

California Environmental Protection Agency

State Water Resources Control Board

DIVISION OF WATER RIGHTS

P.O. Box 2000, Sacramento, CA 95812-2000

Info: (916) 341-5300, FAX: (916) 341-5400, Web: http://www.waterrights.ca.gov

ENVIRONMENTAL INFORMATION FOR PETITIONS

Permits 8511, 11357, and 15000 (Applications 11587, 12179, 21471B)

Petition for Change

Petition for Extension of Time

Petition for Redistribution of Storage

Before the State Water Resources Control Board (SWRCB) can approve a petition to change your water right permit or a petition for extension of time to complete use, the SWRCB must consider the information contained in an environmental document prepared in compliance with the California Environmental Quality Act (CEQA). This form is not a CEQA document. If a CEQA document has not yet been prepared, a determination must be made of who is responsible for its preparation. As the petitioner, you are responsible for all costs associated with the environmental evaluation and preparation of the required CEQA documents. Please answer the following questions to the best of your ability and submit any studies that have been conducted regarding the environmental evaluation of your project. If you need more space to completely answer the questions, please number and attach additional sheets.

1. DESCRIPTION OF PROPOSED CHANGES OR WORK REMAINING TO BE COMPLETED

For a petition to change, provide a description of the proposed changes to your project including, but not limited to, type of construction activity, structures existing or to be built, area to be graded or excavated, increase in water diversion and use (up to the amount authorized by the permit), changes in land use, and project operational changes, including changes in how the water will be used. For a petition for extension of time, provide a description of what work has been completed and what remains to be done. Include in your description any of the above elements that will occur during the requested extension period.

Multiple horizontal lines for providing a description of proposed changes or work remaining to be completed.

See Attachment No. 1

ENVIRONMENTAL INFORMATION FOR PETITIONS

2. COUNTY PERMITS

a. Contact your county planning or public works department and provide the following information:

Person contacted: _____ Date of contact: _____

Department: _____ Telephone: (_____) _____

County Zoning Designation: _____

Are any county permits required for your project? YES NO If YES, check appropriate box below:

- Grading permit Use permit Watercourse Obstruction permit Change of zoning
 General plan change Other (explain): _____

b. Have you obtained any of the required permits described above? YES NO

If YES, provide a complete copy of each permit obtained.

See Attachment No. 2 _____

3. STATE/FEDERAL PERMITS AND REQUIREMENTS

a. Check any additional state or federal permits required for your project:

- Federal Energy Regulatory Commission U.S. Forest Service Bureau of Land Management
 Soil Conservation Service Dept. of Water Resources (Div. of Safety of Dams) Reclamation Board
 Coastal Commission State Lands Commission Other (specify) _____

b. For each agency from which a permit is required, provide the following information:

AGENCY	PERMIT TYPE	PERSON(S) CONTACTED	CONTACT DATE	TELEPHONE NO.

See Attachment No. 2 _____

c. Does your proposed project involve any construction or grading-related activity that has significantly altered or would significantly alter the bed or bank of any stream or lake? YES NO

If YES, explain: Rehabilitation and modification of the existing diversion structure at POD #1 will require

construction work within the Santa Margarita River channel.

See Attachment No. _____

ENVIRONMENTAL INFORMATION FOR PETITIONS

- d. Have you contacted the California Department of Fish and Game concerning your project? YES NO
If YES, name and telephone number of contact: South Coast Region (909) 467-4201

4. ENVIRONMENTAL DOCUMENTS

- a. Has any California public agency prepared an environmental document for your project? YES NO
If YES, submit a copy of the latest environmental document(s) prepared, including a copy of the notice of determination adopted by the California public agency. Public agency: _____
- b. If NO, check the appropriate box and explain below, if necessary:
- The petitioner is a California public agency and will be preparing the environmental document.*
 - I expect that the SWRCB will be preparing the environmental document.**
 - I expect that a California public agency other than the State Water Resources Control Board will be preparing the environmental document.* Public agency: Fallbrook Public Utility District in conjunction with U.S.

Bureau of Reclamation

See Attachment No. _____

* Note: When completed, submit a copy of the final environmental document (including notice of determination) or notice of exemption to the SWRCB, Division of Water Rights. Processing of your petition cannot proceed until these documents are submitted.

