

RECLAMATION

Managing Water in the West

Supplemental Environmental Assessment

Addition of Westlands Water District to the Arvin-Edison Water District and Westside Mutual Water Company Exchange Program

SEA-12-030



**U.S. Department of the Interior
Bureau of Reclamation
Mid Pacific Region
South-Central California Area Office
Fresno, California**

July 2013

Mission Statements

The mission of the Department of the Interior is to protect and provide access to our Nation's natural and cultural heritage and honor our trust responsibilities to Indian Tribes and our commitments to island communities.

The mission of the Bureau of Reclamation is to manage, develop, and protect water and related resources in an environmentally and economically sound manner in the interest of the American public.

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Section 1 Introduction

1.1 Background

In November 2011, the Bureau of Reclamation (Reclamation) signed a Finding of No Significant Impact (FONSI) for the exchange of Arvin-Edison Water Storage District's (Arvin) Central Valley Project (CVP) water supplies with Westside Mutual Water Company's (Westside) California State Water Project (SWP) and other water supplies (Exchange Program). The potential impacts to the human environment as a result of the exchanges were analyzed in Environmental Assessment (EA)-11-039, *Arvin Edison Water Storage District/ Westside Mutual Water Company Exchange (2011-2016)*. This document serves to supplement that EA.

The existing Exchange Program involves delivery of Arvin's supplies to Westside member lands as exchange water, based on a 1 for 1 or "bucket for bucket" basis, up to 50,000 acre-feet (af). Westside diverts and uses a portion of Arvin's CVP water through a combination of existing turnouts. In exchange for Arvin's supplies, Westside delivers up to 50,000 af on a variable, as-needed and available basis. Westside's supplies delivered to Arvin are a combination of: SWP water supply, CVP Section 215 water, Kern River water, and/or City of Bakersfield Surplus Kern River water. The Exchange Program began in 2011 and is in effect through February 29, 2016 or 50,000 af, whichever comes first.

In April 2012, Reclamation received a request from Westside to add their member lands and water supplies (Appendix A) in Westlands Water District (Westlands) to the Exchange Program. The additional points of delivery and additional supplies from Westside member lands in Westlands are the only change proposed from what was analyzed in EA-11-039. Exchange of Arvin's and Westside's water supplies would continue through February 29, 2016, consistent with EA-11-039 and the current Exchange Program.

1.2 Need for the Proposed Action

Due to the purchase of land in Westlands Water District by Westside members, Arvin and Westside desire to supplement the existing EA to include Westlands as a "Supplier Water District" to allow Westside to provide Arvin with exchange water from Westside member supplies allocated to them in Westlands, and to include Westlands as a "Receipt Water District" that could receive Arvin's CVP water for delivery to Westside member lands in Westlands.

The need of the Proposed Action is to reduce Arvin's possible water supply losses in future years due to drought and San Joaquin River Restoration Program diversions. The use of SWP or other water supplies for exchanges provides Arvin with operational flexibility and facilitates better management of its CVP water supplies. There is also a need to provide Westside with dry-year supplies and to reduce Westside's risk of wet-year CVP or SWP carryover water supply losses.

