HERUM \ CRABTREE
ATTORNEYS

Karna E. Harrigfeld
kharrigfeld@herumcrabtree.com

March 19, 2010

Katherine Gaffney
State Water Resources Control Board
Division of Water Rights
1001 I Street, 14th Floor
Sacramento, California 95814

Re: North San Joaquin Water Conservation District – Amendment of Change Petition

Dear Ms. Gaffney:

On June 1, 2007, North San Joaquin Water Conservation District ("North San Joaquin") submitted Petitions for Change in Place and Purpose of Use, Distribution of Storage, Modification of Permit Terms, and an Underground Storage Supplement for Permit 10477 ("Change Petition"). Among other things, the Change Petition requested that the Place of Use for Permit 10477 be changed as follows:

Present: 45,000 net acres within gross area of 52,000 acres being within the service are of the North San Joaquin Water Conservation District including Township 3 North, Ranges 6, 7, 8 East, and T4N, Ranges 6, 7, and 8 East, MDB&M.

Proposed: Within the collective boundaries of North San Joaquin Water Conservation District, Stockton East Water District, and Central San Joaquin Water Conservation District, and additional areas within the spheres of influence of the City of Stockton and City of Lodi, as shown on the map accompanying this petition.

North San Joaquin has since decided to amend its Change Petition to propose a decrease in the size of the District's proposed place of use. At this time, North San Joaquin would request that its Change Petition be amended with regard to its proposed place of use as follows:

Present: 45,000 net acres within gross area of 52,000 acres being within the service area of the North San Joaquin Water Conservation District including Township 3 North, Ranges 6, 7, 8 East, and T4N, Ranges 6, 7, and 8 East, MDB&M.

Proposed: Within the boundaries of North San Joaquin Water Conservation District, including those areas annexed to the District in 2007, as shown on the map accompanying the District's request for amendment.

Accompanying this letter please find a map depicting North San Joaquin's revised proposed place of use.

Should you have any questions, please do not hesitate to contact me.

Very truly yours,

KARNA E. HARRIGFELD
Attorney-at-Law

KEH:akg

ENCLOSURE

cc: Edward M. Steffani

HERUM\CRABTREE
ATTORNEYS

KDM/KMG

STATE WATER RESOURCES CONTROL BOARD
10 JUL 13 AM 9:44
DIV. OF WATER RIGHTS SACRAMENTO

Karna E. Harrigfeld
kharrigfeld@herumcrabtree.com

July 8, 2010

Ms. Katherine Gaffney
State Water Resources Control Board
Division of Water Rights
1001 I Street, 14th Floor
Sacramento, California 95814

Re: North San Joaquin Water Conservation District – Amendment of Change Petition

Dear Ms. Gaffney:

By letter dated May 6, 2010, the State Water Resources Control Board ("Board") confirmed receipt of North San Joaquin Water Conservation District's ("North San Joaquin) request to amend its petition to change water right Permit 10477 (Application 12842) and informed North San Joaquin that it would proceed with processing the petition as amended.

North San Joaquin's amendment reduced the change petition's proposed place of use. As a result of this reduction, North San Joaquin's proposed points of diversion also need to be amended. Therefore, North San Joaquin requests that the following Point of Diversion or Rediversion be deleted from its petition:

Map Point	Description	40-acre subdivision of public land survey or projection thereof	Section	Township	Range	Base and Meridian
7	Diversion and Rediversion: California Coordinate Zone 3, North 604,050 feet and East 1,771,000 feet	SW ¼ of NW ¼	35	4N	6E	MD

A revised map showing the amended place of use and the remaining points of diversion is included with this letter.

Very truly yours,

KARNA E. HARRIGFELD
Attorney-at-Law

KEH:md
ENCLOSURE

cc: Mr. Ed Steffani, North San Joaquin Water Conservation District

KMG
A012842

HERUM\CRABTREE
ATTORNEYS

STATE WATER RESOURCES
CONTROL BOARD

2013 FEB -5 AM 10:39

DIV OF WATER RIGHTS
SACRAMENTO

Jennifer L. Spaletta
jspaletta@herumcrabtree.com

January 31, 2013

VIA E-MAIL AND U.S. MAIL
Katherine Gaffney
State Water Resources Control Board
Division of Water Rights
1001 I Street, 14th Floor
Sacramento, CA 95814

Re: North San Joaquin Water Conservation District
Amendment to Pending Petition for Change for Permit 10477(Application 12842)

Dear Ms. Gaffney:

The purpose of this letter is to request formal amendment to the Petition for Change for Permit 10477 filed on June 1 2007 to:

1. Add a new point of diversion for the Tracy Lake Recharge Project; and
2. Add a new point of diversion at the Woodbridge Irrigation District Dam to wheel water to the City of Lodi.

These two changes are requested to enable North San Joaquin Water Conservation District (NSJ) to implement its revised Construction and Operations Plan (October 2012) to put the full amount of water under its permit to beneficial use.

The details associated with the two new points of diversion are as follows:

Tracy Lake Recharge Project (POD#8)

In 2011, NSJ was fortunate to receive a Federal Bureau of Reclamation Grant to fund a portion of the cost of a new diversion facility on the Mokelumne River that will provide water for direct recharge (utilizing an existing area known as Tracy Lake) and for irrigation to lands that currently use groundwater (effectuating in-lieu recharge). In 2012, NSJ was successful in forming an improvement district to fund the balance of the cost of the project. The attached Environmental Form provides details about the project's construction and operations.

The project requires a new point of diversion on the Mokelumne River at the following location in the West ½ of the SE ¼ of Section 8, Township 4 North, Range 6 East, Mount Diablo Base and Meridian:

NAD83 State Plane Coordinates:
N =2263230
E = 6319530

We have denoted this "POD #8" for purposes of the Change Petition. The initial diversion will be 15 cfs with possible future expansion to 40 cfs. Water will be pumped from the river and put into Tracy Lake. Some water will be allowed to percolate for direct recharge. The balance will be diverted from the lake for irrigation of adjacent vineyards that are currently using groundwater.

The vineyards to be irrigated are all included in the expanded NSJ jurisdictional boundary (as of 2007) that is already part of the pending Petition for Change to enlarge the place of use under Permit 10477.