** Note: CEQA requires that the SWRCB, as Lead Agency, prepare the environmental document. The information contained in the environmental document must be developed by the petitioner and at the petitioner's expense under the direction of the SWRCB, Division of Water Rights.

5. WASTE/WASTEWATER

- a. Will your project, during construction or operation, (1) generate waste or wastewater containing such things as sewage, industrial chemicals, metals, or agricultural chemicals, or (2) cause erosion, turbidity or sedimentation? YES NO
If YES, or you are unsure of your answer, explain below and contact your local Regional Water Quality Control Board for the following information (See instruction booklet for address and telephone no.):

See Attachment No. 3

- b. Will a waste discharge permit be required for your project? YES NO
Person contacted: _____ Date of contact: _____
- c. What method of treatment and disposal will be used? _____

See Attachment No. 3

6. ARCHEOLOGY

- a. Have any archeological reports been prepared on this project? YES NO
- b. Will you be preparing an archeological report to satisfy another public agency? YES NO
- c. Do you know of any archeological or historic sites located within the general project area? YES NO

ENVIRONMENTAL INFORMATION FOR PETITIONS

If YES, explain: The results of cultural resource evaluations will be disclosed in the draft EIS/EIR.

See Attachment No. _____

7. ENVIRONMENTAL SETTING

Attach **three complete sets of color photographs**, clearly dated and labeled, showing the vegetation that exists at the below-listed three locations. For time extension petitions, the photographs should document only those areas of the project that will be impacted during the requested extension period.

- Along the stream channel immediately downstream from the proposed point(s) of diversion.
- Along the stream channel immediately upstream from the proposed point(s) of diversion.
- At the place(s) where the water is to be used.

8. CERTIFICATION

I hereby certify that the statements I have furnished above and in the attachments are complete to the best of my ability and that the facts, statements, and information presented are true and correct to the best of my knowledge.

Date: _____

1/22/2010

Signature: _____

William J. Steele

William Steele, Area Manager
U.S. Bureau of Reclamation

**Attachments to Environmental Information Form to Accompany
Petitions for Change and Petitions for Redistribution of Storage**

**Permit 8511 (Application 11587) and Permit 11357 (Application 12179) of
U.S. Bureau of Reclamation (Fallbrook Public Utility District)**

**Permit 15000 (Application 21471B) of
U.S. Bureau of Reclamation (Camp Pendleton Naval Enclave)**

ATTACHMENT #1 – DESCRIPTION OF PROPOSED CHANGES

The Permittee is filing Petitions for Change and Petitions for Redistribution of Storage for Permits 8511, 11357, and 15000 to conform these entitlements to the operations proposed for the Santa Margarita River Conjunctive Use Project (CUP). Fundamentally, these Petitions seek to abandon the currently permitted construction of two large on-stream storage reservoirs, and instead allow direct diversion, diversion to (and extraction from) underground storage, and diversion to off-stream storage. The Petitions also seek to unify the places and purposes of use among the three permits to facilitate operation of the CUP for the benefit of Camp Pendleton Naval Enclave (Camp Pendleton) and Fallbrook Public Utility District (FPUD), as well as allow for future exchanges of water with the San Diego County Water Authority (SDCWA).

Change in Points of Diversion, Rediversion and Storage

The Petitions for Permits 8511 and 11357 propose to move the point of diversion from the site of the proposed Fallbrook Dam to the location of the existing Santa Margarita River diversion facility, identified as proposed Point of Diversion 1 (POD 1) on the map accompanying these Petitions, and presently used by Camp Pendleton to make diversions of water under License 10494 (Application 21471), riparian rights, and pre-1914 water right. The Petition for Permit 15000 proposes to move the point of diversion from the site of the proposed De Luz Dam to POD 1. All three petitions propose the following:

- Add the existing Lake O’Neill (Point 2) as a point of rediversion and storage for water diverted at POD 1;
- Identify the upstream and downstream limits of groundwater sub-basins to be used for underground storage of water diverted and infiltrated from the Santa Margarita River;
- Add four shallow-aquifer “gallery wells” (Points 3 through 6) as points of direct diversion;
- Add 25 existing and proposed production wells as points of diversion, rediversion and withdrawal from underground storage.