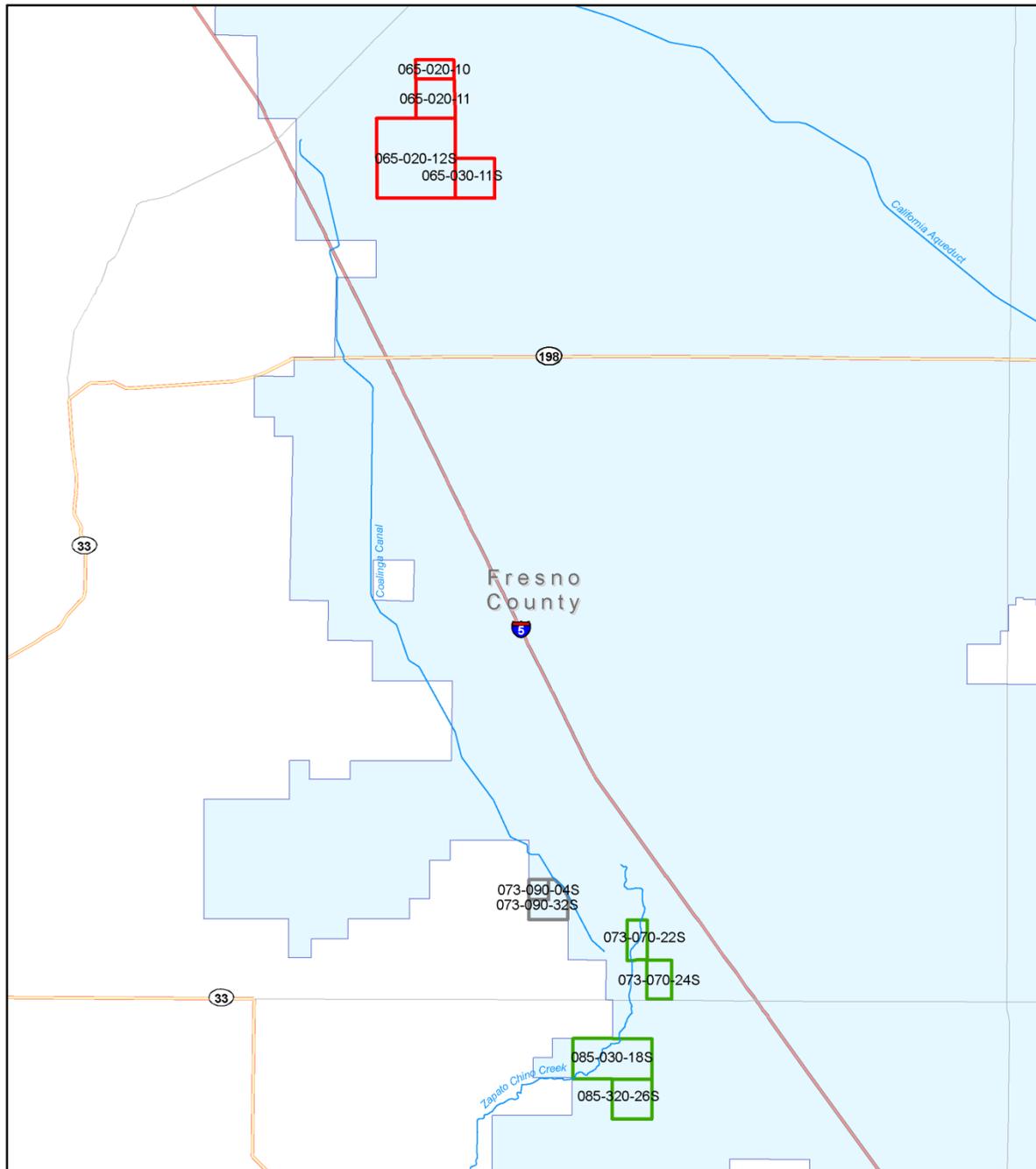
1.3 Scope

The scope of this SEA expands the scope of EA-11-039 to include Westlands as a both a “Recipient Water District” and “Supplier Water District”, as those terms are used in EA-11-039 and to the extent that Westside member supplies of annual CVP contract water are utilized as return supplies to Arvin. The Proposed Action area is located in the western Fresno County. Refer to the scope of EA-11-039 and Figure 1 for reference.

1.4 Resources of Potential Concern

This EA will analyze the affected environment of the Proposed Action and No Action Alternative in order to determine the potential direct and indirect impacts and cumulative effects to the following resources:

- Water Resources
- Land Use
- Biological Resources
- Socioeconomic Resources



Legend

-  Paramount Farms
-  Paramount Land Company
-  Papas Ranch
-  County Lines
-  Westlands W.D.



**Westside Mutal WD
Fresno County Lands**

K:\GIS\Public_PFC_Data\Water_Districts\Westside_Mutual\FresnoCountyParcels_Labels.mxd 8/27/2012 1:25:53 PM

Figure 1 Lands to Be Included in the Exchange Program

Section 2 Alternatives Including the Proposed Action

This EA considers two possible actions: the No Action Alternative and the Proposed Action. The No Action Alternative reflects future conditions without the Proposed Action and serves as a basis of comparison for determining potential effects to the human environment.

2.1 No Action Alternative

Under the No Action Alternative, Reclamation would not approve the addition of Westside's member lands in Westlands to the multi-year Exchange Program covering a 50,000 AF water exchange between Arvin and Westside. The Exchange Program, as previously analyzed through EA 11-039, could continue without the addition of Westlands as a Recipient Water District or Supplier Water District.

2.2 Proposed Action

Reclamation proposes to approve a series of exchanges between Arvin and Westside to include Westlands as a Recipient Water District and Supplier Water District, for the benefit of Westside member lands within Westlands. The amount of water delivered may vary according to Westside and Arvin's needs and available conveyance capacities in existing facilities. The Exchange Program would be in effect from June 2013 through February 29, 2016 or 50,000 AF, whichever comes first.