The water that is directly recharged will be stored in accordance with the underground storage supplement that is also part of the pending Petition for Change.

The District has been meeting with landowners, Woodbridge Irrigation District and East Bay MUD to ensure that operation of this new project will not adversely impact other water users on the river or interfere with Joint Settlement Agreement operations. As a result of these meetings the district has agreed to utilize a variable speed motor on the pump and to install appropriate flow measurement devices near the new point of diversion to help coordinate operations and avoid injury.

Woodbridge Irrigation District Dam (POD #7)

The June 1, 2007 Change Petition requested a new POD #7, which is the Woodbridge Irrigation District dam at Lodi Lake. At the time the Petition was filed, NSJ contemplated wheeling water through the Woodbridge canal for potential sale to areas outside the NSJ boundaries. This potential use drew several protests. In response to the protests about selling water outside of the District, NSJ requested that the Change Petition delete expansion of the permitted place of use beyond the NSJ boundaries and that POD #7 be removed. We are now asking that POD #7 remain part of the Change Petition, but for a different purpose.

NSJ has had productive discussions with Woodbridge Irrigation District and the City of Lodi about temporary sales of water under Permit 10477 to the City of Lodi for use in its new water treatment plant, located at Lodi Lake. Sale of surface water to the City would enable the City to pump less groundwater from the portion of the critically overdrafted basin that is within NSJ's boundaries. These temporary sales would fill in the City's water supply portfolio during months in which supplies from Woodbridge Irrigation District are limited. Finally, these temporary sales would enable NSJ to generate revenue needed to repair its existing agricultural delivery infrastructure to deliver more water for irrigation under Permit 10477.

The sale of water from NSJ to the City of Lodi will not require the construction of any new facilities but will require a wheeling agreement for the use of Woodbridge Irrigation District's existing diversion facility at POD #7.

NSJ's request to add POD #7 back to its pending Change Petition is contingent upon either NSJ or the City of Lodi securing a wheeling agreement with Woodbridge Irrigation District for the use of its facilities. NSJ also agrees that any use of water under Permit 10477 may not infringe on Woodbridge Irrigation District's senior water rights or interfere with the ability of Woodbridge Irrigation District to satisfy fishery flow requirements imposed upon it by the Joint Settlement Agreement.

The majority of the City of Lodi is included in the NSJ jurisdictional boundary, thus no change to the place of use (other than to enlarge it to the current NSJ boundary as is currently requested in the pending Petition for Change) is required to serve the City of Lodi. NSJ does not plan to use POD#7 for any purpose other than temporary sales to the City of Lodi.

As with the Tracy Lake Recharge project, the District's sale of water to the City of Lodi would need to be coordinated with WID and EBMUD operations to avoid interference with performance of obligations under the Joint Settlement Agreement.

Points of Diversion #5 and #6

The pending Petition includes PODs #5 and #6. The District has no plans to pursue projects from these two locations at this time and these PODs can be removed from the pending Petition.

Amended Map

I have attached a draft amended map to show existing PODs #1, 2, 3 and 4 and proposed PODs # 7 and #8. Please let us know if this map will meet your needs and we will ask Wagner & Bonsignore to finalize the amended map.

Next Steps

The District is working on the CEQA documentation for its current revised Construction and Operations Plan. We would like to set a meeting with you to review next steps on processing the pending Petition for Change and Petition for Extension of Time so that we can include any substantive conditions of approval in the CEQA documentation. The Federal Grant that the district received for the Tracy Lake Recharge Project includes a tight time frame to complete the project. Thus, we would like to ensure we

are doing what we can do on our end to move the processing of the District's pending Petitions along as quickly as possible.

As always, thank you for your assistance with this matter. Please do not hesitate to call me with any questions.

Very truly yours,

JENNIFER L. SPALETTA
Attorney-at-Law

JLS:cab
Enclosures

State of California
State Water Resources Control Board
DIVISION OF WATER RIGHTS
P.O. Box 2000, Sacramento, CA 95812-2000
Tel: (916) 341-5300 Fax: (916) 341-5400
http://www.waterboards.ca.gov/waterrights

ENVIRONMENTAL INFORMATION FOR PETITIONS

This form is required for all 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.

DESCRIPTION OF PROPOSED CHANGES OR WORK REMAINING TO BE COMPLETED

For a petition for 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 attached Draft Project Description

Insert the attachment number here, if applicable: 1

Coordination with Regional Water Quality Control Board

For change petitions only, you must request consultation with the Regional Water Quality Control Board regarding the potential effects of your proposed change on water quality and other instream beneficial uses. (Cal. Code Regs., tit. 23, § 794.) In order to determine the appropriate office for consultation, see: http://www.waterboards.ca.gov/waterboards_map.shtml. Provide the date you submitted your request for consultation here, then provide the following information.

Date of Request: 11/1/12

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

Will a waste discharge permit be required for the project? ( ) Yes (●) No

If necessary, provide additional information below:

Section 401 Water Quality Certification will be obtained to address potential temporary water quality effects resulting from construction activity. It is anticipated that the temporary construction activity may qualify for exemption from the SWRCB General Construction Activity NPDES Stormwater Permit (Order 2009-0009-DWQ) via the Small Construction Rainfall Erosivity Waiver. However, if the waiver is not applicable, the NSJWCD will obtain authorization under the General Construction permit.

Insert the attachment number here, if applicable: [ ]

Local Permits

For temporary transfers only, you must contact the board of supervisors for the county(ies) both for where you currently store or use water and where you propose to transfer the water. (Wat. Code § 1726.) Provide the date you submitted your request for consultation here.

Date of Contact: n/a

For change petitions only, you should contact your local planning or public works department and provide the information below.

Person Contacted: Steven Mayo Date of Contact: August 2012

Department: San Joaquin Council of Governments Phone Number: 209-468-3913

County Zoning Designation: Agricultural

Are any county permits required for your project? If yes, indicate type below. (●) Yes ( ) No

[ ] Grading Permit [ ] Use Permit [ ] Watercourse [ ] Obstruction Permit

[ ] Change of Zoning [ ] General Plan Change [X] Other (explain below)

If applicable, have you obtained any of the permits listed above? If yes, provide copies. ( ) Yes (●) No

If necessary, provide additional information below:

The NSJWCD will comply with the state and federal Endangered Species Acts for potential effects to terrestrial species via participation in the San Joaquin County Multi-Species Habitat Conservation and Open Space Plan.

