

NOTICE OF PETITION FOR EXTENSION OF TIME

APPLICATION: 30593      PERMIT: 20967      DATE FILED: December 18, 2006  
COUNTY: Fresno      STREAM SYSTEM: San Joaquin

Notice is hereby given that Orange Cove Irrigation District has filed a petition for extension of time to develop full beneficial use of water. Any correspondence directed to the petitioner should be mailed to:

Orange Cove Irrigation District c/o John P. Roldan  
1130 Park Blvd: Orange Cove, CA 93646

Summary of Permit

County: Fresno  
Source: San Joaquin River tributary to Suisun Bay  
Point of  
Diversion: Millerton Lake - NW ¼ of SW ¼ of projected Section 5, T11S, R21E, MDB&M  
Amount: 30 cubic feet per second (cfs), not to exceed 21,900 acre-feet annually  
Season: January 1 through December 31 of each year.  
Purpose: Power Generation  
Place of Use: SW ¼ of SW ¼ of projected Section 5, T11S, R21E, MDB&M  
Time Extension: 10 year extension of time to complete full beneficial use of water

Protests must be received by the Division by 3:00 p.m. on June 9, 2007. To obtain additional information regarding this project, protest information, or to obtain copies of protest forms, please contact Kate Gaffney at (916) 341-5360 or by e-mail at [kgaffney@waterboards.ca.gov](mailto:kgaffney@waterboards.ca.gov). Information and protest forms are also available at the Division's website: [www.waterrights.ca.gov](http://www.waterrights.ca.gov).

Date of Notice: May 10, 2007

KMG  
EDM  
A30593  
2006 OCT 18 PM 3:03  
DIVISION OF WATER RIGHTS  
SACRAMENTO

### PETITION FOR EXTENSION OF TIME

**WATER USERS:**

Application 30593 Permit 20967

Water Code section 1396 requires an applicant to exercise due diligence in developing a water supply for beneficial use. The State Water Resources Control Board (SWRCB), in considering requests for extension of time, will review the facts presented to determine whether there is good cause for granting an extension of time to complete the project. Where diligence in completing the project is not fully substantiated, the SWRCB may set the matter for hearing to determine the facts upon which to base formal action relating to the permit. Formal action may involve:

1. Revoking the permit for failure to proceed with due diligence in completing the project.
2. Issuing a license for the amount of water heretofore placed to beneficial use under the terms of the permit.
3. Granting a reasonable extension of time to complete construction work and/or full beneficial use of water.

**The time previously allowed in your permit within which to complete construction work and/or use of water has either expired or will expire shortly.**

Please check below the action you wish taken on this permit.

- The project has been abandoned and I request revocation of the permit.  
\_\_\_\_\_  
Signature
- Full use of water has been made, both as to amount and season, and I request license be issued.  
\_\_\_\_\_  
Signature
- The project is not yet complete. I request the SWRCB's consideration of the following petition for an extension of time.

#### PETITION FOR EXTENSION OF TIME If START of construction has been delayed

Complete items 1, 2, and 3.

1. What has been done since permit was issued toward commencing construction?  
Preliminary design of new hydropower plant. Preparation of Project Definition Report. Pre-consultation meeting with regulatory agencies at project site. Submission of application for hydropower amendment to the Federal Energy Regulatory Commission (FERC).
2. Estimate date construction work will begin. January 2009
3. Reasons why construction work was not begun within the time allowed by the permit.  
The applicant has been working on an amendment to their FERC hydropower license to increase capacity and allow for the full utilization of the water right permit.

*"The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption. For a list of simple ways you can reduce demands and cut your energy costs, see our web-site at: <http://waterrights.ca.gov>."*  
Additional copies of this form and water right information can be obtained at [www.waterrights.ca.gov](http://www.waterrights.ca.gov).

Just extension  
no DFG fee  
Edm  
12/18/06  
\$1000  
DC

**PETITION FOR EXTENSION OF TIME**  
**If construction work is proceeding**

If construction work and/or use of water is proceeding but is not complete, an extension of time may be petitioned by completing items 4 through 16. Statements must be restricted to construction or use of water only under this permit.

4. A 10 - year extension of time is requested to complete construction work and/or beneficial use of water. (Indicate a period of time less than or equal to 10 years. Must be consistent with the time frame allowed in (California Code of Regulations sections 840 through 844)
5. How much water has been used? 1,779 (See Table 1) acre-feet/year 2.5 (see Tbl 1) cfs
6. How many acres have been irrigated? 0
7. How many houses or people have been served water? 0
8. Extent of past use of water for any other purpose. All water is used for hydroelectric power generation
9. What construction work has been completed during the last extension? None
10. Approximate amount spent on project during last extension period. \$ 50,000
11. Estimate date construction work will be completed. November 2009
12. Estimated year in which water will be fully used. 2010
13. Reasons why construction and/or use of water were not completed within time previously allowed. The applicant was working on a hydropower license amendment to increase capacity to permit full utilization of the water right. Also, the hydrologic conditions (low reservoir water level at the same time as high releases), that are needed to fully utilize the water at the existing plant, have not yet occurred.

**If the use of water is for municipal (including industrial) and irrigation supplies and is provided or regulated by public agencies and use of the water has commenced, but additional time is needed to reach full use contemplated, the following information must be provided.**

14. What water conservation measures are in effect or feasible within the place of use?  
Not applicable. The water will not be used for municipal or irrigation supplies.
15. How much water is being conserved or is it feasible to conserve using these conservation measures?  
NA acre-feet per annum.
16. How much water per capita is used during the maximum 30-day period? NA gpd.

*I (we) declare under penalty of perjury that the above is true and correct to the best of my (our) knowledge and belief.*

Dated: December 14, 2006, at Orange Cove, California

JPRld 559-626-4461  
Signature(s) Telephone No.