Westside's Recipient Water Districts would be updated to include Westlands. The points of delivery to Westlands would include existing turnouts on the San Luis Canal. The previously analyzed points of delivery on the Friant-Kern Canal, California Aqueduct, and Cross Valley Canal for the delivery of CVP water from Arvin to Westside and from Westside to Arvin would continue to be used as described in EA-11-039.

Westlands will be included as a Supplier Water District for return water to Arvin under the Exchange Program to the extent that Westside member supplies of annual CVP contract water are utilized as return supplies to Arvin. Westside's member landowners have the ability to annually apply for and receive a pro rata share of Westlands' CVP allocation and to participate in Westlands' Supplemental Water Program. See Appendix A for a more detailed breakdown of allotments by Westside's member landowners. Westlands contract supplies will only be utilized up to the quantity of supplies brought into Westlands for use on Westside member lands under the terms of the Exchange Program.

The Proposed Action would occur on mutually agreeable schedules of Reclamation, Westside, Arvin, and the Recipient Water Districts. Additionally, prior to the delivery of water into the Cross Valley Canal, appropriate coordination and approvals must take place with Kern County Water Agency.

2.2.1 Environmental Commitments

Arvin, Westside, Westlands, and Reclamation must implement the following environmental protection measures to reduce environmental consequences associated with the Proposed Action (Table 2-1). Environmental consequences for resource areas assume the measures specified would be fully implemented. Copies of all reports would be submitted to Reclamation.

Reclamation's South-Central California Area Office has initiated an Environmental Commitment Program in order to implement, track and evaluate the environmental commitments developed for the Proposed Action.

Table 2-1 Environmental Protection Measures and Commitments

Resource	Protection Measure
General	Use of the water would comply with all federal, state, local, and tribal law, and requirements imposed for protection of the environment and Indian Trust Assets.
Land	The approval letter for the Proposed Action (agreed to by Reclamation, Arvin, and Westside) will require that no land conversions within Arvin's service area and Westside land holdings would occur as a result of the Proposed Action. If land conversions related to this action are proposed subsequent to the Proposed Action, separate environmental review and analysis will be required.
Land / Water	Neither water delivered to Westside or returned to Arvin would be used to place untilled or new lands into production in either Arvin or Westside or cause current agricultural lands to be fallowed.
Land / Water	The water delivered to Arvin and Westside would be used for beneficial purposes and in accordance with Federal Reclamation law and guidelines, as applicable.
Land / Water	The water would be used within the CVP and Friant permitted place of use.
Water	The delivery and return of Arvin's water would occur with the approval of the respective agencies governing and/or managing said water infrastructure and would not impact the Friant-Kern Canal, California Aqueduct, San Luis Canal, and Cross Valley Canal; nor interfere with their respective ability to deliver water under normal operations and said deliveries will conform to the delivery and operation policies for all facilities.

Section 3 Affected Environment and Environmental Consequences

This section identifies the potentially affected environment and the environmental consequences involved with the Proposed Action and the No Action Alternative, in addition to environmental trends and conditions that currently exist.

3.1 Resources Eliminated from Further Analysis

Reclamation analyzed the affected environment and rapidly determined that neither Proposed Action nor the No Action Alternative have the potential to cause direct, indirect, or cumulative effects to the resources listed in Table 3-1. For that reason, those resources will not be analyzed further in this document.

Table 3-1 Resources Eliminated from Further Analysis

Resource	Reason Eliminated
Cultural Resources	There would be no modification of CVP storage or conveyance facilities and no activities that would result in ground disturbance under the Proposed Action or No Action Alternative. On May 24, 2013, Reclamation's Mid-Pacific Region, Cultural Resources Branch, determined that the Proposed Action and No Action Alternative involve the type of activity that has no potential to cause effects on historic properties, pursuant to 36 CFR Part 800.3(a)(1) (Appendix B).
Indian Sacred Sites	No impact to Indian Sacred Sites would occur under the No Action alternative as conditions would remain the same as existing conditions. The Proposed Action would not 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. There would be no impacts to Indian Sacred Sites as a result of the Proposed Action.
Indian Trusts Assets	No impact to Indian Trust Assets would occur under the No Action Alternative as conditions would remain the same as existing conditions. Reclamation determined on May 24, 2013 that the Proposed Action would not impact Indian Trust Assets as there are none in the Proposed Action area (Appendix C).
Environmental Justice	No impact to minority or low-income populations would occur under the No Action Alternative as conditions would remain the same as existing conditions. The Proposed Action does not propose any features that would result in adverse human health or environmental effects, have any physical effects on minority or low-income populations, and/or alter socioeconomic conditions of populations that reside or work in the vicinity of the Proposed Action.
Air Quality	There would be no impacts to air quality under the No Action alternative as conditions would remain the same as existing conditions. No construction or modification of facilities would be needed under the Proposed Action. CVP water would be moved either via gravity or electric pumps which would not produce emissions that impact air quality. Therefore, a conformity analysis is not required under the Clean Air Act and there would be no impact to air quality as a result of the Proposed Action.
Global Climate	Neither the Proposed Action nor the No Action alternative would involve physical changes to the environment or construction activities that could impact global climate change. Generating power plants that produce electricity to operate the electric pumps produce carbon dioxide that could potentially contribute to greenhouse gas emissions; however, water under the Proposed Action is water that would be delivered from existing facilities under either alternative and is therefore part of the existing conditions.