Insert the attachment number here, if applicable: [ ]

Federal and State Permits

Check any additional agencies that may require permits or other approvals for your project:

☒ Regional Water Quality Control Board ☒ Department of Fish and Game

☐ Dept of Water Resources, Division of Safety of Dams ☐ California Coastal Commission

☐ State Reclamation Board ☒ U.S. Army Corps of Engineers ☐ U.S. Forest Service

☐ Bureau of Land Management ☐ Federal Energy Regulatory Commission

☐ Natural Resources Conservation Service

Have you obtained any of the permits listed above? If yes, provide copies. ○ Yes ◉ No

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

Agency	Permit Type	Person(s) Contacted	Contact Date	Phone Number
USACE	Section 404		est. Dec. 2012	
DFG	Section 1600		est. Jan 2013	
RWQCB	Section 401		est. Jan 2013	

If necessary, provide additional information below:

The NSJWCD will comply with the Endangered Species Act for anadromous fish species via consultation with the NOAA National Marine Fisheries Service, which will be coordinated by the U.S. Bureau of Reclamation.

Insert the attachment number here, if applicable: ☐

Construction or Grading Activity

Does the project involve any construction or grading-related activity that has significantly altered or would significantly alter the bed, bank or riparian habitat of any stream or lake? ◉ Yes ○ No

If necessary, provide additional information below:

Project will involve the construction of a new permanent water diversion in the bed of the Mokelumne River and include a rotating fish screen on the diversion inlet within the river. A pump station will be located adjacent to the diversion facility, on the bank of the Mokelumne River. The diversion pipeline will be installed below grade. Measures (Best Management Practices) will be used to minimize bed and bank disturbances, minimize or avoid direct and indirect discharges of soil and other construction-related contaminants to surface water, and manage stormwater runoff from the site.

Insert the attachment number here, if applicable: ☐

Archeology

Has an archeological report been prepared for this project? If yes, provide a copy. ○ Yes ◉ No

Will another public agency be preparing an archeological report? ○ Yes ◉ No

Do you know of any archeological or historic sites in the area? If yes, explain below. ◉ Yes ○ No

If necessary, provide additional information below:

There have been numerous archaeological investigations of the Tracy Lakes/Jahant Slough area and region. Significant sites demonstrative of early human occupation in North America are known to exist, as well as historical use by Native Americans up until the 1880's. A survey of the project work area will be conducted as a component of the environmental review process for the project.

Insert the attachment number here, if applicable: ☐

Photographs

For all petitions other than time extensions, attach complete sets of color photographs, clearly dated and labeled, showing the vegetation that exists at the following three locations:

☒ Along the stream channel immediately downstream from each point of diversion

☒ Along the stream channel immediately upstream from each point of diversion

☒ At the place where water subject to this water right will be used

Maps

For all petitions other than time extensions, attach maps labeled in accordance with the regulations showing all applicable features, both present and proposed, including but not limited to: point of diversion, point of rediversion, distribution of storage reservoirs, point of discharge of treated wastewater, place of use, and location of instream flow dedication reach. (Cal. Code Regs., tit. 23, §§ 715 et seq., 794.)

Pursuant to California Code of Regulations, title 23, section 794, petitions for change submitted without maps may not be accepted.

All Water Right Holders Must Sign This Form:

I (we) hereby certify that the statements I (we) have furnished above and in the attachments are complete to the best of my (our) ability and that the facts, statements, and information presented are true and correct to the best of my (our) knowledge. Dated 1/31/13 at Stockton, CA.

Jennifer Spaletta, Attorney

Water Right Holder or Authorized Agent Signature

Water Right Holder or Authorized Agent Signature

NOTE:

- **Petitions for Change may not be accepted unless you include proof that a copy of the petition was served on the Department of Fish and Game. (Cal. Code Regs., tit. 23, § 794.)**
- **Petitions for Temporary Transfer may not be accepted unless you include proof that a copy of the petition was served on the Department of Fish and Game and the board of supervisors for the county(ies) where you currently store or use water and the county(ies) where you propose to transfer the water. (Wat. Code § 1726.)**

2.5 Proposed Project Construction and Operations-Maintenance (*Draft 1/31/13*)

2.5.1 Tracy Lake Recharge Project Components

The key components of the Proposed Project that involve new construction and operations include a new water diversion intake structure with fish screen in the Mokelumne River and a pump station and pipeline to convey the diverted water to Tracy Lake. Appurtenances for these facilities would include installing a power line for the pump station, and access road to the pump station and fish screen.

2.5.1.1 Tracy Lake Diversion and Recharge Facilities

The Mokelumne River intake structure will consist of a 12-foot diameter cone shaped fish screen with self-cleaning system supported on a metal base and anchored to four new piles in the river. The cone-shaped fish screen rests on top of a docking-inlet. The docking inlet supports the screen and also conveys water into the pump-station inlet pipe. Water flows through the fish screen surface and into the inlet pipe. The screen material must stay clean for the water to flow properly. To clean the fish screen periodically, three external brushes slowly rotate around the cone screen to brush away material that may have accumulated on the wedge wire screen. The brush arms are both double-hinged and weighted so that they maintain an even load distribution and do not need adjustment and can also rotate around screens in either a clockwise or counter-clockwise direction.

The fish screen system includes a Hydraulic Power Unit (HPU) consisting of a hydraulic motor and pump utilizing food-grade oil, directional control valves, oil reservoir, pressure gauge, and control switches all located inside the panel enclosure. The HPU uses a 3-Phase 480 Volt, 1-1/2 HP Motor with a B4 Pump. The screen uses a hydraulic motor. The enclosure can be easily accessed for inspection of oil levels and to perform routine maintenance. Hydraulic hoses are plumbed from this HPU to the screen unit's hydraulic motor to drive the screen cylinder. A control panel is used to control the hydraulics operation. A control system monitors and controls the fish screen hydraulic system and reports the system status.