John P. Roldan 1130 Park Blvd. Orange Cove, CA 93646  
PLEASE PRINT YOUR NAME AND ADDRESS

**NOTE: A \$1,000 filing fee, for each Application listed, made payable to the State Water Resources Control Board must accompany a petition for an extension of time. An \$850 fee made payable to the Department of Fish and Game must accompany all but the first petition for an extension of time.**

**TABLE 1**

**Orange Cove Irrigation District  
Amount of Water Used in Accordance with 30 CFS Water Right Permit**

	Total (Acre-Feet)												Average	
	2005	2004	2003	2002	2001	2000	1999	1998	AF	CFS				
January	0	0	0	0	562	0	0	0	70	1.2				
February	0	0	0	0	230	0	0	0	29	0.5				
March	0	0	0	307	272	0	0	0	72	1.2				
April	0	0	0	297	16	0	0	0	39	0.7				
May	0	0	0	0	0	0	0	0	0	0.0				
June	0	0	0	0	0	0	0	0	0	0.0				
July	0	320	310	307	282	0	158	0	172	2.9				
August	0	620	620	307	328	228	530	0	329	5.5				
September	480	600	660	297	220	472	620	0	419	7.0				
October	620	420	496	307	206	462	552	0	383	6.4				
November	600	0	0	0	0	538	264	0	175	2.9				
December	100	0	0	0	0	620	0	0	90	1.5				
<b>Total</b>	<b>1800</b>	<b>1960</b>	<b>2086</b>	<b>1822</b>	<b>2116</b>	<b>2320</b>	<b>2124</b>	<b>0</b>	<b>1,779</b>	<b>2.5</b>				

Notes: The above flowrates represent monthly averages. The maximum monthly average was 11.1 cfs. Shorter term flowrates (such as daily or hourly) have possibly been higher but are not available for reporting.

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

Petition for Change

Petition for Extension of Time

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.

The applicant is proposing to build a new 1.8-megawatt hydroelectric power plant at the existing Friant Dam. A small area covering a few thousand square feet at the base of Friant Dam will be graded. It is expected that the water right permit for 30 cfs will be fully utilized after the new power plant is constructed. The new power plant will not alter the flow regime or timing and quantity of water releases from Friant Dam. These releases will be determined by other agencies and the applicant will merely be taking advantage of them to generate hydropower. To date a preliminary design has been completed and an application for a hydropower amendment has been sent to FERC. The final design and power plant construction are expected to be completed within the requested extension period. The power plant will be located in an area already dominated by dams and hydroelectric facilities, so its construction will not alter any existing land uses.

See Attachment No. \_\_\_\_

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): \_\_\_\_\_

No county permits are needed as all work will be performed on federally owned land.

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. \_\_\_\_

**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) USBR (Special Use Permit)

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

AGENCY	PERMIT TYPE	PERSON(S) CONTACTED	CONTACT DATE	TELEPHONE NO.
FERC	Lic. Amendment	Linda Stewart	April 2006	202-502-6680
USBR	Special Use	Darrin Williams	Dec 12, 2006	559-487-5340

See Attachment No. \_\_\_\_

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: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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: Julie Means (phone: 559-243-4014 ext 240)

**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: Orange Cove Irrigation District
- 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: \_\_\_\_\_

See Attachment No. 1

\* 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. \_\_\_\_\_

- 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? Not applicable  
\_\_\_\_\_  
\_\_\_\_\_

See Attachment No. \_\_\_\_\_

**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: See Attachment No. 2

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*See Attachment No. 2*

**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: December 14, 2006

Signature: 



# **Attachment 1**

Orange Cove Irrigation District  
Proposed Hydropower Expansion

CEQA Documentation

To:  Office of Planning and Research  
 PO Box 3044, 1400 Tenth Street, Room 212  
 Sacramento, CA 95812-3044

From: (Public Agency) Orange Cove Irr. Dist.  
1130 Park Blvd  
Orange Cove, CA 93646

OCT 12 2006

By: Jeanne C. [Signature] ~~FRESNO COUNTY CLERK~~  
 DEPUTY (Address)

County Clerk  
 County of Fresno  
1100 Van Ness Avenue  
Fresno, CA 93721

Subject:

Filing of Notice of Determination in compliance with Section 21108 or 21152 of the Public Resources Code.

Fishwater Release Powerplant - Non-consumptive Water rights Extension

Project Title

<u>2006091034</u>	<u>John Roldan</u>	<u>559-626-4461</u>
State Clearinghouse Number (If submitted to Clearinghouse)	Lead Agency Contact Person	Area Code/Telephone/Extension

20 miles northeast of Fresno at the toe of Friant Dam in Fresno County, California

Project Location (include county)

Project Description:

The proposal is to extend the time period for a 30 cfs water right permit for an additional ten years. The water is presently used at the Fishwater Release Powerplant at Friant Dam to generate hydropower. In addition, the water right is proposed to be used at a new proposed powerplant that would also be constructed at Friant Dam.

This is to advise that the Orange Cove Irrigation District has approved the above described project on  
 Lead Agency  Responsible Agency  
October 11, 2006 and has made the following determinations regarding the above described project:  
 (Date)

1. The project [will will not] have a significant effect on the environment.
2.  An Environmental Impact Report was prepared for this project pursuant to the provisions of CEQA.  
 A Negative Declaration was prepared for this project pursuant to the provisions of CEQA.
3. Mitigation measures [were were not] made a condition of the approval of the project.
4. A statement of Overriding Considerations [was was not] adopted for this project.
5. Findings [were were not] made pursuant to the provisions of CEQA.

