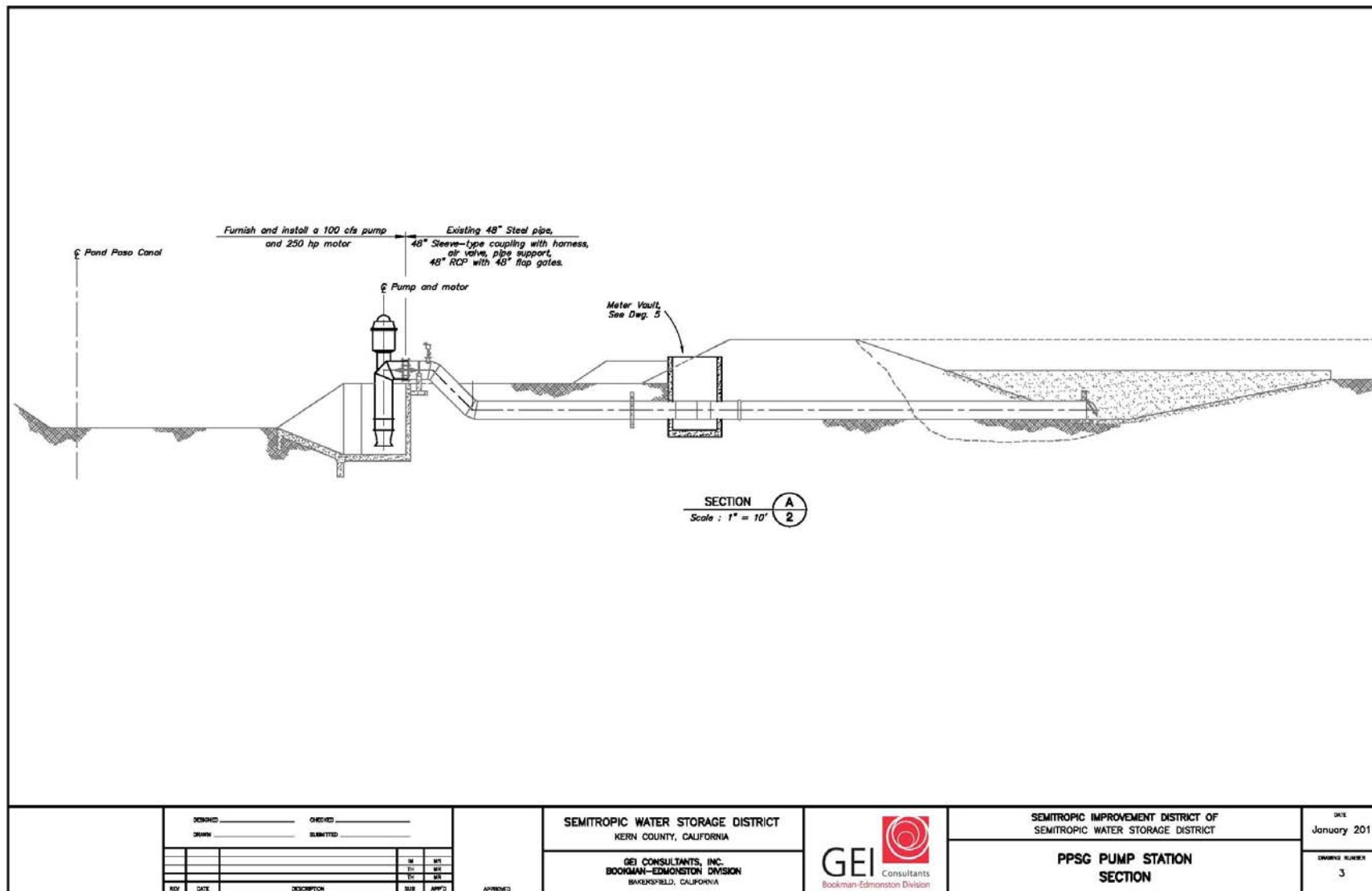


Figure 4. Project 1 – Pond Poso Pumping Plant and Spreading Grounds Profile Schematic