The fish screen will meet the fish screen criteria requirements set forth by the National Marine Fisheries Service and the California Department of Fish and Game to protect the salmon run in the river. **Figure 1** below shows a general system overview of the fish screen.

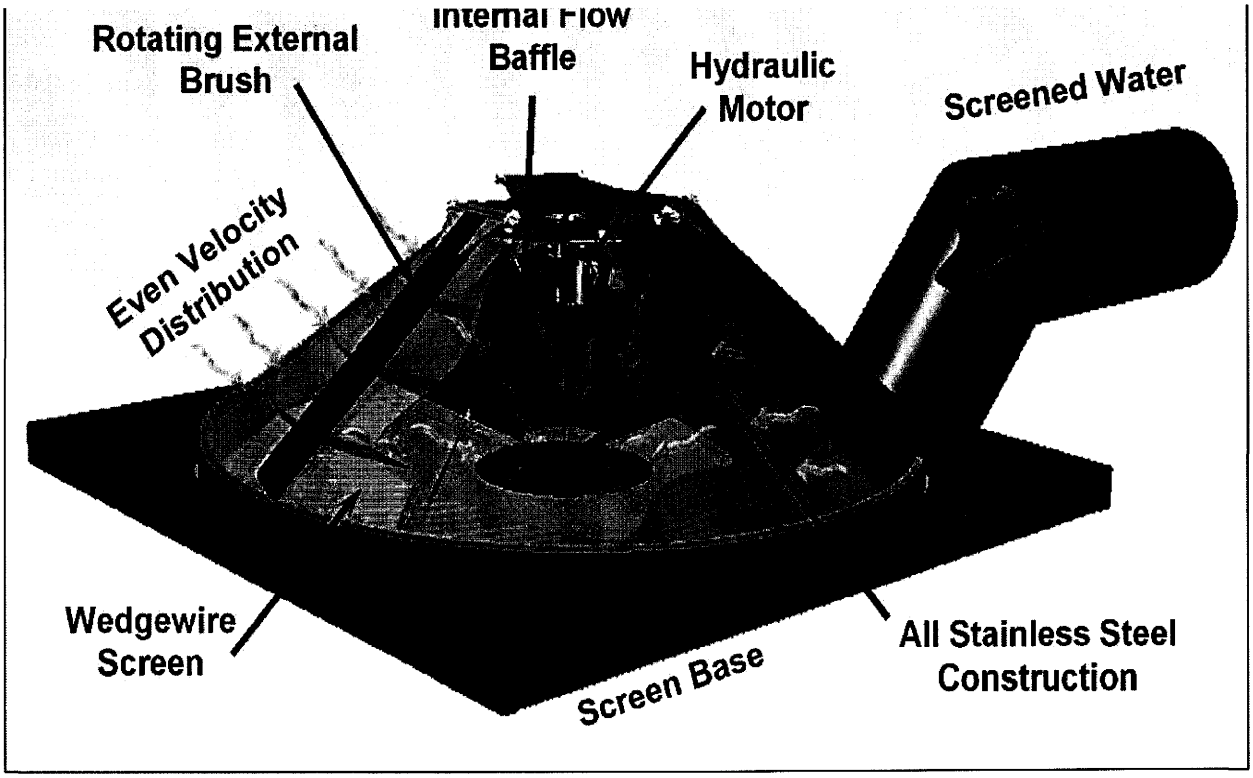


Figure 1 Fish Screen

The North San Joaquin Water Conservation District (NSJWCD) will issue a separate contract for construction of the pump station and conveyance pipeline to Tracy Lake. The new pump will be located on the right bank of the Mokelumne River and be designed to draw up to 40 cubic feet per second (cfs) of water from a wet well placed in the river bank area that is hydraulically connected to the river through the fish screen. A 42-inch inlet pipe will connect this wet well to the intake structure on the river. **Figure 2** shows a general system overview.

The **Diversion System** will consist of:

Wet Well –

a. A 96" or 120" diameter (will be determined in the system final design) galvanized corrugated steel pipe will form the caisson of the wet well.

b. The height of the well will be sufficient to clear the 100-year flood elevation of 28 ft by at least 1 foot – making the total well height about 30 feet.

c. Openings to the wet well through the main floor of the station will be 1 foot above the 100-year flood elevation.

d. The wet well will be a circular and constructed upon a concrete base slab extending approximately 12 to 18 inches beyond the outside dimension of the caisson.

Pumps –

a. The pumping system plan is for the eventual installation of two pumping units respectively producing 25 and 15 cfs at minimum head for a maximum capacity of 40 cfs. The initial pumping unit will have a design capacity of 15 cfs.

b. Ultimately, the pumping units will be driven by variable speed electric motors approximately 125 and 100 horsepower in size, for an approximate 170 KW load.

c. The pump and motor controls will be on a platform above the wet well.

d. The pump and motor will accommodate the full range of delivery heads expected to be encountered (including wet well levels varying between minimum operating and 'flood' levels). The Pumps will use variable speed drives to match the discharge into Tracy Lake to the measured flow being release down the River for the project.

Platform –

a. An expanded galvanized steel platform with rails will provide safe access to the controls and pumps.

b. The manifold off the initial and planned future pump will initially consist of a valve and blind flange for interconnecting the second unit. The manifold design will accommodate future valving to prevent back flow.

Discharge Pipeline -

Discharge Pipeline located as depicted in figure 3 will consist of:

a. From the steel pipe manifold connected to the pump(s), a short segment of 30-inch diameter steel pipe will discharge to an approximate 40-inch concrete standpipe about five feet in height before transitioning underground to a 36-inch diameter low-head pipe having approximately 30 inches of cover. This alignment would continue approximately 1000 feet underground northerly and roughly parallel to the outlet channel, across the easterly portion of the homeowner's lawn and then turn East at about a 45 degree angle and dive down to the bottom of an arm of Tracy Lake. The 36-inch diameter low-head pipe would be placed with a consistent downward slope towards the lake.

Outfall -

The 36-inch diameter pipe would transition from a low-head plastic pipe to an exposed welded steel pipe, which would empty into Tracy Lake over riprap slope protection to dissipate water energy and avoid erosion of the lake bottom.