This is to certify that the final EIR with comments and responses and record of project approval

- the Negative Declaration
- Mitigated Negative Declaration

is available to the general public at Orange Cove Irrigation District, 1130 Park Blvd., Orange Cove, California 93646.

Signature [Signature] Date 10/12/06  
 Title Engineer - Manager

FILED

**CERTIFICATE OF FEE EXEMPTION**  
De Minimis Impact Finding

OCT 12 2006

FRESNO COUNTY CLERK

To: X California Dept. of Fish & Game  
Environmental Services  
1416 Ninth Street, 12th Floor  
Sacramento, CA 95814

From: Orange Cove Irrigation District  
1130 Park Blvd  
Orange Cove, CA 93646

By: *[Signature]*  
DEPUTY

County Clerk  
County of Fresno  
1100 N. Van Ness  
Fresno, CA 93721

Project Title: Fishwater Release Powerplant – Non-consumptive Water Rights Extension

State Clearinghouse Number: 2006091034

Contact Person: John Roldan, Engineer-Manager  
Orange Cove Irrigation District  
Telephone Number: (559) 626-4461

Project Location: The existing Fishwater Release Powerplant is located at the Friant Dam site about 20 miles northeast of Fresno in Fresno County, California. Friant Dam impounds the San Joaquin River at the toe of the Sierra Nevada Mountains creating Millerton Lake. Friant Dam is a large concrete gravity structure with a height of 319 feet and length of 3,500 feet. Millerton Lake can store over 500,000 acre-feet of water.

The new powerplant would be located at the toe of Friant Dam near the existing Fishwater Release Powerplant. Both powerplant sites lie entirely within a previously disturbed area that was excavated and re-compacted in the 1940's. The area is dominated by existing hydro-facilities, park facilities, roads and parking lots.

Project Description: The project includes a proposed 10-year extension of a non-consumptive water right for 30 cubic feet per second (water rights permit no. 20967) originally granted to the Orange Cove Irrigation District (OCID) in May 1998. OCID has three other non-consumptive water rights for 35 cubic feet per second (cfs), 100 cfs and 1,125 cfs which are not the subject of this document. All four water rights are used, or are planned to be used, for hydropower generation.

The 30 cfs water right is presently used at the Fishwater Release Powerplant, designated as Project No. 11068 in the records of the Federal Energy Regulatory Commission, issued on the 16th day of May, 1991. The project is located about 20 miles northeast of Fresno in Fresno County, California. The powerplant is owned by the Orange Cove Irrigation District (OCID).

The existing powerplant uses water from Millerton Lake, which is impounded by Friant Dam. Millerton Lake is a reservoir with a storage capacity of 520,500 acre-feet, a surface area of 4,900 acres, and a length of 15 miles. Water released from the Millerton Lake flows either to the Madera Canal, Friant-Kern Canal, or San Joaquin River. Water passing through the Fishwater Release Powerplant enters the San Joaquin River.

Currently, the Fishwater Release Powerplant has a capacity of 0.52 megawatts (MW) and delivers a constant flow of 35 cfs to a downstream fish hatchery. The demand for this powerplant is typically met with another water right for 35 cfs, however, during low head conditions, the powerplant can accommodate a higher flow rate and during these times the subject 30 cfs water right permit has been utilized. In other words, the 30 cfs water right is presently an auxiliary water right, and is only used after the 35 cfs water right is being fully utilized. A new proposed project would include an additional 1.8-MW powerplant with a capacity of 130 cfs located about 100 feet from the existing powerplant. The 30 cfs water rights permit would be used interchangeably at both the existing and new facility. A CEQA Notice of Categorical Exemption was filed for the proposed new powerplant with the Fresno County Clerk on April 5, 2005. No comments were received within the 30-day comment period and hence CEQA requirements have been satisfied for the new powerplant. ***The subject of this project is the 30 cfs water rights extension and not the hydropower plant expansion or the other water rights for 35 cfs, 100 cfs and 1,125 cfs.***

Findings of Exemption: Based on the environmental analysis performed and summarized in an Environmental Checklist prepared for the project, Orange Cove Irrigation District finds that the proposed project will not have a significant adverse effect on the environment.

X I hereby certify that the public agency has made the above finding and that the project will not individually or cumulatively have an adverse effect on wildlife resources, as defined in Section 711.2 of the Fish and Game Code.

     I hereby certify that the action on this project is taken by a public agency acting in a Responsible Agency capacity as defined by Section 21069 of the Public Resources Code, and the filing of a Notice of Determination is exempt from filing fees in accordance with provisions of Section 711.4(g) of the Fish and Game Code.



\_\_\_\_\_  
Signature of Authorized Agency Official

10/12/06

\_\_\_\_\_  
Date

John Roldan, Engineer-Manager  
Orange Cove Irrigation District, Lead Agency

FILED

ORANGE COVE IRRIGATION DISTRICT  
NOTICE OF INTENT TO ADOPT A NEGATIVE DECLARATION (PUBLIC RESOURCES CODE, SECTION 21092) SEP 08 2006

FRESNO COUNTY CLERK  
*[Signature]*  
DEPUTY

PROJECT TITLE: Fishwater Release Powerplant – Non-consumptive Water Right Extension

PROJECT LOCATION: Twenty (20) miles northeast of Fresno at the toe of Friant Dam in Fresno County, California

PROJECT DESCRIPTION (brief): The proposal is to extend the time period of a 30 cfs water right permit for an additional ten (10) years. The water right is presently used at the Fishwater Release Powerplant at Friant Dam to generate hydropower. In addition, the water right is proposed to be used at a new proposed powerplant that would also be constructed at Friant Dam.

The site is not present on any of the hazardous waste site lists enumerated under Government Code Section 65962.5.

