

December 19, 2012

Mr. Phillip Crader, Manager of Permitting and Licensing Section
State Water Resources Control Board
1001 I Street
PO Box 2000
Sacramento, CA 95812-2000

Subject: 1) Petitions for Changes of Place of Use and Point of Rediversion – Pardee Reservoir
Hydroelectric Rights, License 1388 (Application 4768), License 6062
(Application 5128) and Permit 10479 (Application 15201)

2) Petition for Change of Place and Purpose of Use – Pardee Reservoir Municipal
Water Right, License 11109 (Application 4228)

3) Amended Petition for Change of Place and Purpose of Use – Pardee/ Camanche
Reservoirs Municipal Water Right, Permit 10478 (Application 13156)

Dear Mr. Crader:

Consistent with our discussions with you on August 30, 2012, the East Bay Municipal Utility District (EBMUD) hereby files the subject additional change petitions, summarized below, to conform the permits and licenses issued by the State Water Board (SWB) for the Mokelumne Project to EBMUD's existing Mokelumne River water supply and hydroelectric operations. EBMUD will continue to use its existing Mokelumne River facilities to meet the existing and future water supply needs of the residents in the cities and other areas within EBMUD's service area.

Other legal users of water will not be impacted by these change petitions, because the change petitions do not involve any additional appropriation of water; the hydroelectric rights are non-consumptive; and EBMUD does not propose any changes in its existing municipal and hydroelectric operations at Pardee and Camanche Reservoirs. In addition, EBMUD will continue to make required releases to meet the obligations to downstream water rights holders.

- 1) EBMUD is petitioning to add fish and wildlife preservation and enhancement at Pardee Reservoir as an additional purpose of use under License 11109/ Application 4228. Waters stored in Pardee Reservoir support fish and wildlife resources at Pardee. The proposed change in purpose of use does not expand EBMUD's existing water rights to divert water from the Mokelumne River and will not result in any potentially significant impacts.

This petition also proposes to update the place of use set forth in License 11109. The place of use for License 11109 was last approved when the License was issued by the SWB in 1981.

The proposed change in place of use is a result of annexations of additional lands to EBMUD's current and ultimate service area boundaries by the LAFCOs of Alameda and Contra Costa counties. For each of these annexations, LAFCO, as the lead agency, complied with the requirements of CEQA, approved environmental documents and added the areas to EBMUD's service area, thus requiring that they be served by EBMUD. This proposed change in the place of use is simply to update the map on file with the SWB to conform the place of use to add areas LAFCO has already ordered to be served, for which CEQA documentation was completed, and which EBMUD is currently serving. Adding these areas will not result in any potentially significant impacts that were not examined in prior CEQA documents. (See also 23 CCR § 798.)

- 2) EBMUD is amending the previously filed petition under Permit 10478 to add changes to the purpose of use. EBMUD is petitioning to formally add recreation, fish and wildlife preservation, and enhancements at Pardee and Camanche Reservoirs as authorized purposes of use under Permit 10478. EBMUD also proposes to add industrial use as an authorized purpose of use under Permit 10478. The proposed change in purpose of use does not expand EBMUD's existing water rights to divert water from the Mokelumne River and will not result in any potentially significant impacts. (See also 23 CCR § 798.)
- 3) EBMUD is also filing three petitions on its Pardee Reservoir hydroelectric water rights (License 1388/ Application 4768, License 6062/ Application 5128, and Permit 10479/ Application 15201). These petitions would make technical clarifications to conform those three rights to subsequently imposed state and federal terms and conditions and to facilitate the operations necessary to meet those requirements and other downstream release obligations. Each water right license/ permit authorizes certain amounts and seasons for direct diversion at the powerhouse and storage at Pardee Reservoir, which will remain unchanged with these petitions.

EBMUD routinely releases water from Pardee Reservoir to Camanche Reservoir at various times to assist in meeting state and federally imposed terms and conditions, including (a) releases to meet the SWB's decision in D-1641 requiring minimum fishery flow releases, which release requirements are also mandated by the Federal Energy Regulatory Commission (FERC); (b) releasing cool water from Pardee Reservoir to Camanche Reservoir in summer and fall to be released from Camanche Reservoir for the benefit of the anadromous fishery in the lower Mokelumne River, as required by D-1641 and FERC; and (c) making flood control releases as required by the U.S. Army Corps of Engineers. In addition, EBMUD is required to make releases to meet its obligations to downstream water rights holders. In conducting these operations, water is customarily released from Pardee to Camanche Reservoir through the Pardee Powerhouse, and, in turn, through the Camanche Powerhouse to the Mokelumne River. The proposed changes will not result in any new

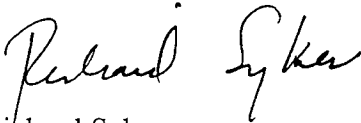
construction, no changes to EBMUD's operations will occur, and will not result in any potential significant impacts.

EBMUD has and will continue to meet all flow requirements at Camanche Reservoir, including the release requirements imposed by the SWB's D-1641 to release the Joint Settlement Agreement (JSA) fisheries flows from Camanche Reservoir to the lower Mokelumne River. EBMUD has been releasing JSA required flows to protect and enhance the Mokelumne fishery since the flows were first negotiated in 1996, and will continue to release those instream flows.

Enclosed are one original and one copy of each change petition together with the associated Environmental Information form for the petitions, maps, and total filing fee of \$23,728 (\$5,932 for each petition) payable to the SWB and additional fee of \$850 payable to the Department of Fish and Game (DFG) to cover the relevant fee associated with these change petitions. This single filing fee to DFG is consistent with Public Resources Code Section 10005(e) for a single project.

Regarding the enclosed, amended petition for change on Permit 10478, and consistent with our telephone conversation with Kathy Mrowka on June 12, 2012, we understand the filing fees paid in 2010 in association with the change petition on Permit 10478 are also sufficient for the enclosed amended petition under Permit 10478. There should be no additional fees necessary to process this amended petition. We have enclosed a fully revised amended petition on Permit 10478 to replace the December 2010 petition, with the exception of the maps from December 2010, which remain unchanged.

Very Truly Yours,



Richard Sykes

Enclosures

cc: James W. Kassel, Assistant Division Chief, SWRCB
Tina Bartlett, Regional Manager, Department of Fish and Game

December 19, 2012
Phillip Crader
Change Petitions
Page 4

bcc: Records Management

L. Tam

W. Kirkpatrick

F. Etheridge

K. Donovan

M. Liu

A. Ulloa

D. Cordova (MBK)

R. Donlan (ESH)

WRPD File No. 450 (Copy of letter and all attachments)

WRPD File No. 450.4228 (Copy of letter & application 4228)

WRPD File No. 450.4768 (Copy of letter & application 4768)

WRPD File No. 450.5128 (Copy of letter & application 5128)

WRPD File No. 450.13156 (Copy of letter & application 13156)

WRPD File No. 450.15201 (Copy of letter & application 15201)

Chron.