Access Road -

Along the same alignment of the discharge pipeline, to the east and adjacent to the pipeline, the District will construct all-weather, class 2 aggregate base about 6 inches thick gravel access road with a top width of approximately 12 feet. The total width of the access road and pipeline trench/spoil will be approximately 20 feet. Pressure relief valves will be installed to provide protection to the pipe. Locations and specifications will be determined in final design.

Power Supply -

Pacific Gas and Electricity (PG&E) will supply power to the pump station via underground distribution adjacent to the pipeline. The 12 KV 3-phase supply, presently available via overhead lines along Brovelli Woods Lane would transition to conduit, pass through the padded transformers and then follow the pipeline via 480 KV conduit to the pumping station where it would terminate in the main service panel for metering and switching.

2.5.1.2 Construction Activities

Site Preparation and Restoration - During the construction period, the work area would be accessed from the adjoining Brovelli Woods Lane. Construction personnel, equipment and material transport would access the project area via existing roads and rights-of-way. Staging of equipment and construction materials during the construction of the project would occur on the vacant area south of Brovelli Woods Lane and adjacent to the access road to the pumping plant. This staging site is presently annual grass and weeds requiring rough grading and will temporarily occupy an area of about 1/2 acre. Initial construction activities would involve site preparation including vegetation removal, grubbing, grading, excavation, placement of fill (as necessary), and compaction.

Excavated surplus will remain on-site; select fill materials and aggregates would be brought to the site for foundations of structures, pipes, roadbeds, etc.. Following completion of construction activities, the site contours of temporary disturbance areas would be restored and revegetated with appropriate non-invasive species endemic to the site.

The construction access will require a 20-foot right-of way to accommodate spoil, trench equipment and material staging from Brovelli woods lane to the river. The outfall structure will approximately require 200 feet square area for the outfall pipe, concrete containment ring and placement of riprap.

Access for Construction - Access for construction will require two areas for equipment access: 1) pipeline construction to the site; and 2) access to construction for the outfall and riprap placement. The second access from Brovelli Woods Lane would be between

the oaks in a 15-foot right-of-way from a staging area near the easterly bank of Tracy Lake to the outfall site.

2.5.1.3 Operations and Maintenance

The operations would occur during years when water is available to divert under the District's water right permit, historically during the wettest 60 percent of years. Tentative allocations would occur on or about March 1 and would be confirmed by April 1. Lake filling will commence on April 1 and would fill at the peak pumping capacity installed and within regulatory limits. Depending on weather and soil moisture, diversion from the lake would begin in April. The lake will fill to about elevation 17.5 feet (msl) generally by mid-April to the end of May depending on irrigation demand, percolation rates and residual stored runoff. The district will pump approximately 5,500 acre-feet of water out of Mokelumne River to maintain the lake between minimum and maximum pool elevation of approximately elevation 14 feet (250 acre-feet) and 17.5 feet (600 acre-feet) respectively during the permitted diversion season to allow water supply to the irrigation pumps.

East Bay Municipal Utility District (EBMUD) will prescribe the scheduling of water deliveries in coordination with Woodbridge Irrigation District. The Tracy Lake Improvement District (TLID) will monitor release timing and water stage at the diversion location to maintain river stages either at or above normal controlled flow levels that would occur absent the diversion. To accomplish this objective, flow from the diversion pumps in the Mokelumne River will be varied using a variable frequency drive which will be controlled by a signal from a flow and stage monitor, such as a acoustical Doppler current profiler located in the River in proximity to the diversion point.

Initially, diversion would occur at about 15 cfs of nominal constant rate to fill the lake to the minimum irrigation pumping level of about 14 feet mean sea-level -- where the water is deep enough to begin rediversion for irrigation. This would serve 1,239 acres of irrigated land with an approximate water demand of 2,000 acre-feet per year. Once Tracy Lake begins to fill and gets close to the maximum elevation of 17.5 feet diversions, the diversion rate will be adjusted in an attempt to maintain a constant rate during the irrigation season. These activities will be coordinated with EBMUD and Woodbridge Irrigation District.

Table 1 below shows indicative operation of estimated diversion from the Mokelumne River to Tracy Lake, losses, water supplied to irrigated land and Tracy Lake storage at the end of the month using 15 cfs pump.

Table 1: Indicative Operation showing Estimated Monthly Diversion, Losses, Water Supplied to Irrigated Land and Tracy Lake Storage at the end of the month using 15 cfs Pump.

Month	Diversion from Mokelumne River to Tracy Lake (ac-ft)	Losses (ac-ft)	Water Supplied for Irrigated Land (ac-ft)	End of Month Tracy Lake Storage (ac-ft)
Jan	0	19	0	0
Feb	0	0	0	0
Mar	0	0	0	0
Apr	900	329	133	439
May	900	527	240	572
Jun	510	460	280	342
Jul	930	503	372	397
Aug	930	488	360	479
Sep	480	457	200	299
Oct	810	417	120	572
Nov	0	366	33	173
Dec	0	155	0	18
Total	**5,460**	**3,722**	**1,738**	