REVIEW PERIOD: Start: September 11, 2006 End: October 10, 2006

LOCATION OF DOCUMENTS FOR REVIEW:

Pursuant to the CEQA Guidelines adopted by the District, a proposed Negative Declaration on the above-named project has been prepared and is available for review, along with all supporting documents, at the District's main office located at 1130 Park Blvd., Orange Cove, California 93646.

SCHEDULED PUBLIC MEETING:

The matter of adopting the proposed Negative Declaration will be considered by the governing board of OCID at their regularly scheduled meeting on October 11, 2006. Board meetings are held at the District's main office located at 1130 Park Blvd., Orange Cove, California 93646; the meeting begins at 12:00 p.m.

COMMENTS:

Comments on the proposed Negative Declaration may be made to OCID in writing at any time during the review period listed above or verbally during the scheduled public meeting listed above. Address your written comments to John Roldan.

SIGNIFICANT EFFECTS ON THE ENVIRONMENT: None.

**NEGATIVE DECLARATION REGARDING ENVIRONMENTAL IMPACT**

**ORANGE COVE IRRIGATION DISTRICT**

1130 Park Blvd.

Orange Cove, California 93646

1. NOTICE IS HEREBY GIVEN that the project described below has been reviewed pursuant to the provisions of the California Environmental Quality Act of 1970 (Public Resources Code 21100, *et seq.*) and a determination has been made that it will not have a significant effect upon the environment.
2. PROJECT NAME: Fishwater Release Powerplant - Non-consumptive Water Rights Extension
3. DESCRIPTION OF PROJECT: The proposal is to extend the time period for a 30 cfs water right permit for an additional ten (10) years.
4. LOCATION OF PROJECT: 20 miles northeast of Fresno at the toe of Friant Dam in Fresno County, CA
5. NAME AND ADDRESS OF PROJECT PROPONENT: Orange Cove Irrigation District  
1130 Park Blvd. Orange Cove, California 93646
6. MITIGATION MEASURES FOR MITIGATED NEGATIVE DECLARATIONS: Not Applicable
7. A copy of the initial study regarding the environmental effect of this project is attached (MUST BE ATTACHED).

This study was:      Adopted as presented.      Adopted with changes.  
Specific modifications and supporting reasons are attached.

8. A public hearing on this Negative Declaration was held by the District Board of Directors on October 11, 2006 (date).

9. Determination:

On the basis of the initial study of environmental impact, the information presented at hearings, comments received on the proposal and our own knowledge and independent research:

- We find the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION is hereby adopted.
- We find that the project COULD have a significant effect on the environment but will not in this case because of attached mitigation measures described in Item 6 above which are by this reference made conditions of project approval. A conditional NEGATIVE DECLARATION is hereby adopted.

10/12/06

Date



General Manager, Orange Cove Irrigation District

ENVIRONMENTAL IMPACT ASSESSMENT

ORANGE COVE IRRIGATION DISTRICT

1130 Park Blvd.

Orange Cove, California 93646

Name of Project: Fishwater Release Powerplant - Non-consumptive Water Rights Extension

Project Location: Twenty (20) miles northeast of Fresno at the toe of Friant Dam in Fresno County, California

Entity or Person Undertaking Project

A. ORANGE COVE IRRIGATION DISTRICT

B. Other

Not Applicable

Name

Address

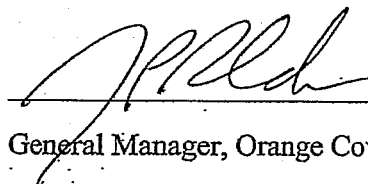
Staff Determination:

The District staff, having undertaken and completed an Initial Study of this project in accordance with Title 14 Code of Cal. Regs. Section 15063 for the purpose of ascertaining whether the proposed project might have a significant effect on the environment, has reached the following conclusion:

- The project or any of its aspects could not have a significant effect on the environment; therefore, a Negative Declaration should be prepared.
- The project could, either individually or cumulatively, have a significant effect on the environment; therefore, an EIR will be required.

9/7/06

Date



General Manager, Orange Cove Irrigation District

ENVIRONMENTAL CHECKLIST

**ORANGE COVE IRRIGATION DISTRICT**  
**FISHWATER RELEASE POWERPLANT – NON-  
CONSUMPTIVE WATER RIGHTS EXTENSION**  
**(PERMIT NO. 20967)**

Prepared by: Provost & Pritchard Engineering Group, Inc.  
286 West Cromwell Avenue  
Fresno, CA 93711-6162  
(559) 449-2700

Prepared for: Orange Cove Irrigation District  
1130 Park Blvd  
Orange Cove, CA 93646  
(559) 626-4461

Contact Person: John Roldan, Engineer-Manager  
Orange Cove Irrigation District

AUGUST 2006



located about 100 feet from the existing powerplant. The 30 cfs water rights permit would be used interchangeably at both the existing and new facility. A CEQA Notice of Categorical Exemption was filed for the proposed new powerplant with the Fresno County Clerk on April 5, 2005. No comments were received within the 30-day comment period and hence CEQA requirements have been satisfied for the new powerplant. ***This document was prepared for the CEQA requirements for the 30 cfs water right extension and not the hydropower plant expansion or the other water rights for 35 cfs, 100 cfs and 1,125 cfs.***

#### **9. Surrounding Land Uses and Setting:**

The surrounding area is owned by the United States Bureau of Reclamation and used for the Friant Dam and its facilities.

#### **10. Other agencies whose approval is required:**

An extension of time for a water rights permit will be needed from the California State Water Resources Control Board – Division of Water Rights.

#### **Environmental Factors Potentially Affected:**

The environmental factors checked below would be potentially affected by this project, involving at least one impact that is a "Potentially Significant Impact" as indicated by the checklist on the following pages.