All of the Petitions seek to divert surface flows from Santa Margarita River at POD 1 for diversion to underground storage in the Santa Margarita River underground basin (comprised of three sub-basins discussed later herein), and diversion to offstream storage in Camp Pendleton's existing O'Neill Lake. Water diverted from the River will be percolated to underground storage in the basin by way of existing percolation ponds located on Camp Pendleton, which will be rehabilitated as part of this project. Such percolation will enhance naturally occurring infiltration from the River channel to the Basin. Diversions from the River to offstream storage at O'Neill Lake are currently allowed under Camp Pendleton's pre-1914 water right and are used for military training, recreation, and subsequent groundwater recharge and use. These Petitions seek to refill O'Neill Lake subsequent to withdrawal of pre-1914 water from O'Neill Lake for groundwater recharge. Water placed into underground storage will be withdrawn by any of 25 existing and proposed production wells situated within the Santa Margarita River groundwater basin.

Construction Activities

Construction activities and structures to be built include the following:

- Modification of the existing diversion structure on the Santa Margarita River and an associated diversion ditch to increase diversion capacity from 60 cfs to 200 cfs;
- Rehabilitation of existing groundwater recharge ponds located on Camp Pendleton property;
- Installation of 10 new groundwater production wells within the Upper Ysidora Sub-basin and the Chappo Sub-basin, and four gallery wells along the Santa Margarita River;
- Improvements to existing groundwater conveyance pipelines and installation of new conveyance pipelines associated with new groundwater wells and gallery wells;
- Construction of an advanced water treatment plant (AWTP) and associated brine/backwash discharge pipeline;
- Construction of pumping plants and a bi-directional pipeline for conveyance of treated water from the AWTP to FPUD, and future conveyance of treated water supplies imported from SDCWA to Camp Pendleton;

Changes in Water Diversion and Use

The Permittee intends to change the method of diversion from diversion to storage in two proposed onstream reservoirs to direct diversion, diversion to underground storage, and diversion to offstream storage. No water has been diverted under Permits 8511, 11357, and 15000, however, water is presently diverted from the Santa Margarita River under vested rights, and the proposed project will result in increases in diversions from the River relative to present conditions as discussed below.

Present Operations

Camp Pendleton presently diverts water at an existing weir structure on the Santa Margarita River to underground storage pursuant to License 10494 and a pre-1914 water right. License 10494, which is not part of this petition action, allows for the diversion of up to 4,000 acre-feet to underground storage by way of percolation ponds and natural infiltration in the River during the season of October 1 to June 30 for subsequent extraction for military, domestic, municipal, and irrigation purposes. Although the rate of diversion is not specified in License 10494, the present capacity of the existing diversion structure and ditch is about 60 cfs. Camp Pendleton also diverts water from the Santa Margarita River to surface storage in the existing O'Neill Reservoir pursuant to an adjudicated pre-1914 right. Under the pre-1914 right Camp Pendleton is entitled to divert up to 1,200 acre-feet annually (plus carriage losses) at a rate of diversion of 20 cfs. The allowed uses are military training, recreation, and groundwater recharge. Accordingly, under the two existing storage rights Camp Pendleton is entitled to divert up to 5,200 acre-feet per year to surface and underground storage. Camp Pendleton may and does release water stored in O'Neill Lake, at controlled rates to percolation to the groundwater basin.

Camp Pendleton extracts water from the underground basin by way of existing wells. Camp Pendleton also directly diverts water under riparian rights for various beneficial uses within the Camp Pendleton Naval Enclave. During the period of 1979 to 2008 average production from the underground basin is estimated to have averaged about 5,900 acre-feet and the maximum annual production was about 7,200 acre-feet.

Proposed Operations

For the proposed CUP, Camp Pendleton's existing vested rights will be exercised in conjunction with the diversions and uses described in these petitions.

Rates of Diversion and Extraction - The diversion capacity at POD 1 for diversions to underground storage will be increased from 60 cfs to 200 cfs. The proposed gallery wells will each have a maximum capacity of 4.5 cfs, with the total directly diverted from these wells not to exceed 18 cfs. The existing and proposed production wells will each have a maximum capacity of 2.5 cfs, with the total rate of pumping not to exceed 26 cfs. The maximum combined rate of direct diversion and extraction for the four gallery wells and 25 production wells will not exceed 44 cfs.