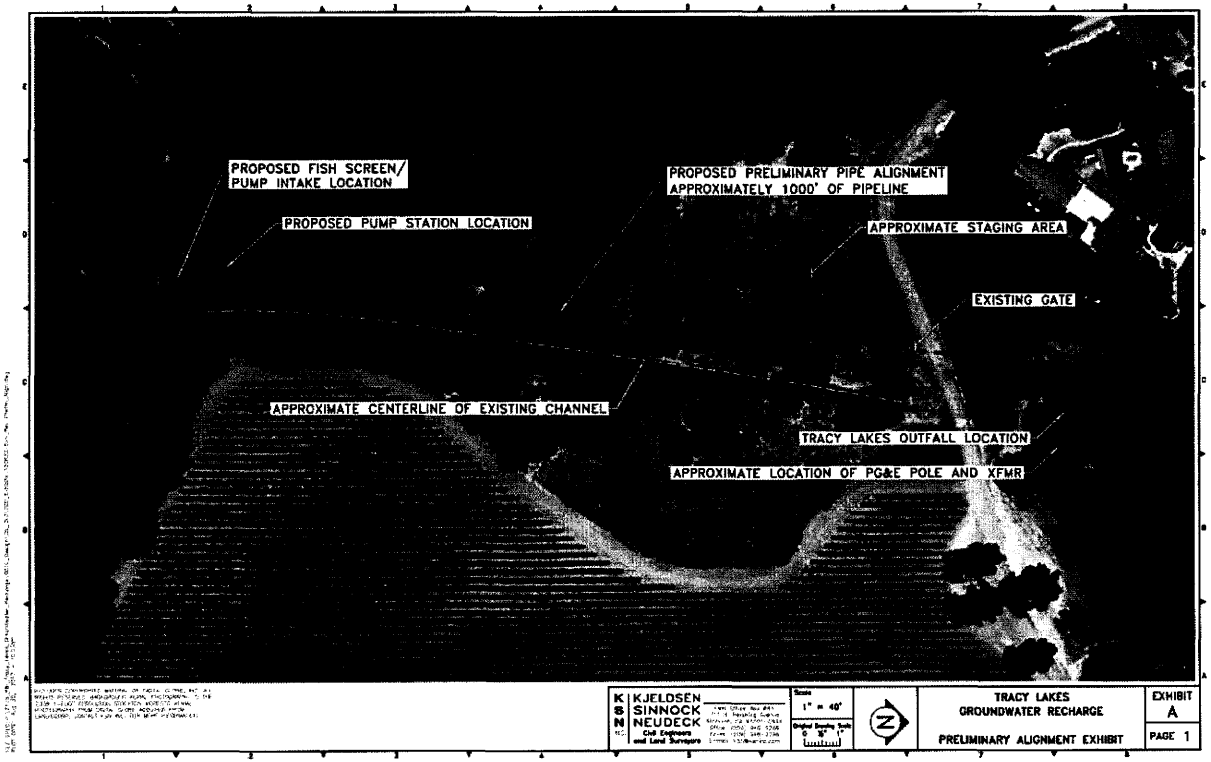
Upon full build out, the diversions would alternate between 15, 25 and 40 cfs as needed to maintain lake level through the permissible diversion season. A 40 cfs diversion would serve approximately 7,000 acres of irrigated land with a water demand of 11,400 acre-feet per year.

Table 2 below shows indicative operation of estimated diversion from the Mokelumne River to Tracy Lake, losses, water supplied to irrigated land and Tracy Lake storage at the end of the month using a 40 cfs pump as a simple replacement to combination of 15 cfs and 25 cfs pumps.

Table 2: Indicative Operation showing Estimated Monthly Diversion, Losses, Water Supplied to Irrigated Land and Tracy Lake Storage at the end of the month using a 40 cfs Pump as a simple replacement to combination of 15 cfs and 25 cfs pumps.

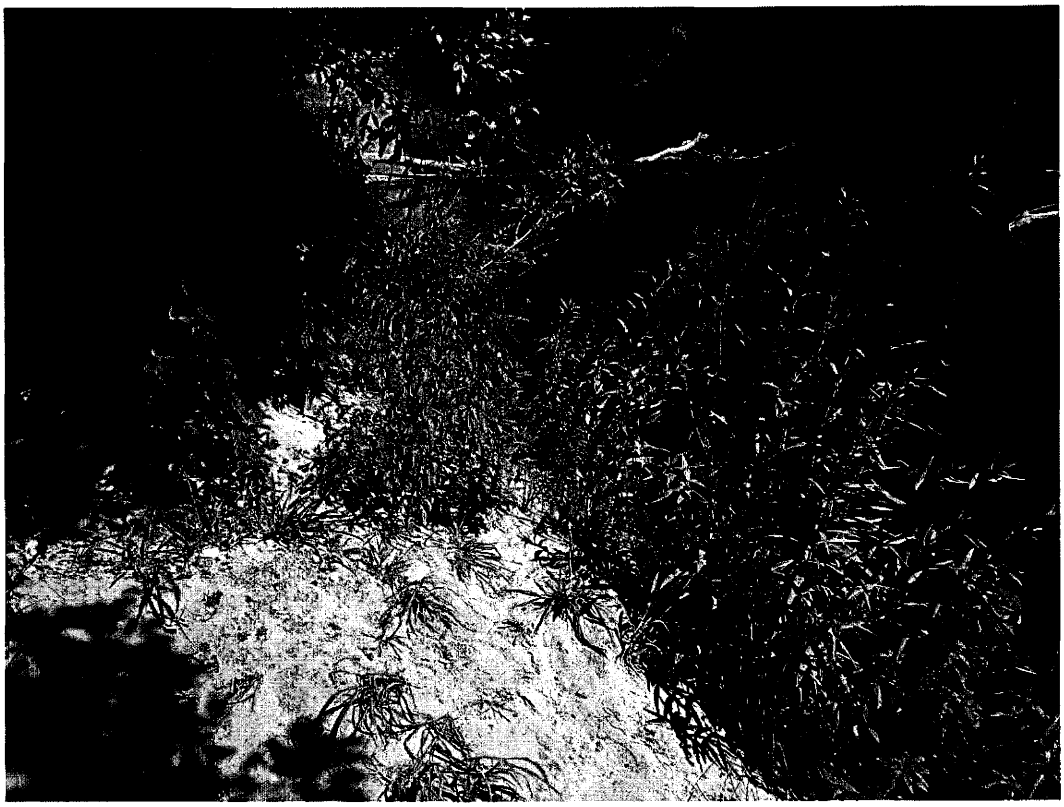
Month	Diversion from Mokelumne River to Tracy Lake (ac-ft)	Losses (ac-ft)	Water Supplied for Irrigated Land (ac-ft)	End of Month Tracy Lake Storage (ac-ft)
Jan	0	4	0	0
Feb	0	0	0	0
Mar	0	0	0	0
Apr	1,840	391	988	462
May	1,760	504	1,368	350
Jun	2,160	532	1,596	382
Jul	2,400	426	2,120	234
Aug	2,480	384	2,052	278
Sep	1,840	433	1,140	545
Oct	1,120	424	684	557
Nov	0	323	122	112
Dec	0	109	0	3
Total	**13,600**	**3,530**	**10,070**	