DOX #'s 2112008, 2112013, 2112024, 2112025, 2112027, 2112028

W:\res_plan\TRANSFER\Camanche Permit Extension - File 732\01. CPE Petition\SWRCB Coordination\Change Petitions\P. Crader Transmittal Letter-Additional
Change Petitions_12-19-12.doc

Dox # corresponds to WRPD File No.

1 From Please print and press hard.
Date 12-19-12 Sender's FedEx Account Number 1015-4980-1
Sender's Name ANA ULLOA Phone (510) 287-1258
Company EASTBAY MUNICIPAL UTILITY DIST
Address 375 11TH ST Dept./Floor/Suite/Room
City OAKLAND State CA ZIP 94607

2 Your Internal Billing Reference 443/0561760/5211
First 24 characters will appear on invoice.

3 To
Recipient's Name ROB DONLAN Phone (916) 447-2166
Company ELLISON, SCHNEIDER & HARRIS, L.L.P.
Recipient's Address 2600 CAPITOL AVE., SUITE 400 Dept./Floor/Suite/Room
We cannot deliver to P.O. boxes or P.O. ZIP codes.
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0381072096



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1 From Please print and press hard.
Date 12-19-12 Sender's FedEx Account Number 1015-4980-1
Sender's Name ANA ULLOA Phone (510) 287-1258
Company EASTBAY MUNICIPAL UTILITY DIST
Address 375 11TH ST Dept./Floor/Suite/Room
City OAKLAND State CA ZIP 94607

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Recipient's Address 2600 CAPITOL AVE., SUITE 400 Dept./Floor/Suite/Room
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☐ FedEx Priority Overnight Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
☒ FedEx Standard Overnight Next business afternoon.* Saturday Delivery NOT available.
☐ FedEx First Overnight Earliest next business morning delivery to select locations.* Saturday Delivery NOT available.
☐ FedEx 2Day Second business day.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
☐ FedEx Express Saver Third business day.* Saturday Delivery NOT available.
* To most locations.
FedEx Envelope rate not available. Minimum charge: One-pound rate.

4b Express Freight Service Packages over 150 lbs.
☐ FedEx 1Day Freight* Next business day.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
☐ FedEx 2Day Freight Second business day.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
☐ FedEx 3Day Freight Third business day.* Saturday Delivery NOT available.
* Call for Confirmation. ** To most locations.

5 Packaging
☐ FedEx Envelope* ☐ FedEx Pak* Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak. ☐ FedEx Box ☒ FedEx Tube ☐ Other
* Declared value limit \$500.

6 Special Handling Include FedEx address in Section 3.
☐ SATURDAY Delivery NOT Available for FedEx Standard Overnight, FedEx Express Saver, or FedEx 3Day Freight.
☐ HOLD Weekday at FedEx Location NOT Available for FedEx First Overnight.
☐ HOLD Saturday at FedEx Location Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.
Does this shipment contain dangerous goods?
One box must be checked.
☐ No ☐ Yes As per attached Shipper's Declaration. ☐ Yes Shipper's Declaration not required. ☐ Dry Ice Dry ice, 9, UN 1845 x kg
Dangerous goods (including dry ice) cannot be shipped in FedEx packaging. ☐ Cargo Aircraft Only

7 Payment Bill to: Enter FedEx Acct. No. or Credit Card No. below.
☒ Sender Acct. No. in Section 1 will be billed. ☐ Recipient ☐ Third Party ☐ Credit Card ☐ Cash/Check
FedEx Acct. No. Exp. Date
Total Packages Total Weight Total Declared Value*
\$.00
*Our liability is limited to \$100 unless you declare a higher value. See back for details. By using this Airbill you agree to the service conditions on the back of this Airbill and in the current FedEx Service Guide, including terms that limit our liability.

8 Residential Delivery Signature Options If you require a signature, check Direct or Indirect.
☐ No Signature Required Package may be left without obtaining a signature for delivery.
☐ Direct Signature Someone at recipient's address may sign for delivery. Fee applies.
☐ Indirect Signature If no one is available at recipient's address, someone at a neighboring address may sign for delivery. Fee applies.
519
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4a Express Package Service Packages up to 150 lbs.
☐ FedEx Priority Overnight Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
☒ FedEx Standard Overnight Next business afternoon.* Saturday Delivery NOT available.
☐ FedEx First Overnight Earliest next business morning delivery to select locations.* Saturday Delivery NOT available.
☐ FedEx 2Day Second business day.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
☐ FedEx Express Saver Third business day.* Saturday Delivery NOT available.
* To most locations.
FedEx Envelope rate not available. Minimum charge: One-pound rate.

4b Express Freight Service Packages over 150 lbs.
☐ FedEx 1Day Freight* Next business day.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
☐ FedEx 2Day Freight Second business day.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
☐ FedEx 3Day Freight Third business day.* Saturday Delivery NOT available.
* Call for Confirmation. ** To most locations.

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* Declared value limit \$500.

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☐ SATURDAY Delivery NOT Available for FedEx Standard Overnight, FedEx Express Saver, or FedEx 3Day Freight.
☐ HOLD Weekday at FedEx Location NOT Available for FedEx First Overnight.
☐ HOLD Saturday at FedEx Location Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.
Does this shipment contain dangerous goods?
One box must be checked.
☐ No ☐ Yes As per attached Shipper's Declaration. ☐ Yes Shipper's Declaration not required. ☐ Dry Ice Dry ice, 9, UN 1845 x kg
Dangerous goods (including dry ice) cannot be shipped in FedEx packaging. ☐ Cargo Aircraft Only

7 Payment Bill to: Enter FedEx Acct. No. or Credit Card No. below.
☒ Sender Acct. No. in Section 1 will be billed. ☐ Recipient ☐ Third Party ☐ Credit Card ☐ Cash/Check
FedEx Acct. No. Exp. Date
Total Packages Total Weight Total Declared Value*
\$.00
*Our liability is limited to \$100 unless you declare a higher value. See back for details. By using this Airbill you agree to the service conditions on the back of this Airbill and in the current FedEx Service Guide, including terms that limit our liability.