3.2 Water Resources

3.2.1 Affected Environment

Water Agencies

Westlands Water District Westlands provides water to over 570,000 acres of farmland between the California Coast Range and the trough of the San Joaquin Valley in western Fresno and Kings Counties. Westlands' CVP supply portfolio includes several contracts totaling up to 1,196,948 af and providing for delivery from the San Luis Canal or Mendota Pool. In addition to these CVP supplies, groundwater is also pumped within the district's boundaries. The district supplies groundwater to some district farmers and owns some groundwater wells, with the remaining wells privately owned by water users within the district. Other water supply sources periodically available to Westlands include transfers from CVP and SWP districts, Section 215 water, and occasional flood flows from the Kings River.

Westside Mutual Water Company Westside's water supplies in Westlands consist of the contracts of its member landowners in Westlands, which include the following:

- Paramount Farms International LLC;
- Paramount Farming Company Investments II, LLC;
- Papas Ranch, LLC.

These member landowners have the ability to annually apply for and receive a pro rata share of Westlands' CVP allocation and to participate in Westlands' Supplemental Water Program. See Appendix A for a more detailed breakdown of allotments by Westside's member landowners. Westlands contract supplies will only be utilized up to the quantity of supplies brought into Westlands for use on Westside member lands under the terms of the Exchange Program.

Conveyance Facilities

In addition to the existing facilities discussed in EA-11-039, the following facilities would be used to store and convey exchanged water to Westlands.

Delta-Mendota Canal The Delta-Mendota Canal, completed in 1951, carries water southeasterly from the Jones Pumping Plant along the west side of the San Joaquin Valley for irrigation supply, for use in the San Luis Unit, and to replace San Joaquin River water stored at Friant Dam and used in the Friant-Kern and Madera systems. The canal is about 117 miles long and terminates at the Mendota Pool, about 30 miles west of Fresno. The initial diversion capacity is 4,600 cubic feet per second, which is gradually decreased to 3,211 cubic feet per second at the terminus.

B.F. Sisk Dam and San Luis Reservoir The B.F. Sisk Dam impounds up to 2 million acre-feet of water in San Luis Reservoir. The facility was built between 1963 and 1967 to provide supplemental irrigation, municipal, and industrial water storage for the CVP and the SWP. Water is lifted into the reservoir for storage by the Gianelli Pumping-Generating Plant from the California Aqueduct and from the Delta-Mendota Canal via O'Neill Forebay. B.F. Sisk Dam is

owned by the Bureau of Reclamation and operated by the California Department of Water Resources. Reservoir storage space is allotted 55 percent to SWP and 45 percent to CVP.

San Luis Canal The San Luis Canal is a joint federal/state facility. It is a concrete-lined canal with a capacity ranging from 8,350 to 13,100 cubic feet per second. The San Luis Canal is the federally-built and operated section of the California Aqueduct and extends 102.5 miles from the O'Neill Forebay, near Los Banos, in a southeasterly direction to a point west of Kettleman City. The first release of water from the O'Neill Forebay to the initial reach of the canal was on April 13, 1967. The 138-foot-wide channel is 36 feet deep, 40 feet wide at the bottom, and lined with concrete. It was the biggest earth-moving project in Reclamation history. Capacity in the SLC is restricted by the physical limitations of the canal, pumping limits of the Banks Pumping Plant, and releases from San Luis Reservoir (Reclamation, 2012).

3.2.2 Environmental Consequences

No Action

Under the No Action Alternative, Westside's member lands in Westlands would not be added as potential recipients under the Exchange Program. Westside could still exchange water as described in EA-11-039; however their customers in Westlands would not be able to benefit from the Exchange Program. The member lands would remain susceptible to the effects of dry conditions as a result.