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> Aesthetics                    | <input type="checkbox"/> Agriculture Resources              | <input type="checkbox"/> Air Quality            |
| <input type="checkbox"/> Biological Resources          | <input type="checkbox"/> Cultural Resources                 | <input type="checkbox"/> Geology/Soils          |
| <input type="checkbox"/> Hazards & Hazardous Materials | <input type="checkbox"/> Hydrology/Water Quality            | <input type="checkbox"/> Land Use/Planning      |
| <input type="checkbox"/> Mineral Resources             | <input type="checkbox"/> Noise                              | <input type="checkbox"/> Population/Housing     |
| <input type="checkbox"/> Public Services               | <input type="checkbox"/> Recreation                         | <input type="checkbox"/> Transportation/Traffic |
| <input type="checkbox"/> Utilities/ Service Systems    | <input type="checkbox"/> Mandatory Findings of Significance |   |

Issues	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>I. AESTHETICS.</b> Would the proposal:				
a) Have a substantial adverse effect on a scenic vista?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Substantially degrade the existing visual character or quality of the site and its surroundings?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Discussion:**

a-d) The proposed project lies entirely within a previously disturbed area, dominated by existing hydro-facilities, roads, and parking lots. The water rights extension will not result in the construction or modification of any new facilities or the modification of any natural features, and therefore will not affect any aesthetic resources.

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>II. AGRICULTURE RESOURCES.</b> In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Dept. of Conservation as an optional model to use in assessing impacts on agriculture and farmland. Would the project:				
a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Involve other changes in the existing environment which, due to their location or	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
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**IV. BIOLOGICAL RESOURCES.** Would the project:

- |  |                          |                          |                          |                                     |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| a) Have a substantial adverse effect, either directly or through habitat modifications, or any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Game or US Fish and Wildlife Service?   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| c) Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan or other approved local, regional, or state habitat conservation plan?  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

**Discussion:**

a-d) The biology of Millerton Lake and the San Joaquin River riparian corridor are dependent on San Joaquin River flows. However, the use of the water right permit at either the existing or proposed powerplant will not alter the final use, scheduling, or quantity of water delivered to the San Joaquin River, or impact reservoir levels in Millerton Lake. Power will be generated using planned scheduled releases, the timing and quantity determined solely by the US Bureau of Reclamation (USBR). Furthermore, the project will not interfere with the scheduling, timing, or quantity of water releases for the fish hatchery or future restoration on the San Joaquin River. Generation of electric power will be incidental to the delivery of water to the San Joaquin River. In other words, water cannot be released solely for hydropower generation, but rather hydropower generation will only be possible when water is released for other river demands.

e-f) Continued use of the water rights permit will not impact any local policies or ordinances protecting biological resources, or conflict with the provisions of an adopted Habitat Conservation Plan, Natural

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
iii) Seismic-related ground failure, including liquefaction?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
iv) Landslides?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Result in substantial soil erosion or the loss of topsoil?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on-or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Discussion:

a-e) Geological and soil resources will not be impacted by the project because continued use of the water rights will not require any new construction or movement of soils. Furthermore, use of the water for hydropower generation will not cause additional erosion or geomorphological changes in the San Joaquin River from changes in stream flow regime. Use of the water right itself will not result in new releases to the San Joaquin River or change the timing and magnitude of river releases. Rather, OCID will be merely utilizing water releases controlled by others.

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
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**VII. HAZARDS AND HAZARDOUS MATERIALS.**

Would the project:

a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials,	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted?)				
c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner which would result in substantial erosion or siltation on-or off-site?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner which would result in flooding on-or off-site?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) Otherwise substantially degrade water quality?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
g) Place housing within a 100-year flood hazard area as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
h) Place within a 100-year flood hazard area structures which would impede or redirect flood flows?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
i) Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
j) Inundation by seiche, tsunami, or mudflow?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Discussion:**

a, f) The quality of the water from Millerton Lake is not adversely impacted by OCID's use of the non-consumptive 30 cfs water right. As a result, continued use of the water right will not impact water quality in the future either. Following are some discussions on water quality issues and explanations for why the water quality is not now, and will not in the future, be impacted.

The first 35 cfs of water from the Fishwater Release Powerplant is conveyed to a downstream fish hatchery. Flows in excess of 35 cfs (called 'overflows'), which would be comprised of flows from the subject 30 cfs water right, are conveyed by a tailrace channel to a river outlet channel (flows from the new powerplant would be delivered similarly to the river outlet channel). This water will free fall from the tailrace to the stilling basin, and, in the process, provide aeration and increase dissolved oxygen (DO). The tailrace outlet (bottom of pipe el. 318 ft.) will be approximately the same elevation as the main outlet pipes through Friant dam (bottom of pipe el. 323 ft.). The bottom of the plunge pool is at el. 289 feet. Therefore, the water will free fall approximately

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
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**X. MINERAL RESOURCES.** Would the project:

- |   |                          |                          |                          |                                     |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|
| a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?                                | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| b) Result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Discussion:

a-b) No mineral resources have been identified within the project site. The continued use of the water right will not impact any geologic materials and therefore cannot impact any mineral resources.

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
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**XI. NOISE.** Would the project result in:

- |  |                          |                          |                          |                                     |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| a) Exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| b) Exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels?  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| c) A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| d) A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport and public use airport, would the project expose people residing or working in the project area to excessive noise levels? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| f) For a project within the vicinity of a private airstrip, would the project expose people residing or working in the project area to excessive noise levels?   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Discussion:

a-f) Continued use of the water right will not create any new noises. In addition, the powerplant sites are located on government owned lands that are far from any residences or businesses and are not accessible to the general public.