8 Residential Delivery Signature Options If you require a signature, check Direct or Indirect.
☐ No Signature Required Package may be left without obtaining a signature for delivery.
☐ Direct Signature Someone at recipient's address may sign for delivery. Fee applies.
☐ Indirect Signature If no one is available at recipient's address, someone at a neighboring address may sign for delivery. Fee applies.
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PETITION FOR CHANGE

(WATER CODE 1700)

____ Point of Diversion, XX Point of Rediversion, XX Place of Use, _____ Purpose of Use, _____ Split
Application 4768 Permit 2529 License 1388

If the change petition is being submitted for the purpose of requesting to split the water right between two or more owners, see page 2.

I (we) hereby petition for change(s) noted above and shown on the accompanying map and described as follows:

Point of Diversion or Rediversion: (Give coordinate distances in California Coordinates, NAD 83, or other ties as allowed by CCR, tit. 23, section 715. Also provide the 40-acre subdivision in which the present and proposed points of diversion lie.)

Present POD S18° 10'E, 3420 feet from NW corner of Sec. 26, T5N, R10E, MDB&M, being within NW1/4 of SW1/4 of said Section 26 (see State Engineer Order, April 14, 1952 – Order Allowing Correction of Description of Point of Diversion)

Proposed Addition of PORD S41° 33'W, 1824 feet from E1/4 corner of Sec.6, being within SE1/4 of SE1/4 of Sec. 6, T4N, R9E, MDB&M

Place of use (If irrigation, then state number of acres to be irrigated within each 40-acre tract.)

Present POU NW1/4 of SW1/4 of Section 26, T5N, R10E, MDB&M (Pardee Powerhouse)

Proposed Addition to POU NW1/4 of SE1/4 of Section 6, T4N, R9E, MDB&M (Camanche Powerhouse)

Purpose of Use

Present: No Change Requested

Proposed: No Change Requested

GIVE REASON FOR PROPOSED CHANGE: See Attachment

WILL THE OLD POINT OF DIVERSION OR PLACE OF USE BE ABANDONED: (yes or no) No

WATER WILL BE USED FOR Power PURPOSES.

I(we) have access to the proposed point of diversion or control the proposed place of use by virtue of?

Ownership XX, lease _____, verbal or written agreement _____. If by lease or agreement, state the name and address of party(s) from whom access has been obtained.

Not Applicable

Are there any persons taking water from the stream between the old point of return flow and the new point of return flow? (yes or no) No. Give name and address of any person(s) taking water from the stream between the present point of diversion or rediversion and the proposed point of diversion or rediversion, as well as any other person(s) known to you who may be affected by the proposed change.

See Files at State Water Resources Control Board

A copy of the petition must be provided to the California Department of Fish and Game (DFG). Indicate the date that the petition was provided to DFG and provide a copy of the transmittal letter to DFG: EBMUD met with DFG on December 11, 2012 to review the petition and the petition was mailed to DFG on December 19, 2012. Transmittal letter attached.

All petitioners must sign at the bottom of page 2.

Fill out this section only if you are requesting to split a water right among multiple owners.

REQUEST FOR DIVISION OF LICENSE/PERMIT

Request to divide License/Permit _____ issued on Application _____ into _____ licenses/permits. Fill out and attach a separate sheet of paper if the water right will be divided among more than two owners, or you need additional space.

ITEM:	First Owner	Second Owners
Name:		
Address:		
Phone Number:		
Source:		
Direct Diversion Quantity Assigned in Gallons Per Day (gpd) or Cubic Feet Per Second (cfs):		
Storage Quantity Assigned (in Acre-Feet):		
Maximum Rate of Diversion to Offstream Storage (cfs)		
Maximum Amount (afa)		
Diversion Season:		
Point(s) of Diversion in CA Coordinates (NAD 83)		
Place of Use (APN Number)		
Purpose(s) of Use		
Note: A map showing the place of use boundaries must be submitted.		

All Petitioners Must Sign Below:

THIS CHANGE DOES NOT INVOLVE AN INCREASE IN THE AMOUNT OF THE APPROPRIATION OR SEASON OF USE.

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 19, 2012 at Oakland, California

 First Owner's Signature and Telephone Number	Richard G. Sykes Director of Water & Natural Resources (510)287-1629	_____ Second Owner's Signature and Telephone Number
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NOTE: All petitions must be accompanied by the **filing fee (see fee schedule at www.waterrights.ca.gov)** made payable to the State Water Resources Control Board and an **\$850 fee** made payable to the Department of Fish and Game must accompany a change petition. Separate petitions are required for each water right.

December 19, 2012

Attachment to Hydropower Petitions for Change

Application 4768, Permit 2529, License 1388
Application 5128, Permit 3587, License 6062
Application 15201, Permit 10479

This Attachment is provided to more fully address the "Give Reason for Proposed Change" line on the Petition for Change form.

GIVE REASON FOR PROPOSED CHANGE:

Existing License 1388, License 6062, and Permit 10479 are held by the East Bay Municipal Utility District (EBMUD) for storage and direct diversion at Pardee Reservoir of water from the Mokelumne River for non-consumptive hydroelectric generation purposes. These change petitions are filed to make technical clarifications to conform License 1388, License 6062, and Permit 10479 to state and federally required terms and conditions and other downstream release obligations. As described below, these terms and conditions mandate EBMUD to operate to meet certain requirements, including fishery flows, temperature management, and flood control. In addition, EBMUD must meet its obligations to downstream water rights holders.

Under the proposed change petitions, EBMUD therefore seeks to: (1) confirm Camanche Dam as a point of redirection and (2) confirm Camanche Powerhouse as an additional place of use to License 1388, License 6062, and Permit 10479. These change petitions will not result in any new construction, no changes to EBMUD's operations will occur, and the petitions envision EBMUD's continuing authorized use of these existing facilities.

Requested Change Petitions

License 1388, License 6062, and Permit 10479 currently identify the Pardee Powerhouse as the place of use and Pardee Dam as the point of diversion. Water use at Pardee Powerhouse includes direct diversion of inflow and withdrawal from storage. Camanche Powerhouse will be added to the place of use under License 1388, License 6062, and Permit 10479 to clarify that water used at the Pardee Powerhouse is used again at the downstream Camanche Powerhouse for power generation purposes. Camanche Dam will be added as a point of redirection to clarify that water released from Pardee reservoir is redirected at Camanche Reservoir and used later at Camanche Powerhouse for power generation purposes. Rediversion of water released from Pardee Reservoir to Camanche Reservoir does not involve additional appropriation of water or

expansion of the authorized seasons under License 1388, License 6062, and Permit 10479.