Storage Amounts - Based on CUP modeling studies the maximum annual amounts diverted from the Santa Margarita River to storage are estimated to be about 19,500 acre-feet to underground storage (inclusive of amounts diverted to underground storage under Camp Pendleton's existing rights under License 10494), and 2,500 acre-feet to O'Neill Lake for subsequent release and percolation to underground storage, for a total of 22,000 acre-feet of surface water diverted and recharged. Together with induced infiltration of natural flow from the River channel into the groundwater basin the total amount accruing to underground in the maximum year is estimated to be 24,000 acre-feet. Including Camp Pendleton's diversions from the Santa Margarita River to Lake O'Neill, pursuant to its pre-1914 rights, the maximum annual amounts diverted to storage are estimated to be 25,200 acre-feet.

Production (Direct Diversion, Extractions from Underground Storage, and Beneficial Use) - The maximum annual subsurface water production, defined for purposes of the subject petitions as the combined direct diversions and extractions from underground storage for beneficial uses, is estimated to be 22,000 acre-feet, of which a maximum of 7,000 acre-feet would be from the gallery wells.

Maximum Potential Amount Taken from the Source - The maximum potential combined amount taken from the source in any one year under all of the subject Permits is 46,000 acre-feet, based full recharge of the underground basin (24,000 acre-feet) and the assumption that all production for beneficial use (22,000 acre-feet) is by direct diversion. An accounting of maximum potential diversion operations is shown in the attached Table 1.

Changes in Land Use

The permitted place of use under Permits 8511 and 11357 is described as 8,192 acres within the boundary of the Fallbrook Public Utility District (FPUD). The place of use under Permit 15000 is described as being within the boundary of the “Camp Pendleton Naval Enclave” within which irrigation of up to 5,600 acres is allowed. Under these petitions the place of use is more broadly defined as being within the boundaries of the Fallbrook Public Utility District and Camp Pendleton Naval Enclave. The CUP also proposes to deliver water diverted from the Santa Margarita River to the San Diego County Water Authority (SDCWA), which encompasses approximately the western half of San Diego County (including the service area of the FPUD and Camp Pendleton). Accordingly, these Petitions also seek to add all lands within the boundary of the SDCWA to the permitted places of use.

Changes in land use will occur as a result of some of the construction of facilities mentioned above. The nature and extent of land use changes will be addressed in detail in the Draft EIS/EIR presently being prepared by the Permittee. Apart from facilities construction, these Petitions are not expected to have a direct effect on changes to land use within the proposed place of use, all of which are subject to other regulatory jurisdictions for land use decisions.

Changes in Operations and Purposes of Use

Operationally, these petitions seek to change the presently allowed collection of water to surface storage in onstream reservoirs to the diversion of water, either directly or to underground/offstream storage, at defined rates. The CUP project proposes to manage the underground basin conjunctively for the benefit of Camp Pendleton and FPUD. The affects on surface water and groundwater hydrology are being evaluated and will be discussed in the Draft EIS/EIR.

The various purposes of use presently allowed by the respective permits are being made uniform among all three permits to facilitate comingling of water commensurate with a joint conjunctive use project. *Groundwater recharge* is being added to the purpose of use under each permit as a

necessary element in the conjunctive operation. *Recreation* and *Fish & Wildlife Enhancement* are being added to all of the permits to cover activities associated with O'Neill Lake.

Under historic conditions up to 3 cfs bypassed the existing sheet-pile diversion structure on the Santa Margarita River. The project description for the CUP project includes a bypass of all flow up to 3 cfs at the new diversion facility to be constructed at POD 1, prior to any diversions being made under these permits.

ATTACHMENT #2 – LOCAL, STATE AND FEDERAL PERMITS AND REQUIREMENTS

A Draft EIS/EIR is being prepared by the Permittee, and all required local, State and Federal permits and approvals will be disclosed therein. A preliminary list of permits, approvals, and consultations that may be required for the CUP is provided on the following two pages.