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
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**XIV. RECREATION.**

- |  |                          |                          |                          |                                     |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| b) Does the project include recreational facilities or require the construction or expansion of recreational facilities that might have an adverse physical effect on the environment?                         | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Discussion

a-b) The water right is derived from water supplies stored in Millerton Lake. Millerton Lake serves many recreational purposes including swimming, fishing and boating. OCID takes advantage of the water releases from Millerton Lake to generate electricity. OCID has no control over the releases. Water releases are controlled by the United States Bureau of Reclamation with the goals of optimizing water supply, flood control, environmental and recreational benefits. Renewal of the water rights will in no way influence or impact the operation of the dam or reservoir releases, and therefore will have no impact on recreational resources.

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
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**XV. TRANSPORTATION/TRAFFIC.** Would the project:

- |  |                          |                          |                          |                                     |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| a) Cause an increase in traffic which is substantial in relation to the existing traffic load and capacity of the street system (i.e., result in a substantial increase in either the number of vehicle trips, the volume to capacity ratio on roads, or congestion at intersections)? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| b) Exceed, either individually or cumulatively, a level of service standard established by the county congestion management agency for designated roads or highways?   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| c) Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks?  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| d) Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| e) Result in inadequate emergency access?  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| f) Result in inadequate parking capacity?  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

a-c, e-g) Continued use of the water right will not impact needs or requirements for water treatment, wastewater treatment, storm drainage or solid waste disposal.

d) The Orange Cove Irrigation District has already applied for and received another water rights permit for 100 cfs for use at the proposed new powerplant. Therefore, no new or expanded water entitlements will be needed for the existing or proposed powerplants.

Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
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**XVII. MANDATORY FINDINGS OF SIGNIFICANCE.**

- |  |                          |                          |                          |                                     |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| a) Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Discussion:

a-c) The results of this environmental assessment indicate that any potential environmental impacts as a result of the project are less than significant and no mitigation is required.



## Attachment 2

### Orange Cove Irrigation District Proposed Hydropower Expansion

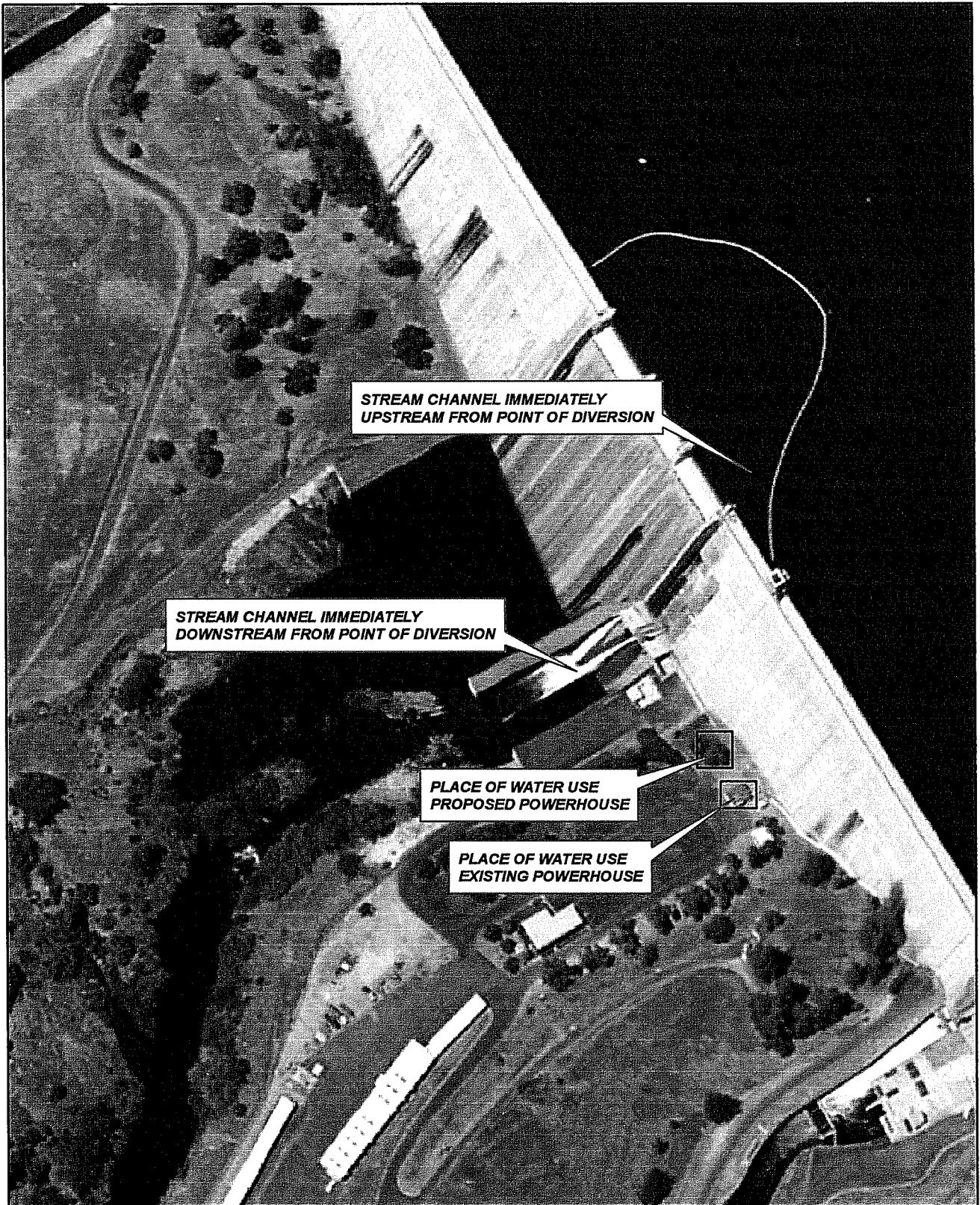
#### Environmental Information for Petitions

##### Archeology

A cultural resources survey is required for any construction project in the state of California to identify the potential for archaeological, historical, and cultural resources on the site. The Friant Dam was constructed more than 50 years ago, so the project design will need to be approved by the State Historical Preservation Office (SHPO) to ensure it does not adversely affect the visual characteristics or historical aspects of Friant Dam.