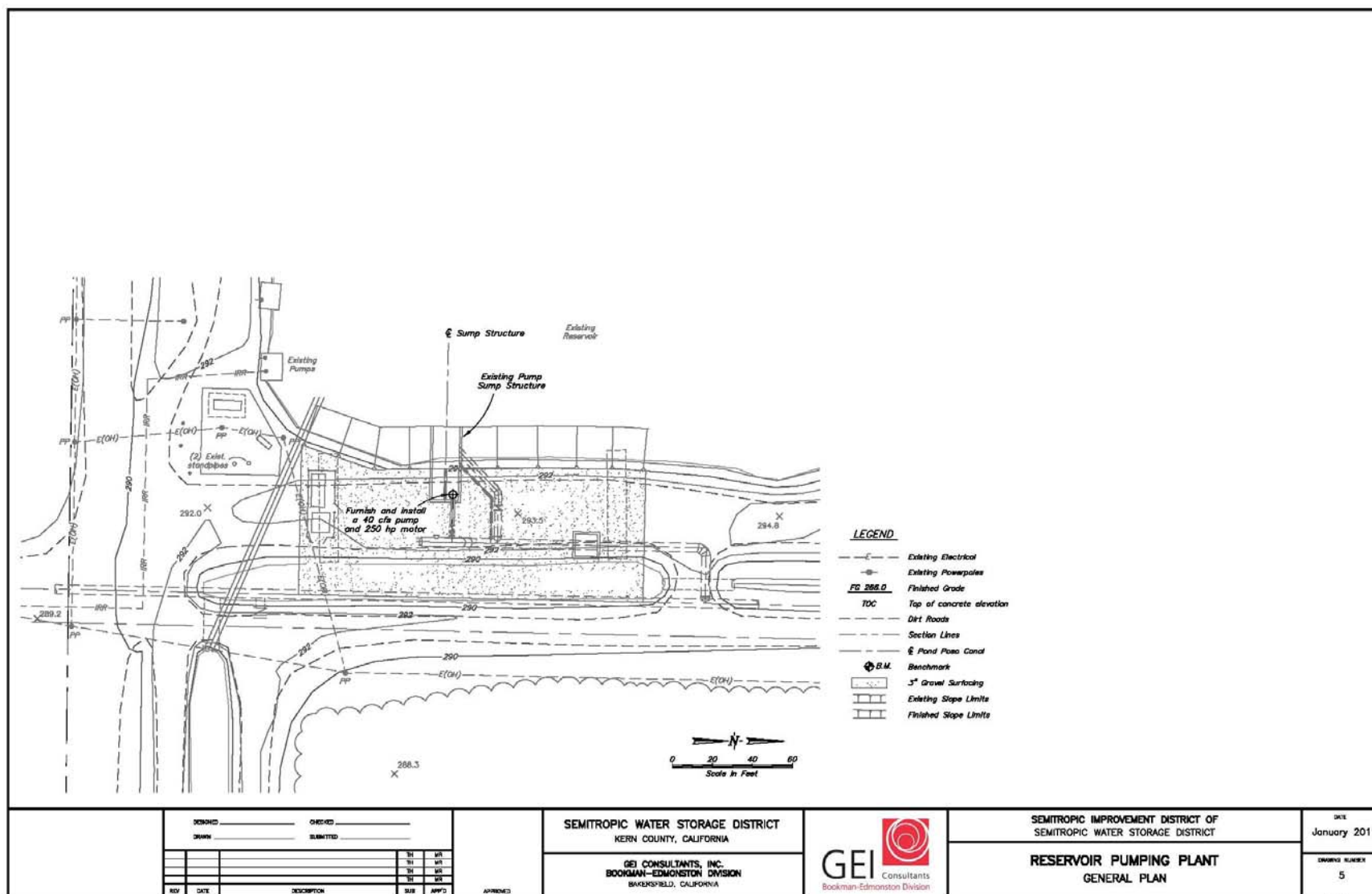


Figure 5. Project 2 – Lateral P-565 Reservoir Pumping Plant Overview Schematic

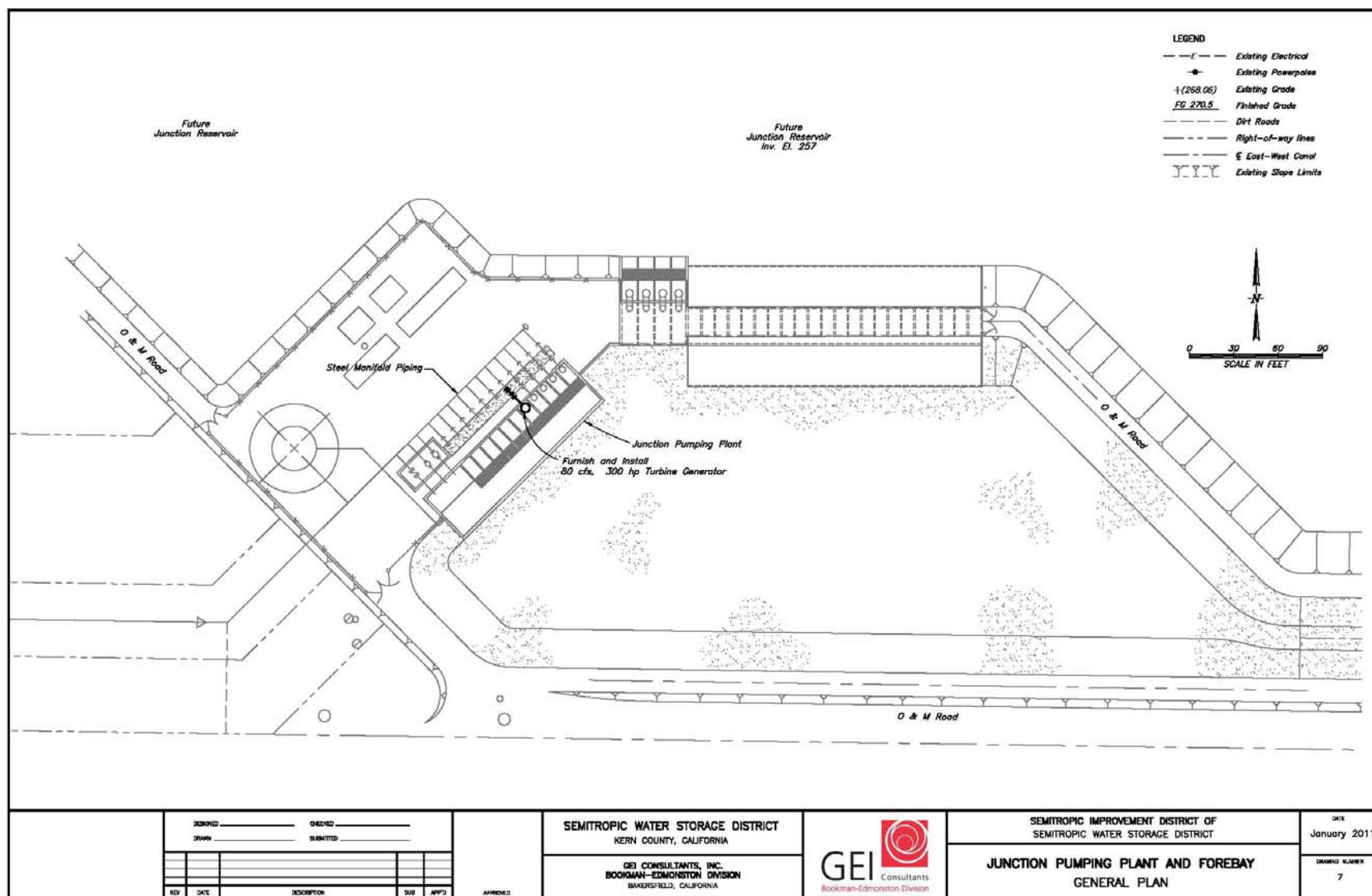


Figure 6. Project 3 – Junction Pumping Plant Overview Schematic

Evaluation of Criteria for Categorical Exclusion

- | | | | |
|--|-------------|----------------|-----|
| 1. This action would have a significant effect on the quality of the human environment. | No <u>X</u> | Uncertain ____ | Yes |
| 2. This action would have highly controversial environmental effects or involve unresolved conflicts concerning alternative uses of available resources. | No <u>X</u> | Uncertain ____ | Yes |