Law	Responsible Agency	Required Actions
Federal Laws		
National Environmental Policy Act (NEPA) (Council on Environmental Quality [CEQ] Regulations for Implementing the Procedural Provisions of NEPA, 40 Code of Federal Regulations (CFR) §§ 1500-1508, and NEPA of 1969, as amended, 42 United States Code (USC) § 4321, et seq.)	U.S. Department of the Navy (DON) U.S. Department of the Interior, Reclamation (Reclamation) (co-lead agencies)	Environmental Impact Statement (EIS).
Clean Water Act (CWA) Section 404 (33 USC § 1344)	U.S. Army Corps of Engineers (USACE)	Section 404 permit for discharges of dredged or fill material into waters of the U.S., including jurisdictional wetlands.
CWA Section 401 (33 USC § 1341)	California State Water Resources Control Board (SWRCB) San Diego Regional Water Quality Control Board (RWQCB)	Water Quality Certification or Waiver for work in wetlands or streams.
CWA Section 402 (33 USC §§ 1311, 1342)	San Diego RWQCB	National Pollution Discharge Elimination System (NPDES) Permit required for construction disturbance exceeding 1 acre and discharge of recycled water to water bodies which serve as municipal water supplies.
CWA Section 403 (33 USC § 1343)	San Diego RWQCB	NPDES Ocean Discharge Permit required for discharge of AWTP effluent (primarily brine and microfiltrate backwash)
DOD Ammunition and Explosives Safety Standards (C5.4.1.1.2)	DOD Explosive Safety Board	Approval for all projects within the Explosive Arcs on DET Fallbrook Lands.
Federal Endangered Species Act (ESA) (16 USC § 1531 et seq.)	U.S. Fish and Wildlife Service (USFWS) NMFS	Consultation regarding effects to listed species and critical habitat authorization to "take."
Fish and Wildlife Coordination Act (16 USC § 661 et seq.)	USFWS NMFS California Department of Fish and Game (CDFG)	Consultation or Fish and Wildlife Coordination Act Report.
Federal Executive Order (EO) 11990: Protection of Wetlands	USACE Reclamation	Requires federal agencies to follow avoidance/mitigation/preservation procedures before proposing new construction in wetlands.
National Historic Preservation Act (NHPA) Section 106 (16 USC § 470 et seq.)	State Historic Preservation Officer (SHPO) Native American Heritage Commission	Consultation; requires federal agencies, prior to approval of an undertaking, to consider the effects of an undertaking on historic properties.
NHPA Section 110 (16 USC § 470 et seq.)	SHPO Native American Heritage Commission	Consultation; requires federal agencies to establish a preservation program for the identification, evaluation, nomination to the National Register, and protection of historic properties.
Clean Air Act (CAA) - Authority to Construct and Permit to Operate	San Diego Air Quality Management District (AQMD)	Authority to Construct is a permit to construct or modify a facility that may emit air pollutants from a stationary source into the atmosphere. Permit to Operate is to operate said facility.
Federal EO 11988: Floodplain Management	DOD Reclamation	Requires federal agencies to take action to reduce the risk of flood loss and restore and preserve the values of floodplains.