Background

Camanche Reservoir was designed and built to be operated jointly with Pardee Reservoir as an integrated single system and has been operated that way. Integrated reservoir operation allows EBMUD to provide water supply while meeting numerous needs and requirements in the lower Mokelumne River, including streamflow regulation, fishery/public trust interests, flood control and obligations to downstream diverters. As explained below, approval of these three change petitions will continue to facilitate effective management of water flows and temperature in Pardee and Camanche Reservoirs and the lower Mokelumne River for the protection and enhancement of fishery resources, as well as to assist in flood control and meeting release obligations to downstream water rights holders.

a) Fishery Flows

The 1998 Joint Settlement Agreement (JSA) between EBMUD, the California Department of Fish & Game (CDFG) and U.S. Fish & Wildlife Service (USFWS) requires EBMUD to make minimum flow releases from Camanche Dam to the lower Mokelumne River for the benefit of the fishery ecosystem. The required releases vary by year type and throughout the year to meet the needs of the life stages of anadromous fish, but whatever the year type, the JSA requires EBMUD to make flow releases year round, in all years. The State Water Resources Control Board's (SWRCB) Decision 1641 (2000) added the JSA flow schedules as required releases under EBMUD's License 11109 and Permit 10478, while the Federal Energy Regulatory Commission (FERC) approved the JSA in 1998, requiring the JSA flow releases under EBMUD's FERC License. As a result, under state and federally imposed terms and conditions imposed after License 1388, License 6062, and Permit 10479 were issued, EBMUD is required to make specified minimum fishery flow releases from Camanche Dam to the lower Mokelumne River.

In order to have sufficient water available to make the required fishery flow releases from Camanche Dam, EBMUD must at times release water from Pardee Reservoir downstream to Camanche Reservoir. EBMUD customarily makes these releases from Pardee to Camanche Reservoir via the Pardee Powerhouse. These releases may then be passed through the Camanche Powerhouse and released downstream to the Mokelumne River, or they may be stored in Camanche Reservoir for future withdrawal through the Camanche Powerhouse and release downstream to the Mokelumne River. These change petitions are therefore filed to conform EBMUD's Pardee hydroelectric water rights to the fishery flow

requirements of the JSA, EBMUD's FERC License, and the SWRCB's Decision 1641.

b) Temperature Management

Camanche and Pardee Reservoirs are typical of moderately deep, warm-climate reservoirs in that they are thermally stratified in the summer, meaning that they are warmer at the top and colder at the bottom. The JSA requires EBMUD to use its best efforts to maintain Pardee and Camanche Reservoir stratification under certain conditions so that cold water is available in the lower levels of Camanche reservoir to release downstream to the Mokelumne River in the late summer/fall to benefit returning adult anadromous fish. This provision essentially requires the integrated operation of Pardee and Camanche Reservoirs to manage temperatures. Decision 1641 added this requirement to EBMUD's License 11109 and Permit 10478, while FERC's approval of the JSA included the temperature management provision as well, adding it as a FERC License requirement.

Given reservoir bathymetry and EBMUD's operational experience, the best management practice is to retain cool water in the deeper Pardee Reservoir for release downstream to Camanche Reservoir in the late summer/fall. (As noted above, EBMUD customarily makes these releases from Pardee to Camanche Reservoir via the Pardee Powerhouse.) This replenishes the Camanche Reservoir hypolimnion to enable the release of cool water from Camanche Reservoir to the Mokelumne River in the critical fall anadromous fish spawning season. The releases to the Mokelumne River are customarily made through the Camanche Powerhouse. These change petitions are therefore filed to conform EBMUD's Pardee hydroelectric water rights to the existing requirements contained in the JSA, EBMUD's FERC License, and the SWRCB's Decision 1641 that EBMUD use its best efforts to effectively manage water temperature in Pardee and Camanche Reservoirs for the protection and enhancement of lower Mokelumne River fishery resources.

c) Flood Control

EBMUD is required by the U.S. Army Corps of Engineers to maintain specified flood control space in Pardee and Camanche Reservoirs combined. Providing flood control, while simultaneously also meeting the JSA fishery flow and temperature management requirements, as well as meeting the obligations of downstream water right holders and EBMUD's municipal water supply obligations, requires complex balancing of a variety of factors. To do so, EBMUD must at times move water from Pardee to Camanche Reservoir to minimize reservoir spilling and downstream flooding. As noted above, EBMUD customarily releases water from Pardee to Camanche Reservoir via the Pardee Powerhouse. The water is then subsequently released downstream to the Mokelumne River through the Camanche Powerhouse after the high flows recede. These petitions are therefore filed to clarify that EBMUD's Pardee hydroelectric

operations facilitate flood control operations necessary to meet U.S. Army Corps of Engineers flood control requirements.