Evaluation of Exemptions to Actions within Categorical Exclusion

- | | | | |
|--|-------------|----------------|-----|
| 1. This action would have significant impacts on public health or safety. | No <u>X</u> | Uncertain ____ | Yes |
| 2. This action would have significant impacts on such natural resources and unique geographical characteristics as historic or cultural resources; parks, recreation, and refuge lands; wilderness areas; wild or scenic rivers; national natural landmarks; sole or principal drinking water aquifers; prime farmlands; wetlands; floodplains; national monuments; migratory birds; and other ecologically significant or critical areas. | No <u>X</u> | Uncertain ____ | Yes |
| 3. This action would have highly uncertain and potentially significant environmental effects or involve unique or unknown environmental risks. | No <u>X</u> | Uncertain ____ | Yes |
| 4. This action would establish a precedent for future action or represent a decision in principle about future actions with potentially significant environmental effects. | No <u>X</u> | Uncertain ____ | Yes |

- | | | | |
|--|-----------------|-------------------------|-----|
| 5. This action would have a direct relationship to other actions with individually insignificant but cumulatively significant environmental effects. | No <u> X </u> | Uncertain <u> </u> | Yes |
| | | | |
| 6. This action would have significant impacts on properties listed, or eligible for listing, on the National Register of Historic Places as determined by the bureau (in coordination with a Reclamation cultural resources professional). | No <u> X </u> | Uncertain <u> </u> | Yes |
| | | | |
| 7. This action would have significant impacts on species listed, or proposed to be listed, on the List of Endangered or Threatened Species, or have significant impacts on designated critical habitat for these species. | No <u> X </u> | Uncertain <u> </u> | Yes |
| | | | |
| 8. This action would violate a Federal, State, local, or tribal law or requirement imposed for protection of the environment. | No <u> X </u> | Uncertain <u> </u> | Yes |
| | | | |
| 9. This action would affect Indian Trust Assets (ITA) (To be completed by Reclamation official responsible for ITA). | No <u> X </u> | Uncertain <u> </u> | Yes |
| | | | |
| 10. This action would have a disproportionately high and adverse effect on low income or minority populations. | No <u> X </u> | Uncertain <u> </u> | Yes |
| | | | |
| 11. This action would limit access to and ceremonial use of Indian sacred sites on Federal lands by Indian religious practitioners or significantly adversely affect the physical integrity of such sacred sites. | No <u> X </u> | Uncertain <u> </u> | Yes |

12. This action would contribute to the introduction, continued existence, or spread of noxious weeds or non-native invasive species known to occur in the area or actions that may promote the introduction, growth, or expansion of the range of such species.

No X Uncertain ____ Yes

NEPA Action: Categorical Exclusion X

Environmental commitments, explanation, and/or remarks:

☒ Yes ☐ No Environmental commitments are required and attached.

☒ San Joaquin Kit Fox Avoidance and Minimization Measures

☐ Giant Garter Snake Avoidance and Minimization Measures

☐ California Tiger Salamander Avoidance and Minimization Measures

☐ California Red-Legged Frog Avoidance and Minimization Measures

☒ Other: see ESA No Effect Memo

Prepared by:

Michael Inthavong


Date: August 5, 2011

South-Central California Area Office

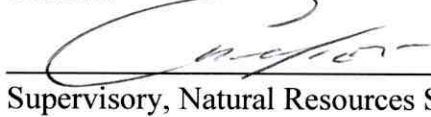
Regional Archeologist concurrence with Item 7:
See attachment.

ITA Designee concurrence with Item 10:
See attachment.

Concur:

 Date: August 8, 2011
Wildlife Biologist, South-Central California Area Office

Concur:

 Date: 8/17/11
Supervisory, Natural Resources Specialist, South-Central California Area Office

Concur:

 Date: 8/19/11
Chief, Resources Management Division, South-Central California Area Office

Approved:

 Date: 8/19/11
Deputy Area Manager, South-Central California Area Office



United States Department of the Interior

BUREAU OF RECLAMATION
1243 "N" Street
Fresno, CA 93727



August 19, 2011

MEMORANDUM

To: Michael T. Inthavong
Natural Resources Specialist

From: Jennifer L. Lewis
Endangered Species Act Branch

Subject: No-Effect Determination for 2011 WaterSMART Grant Semitropic Water Storage District Facility Improvements (EA-11-046)

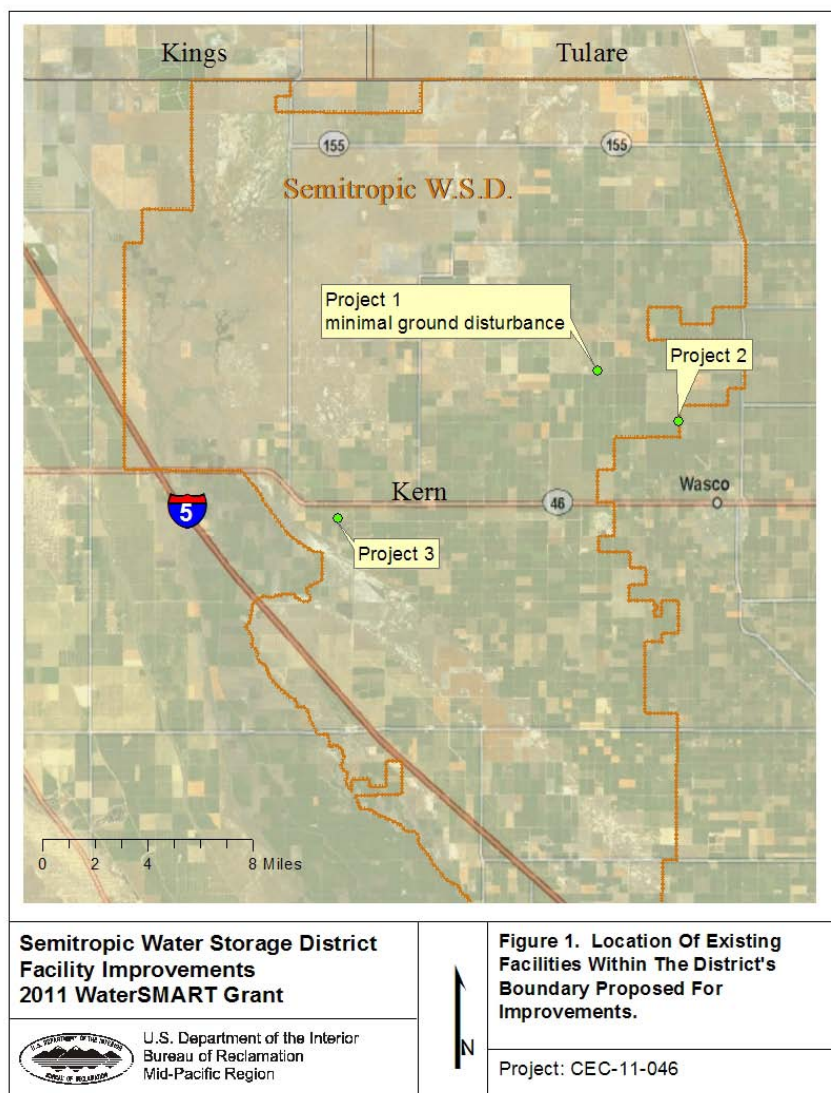
The Bureau of Reclamation (Reclamation) has reviewed Semitropic Water Storage District's (Semitropic) application for a 2011 WaterSMART grant for potential impacts to biological resources. Reclamation proposes to provide funding to assist in the improvement to Semitropic's existing facilities through the acquisition of equipment, engineering designs, and construction/ installation of improvements. This grant would cover improvements at three project (Projects 1-3) locations within Kern County (Figure 1; Table 1), as listed below.