Proposed Action

Under the Proposed Action, Westside's member lands in Westlands would be added as potential recipients and suppliers under the Exchange Program. Westside and Arvin would have more flexibility to manage their water resources; additionally they could still exchange water as described in EA-11-039. Neither Westside nor Arvin would experience a net gain or loss in their respective water supplies over the term of the Exchange Program, since the exchange would be "bucket for bucket" over the five-year contract period. Since the agreement would only allow transfers on an "as available and feasible" basis, both entities would still have sufficient water resources to provide to their agricultural customers. Westside intends to use only surface water to return water to Arvin, which could then be used for direct delivery for irrigation and/or additional groundwater banking in Arvin's existing recharge facilities. With the ability to regulate its water supplies by controlling the timing of delivery, the Proposed Action would provide Arvin with surface water reliability and may decrease reliance on groundwater pumping by Arvin and its landowners during drought years.

With use of the environmental commitments listed in Table 2-1, the Proposed Action would not interfere with the normal operations of any district involved with the exchange, nor would it impede any SWP or CVP obligations to deliver water to other contractors or to local fish and wildlife habitat. Arvin has conveyance and/or storage capacity under various contracts and/or exchange programs in the Delta-Mendota Canal, San Luis Canal, San Luis Reservoir, Friant-Kern Canal, Cross-Valley Canal, Kern River, and California Aqueduct and would operate the exchange within those rights and capacities. There would not be a measurable direct effect on groundwater resources; however, there would be slight beneficial effects to surface water supply reliability, since water management as a result of the Proposed Action would be improved in critical times of shortage for both entities.

Cumulative Impacts

There would be no net gain or loss to districts' surface water or groundwater supplies since the exchange would be "bucket for bucket" after considering minor conveyance losses, if any. Groundwater pumping would not increase, but may decrease as a result of the Proposed Action. Utilization of existing conveyance facilities would require coordination with the appropriate oversight agency to insure that the scheduling of the Proposed Action would not hinder the normal operations of those facilities. There would be beneficial effects to the balancing of water supplies of both Arvin and Westside by managing supplies temporally between the two entities. Considering the above, there would be no contribution to cumulative impacts to water resources.

3.3 Land Use

3.3.1 Affected Environment

Westside's member lands in Westlands include 1,588 acres of pistachio orchards planted on prime farmland, and a processing facility (Appendix A).

3.3.2 Environmental Consequences

No Action

Under the No Action alternative, Westside would have fewer options to manage their diverse water resources. In dry years, the permanent crops (orchards) could suffer decreased yield, or even crop failure (tree death).

Proposed Action

Under the Proposed Action, Westside would have more flexibility to manage their diverse water resources. In dry years, the permanent crops (orchards) could avoid decreased yield. The productivity of prime farmland could be maintained.

Cumulative Impacts

There would be slightly beneficial cumulative impacts to land use under the Proposed Action. The existing orchards and processing facility would remain in place. In dry years, the permanent crops could avoid possible losses, thereby preventing further ground disturbance and maintaining the ongoing productivity of prime farmland beyond the term of the Proposed Action.

3.4 Biological Resources

3.4.1 Affected Environment

A list of federally listed or proposed species and critical habitat was obtained for the USGS 7.5 minute quadrangles at http://www.fws.gov/sacramento/es_species/Lists/es_species_lists-form.cfm that underlie the Westside lands in Westlands (Gujarral Hills, Avenal, Harris Ranch, and Domengine Ranch). Please see Table 3-2 below for the list. The western burrowing owl and Swainson's hawk, both protected by the Migratory Bird Treaty Act, may also use the area.

Table 3-2 Federally listed species that could potentially occur within the affected area.

<u>Species</u>	<u>Status</u>¹	<u>Effects</u>²	<u>Occurrence in the Study Area</u>
Amphibians			