d) Obligations to Downstream Water Right Holders

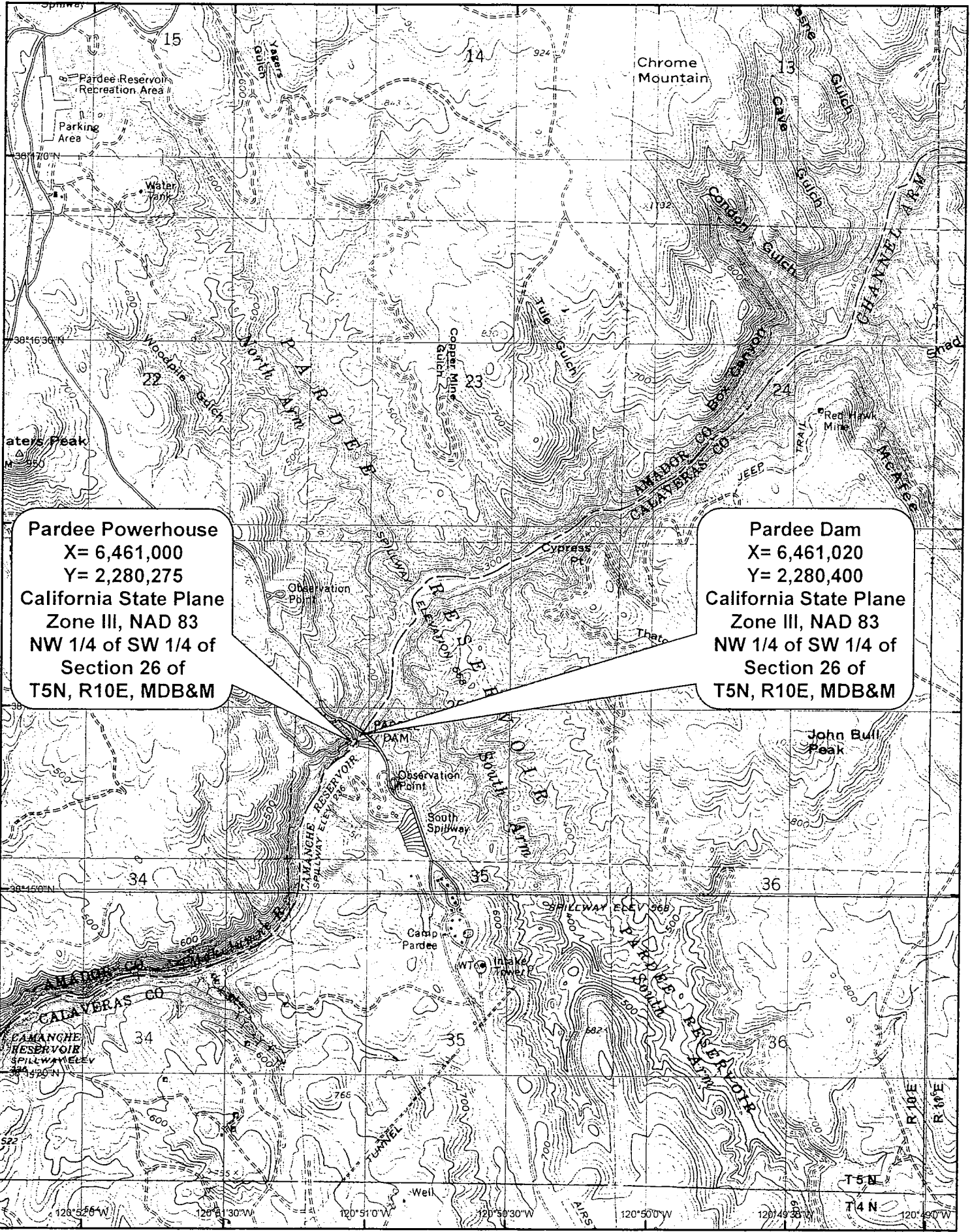
EBMUD also makes releases from Camanche Reservoir to the lower Mokelumne River to meet its obligations to downstream water rights holders, including riparian right holders, and to meet the terms of water rights agreements. These releases may be made concurrently with the required fishery flow, temperature management and flood control releases described above, and involve moving water from Pardee to Camanche Reservoir, customarily via the Pardee Powerhouse, and in turn from Camanche Reservoir to the lower Mokelumne River via the Camanche Powerhouse. These change petitions are therefore filed to confirm that EBMUD's Pardee hydroelectric operations facilitate meeting existing downstream obligations.

Summary

In summary, EBMUD must release water from Pardee Reservoir to Camanche Reservoir for a variety of purposes. It does so at various times to assist it in meeting state and federally imposed terms and conditions, including releases to meet fishery flow release requirements, temperature management requirements, and flood control requirements, as well as releasing water to meet its obligations to downstream water rights holders. In conducting these authorized and/or mandated operations, water is customarily released from Pardee to Camanche Reservoir through the Pardee Powerhouse, and in turn through the Camanche Powerhouse to the Mokelumne River.

EBMUD does not operate its powerhouses to generate power as a primary purpose of operating Pardee and Camanche Reservoirs. Rather, EBMUD generates hydropower incidentally, when it is otherwise making required releases for the other purposes described above. These are not discretionary releases; instead, as described above they are required by either regulatory agencies and/or water rights settlement agreements. When EBMUD is making these required releases, it is reasonable and sound public policy to do so through the powerhouses so that green power can be concurrently generated.

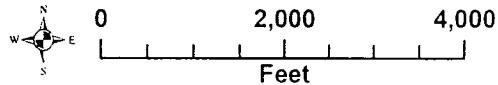
EBMUD is therefore filing these petitions to clarify that its Pardee hydroelectric operations at times are required to respond to required terms and conditions imposed on EBMUD by state and federal agencies, and to meet downstream requirements and obligations.



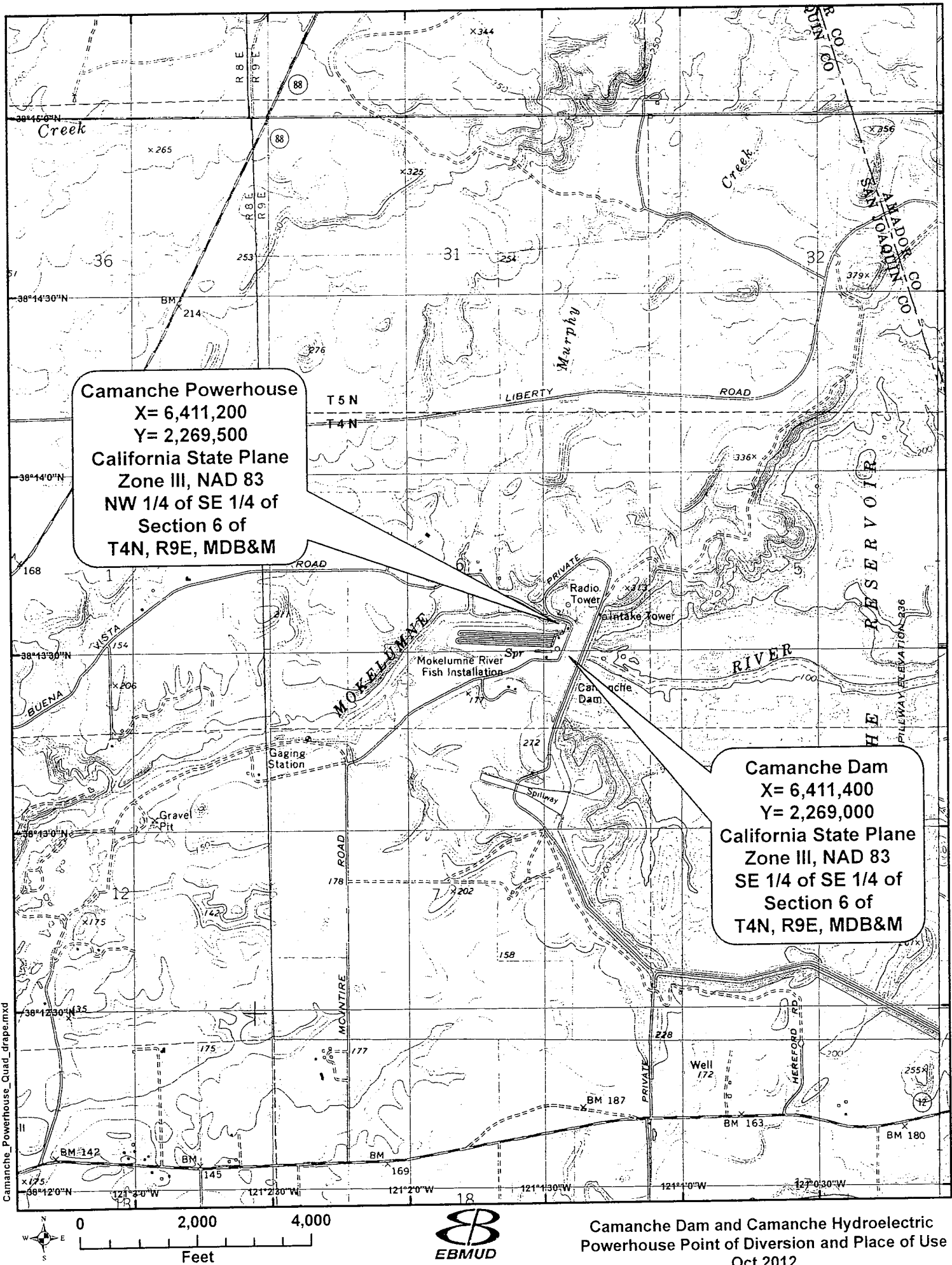
Pardee Powerhouse
X= 6,461,000
Y= 2,280,275
California State Plane
Zone III, NAD 83
NW 1/4 of SW 1/4 of
Section 26 of
T5N, R10E, MDB&M