- Project 1 - Pond-Poso Pumping Plant and Spreading Grounds (Image 1): install new 100 cubic-feet per second (cfs) pump, 250 horsepower (HP) motor, variable frequency drive, meter and meter vault, and electrical appurtenances.
- Project 2 - Lateral P-565 Reservoir Pumping Plant (Image 2): install new 40 cfs pump, 150 HP motor, and related electrical appurtenances. There will be no ground disturbance.
- Project 3 - Junction Pumping Plant (Image 3): install 80 cfs, 300 HP turbine generator and electrical appurtenances. There will be no ground disturbance.

Table 1. Project Locations for Facility Improvement.

Project Number	Coordinates		Township	Range	Section
	Latitude North	Longitude West			
1	35.6603	-119.4104	27	22	12
2	35.6383	-119.3658	26	24	17
3	35.5944	-119.5537	26	24	27

All construction/ installment activities would be made to existing facilities with concrete foundations within fenced areas and gravel working yards (Images 2-3). In addition, Project 1 would require ground disturbance for the installation of a meter vault in an area disturbed previously for the construction (2010) of Pond-Poso Spreading and Recovery Facility (Reclamation 2010; Image 1). A trench for the vault would be ¾:1 slope and approximately 60' L X 50' W X 17' D. The trench for conduit at the junction pumping plant would be approximately 50' L X 1' W X 3' D. Construction and installation are anticipated to begin in mid-2012 and completed by September 2013.



Biological Resources

Projects 1-3 are located within highly disturbed habitat and lack required habitat elements for most special-status species. In addition, construction/ installation are to pre-existing structures located on a concrete foundation. Therefore, only Project #1, with minimal ground disturbance activities, will be reviewed for potential impacts to biological resources (Figure 1).

California Natural Diversity Database (CNDDB 2011) records were searched for listed species in the vicinity of Project 1 and include the San Joaquin kit fox (*Vulpes macrotis mutica*; SJFK) (Figure 2). This area is highly disturbed due to irrigated agricultural land practices. SJFK are unlikely to be present but could potentially use the area for foraging purposes.



Image 1. Proposed installation of a pump (adjacent to existing pump) and the construction of a meter vault within existing dirt access area (foreground).



Image 2. Project 2 is a gravel working yard. Improvements include adding an additional pump.



Image 3. Area has concrete foundations and surrounded by fencing at proposed Project 3 site. Improvements include adding turbine generator to existing pump.

Environmental Protection Measures

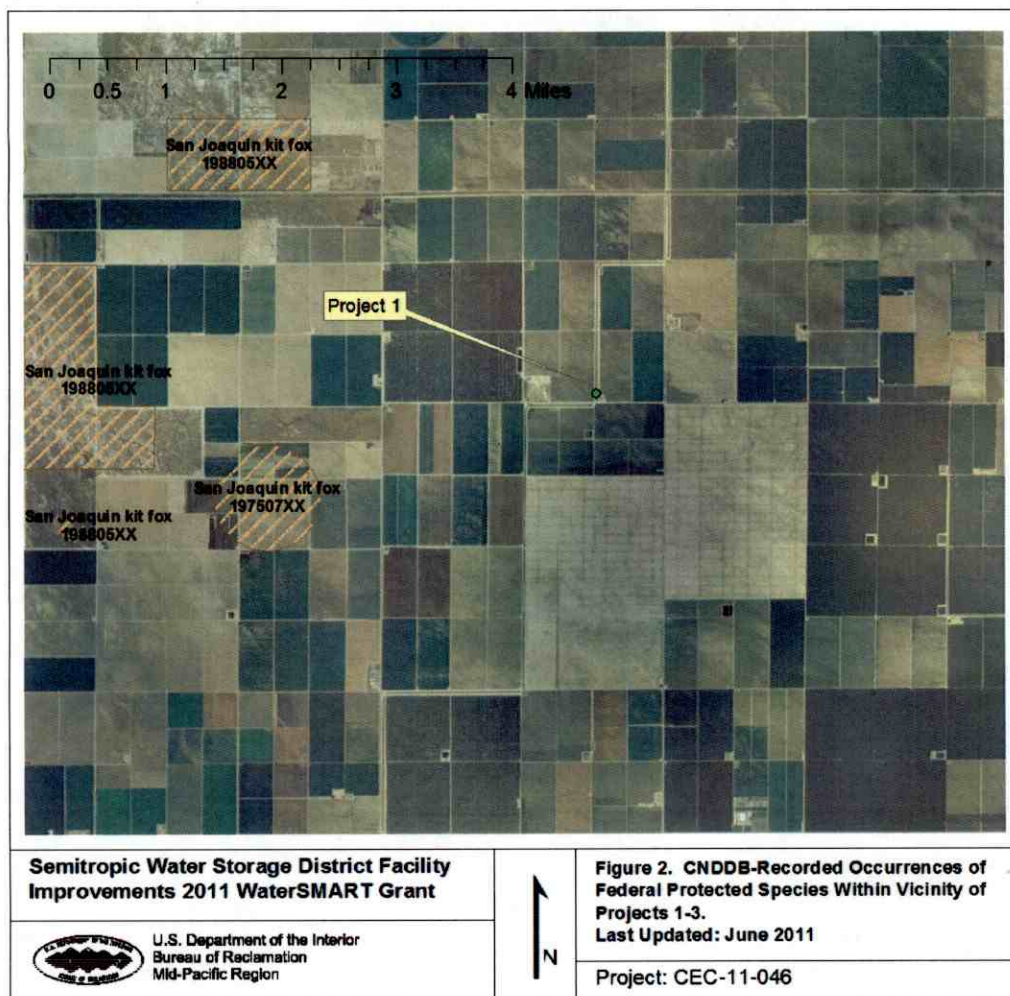
Semitropic will implement the following Environmental Protection Measures to reduce environmental consequences associated with the Proposed Action. Environmental consequences for resource areas assume the measures specified will be fully implemented.