Law	Responsible Agency	Required Actions
Marine Mammal Protection Act (MMPA) (16 USC § 1361 and 50 CFR § 216)	NMFS	Prohibits the “take” of marine mammal species or importation of marine mammal products.
Marine Protection, Research, and Sanctuaries Act (MPRSA) (33 USC § 1401)	U.S. Environmental Protection Agency (USEPA)	Restricts the dumping and transportation of materials into ocean waters.
EO 13112: Invasive Species	Invasive Species Council U.S. Department of Agriculture	Requires federal agencies to work to prevent and control the introduction and spread of invasive species.
EO 13045: Environmental Health and Safety Risks to Children	All federal agencies	Requires that relevant regulatory actions by all federal agencies include an evaluation of the environmental health or safety effects on children.
Secretary of the Interior Order 3215, Principles for the Discharge of the Secretary’s Trust Responsibility	U.S. Department of the Interior (USDI)	Provides guidance on defining the nature and extent of Indian trust assets by setting principles for the fulfillment of the trust responsibility.
USDI Manual, Part 303, DM 2, Principles for Managing Indian Trust Assets	USDI	Provide guidance for carrying out the Secretary of the Interior’s Indian trust responsibility.
Coastal Zone Management Act (CZMA) (16 USC § 1451 et seq.) and 15 CFR § 930; Federal Consistency with Approved Coastal Management Programs	California Coastal Commission (CCC)	Encourages states/tribes to preserve, protect, develop, and where possible, restore or enhance valuable natural coastal resources.
Native American Graves Protection and Repatriation Act (25 USC §§ 3001-3013)	Native American Graves Protection and Repatriation Review Committee	Consultation with appropriate Native American tribes.
State Laws		
California Environmental Quality Act (CEQA) (PRC Section 21000-21177) and CEQA Guidelines (CCR Sections 1500-15387)	Fallbrook Public Utility District (FPUD) (co-lead agency)	Environmental Impact Report (EIR).
State Fish and Game Code Section 1601	CDFG	Streambed Alteration Agreement (on non-federal property).
California Endangered Species Act (California Fish and Game Code Section 2081 et seq.)	CDFG	Addressed under NEPA. Non –federal actions require authorization/mitigation for impacts to state listed species.
California Coastal Act (CCA) (Public Resources Code Section 30000 et seq.)	CCC	Requires federal agency to obtain a coastal consistency determination.

ATTACHMENT #3 – WATER/WASTEWATER

Operations

An existing iron and manganese treatment system is currently in place at the Camp Pendleton to treat water extracted from the underground basin. As part of the CUP, an advanced water treatment plant (AWTP) will be constructed to treat and blend water to a TDS concentration of about 425 mg/l/. The process will result in an average daily waste stream (brackish water, brine) of about 3.5 cfs, which will be conveyed to an ocean outfall by a new brine conveyance pipeline, and discharged pursuant to a new or existing discharge permit.

Construction

Construction of the modifications to the existing diversion facility at POD 1 could cause erosion and turbidity within the Santa Margarita River. Potential impacts of construction, mitigation for any significant or potentially significant impacts, and all necessary permits and approvals required for construction work within the River channel will be discussed in the Draft EIR/EIS for the CUP.

TABLE 1
Santa Margarita River Conjunctive Use Project (CUP)
Estimated Maximum Annual Diversions based on Modeling Studies
for Maximum Annual Production for Beneficial Use of 22,000 acre-feet⁽¹⁾
(all values in acre-feet)

Diversions Operation	Vested Rights			Permits				Total Under Permits and Vested Rights	Notes
	CPEN (Pre-1914) ⁽²⁾	L010494 (A021471A)	Subtotal Vested Rights	P008511 (A011587)	P011357 (A012179)	P015000 (A021471B)	Max Under Permits		
		Individual rights are constrained by amount and season, therefore, rows and columns are not necessarily additive.							
Totals shown are in the aggregate.									
Diversions to Storage:									
Diversed to Surface Storage at O'Neill Lake	1,200	0	1,200	2,500	2,500	2,500	2,500	3,700	(3)
Diversed to Underground Storage	-	4,000	4,000	10,000	10,000	9,500	19,500	19,500	(4)
Subtotal Diversed to Storage	1,200	4,000	5,200	10,000	10,000	12,000	22,000	23,200	
Induced Infiltration to Underground Storage	-	700	700	2,000	2,000	2,000	2,000	2,000	(5)
Maximum Total to Storage (af)	1,200	4,000	5,200	10,000	10,000	14,000	24,000	25,200	
Direct Diversions:									
From Gallery and Production Wells	-	-	-	10,000	10,000	22,000	22,000	22,000	
Maximum Total Directly Diversed⁽⁴⁾	-	-	-	10,000	10,000	22,000	22,000	22,000	
Maximum Potential Combined Diversions to Storage and Direct Diversions:									
Diversed to Surface Storage at O'Neill Lake	1,200	0	1,200	2,500	2,500	2,500	2,500	3,700	(3)
Diversed to Underground Storage	-	4,000	4,000	10,000	10,000	9,500	19,500	19,500	(4)
Induced Infiltration to Underground Storage	-	700	700	2,000	2,000	2,000	2,000	2,000	(5)
Direct Diversions from Gallery Wells	-	-	-	7,000	7,000	7,000	7,000	7,000	
Direct Diversions from Production Wells	-	-	-	10,000	10,000	15,000	15,000	15,000	
Maximum Total Diversed⁽⁴⁾	1,200	4,000	5,200	10,000	10,000	36,000	46,000	47,200	(6)