. **Figure 1. Conveyance pipeline alignment from Mokelumne River to Tracy Lake**



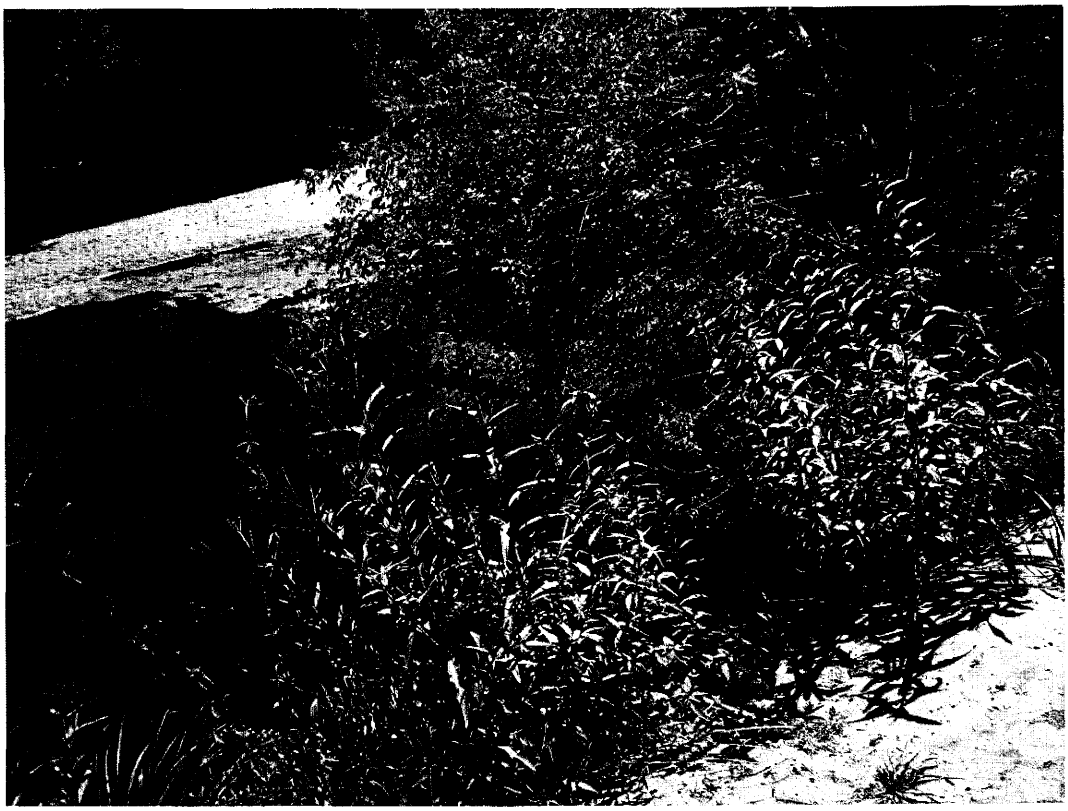
North San Joaquin Water Conservation District
Amendment to Pending Petition for Change for Permit 10477
November _- 2012

Upstream of POD #8:



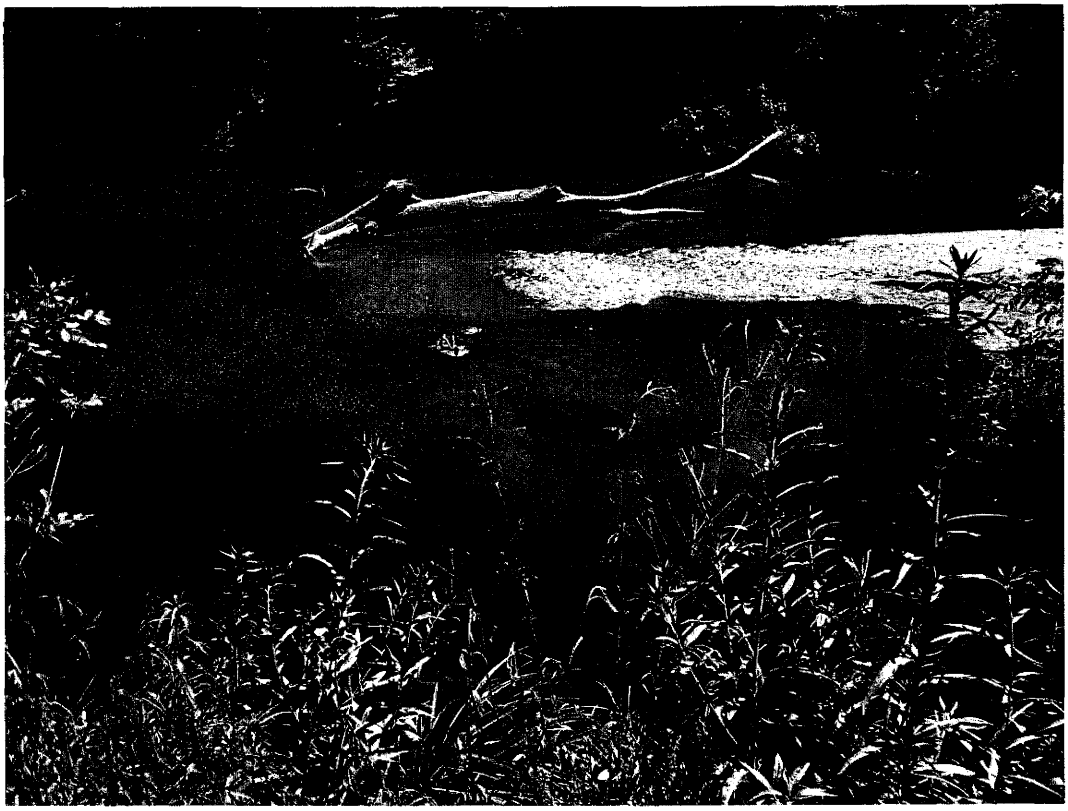
North San Joaquin Water Conservation District
Amendment to Pending Petition for Change for Permit 10477
November _- 2012