- At **Project 1**, a pre-construction/pre-activity survey shall be conducted by qualified biologist(s) 14 to 30 days prior to ground disturbance to determine whether SJFK are present within the action area (USFWS 2011). All small mammal burrows within the proposed construction zone will be identified during this pre-activity survey. The survey will identify habitat features (i.e. small mammal burrows which may serve as a prey source), if any, and evaluate potential use by SJFK to avoid potential impacts to the SJFK by the Proposed Project.
- At **Projects 1-3**, Standard San Joaquin kit fox avoidance measures must be implemented during the proposed work.

Project site development may not begin until the results have been submitted to Bureau of Reclamation and U.S. Fish and Wildlife Service. If no SJFK or evidence of occupancy is found, no further mitigation is necessary. Should evidence of a SJFK or kit fox den be found, appropriate consultation with U.S. Fish and Wildlife Service's shall be followed (USFWS 2011).

Conclusion

Therefore, Reclamation has determined there would be No Effect to listed species with certain restrictions, as described in the Environmental Protective Measures listed above, under the Endangered Species Act (16 U.S.C. §1531 et. seq.).




References

CNDDB (California Natural Diversity Database). 2011. California Department of Fish and Game's Natural Diversity Database, Version 3.1.1. RareFind 3. Last Updated July 2011.

USFWS (U.S. Fish and Wildlife Service). 2011. Standardized Recommendations for Protection of the Endangered San Joaquin Kit Fox Prior to or During Ground Disturbance. Sacramento Fish and Wildlife Office, US Fish and Wildlife Service. January 2011.

Thank you,


Jennifer L. Lewis
Wildlife Biologist
Bureau of Reclamation
South-Central California Area Office
1243 "N" Street
Fresno CA 93721-1831

**U.S. FISH AND WILDLIFE SERVICE
STANDARDIZED RECOMMENDATIONS
FOR PROTECTION OF THE ENDANGERED SAN JOAQUIN KIT FOX
PRIOR TO OR DURING GROUND DISTURBANCE**

Prepared by the Sacramento Fish and Wildlife Office
January 2011

INTRODUCTION

The following document includes many of the San Joaquin kit fox (*Vulpes macrotis mutica*) protection measures typically recommended by the U. S. Fish and Wildlife Service (Service), prior to and during ground disturbance activities. **However, incorporating relevant sections of these guidelines into the proposed project is not the only action required under the Endangered Species Act of 1973, as amended (Act) and does not preclude the need for section 7 consultation or a section 10 incidental take permit for the proposed project.** Project applicants should contact the Service in Sacramento to determine the full range of requirements that apply to your project; the address and telephone number are given at the end of this document. Implementation of the measures presented in this document may be necessary to avoid violating the provisions of the Act, including the prohibition against "take" (defined as killing, harming, or harassing a listed species, including actions that damage or destroy its habitat). These protection measures may also be required under the terms of a biological opinion pursuant to section 7 of the Act resulting in incidental take authorization (authorization), or an incidental take permit (permit) pursuant to section 10 of the Act. The specific measures implemented to protect kit fox for any given project shall be determined by the Service based upon the applicant's consultation with the Service.

The purpose of this document is to make information on kit fox protection strategies readily available and to help standardize the methods and definitions currently employed to achieve kit fox protection. The measures outlined in this document are subject to modification or revision at the discretion of the Service.

IS A PERMIT NECESSARY?

Certain acts need a permit from the Service which includes destruction of any known (occupied or unoccupied) or natal/pupping kit fox dens. Determination of the presence or absence of kit foxes and /or their dens should be made during the environmental review process.

All surveys and monitoring described in this document must be conducted by a qualified biologist and these activities do not require a permit. A qualified biologist (biologist) means any person who has completed at least four years of university training in wildlife biology or a related science and/or has demonstrated field experience in the identification and life history of the San Joaquin kit fox. In addition, the biologist(s) must be able to identify coyote, red fox,

gray fox, and kit fox tracks, and to have seen a kit fox in the wild, at a zoo, or as a museum mount. Resumes of biologists should be submitted to the Service for review and approval prior to any survey or monitoring work occurring.

SMALL PROJECTS

Small projects are considered to be those projects with small foot prints, of approximately one acre or less, such as an individual in-fill oil well, communication tower, or bridge repairs. These projects must stand alone and not be part of, or in any way connected to larger projects (i.e., bridge repair or improvement to serve a future urban development). The Service recommends that on these small projects, the biologist survey the proposed project boundary and a 200-foot area outside of the project footprint to identify habitat features and utilize this information as guidance to situate the project to minimize or avoid impacts. If habitat features cannot be completely avoided, then surveys should be conducted and the Service should be contacted for technical assistance to determine the extent of possible take.

Preconstruction/preactivity surveys shall be conducted no less than 14 days and no more than 30 days prior to the beginning of ground disturbance and/or construction activities or any project activity likely to impact the San Joaquin kit fox. Kit foxes change dens four or five times during the summer months, and change natal dens one or two times per month (Morrell 1972). Surveys should identify kit fox habitat features on the project site and evaluate use by kit fox and, if possible, assess the potential impacts to the kit fox by the proposed activity. The status of all dens should be determined and mapped (see Survey Protocol). Written results of preconstruction/preactivity surveys must be received by the Service within five days after survey completion and prior to the start of ground disturbance and/or construction activities.