- Notes:**
- (1) This table includes existing vested rights to accurately reflect how the CUP will operate. All of the water rights will be used in a coordinated manner by the project.
 - (2) "CPEN" refers to Camp Pendleton Naval Enclave.
 - (3) CPEN's pre-1914 right allows for the diversion of up to 1,200 acre-feet annually, plus carriage losses, into Lake O'Neill. Under CPEN's pre-1914 right, water may be released from storage for percolation into the Santa Margarita River underground basin. After CPEN's pre-1914 right is exercised, the total amount diverted to surface storage at Lake O'Neill under the CUP (2,500 acre-feet) may be released from storage for percolation into the Santa Margarita River underground basin.
 - (4) Amount diverted to Underground Storage under the CUP includes diverted Surface Storage.
 - (5) The amounts shown for induced infiltration to underground storage are modeled as follows:
 Infiltration = 7,800 under natural conditions, 8,500 under baseline conditions, and 15,500 under project conditions (including gallery wells).
 Induced infiltration under Baseline conditions = 8,500 - 7,800 = 700 af
 Induced infiltration under Project conditions = 15,500 - 7,800 = 7,700 (direct diversion in maximum model year) = 2,000 af, inclusive of Baseline.
 - (6) The maximum potential amount taken from the source under all Permits (46,000 acre-feet) is based full recharge of the underground basin (24,000 acre-feet) and the assumption that all production for beneficial use (22,000 acre-feet) is by direct diversion.

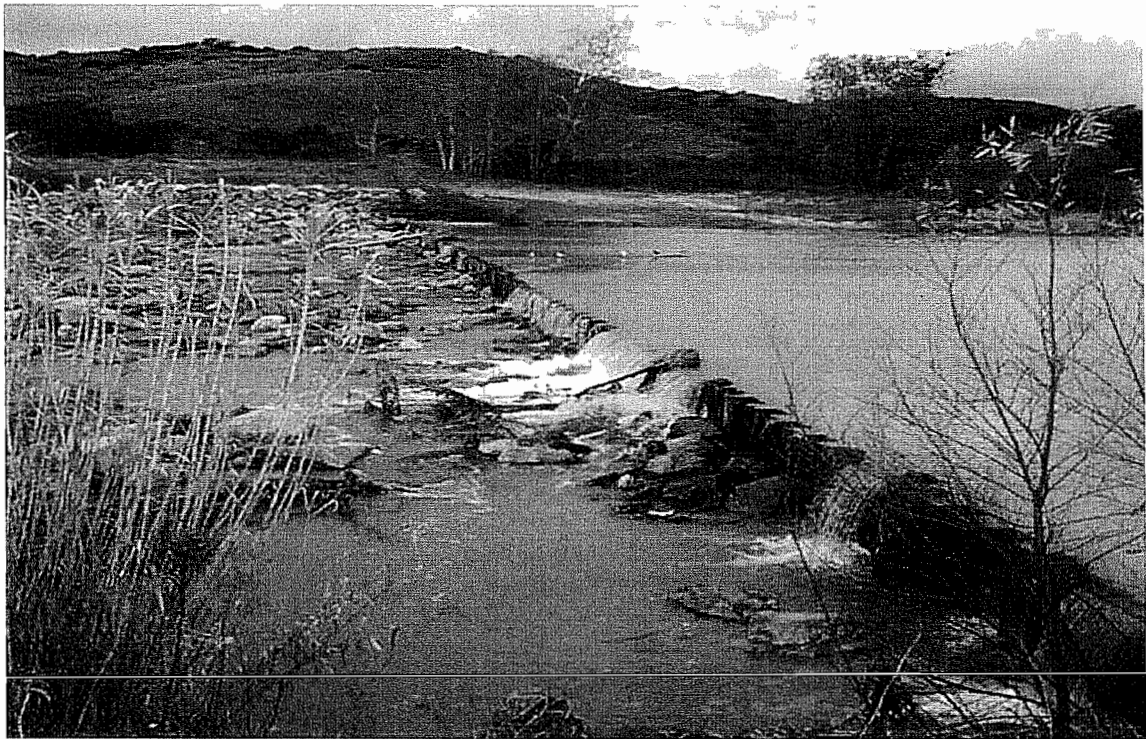
**Attachments to Environmental Information Form to Accompany
Petitions for Change and Petitions for Redistribution of Storage**