The following is a chronology of correspondence between OCID and the California SHPO office (refer to the section entitled '*Permits*' for copies of all the documents listed below):

- March 16, 2005. OCID submitted a Section 106 Review of the project site to the California State Historical Preservation Office. The document stated that OCID had concluded that the proposed project will have no adverse effect on the Friant Dam.
- April 7, 2005. SHPO responded to OCID's Section 106 Review in a letter and requested that a cultural resource records search of the project site be performed.
- June 16, 2005. As requested by SHPO, OCID hired the Southern San Joaquin Valley Information Center (SSJVIC) to perform a cultural resources records search for the project site. The SSJVIC stated that there are no recorded cultural resources within the project area and that a cultural resources survey is not recommended at the time. A copy of the records search was sent to SHPO on June 16, 2005.
- June 27, 2005. SHPO staff called OCID's engineering consultant, Provost and Pritchard Engineering Group, Inc. (P&P) and stated that an archeological survey of the site was needed. P&P argued that the project is in an area that was previously excavated and backfilled, and a cultural records search did not find any important resources on the job site, and asked SHPO to reconsider their determination.
- April 4, 2006. A period of over nine months passed with no response from SHPO. The Code of Federal Regulations Part 800 – Protection of Historic Properties (effective August 5, 2004) states that SHPO has a 30-day period to respond to a determination. Since no response was received OCID has assumed that their determination of no adverse effect has been accepted by SHPO.



**STREAM CHANNEL IMMEDIATELY  
UPSTREAM FROM POINT OF DIVERSION**

**STREAM CHANNEL IMMEDIATELY  
DOWNSTREAM FROM POINT OF DIVERSION**

**PLACE OF WATER USE  
PROPOSED POWERHOUSE**

**PLACE OF WATER USE  
EXISTING POWERHOUSE**

0 100 200  
Feet



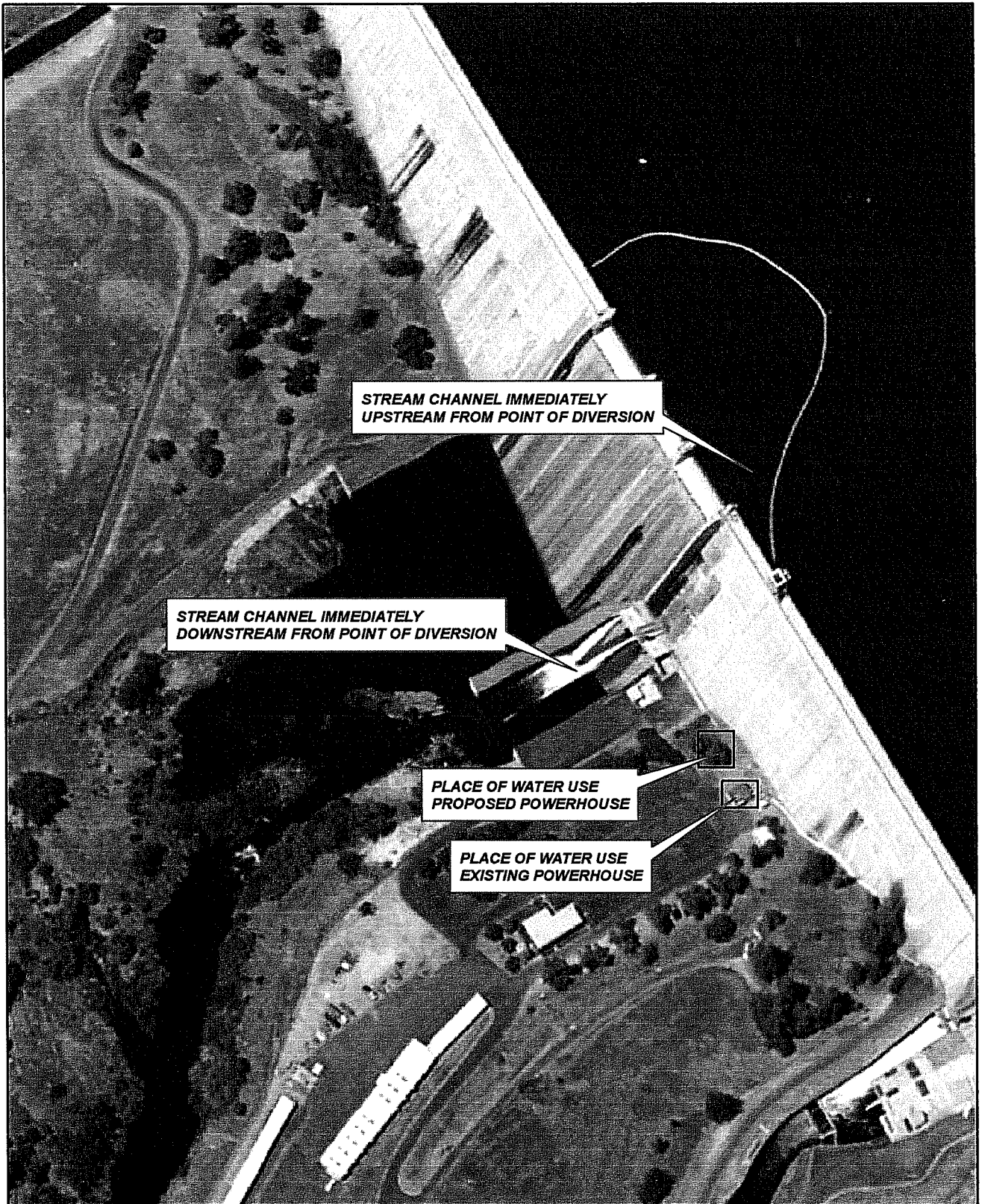
**EST. 1964**  
**PROVOST &  
PRITCHARD**  
**ENGINEERING GROUP**  
*An Employee Owned Company*