If a natal/pupping den is discovered within the project area or within 200-feet of the project boundary, the Service shall be immediately notified and under no circumstances should the den be disturbed or destroyed without prior authorization. If the preconstruction/preactivity survey reveals an active natal pupping or new information, the project applicant should contact the Service immediately to obtain the necessary take authorization/permit.

If the take authorization/permit has already been issued, then the biologist may proceed with den destruction within the project boundary, except natal/pupping den which may not be destroyed while occupied. A take authorization/permit is required to destroy these dens even after they are vacated. Protective exclusion zones can be placed around all known and potential dens which occur outside the project footprint (conversely, the project boundary can be demarcated, see den destruction section).

OTHER PROJECTS

It is likely that all other projects occurring within kit fox habitat will require a take authorization/permit from the Service. This determination would be made by the Service during the early evaluation process (see Survey Protocol). These other projects would include, but are not limited to: Linear projects; projects with large footprints such as urban development; and projects which in themselves may be small but have far reaching impacts (i.e., water storage or conveyance facilities that promote urban growth or agriculture, etc.).

The take authorization/permit issued by the Service may incorporate some or all of the protection measures presented in this document. The take authorization/permit may include measures specific to the needs of the project and those requirements supersede any requirements found in this document.

EXCLUSION ZONES

In order to avoid impacts, construction activities must avoid their dens. The configuration of exclusion zones around the kit fox dens should have a radius measured outward from the entrance or cluster of entrances due to the length of dens underground. The following distances are **minimums**, and if they cannot be followed the Service must be contacted. Adult and pup kit foxes are known to sometimes rest and play near the den entrance in the afternoon, but most above-ground activities begin near sunset and continue sporadically throughout the night. Den definitions are attached as Exhibit A.

Potential den**	50 feet
Atypical den**	50 feet
Known den*	100 feet
Natal/pupping den (occupied <u>and</u> unoccupied)	Service must be contacted

***Known den:** To ensure protection, the exclusion zone should be demarcated by fencing that encircles each den at the appropriate distance and does not prevent access to the den by kit foxes. Acceptable fencing includes untreated wood particle-board, silt fencing, orange construction fencing or other fencing as approved by the Service as long as it has openings for kit fox ingress/egress and keeps humans and equipment out. Exclusion zone fencing should be maintained until all construction related or operational disturbances have been terminated. At that time, all fencing shall be removed to avoid attracting subsequent attention to the dens.

****Potential and Atypical dens:** Placement of 4-5 flagged stakes 50 feet from the den entrance(s) will suffice to identify the den location; fencing will not be required, but the exclusion zone must be observed.

Only essential vehicle operation on existing roads and foot traffic should be permitted. Otherwise, all construction, vehicle operation, material storage, or any other type of surface-disturbing activity should be prohibited or greatly restricted within the exclusion zones.

DESTRUCTION OF DENS

Limited destruction of kit fox dens may be allowed, if avoidance is not a reasonable alternative, provided the following procedures are observed. The value to kit foxes of potential, known, and natal/pupping dens differ and therefore, each den type needs a different level of protection.

Destruction of any known or natal/pupping kit fox den requires take authorization/permit from the Service.

Destruction of the den should be accomplished by careful excavation until it is certain that no kit foxes are inside. The den should be fully excavated, filled with dirt and compacted to ensure that kit foxes cannot reenter or use the den during the construction period. If at any point during excavation, a kit fox is discovered inside the den, the excavation activity shall cease immediately and monitoring of the den as described above should be resumed. Destruction of the den may be completed when in the judgment of the biologist, the animal has escaped, without further disturbance, from the partially destroyed den.

Natal/pupping dens: Natal or pupping dens which are occupied will not be destroyed until the pups and adults have vacated and then only after consultation with the Service. Therefore, project activities at some den sites may have to be postponed.

Known Dens: Known dens occurring within the footprint of the activity must be monitored for three days with tracking medium or an infra-red beam camera to determine the current use. If no kit fox activity is observed during this period, the den should be destroyed immediately to preclude subsequent use.

If kit fox activity is observed at the den during this period, the den should be monitored for at least five consecutive days from the time of the observation to allow any resident animal to move to another den during its normal activity. Use of the den can be discouraged during this period by partially plugging its entrances(s) with soil in such a manner that any resident animal can escape easily. Only when the den is determined to be unoccupied may the den be excavated under the direction of the biologist. If the animal is still present after five or more consecutive days of plugging and monitoring, the den may have to be excavated when, in the judgment of a biologist, it is temporarily vacant, for example during the animal's normal foraging activities.

The Service encourages hand excavation, but realizes that soil conditions may necessitate the use of excavating equipment. However, extreme caution must be exercised.

Potential Dens: If a take authorization/permit has been obtained from the Service, den destruction may proceed without monitoring, unless other restrictions were issued with the take authorization/permit. If no take authorization/permit has been issued, then potential dens should be monitored as if they were known dens. If any den was considered to be a potential den, but is later determined during monitoring or destruction to be currently, or previously used by kit fox (e.g., if kit fox sign is found inside), then all construction activities shall cease and the Service shall be notified immediately.

CONSTRUCTION AND ON-GOING OPERATIONAL REQUIREMENTS

Habitat subject to permanent and temporary construction disturbances and other types of ongoing project-related disturbance activities should be minimized by adhering to the following activities. Project designs should limit or cluster permanent project features to the smallest area possible while still permitting achievement of project goals. To minimize temporary disturbances, all project-related vehicle traffic should be restricted to established roads, construction areas, and other designated areas. These areas should also be included in preconstruction surveys and, to the extent possible, should be established in locations disturbed by previous activities to prevent further impacts.

1. Project-related vehicles should observe a daytime speed limit of 20-mph throughout the site in all project areas, except on county roads and State and Federal highways; this is particularly important at night when kit foxes are most active. Night-time construction should be minimized to the extent possible. However if it does occur, then the speed limit should be reduced to 10-mph. Off-road traffic outside of designated project areas should be prohibited.
2. To prevent inadvertent entrapment of kit foxes or other animals during the construction phase of a project, all excavated, steep-walled holes or trenches more than 2-feet deep should be covered at the close of each working day by plywood or similar materials. If the trenches cannot be closed, one or more escape ramps constructed of earthen-fill or wooden planks shall be installed. Before such holes or trenches are filled, they should be thoroughly inspected for trapped animals. If at any time a trapped or injured kit fox is discovered, the Service and the California Department of Fish and Game (CDFG) shall be contacted as noted under measure 13 referenced below.
3. Kit foxes are attracted to den-like structures such as pipes and may enter stored pipes and become trapped or injured. All construction pipes, culverts, or similar structures with a diameter of 4-inches or greater that are stored at a construction site for one or more overnight periods should be thoroughly inspected for kit foxes before the pipe is subsequently buried, capped, or otherwise used or moved in any way. If a kit fox is discovered inside a pipe, that section of pipe should not be moved until the Service has been consulted. If necessary, and under the direct supervision of the biologist, the pipe

may be moved only once to remove it from the path of construction activity, until the fox has escaped.