**Permit 8511 (Application 11587) and Permit 11357 (Application 12179) of
U.S. Bureau of Reclamation (Fallbrook Public Utility District)**

**Permit 15000 (Application 21471B) of
U.S. Bureau of Reclamation (Camp Pendleton Naval Enclave)**



Point of Diversion #1 and Typical Camp Pendleton Facilities



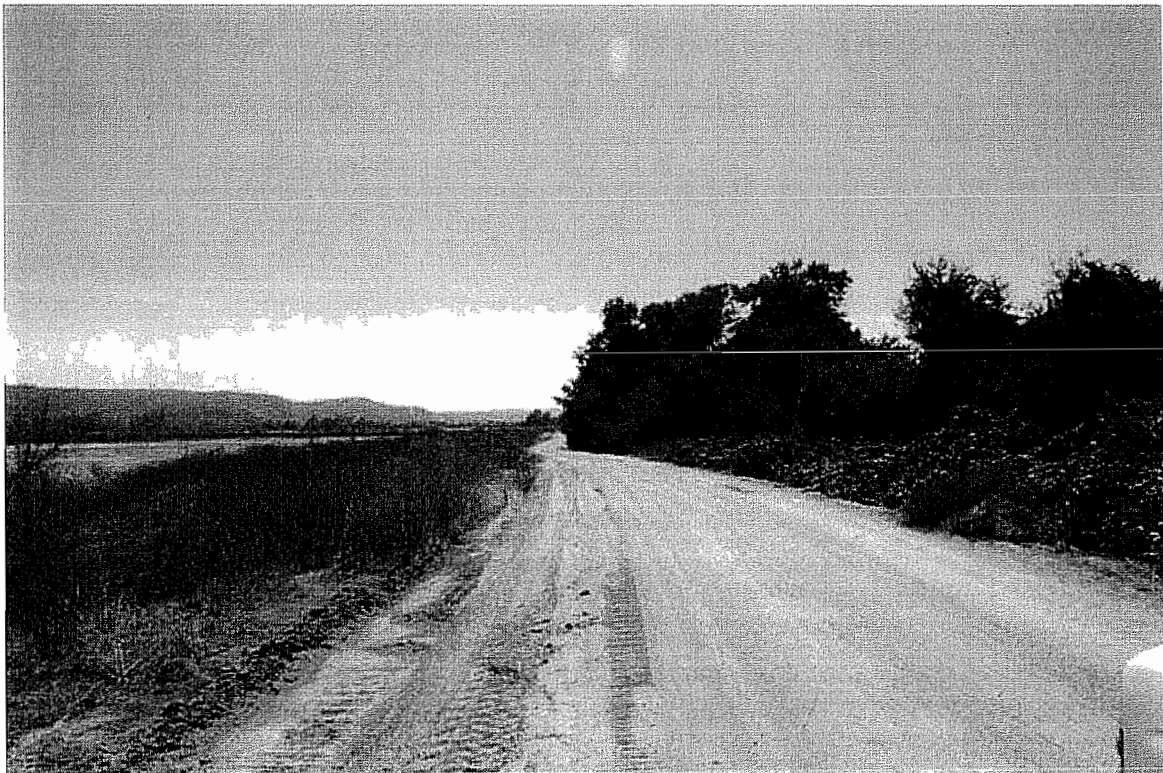
Point of Diversion #1



Point of Diversion #1 (Looking Downstream)



Point of Diversion #1 (Headgate to O'Neill Ditch)



Point of Diversion #2 (Gallery Well Field) - Typical



Point of Diversion #3 (Production Well Field) – Typical Well



Camp Pendleton – Typical Facilities



Fallbrook Public Utility District- Typical Place of Use



Recharge Ponds



Lake O'Neill