286 W. Cramwell Ave.  
Fresno, CA 93711-6162  
(559) 449-2700

**Water Rights Extension  
Aerial Photograph**

Orange Cove ID

Photography by AirPhoto USA, 7/10/02



STREAM CHANNEL IMMEDIATELY  
UPSTREAM FROM POINT OF DIVERSION

STREAM CHANNEL IMMEDIATELY  
DOWNSTREAM FROM POINT OF DIVERSION

PLACE OF WATER USE  
PROPOSED POWERHOUSE

PLACE OF WATER USE  
EXISTING POWERHOUSE

0 100 200  
Feet

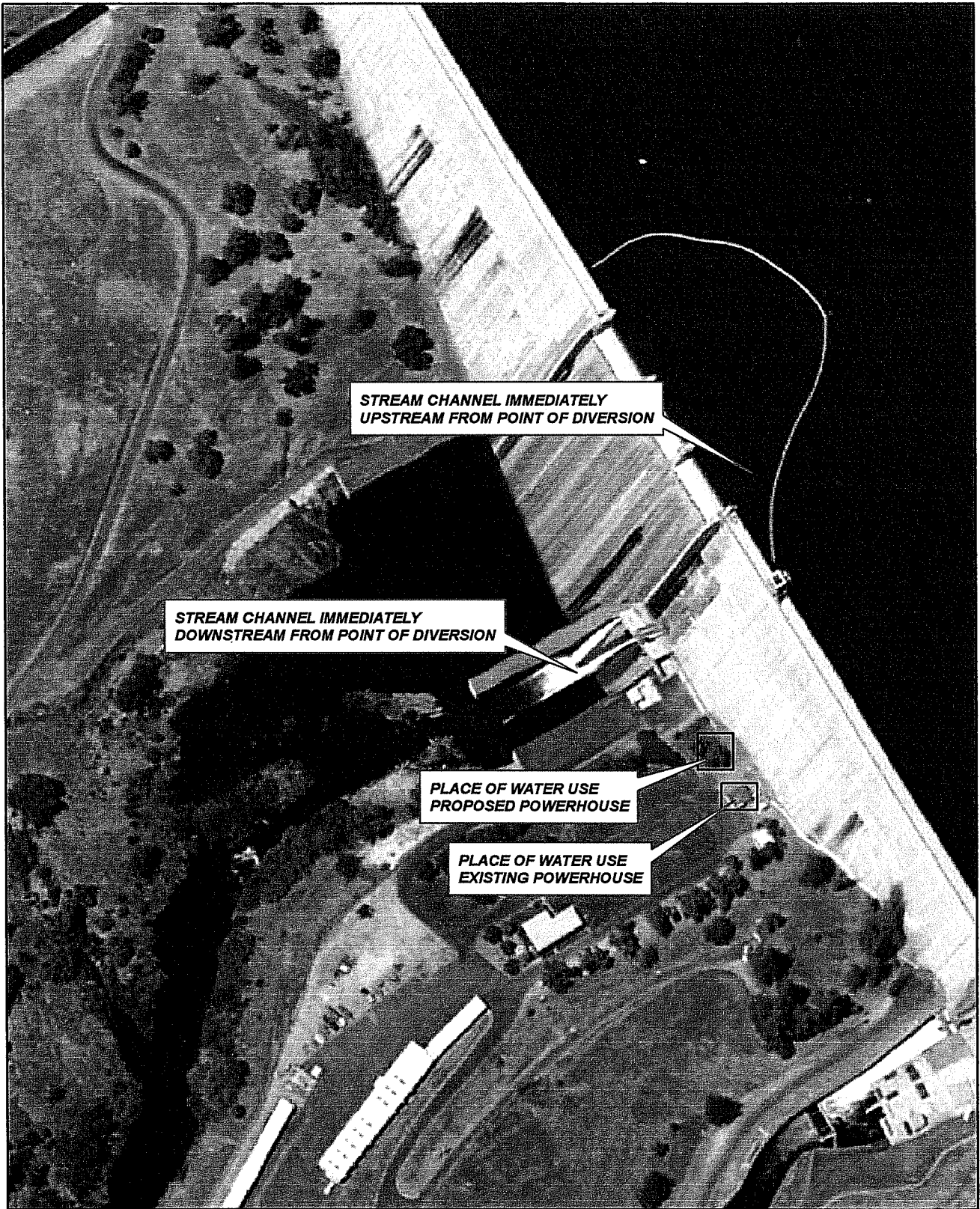


CEL 1044  
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PRITCHARD**  
ENGINEERING GROUP  
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Fresno, CA 93711-6162  
(559) 449-2700

### Water Rights Extension Aerial Photograph

Orange Cove ID  
Photography by AirPhoto USA, 7/10/02



**STREAM CHANNEL IMMEDIATELY  
UPSTREAM FROM POINT OF DIVERSION**

**STREAM CHANNEL IMMEDIATELY  
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**PLACE OF WATER USE  
PROPOSED POWERHOUSE**

**PLACE OF WATER USE  
EXISTING POWERHOUSE**

0 100 200  
Feet



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