Pardee Dam
X= 6,461,020
Y= 2,280,400
California State Plane
Zone III, NAD 83
NW 1/4 of SW 1/4 of
Section 26 of
T5N, R10E, MDB&M

Pardee_Powerhouse_Quad_draper.mxd



**Pardee Dam and Pardee Hydroelectric
Powerhouse Point of Diversion and Place of Use**
Oct 2012



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.waterboards.ca.gov/waterrights>

**ENVIRONMENTAL INFORMATION
FOR PETITIONS***

Application 4768, Permit 2529, License 1388

Application 5128, Permit 3587, License 6062

Application 15201, Permit 10479

* Required for all petitions, including change petitions, time extension petitions, wastewater change petitions and instream flow dedication petitions.

Before the State Water Resources Control Board (State Water Board) can approve a petition, the State Water Board 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.

See Attachment No. 1

☒ See Attachment No. 1

2. COUNTY PERMITS (NOT APPLICABLE)

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. ____

3. STATE/FEDERAL PERMITS AND REQUIREMENTS (NOT APPLICABLE)

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) _____

N/A

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. ____

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. ____

d. Have you contacted the California Department of Fish and Game concerning your project? ☒ YES
☐ NO

If YES, name and telephone number of contact: Tina Bartlett, Acting Regional Manager, (916) 358-2900

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 State Water Board will be preparing the environmental document.***
☐ I expect that a California public agency other than the State Water Board will be preparing the environmental document.* Public agency: _____

The three hydropower change petitions will not create potentially significant environmental effects because no changes from existing conditions will occur (the petitions are simply to confirm existing authorized operations) and for the reasons set forth in Attachment 1 hereto. The petitions are exempt under CEQA Guidelines §15061(b)(3) because they will have no significant effect on the environment; §15261 as an ongoing project approved prior to 1970; and §15301 as an existing facility. EBMUD will also include discussion of the petitions in an EIR it is preparing on its time extension petition on Permit 10478.

☐ See Attachment No. ____

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

** Note: CEQA requires that the State Water Board, 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 State Water Board, 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?

NA

☐ 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 If YES, explain:

☐ See Attachment No. _____

7. ENVIRONMENTAL SETTING

Attach **two 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.

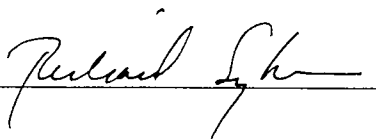
☐ Along the stream channel immediately upstream from the proposed point(s) of diversion.

☒ 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.

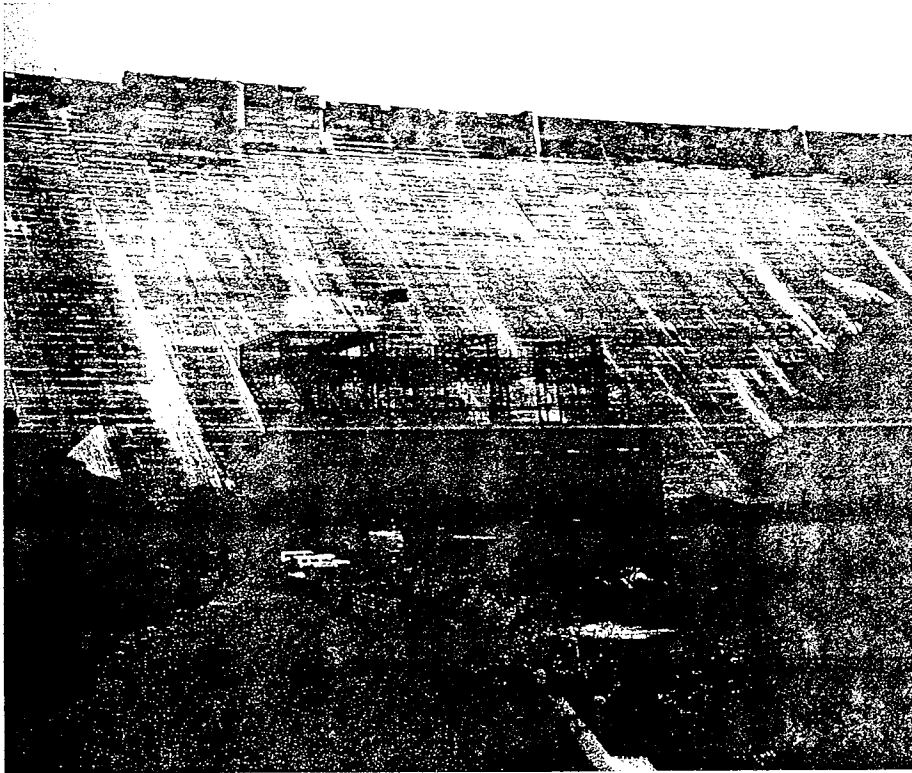
Date: 12-19-12

Signature: 