4. All food-related trash items such as wrappers, cans, bottles, and food scraps should be disposed of in securely closed containers and removed at least once a week from a construction or project site.
5. No firearms shall be allowed on the project site.
6. No pets, such as dogs or cats, should be permitted on the project site to prevent harassment, mortality of kit foxes, or destruction of dens.
7. Use of rodenticides and herbicides in project areas should be restricted. This is necessary to prevent primary or secondary poisoning of kit foxes and the depletion of prey populations on which they depend. All uses of such compounds should observe label and other restrictions mandated by the U.S. Environmental Protection Agency, California Department of Food and Agriculture, and other State and Federal legislation, as well as additional project-related restrictions deemed necessary by the Service. If rodent control must be conducted, zinc phosphide should be used because of a proven lower risk to kit fox.
8. A representative shall be appointed by the project proponent who will be the contact source for any employee or contractor who might inadvertently kill or injure a kit fox or who finds a dead, injured or entrapped kit fox. The representative will be identified during the employee education program and their name and telephone number shall be provided to the Service.
9. An employee education program should be conducted for any project that has anticipated impacts to kit fox or other endangered species. The program should consist of a brief presentation by persons knowledgeable in kit fox biology and legislative protection to explain endangered species concerns to contractors, their employees, and military and/or agency personnel involved in the project. The program should include the following: A description of the San Joaquin kit fox and its habitat needs; a report of the occurrence of kit fox in the project area; an explanation of the status of the species and its protection under the Endangered Species Act; and a list of measures being taken to reduce impacts to the species during project construction and implementation. A fact sheet conveying this information should be prepared for distribution to the previously referenced people and anyone else who may enter the project site.
10. Upon completion of the project, all areas subject to temporary ground disturbances, including storage and staging areas, temporary roads, pipeline corridors, etc. should be re-contoured if necessary, and revegetated to promote restoration of the area to pre-project conditions. An area subject to "temporary" disturbance means any area that is

disturbed during the project, but after project completion will not be subject to further disturbance and has the potential to be revegetated. Appropriate methods and plant species used to revegetate such areas should be determined on a site-specific basis in consultation with the Service, California Department of Fish and Game (CDFG), and revegetation experts.

11. In the case of trapped animals, escape ramps or structures should be installed immediately to allow the animal(s) to escape, or the Service should be contacted for guidance.
12. Any contractor, employee, or military or agency personnel who are responsible for inadvertently killing or injuring a San Joaquin kit fox shall immediately report the incident to their representative. This representative shall contact the CDFG immediately in the case of a dead, injured or entrapped kit fox. The CDFG contact for immediate assistance is State Dispatch at (916)445-0045. They will contact the local warden or Mr. Paul Hoffman, the wildlife biologist, at (530)934-9309. The Service should be contacted at the numbers below.
13. The Sacramento Fish and Wildlife Office and CDFG shall be notified in writing within three working days of the accidental death or injury to a San Joaquin kit fox during project related activities. Notification must include the date, time, and location of the incident or of the finding of a dead or injured animal and any other pertinent information. The Service contact is the Chief of the Division of Endangered Species, at the addresses and telephone numbers below. The CDFG contact is Mr. Paul Hoffman at 1701 Nimbus Road, Suite A, Rancho Cordova, California 95670, (530) 934-9309.
14. New sightings of kit fox shall be reported to the California Natural Diversity Database (CNDDDB). A copy of the reporting form and a topographic map clearly marked with the location of where the kit fox was observed should also be provided to the Service at the address below.

Any project-related information required by the Service or questions concerning the above conditions or their implementation may be directed in writing to the U.S. Fish and Wildlife Service at:

Endangered Species Division
2800 Cottage Way, Suite W2605
Sacramento, California 95825-1846
(916) 414-6620 or (916) 414-6600

EXHIBIT “A” - DEFINITIONS

"Take" - Section 9 of the Endangered Species Act of 1973, as amended (Act) prohibits the "take" of any federally listed endangered species by any person (an individual, corporation, partnership, trust, association, etc.) subject to the jurisdiction of the United States. As defined in the Act, take means " . . . to harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect, or attempt to engage in any such conduct". Thus, not only is a listed animal protected from activities such as hunting, but also from actions that damage or destroy its habitat.

"Dens" - San Joaquin kit fox dens may be located in areas of low, moderate, or steep topography. Den characteristics are listed below, however, the specific characteristics of individual dens may vary and occupied dens may lack some or all of these features. Therefore, caution must be exercised in determining the status of any den. Typical dens may include the following: (1) one or more entrances that are approximately 5 to 8 inches in diameter; (2) dirt berms adjacent to the entrances; (3) kit fox tracks, scat, or prey remains in the vicinity of the den; (4) matted vegetation adjacent to the den entrances; and (5) manmade features such as culverts, pipes, and canal banks.

"Known den" - Any existing natural den or manmade structure that is used or has been used at any time in the past by a San Joaquin kit fox. Evidence of use may include historical records, past or current radiotelemetry or spotlighting data, kit fox sign such as tracks, scat, and/or prey remains, or other reasonable proof that a given den is being or has been used by a kit fox. The Service discourages use of the terms "active" and "inactive" when referring to any kit fox den because a great percentage of occupied dens show no evidence of use, and because kit foxes change dens often, with the result that the status of a given den may change frequently and abruptly.

"Potential Den" - Any subterranean hole within the species' range that has entrances of appropriate dimensions for which available evidence is insufficient to conclude that it is being used or has been used by a kit fox. Potential dens shall include the following: (1) any suitable subterranean hole; or (2) any den or burrow of another species (e.g., coyote, badger, red fox, or ground squirrel) that otherwise has appropriate characteristics for kit fox use.