<u>Species</u>	<u>Status</u> ¹	<u>Effects</u> ²	<u>Occurrence in the Study Area</u>
California red-legged frog (<i>Rana draytonii</i>)	FT, X	NE	Absent. No individuals or habitat in Proposed Action area.
California tiger salamander (<i>Ambystoma californiense</i>)	FT, X, ST	NE	Absent. No land use change as a result of the Proposed Action.
mountain yellow-legged frog (<i>Rana muscosa</i>)	FC, SC	NE	Absent. No individuals or habitat in Proposed Action area.
Birds			
California condor (<i>Gymnogyps californianus</i>)	FE, X, SE	NE	Absent. No individuals or habitat in Proposed Action area.
Fish			
delta smelt (<i>Hypomesus transpacificus</i>)	FT, SE	NE	Absent. Proposed Action Area does not include the Sacramento-San Joaquin Delta
Invertebrates			
valley elderberry longhorn beetle (<i>Desmocerus californicus dimorphus</i>)	FT	NE	Absent. No individuals or habitat in Proposed Action area, but elderberry shrubs may occur there.
vernal pool fairy shrimp (<i>Branchinecta lynchi</i>)	FT, X	NE	Absent. No individuals or habitat in Proposed Action area.
Mammals			
Fresno kangaroo rat (<i>Dipodomys nitratoideis exilis</i>)	FE, SE	NE	Absent. No individuals or habitat in Proposed Action area.
giant kangaroo rat (<i>Dipodomys ingens</i>)	FE, SE	NE	Absent. No individuals or habitat in Proposed Action area.
San Joaquin kit fox (<i>Vulpes macrotis mutica</i>)	FE, ST	NE	Possible. San Joaquin kit foxes can use agricultural fields for foraging when more natural lands are occupied nearby. No construction of new facilities; no conversion of lands from existing uses.
Plants			
California jewelflower (<i>Caulanthus californicus</i>)	FE, SE	NE	Absent. No individuals or habitat in Proposed Action area.
San Joaquin woollythreads (<i>Monolopia congdonii</i>)	FE	NE	Absent. No individuals or habitat in Proposed Action area.
Reptiles			
blunt-nosed leopard lizard (<i>Gambelia sila</i>)	FE, SE	NE	Absent. No individuals or habitat in Proposed Action area.
giant garter snake (<i>Thamnophis gigas</i>)	FT, ST	NE	Absent. No individuals or habitat in Proposed Action area.
¹ FE: Federally endangered; FT: Federally threatened; FC: Federal candidate for listing; X: designated critical habitat; SE: State endangered; ST: State threatened			
² NE: no effect on species or critical habitat			

3.4.2 Environmental Consequences

No Action

Under the No Action Alternative, there would be no impact to biological resources, as described in EA-11-039.

Proposed Action

Under the Proposed Action, there would be no impact to biological resources. Although the western burrowing owl, Swainson's hawk, and San Joaquin kit fox may use the area, the exchanges would be one-for-one with no land use change, no construction and no new diversions of water.

Cumulative Impacts

As the Proposed Action would not result in any direct or indirect impacts to biological resources, it would not contribute cumulatively to any impacts.

3.5 Socioeconomic Resources**3.5.1 Affected Environment**

The agricultural industry significantly contributes to the overall economic stability of the San Joaquin Valley. The CVP allocations each year allow farmers to plan for the types of crops to grow and to secure loans to purchase supplies. Depending upon the variable hydrologic and economic conditions, water transfers and exchanges could be prompted.

As described in subsection 3.3, the lands to be included in the Exchange Program consist of prime farmlands that are planted with pistachios, and a processing facility.

3.5.2 Environmental Consequences***No Action***

Under the No Action Alternative, conditions would remain the same. In dry years, the permanent crops (orchards) could suffer decreased yield, or even crop failure (tree death), causing economic losses.

Proposed Action

Under the Proposed Action, Westside would have more flexibility to manage their diverse water resources. In dry years, permanent crops (orchards) could avoid failure or decreased yield, preventing losses to capital investment in permanent crops and facilities. The productivity of the prime farmland would be maintained, and the processing facility could continue operations, providing employment opportunities. Compared to the No Action Alternative, the Proposed Action would provide a slight benefit to socioeconomic conditions in the area.

Cumulative Impacts

Since the Proposed Action would result in slightly beneficial socioeconomic impacts, it would provide slightly beneficial impacts when combined with the results of any past, present, or reasonably foreseeable actions.

Section 4 Consultation and Coordination

4.1 Endangered Species Act (16 U.S.C. § 1531 et seq.)

Section 7 of the Endangered Species Act requires federal agencies, in consultation with the Secretary of the Interior and/or Commerce, to ensure that their actions do not jeopardize the continued existence of endangered or threatened species, or result in the destruction or adverse modification of the critical habitat of these species.

Reclamation has determined that the Proposed Action would not affect any federally listed or proposed species or critical habitat. Therefore, consultation is not required.