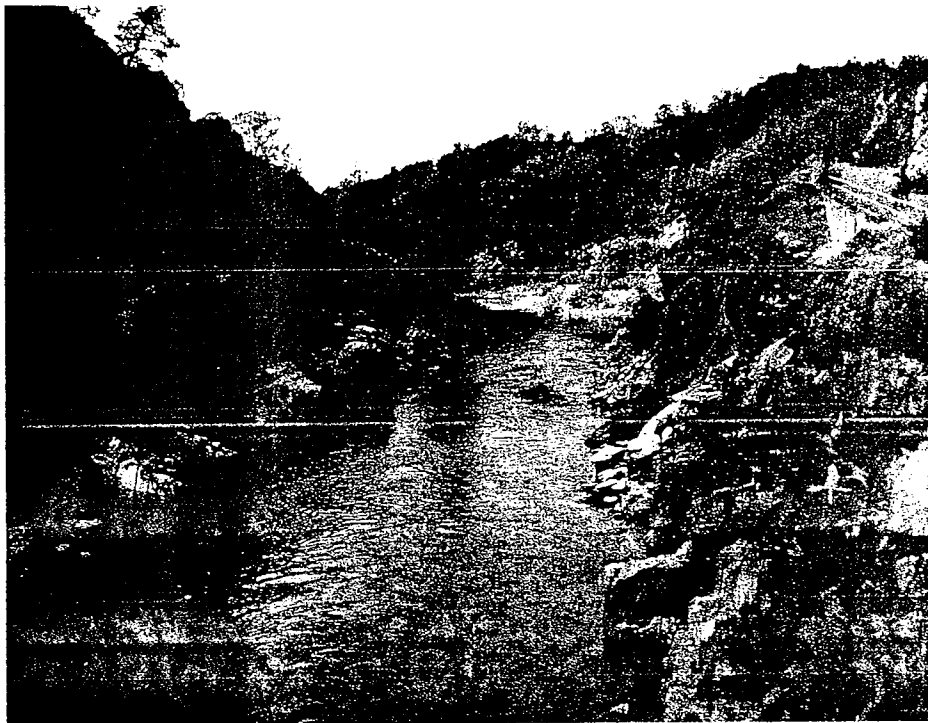
Attachment No. 1
to Environmental Information Form for
Hydropower Petitions for Change submitted
by East Bay Municipal Utility District

Existing License 1388, License 6062, and Permit 10479 are held by the East Bay Municipal Utility District (EBMUD) for storage and direct diversion at Pardee Reservoir of water from the Mokelumne River for non-consumptive hydroelectric generation purposes. These change petitions are filed to make technical clarifications to conform License 1388, License 6062, and Permit 10479 to state and federally required terms and conditions and other downstream release obligations. These terms and conditions mandate EBMUD to operate to meet certain requirements, including fishery flows, temperature management, and flood control. In addition, EBMUD must meet its obligations to downstream water rights holders.

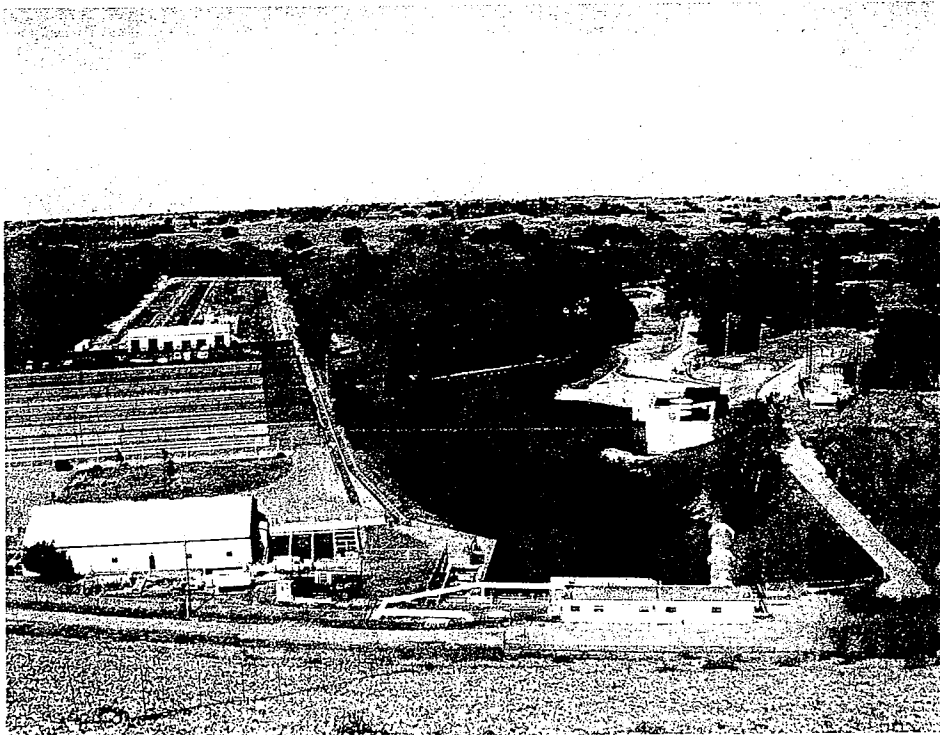
Under the proposed change petitions, EBMUD therefore seeks to: (1) confirm Camanche Dam as a point of redirection and (2) confirm Camanche Powerhouse as an additional place of use to License 1388, License 6062, and Permit 10479. These change petitions will not result in any new construction, no changes to EBMUD's operations will occur, and the petitions envision EBMUD's continuing authorized use of these existing facilities.



Pardee Dam (Existing Point of Diversion)
Pardee Powerhouse (Existing Place of Use)