"Natal or Pupping Den" - Any den used by kit foxes to whelp and/or rear their pups. Natal/pupping dens may be larger with more numerous entrances than dens occupied exclusively by adults. These dens typically have more kit fox tracks, scat, and prey remains in the vicinity of the den, and may have a broader apron of matted dirt and/or vegetation at one or more entrances. A natal den, defined as a den in which kit fox pups are actually whelped but not necessarily reared, is a more restrictive version of the pupping den. In practice, however, it is difficult to distinguish between the two, therefore, for purposes of this definition either term applies.

"Atypical Den" - Any manmade structure which has been or is being occupied by a San Joaquin kit fox. Atypical dens may include pipes, culverts, and diggings beneath concrete slabs and buildings.

Inthavong, Michael T

From: Barnes, Amy J
Sent: Friday, August 05, 2011 7:35 AM
To: Inthavong, Michael T
Cc: Siek, Charles R; BOR MPR Cultural Resources Section
Subject: 11-046 WaterSMART Grant Semitropic Water Storage District Facility Improvements (11-SCAO-164)

Tracking #11-SCAO-164

Project: CEC-11-046 WaterSMART Grant Semitropic Water Storage District Facility Improvements

Location: Kern County; Wasco NW and Semitropic 7.5 minute USGS quadrangle maps.
sec. 12, T. 27 S., R. 22 E. (Pond-Poso Pumping Plant);
sec. 17, T. 26 S., R. 23 E. (Lateral P-565 Reservoir Pumping Plant); and
sec. 27, T. 26 S., R. 23 E. (Junction Pumping Plant), Mount Diablo B.M.

Categorical Exclusion: 516 DM 14.5 B (3)

The proposed activities associated with Reclamation providing Sacramento Valley Integrated Regional Water Management Plan (SVIRWMP) Grant funds to the Semitropic Water Storage District (Semitropic) for a facility improvement project west and northwest of the City of Wasco, California will have no potential to affect historic properties. Semitropic applied to Reclamation for SVIRWMP funds to install two pumps and a turbine generator at three of its facilities: Pond-Poso Pumping Plant and Spreading Grounds, Lateral P-565 Reservoir Pumping Plant, and Junction Pumping Plant.

Semitropic proposes to install a new pump, motor and Variable Frequency Drive (VFD), water meter, meter vault, and electrical appurtenances at the Pond-Poso Pumping Plant; install a new pump, motor and VFD, and electrical appurtenances at the Lateral P-565 Reservoir Pumping Plant; and install a turbine generator and electrical appurtenances at the Junction Pumping Plant.

The proposed improvements are being constructed within existing facilities that were built as primarily private endeavors by Semitropic. The Pond-Poso Pumping Plant and Spreading Grounds was partially constructed in 2007, the work being limited to earthwork, including diked spreading ponds, conveyance ditches, and habitat benches as well as construction of well. In 2008, the District completed a substantial amount of work on the Pond-Poso pumping plant, including construction of a two-bay, canal-side reinforced concrete sump structure; installation of associated structural steel and miscellaneous metalwork; and installation of a pump, motor, and VFD for one bay. Additional construction for the Pond-Poso facility, which entailed constructing inter-basin structures, 20 pond over-pours, three emergency spillways, four county road siphon crossings, completion of seven production wells, eight casing path wells and five shallow wells and construction of a collector system, was completed in 2010 with the assistance of American Recovery and Reinvestment Act from Reclamation, and the facility was subsequently put into operation. Semitropic completed both the Lateral P-565 Reservoir and Pumping Plant and Junction Pumping Plant in 2007, which were subsequently put into operation.

The new pump, motor, and VFD will be lifted from a flatbed truck with a crane and installed in an existing pump bay at the Pond-Poso and Lateral P-565 Reservoir pumping plants. The new pumps will be connected to the existing 48-inch reinforced concrete pipe with a steel pump manifold, including valves, couplings, and other appurtenances. The pumps will be connected to the existing electrical conduits. Likewise, a new turbine generator will be installed in an existing bay at the Junction Pumping Plant, connected to the existing reinforced concrete pipe, and connected to the existing electrical system.

The trench for the meter vault at the Pond-Poso Pumping plant will measure approximately 17 feet deep, 60 feet long, and 50 feet wide. An excavator will dig the hole and a concrete pump truck will place concrete on the rebar walls and the invert of the meter vault. The 48-inch reinforced concrete pipe sections will be placed in the new meter vault with a crane and attached to the existing pipelines. Construction of the meter vault is limited to the original 60-foot wide by 100-foot long APE previously analyzed for installing the two existing parallel 48-inch pipelines.

The APE is a highly modified environment. Much of the Pond-Poso, Junction, and Lateral P-565 facilities were excavated to a depth of approximately 30 feet during their construction. All excavation and equipment placement for the current project will be within the previously analyzed APE for pipeline construction or within existing facilities. The existing operation and maintenance roads and staging areas at each facility will be used for this project.

Reclamation determined that the proposed action has no potential to affect historic properties pursuant to 36 CFR Part 800.3(a)(1); therefore, no additional consideration under Section 106 of the National Historic Preservation Act is required. I concur with Item 6 of CEC-11-046, dated June 22, 2011.

Thank you for the opportunity to review the proposed action. Please place a copy of this concurrence with the CEC administrative record.

Amy J. Barnes
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Inthavong, Michael T

From: Rivera, Patricia L
Sent: Thursday, June 23, 2011 6:01 AM
To: Inthavong, Michael T
Subject: RE: ITA Request Form (CEC-11-046)

Michael,

I reviewed the proposed action to award a WaterSMART grant to Semitropic Water Storage District (Semitropic), which would help fund improvement projects to the district's existing facilities. More specifically:

Project 1 – Pond-Poso Pumping Plant: Install new pump, motor, meter vault, and related electrical appurtenances.

Project 2 – Lateral P-565 Pumping Plant: Install new pump, motor, related electrical appurtenances.

Project 3 – Junction Pumping Plant: Install new turbine.

The Proposed Action would take place within Semitropic in Kern County, California.

The proposed action does not have a potential to affect Indian Trust Assets. The nearest ITA is Tule River Reservation approximately 39 miles NE of the project location.

Patricia