4.2 Migratory Bird Treaty Act (16 U.S.C. § 703 et seq.)

The MBTA implements various treaties and conventions between the United States and Canada, Japan, Mexico and the former Soviet Union for the protection of migratory birds. Unless permitted by regulations, the Act provides that it is unlawful to pursue, hunt, take, capture or kill; attempt to take, capture or kill; possess, offer to or sell, barter, purchase, deliver or cause to be shipped, exported, imported, transported, carried or received any migratory bird, part, nest, egg or product, manufactured or not. Subject to limitations in the Act, the Secretary of the Interior may adopt regulations determining the extent to which, if at all, hunting, taking, capturing, killing, possessing, selling, purchasing, shipping, transporting or exporting of any migratory bird, part, nest or egg will be allowed, having regard for temperature zones, distribution, abundance, economic value, breeding habits and migratory flight patterns.

The Proposed Action would have no take of migratory birds.

Section 5 Preparers and Reviewers

Nicholas Kilb, Natural Resources Specialist, SCCAO
 Shauna McDonald, Wildlife Biologist, SCCAO
 Chuck Siek, Supervisory Natural Resources Specialist - reviewer
 William Soule, Archaeologist, MP-153
 Patricia Rivera, Native American Affairs Specialist, MP-400

Section 6 Acronyms and Abbreviations

Arvin	Arvin-Edison Water Storage District
CVP	Central Valley Project
EA	Environmental Assessment
FONSI	Finding of No Significant Impact
Recipient Water District	A Water District that receives exchanged water from Arvin for use on Westside member lands, as outlined in EA/FONSI-11-039
Reclamation	Bureau of Reclamation
Supplier Water District	A Water District from which Westside member water supplies are delivered as exchange water to Arvin, as outlined in EA/FONSI-11-039
SWP	California State Water Project
Westside	Westside Mutual Water Company
Westlands	Westlands Water District

Section 7 References

Bureau of Reclamation (Reclamation). 2011. EA/FONSI-11-039: Arvin Edison Water Storage District/ Westside Mutual Water Company Exchange (2011-2016). Reclamation: Fresno, CA.

U.S. Fish and Wildlife Service (Service). 2013. Species List

Appendix A Westside Mutual Water Company Member Lands and Water Supplies in Westlands Water District

Land Use and Acreage Summary Table - Additions

<u>Recipient Water District</u>	<u>Westside Member Landowners</u>	<u>Parcel</u>	<u>Land Use</u>	<u>Crop Type</u>	<u>Net Acres</u>
Westlands					1,588.04
	Paramount Farms International	073-090-04S	M&I	NA, Processing	
	Paramount Farms International	073-090-32S	M&I	NA, Processing	
	Paramount Farming Company Investments II LLC	073-070-22S	Irrigated Agriculture	Pistachios	58.50
	Paramount Farming Company Investments II LLC	073-070-24S	Irrigated Agriculture	Pistachios	94.98
	Paramount Farming Company Investments II LLC	085-030-18S	Irrigated Agriculture	Pistachios	285.95
	Paramount Farming Company Investments II LLC	085-320-26S	Irrigated Agriculture	Pistachios	160.61
	Papas Ranch LLC	065-020-10	Irrigated Agriculture	Pistachios	76.00
	Papas Ranch LLC	065-020-11	Irrigated Agriculture	Pistachios	152.00
	Papas Ranch LLC	065-020-12S	Irrigated Agriculture	Pistachios	608.00
	Papas Ranch LLC	065-030-11S	Irrigated Agriculture	Pistachios	152.00

Westside Member Water Supplies - Additions for Lands in Westlands

<u>Westside Member</u>	<u>Priority I Irrigated Acreage</u> <u>Maximum Allocation (af):</u> <u>2.55/Irrigated Acre</u>	<u>Priority II Irrigated Acreage</u> <u>Maximum Allocation (af):</u> <u>2.55/Irrigated Acre</u>	<u>Priority III Irrigated Acreage Available for District Allocation</u> <u>Base Allocation (af):</u> <u>0/Irrigated Acre, until all PI and PII demand is met</u>	<u>Westside Member Contract/Allocated Quantity (af)</u>	<u>Other Supplies Available to this Westside Member</u>
Paramount Farms International	District supply will not be used (this is an M&I supply)			NA	NA
Paramount Farming Company Investments II LLC	0	313	271	Variable depending on Allocation	CVP Section 215
Papas Ranch LLC	0	1010	0	Variable depending on Allocation	CVP Section 215
Total	0	1323	271		

Appendix B Cultural Resources Determination



United States Department of the Interior

BUREAU OF RECLAMATION
Mid-Pacific Regional Office
2800 Cottage Way
Sacramento, California 95825-1898

IN REPLY
REFER TO:
MP-153
ENV-3.00

VIA ELECTRONIC MAIL ONLY

May 24, 2013
MEMORANDUM

To: Nicholas Kilb
Natural Resource Specialist – South-Central California Area Office