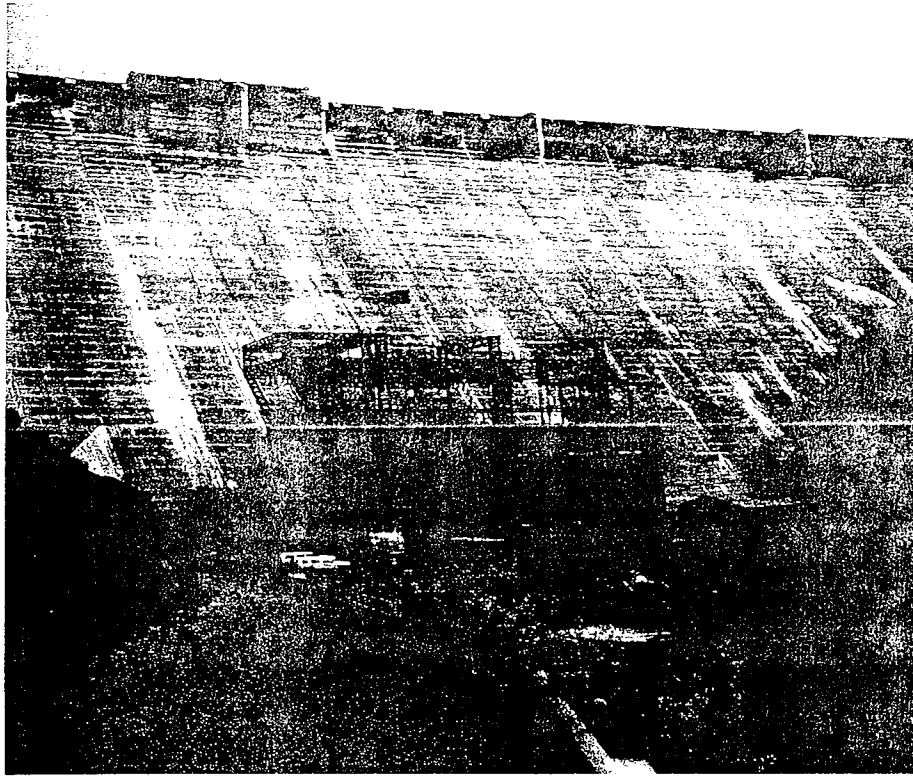
Area immediately downstream from Pardee Dam and Powerhouse (Existing Point of Diversion and Place of Use)



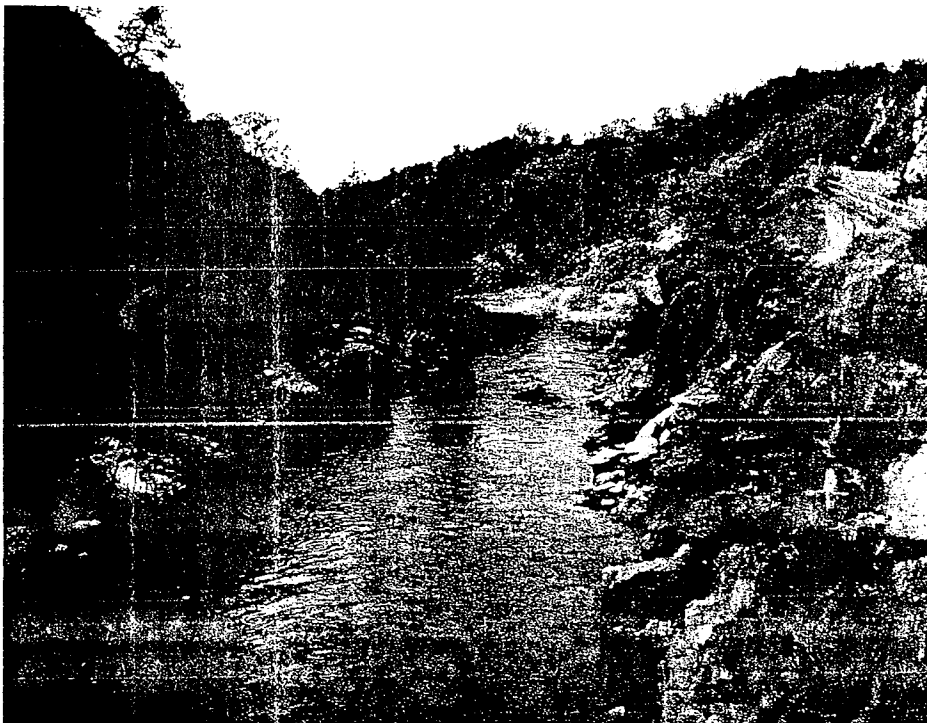
Camanche Dam (Proposed Point of Rediversion)

Camanche Powerhouse (Proposed Place of Use)

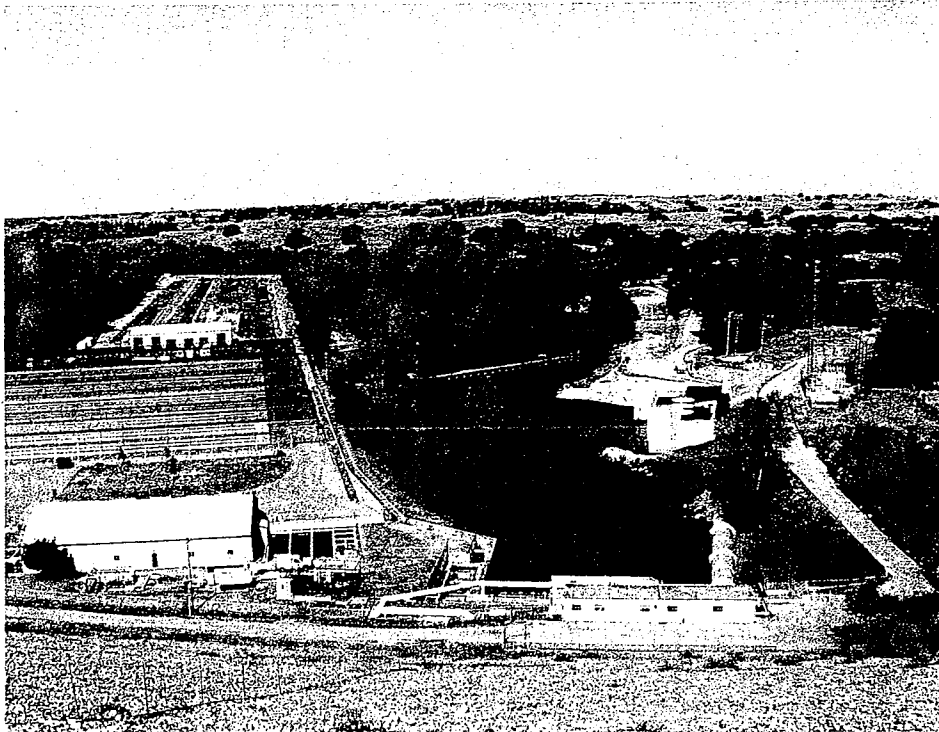
Stream channel immediately downstream from Camanche Dam and Powerhouse



Pardee Dam (Existing Point of Diversion)
Pardee Powerhouse (Existing Place of Use)



Area immediately downstream from Pardee Dam and Powerhouse (Existing Point of Diversion and Place of Use)



Camanche Dam (Proposed Point of Rediversion)

Camanche Powerhouse (Proposed Place of Use)

Stream channel immediately downstream from Camanche Dam and Powerhouse