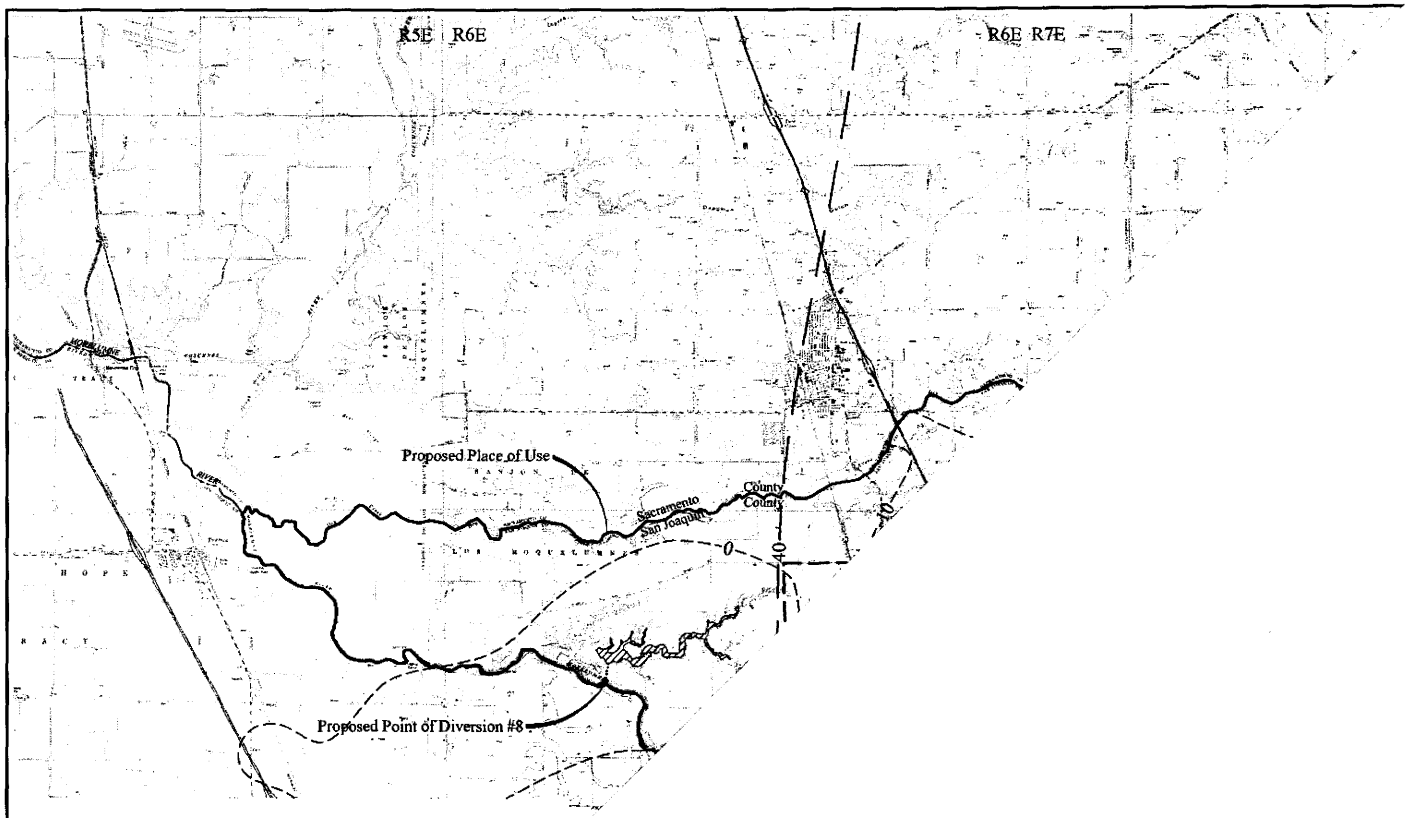
Downstream of POD #8



North San Joaquin Water Conservation District
Amendment to Pending Petition for Change for Permit 10477
November _- 2012

Looking Cross-Channel from location of POD #8





Legend

- Existing Place of Use
- Proposed Place of Use
- Existing Pipeline or Canal
- Proposed Pipeline or Canal
- Lines of Equal Elevation of Groundwater, per San Joa County Flood Control and Water Conservation Dis 1998 Groundwater Report
- Estimated Predevelopment Groundwater C Professional Paper 1401-A, Figure 11
- Point of Diversion
- Existing Recharge Site
- Furture Potential Rech

Map Point	
1	Ca

16 PM

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VIA U.S. MAIL AND ELECTRONIC MAIL

January 3, 2014

Katherine Gaffney
State Water Resources Control Board
Division of Water Rights
P.O. Box 2000
Sacramento, CA 95812

Katherine Mrowka, Chief
Inland Streams Unit
Division of Water Rights
State Water Resources Control Board
P.O. Box 2000
Sacramento, CA 95812

Re: North San Joaquin Water Conservation District
Amendment to Pending Petition for Extension of Time for Permit 10477 (Application 12842)

Dear Ms. Gaffney and Ms. Mrowka:

The purpose of this letter is to request formal amendment to the Petition for Change for Permit 10477. In the petition, North San Joaquin Water Conservation District (North San Joaquin) requested a 15-year extension of the terms of Permit 10477 to December 31, 2025. North San Joaquin would like to amend the petition to request an extension to **December 31, 2040**.

North San Joaquin is requesting this change to be consistent with East Bay Municipal Utility District's (EBMUD) petition for extension of time for Permit 10478, as North San Joaquin's water right under Permit 10477 is derivative of EBMUD's right under Permit 10478.

The District plans to complete its CEQA documentation for the permit extension consistent with this request. We expect our CEQA document to be released for public comment within the next two weeks.

If you believe that re-noticing is required for any of the District's pending petitions for change or petition for extension of time, we respectfully request that this occur as soon as possible. The District received a federal grant for its Tracy Lake Recharge Project, which requires approval of the petitions to proceed. Our current grant schedule anticipates construction in 2014. We want to ensure we move as quickly as possible with the permitting issues to avoid jeopardizing this project.

Please do not hesitate to call with any questions and as always thank you for your assistance with this matter.

Very truly yours,

JENNIFER L. SPALETTA
Attorney at Law