From: William Soule
Archaeologist – Division of Environmental Affairs

Subject: 13-SCAO-187: Additional of Westlands Water District (WWD) to the Arvin-Edison Water District (AEWD) and Westside Mutual Water Company (WMWC) Exchange Program

This proposed undertaking by Reclamation is to permit WWD, through a Supplemental EA, to add their member lands and water supplies to the existing Arvin-Edison Water Storage District/Westside Mutual Water Company Exchange Program (2011-2016) that was the subject of EA-11-039 and a Finding of No Significant Impact (FONSI) signed by Reclamation in November 2011. This is the type of undertaking that does not have the potential to cause effects to historic properties, should such properties be present, pursuant to the National Historic Preservation Act Section 106 regulations codified at 36 CFR Part 800.3(a)(1). Reclamation has no further obligations under NHPA Section 106, pursuant to 36 CFR § 800.3(a)(1).

Due to the purchase of land in WWD by WMWC customers, ARWD and WMWC desire to supplement the existing EA-11-039 to allow for exchanges of water from WMWC supplies allocated to them in WWD with AEWD supplies. The scope of this Supplemental EA is the same as that covered in EA-11-039, except for the addition of WWD as a recipient water district. The exchange program will be in effect from June 2013 through February 29, 2016 or 50,000 acre-feet, whichever comes first. There is no ground disturbance, construction of new facilities, or change in land use associated with this proposed action.

After reviewing the materials provided for the Section 106 determination of effect for this undertaking, I concur with an assessment in the Supplemental EA (SEA-12-030) which states that this action has no potential to cause effect on historic properties, assuming that such properties were present, pursuant to 36 CFR § 800.3(a)(1). This memorandum is intended to convey the completion of the NHPA Section 106 process for this undertaking. Please retain a copy in the administrative record for this action. Should changes be made to this project, additional NHPA Section 106 review, possibly including consultation with the State Historic Preservation Officer, may be necessary. Thank you for providing the opportunity to comment.

CC: Cultural Resources Branch (MP-153), Anastasia Leigh – Regional Environmental Officer (MP-150)

Appendix C Indian Trust Assets Determination



Kilb, Nicholas <nkilb@usbr.gov>

Request for Determinations: Addition of Westlands Water District to the Arvin-Edison Water District and Westside Mutual Water Company Exchange Program (supplementing 11-039)

RIVERA, PATRICIA <privera@usbr.gov>

Fri, May 24, 2013 at 7:24 AM

To: "Kilb, Nicholas" <nkilb@usbr.gov>

Cc: Mary Williams <marywilliams@usbr.gov>, Kristi Seabrook <kseabrook@usbr.gov>

Nick,

I reviewed the proposed action to approve the addition of Westlands Water District (Westlands) as a Recipient Water District in a series of exchanges (Exchange Program) between Arvin-Edison Water Storage District (Arvin) and Westside Mutual Water Company (Westside). The amount of water delivered may vary according to Westside and Arvin's needs and available conveyance capacities. The Exchange Program would be in effect from June 2013 through February 29, 2016 or 50,000 AF, whichever comes first.

As previously analyzed and approved, Arvin's supplies would include but are not limited to Class 1, Class 2, Uncontrolled Season, Section 215 Water (flood flows unable to be stored behind Friant Dam), and Recaptured and Recirculated (R/R) water (all collectively referred to as CVP water). Up to 50,000 af of Arvin's supplies would be delivered to Westside member lands. In exchange for Arvin's CVP water, Westside would deliver their water supplies to Arvin on a variable, as-needed and available basis, on a 1 for 1 or "bucket for bucket" basis up to 50,000 af. Westside's supplies would be a combination their SWP water supply, CVP Section 215 water, Kern River water, City of Bakersfield Surplus Kern River water, Westlands CVP allocation, or other purchases of CVP water.

Westside's "Recipient Water Districts" would be updated to include Westlands. The points of delivery to Westlands would include San Luis Canal turnouts 113.00 and 115.43. The previously analyzed points of delivery on the Friant-Kern Canal, California Aqueduct, and Cross Valley Canal for the delivery of CVP water from Arvin to Westside would remain as described in EA-11-039.

The Proposed Action would occur on mutually agreeable schedules of Reclamation, Westside, Arvin, and the Recipient Water Districts. Additionally, prior to the delivery of water into the Cross Valley Canal, appropriate coordination and approvals must take place with Kern County Water Agency.

The proposed action does not have a potential to affect Indian Trust Assets.

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KRISTI this is admin