

## Appendix B5. Existing Surface Water Diversions – Intakes (Final Draft)

### 1. Introduction and Purpose

The conceptual configuration of the North Delta Intakes for the Delta Conveyance Project (Project) includes land that overlaps several existing surface water diversions. This Technical Memorandum (TM) presents a summary of permitted water diversions within the Project limits and field investigations by the California Department of Water Resources identified 5 points of diversion with potential impacts. These facilities were reviewed to determine whether they would be temporarily affected during the construction phase of the work, or permanently affected as a result of interference with permanent facilities associated with the Project. During conceptual configuration development, the affected facilities were identified so that adequate mitigation measures could be evaluated during the Project's design progression and to capture these mitigation measures as part of the overall Project.

This section presents a preliminary summary of existing agricultural diversions that could be affected by the Project.

#### 1.1 Organization

This TM is organized as follows:

- Introduction and Purpose
- Affected Surface Water Diversions
- Attachment 1 – Figures
- Attachment 2 – Initial Statement of Water Diversion and Use

### 2. Affected Surface Water Diversions

Each identified diversion was researched in the State Water Resource Control Board's (SWRCB's) web-based Enhanced Water Right Information Management System (eWRIMS) database, which documents the permitted diversion's point of use as well as historical water use reports. For diversions covered by the eWRIMS database, the point of use was reviewed to determine whether the Project footprint affects the irrigated land supplied by the diversion.

The identified surface water diversions within each intake's temporary disturbance area footprint were identified to irrigate land within the temporary disturbance area's boundary limits. Since the irrigated land of these diversions would be part of the Project's land acquisition, the diversions are assumed to also be acquired with the Project's land acquisition phase.

Surface water diversions directly adjacent to the temporary disturbance area footprint could be temporarily affected by the Project's construction phase. Responses for the potential interferences with these diversions could include one or more of the following actions:

- Modify existing diversion land-side distribution features during the non-irrigation season to minimize temporary impacts
- Provide alternate water supply from a permitted source, such as trucking in water, negotiating with adjacent landowners, using diversions acquired on project lands

- Compensate owners for production losses attributable to reduction in water supply from the affected diversions

Potentially affected surface water diversions at the intake sites are summarized in Table 2-1. The associated irrigated lands for each diversion are shown on Figure 2-1 and Figure 2-2 for Intakes C-E-3 and C-E-5 respectively (Attachment 1). Existing records regarding the diversions listed in Table 2-1 for the California State Water Resources Control Board, Electronic Water Rights Information Management System Database (<https://ciwqs.waterboards.ca.gov/ciwqs/ewrims/EWPublicTerms.jsp>) are included in Attachment 2.

**Table 2-1. Intake Affected Surface Water Diversions**

Diversion Application Number	Intake Site	Impacted	Acquired as Part of Project	Maintain Existing Point of Diversion	Irrigated Land Affected
S016915	C-E-3	T	no	yes	Partially Impacted
Not in SWRCB Database	C-E-5	P	yes	no	Fully Impacted
Not in SWRCB Database	C-E-5	P	yes	no	Fully Impacted
S020899	C-E-5	T	no	yes	Partially Impacted
S019784	C-E-5	T	no	yes	Not Impacted

Notes:

T = Temporary

P = Permanent

All diversions are reported as river or creek diversions except as noted above.

Diversions shown as “Acquired” and “Fully Impacted” in Table 2-1 would be removed from service as part of the Project. These diversions and their associated service areas would be completely within the expected land purchase areas for each intake.

Diversions shown as “Temporary” impacted in Table 2-1 would continue to provide water to all or a portion of their designated service areas. AS a result of the work, they would require some modifications to either the area irrigated or the physical distribution systems (i.e. pipes, ditches, etc.) to reach the portions of their service areas that would continue to be served during the Project. None of the actual diversion sites for “Temporary” impacted diversions would be expected to require relocation of the formal point of diversion. Some may require new conveyance facilities through the proposed work areas. Disturbances associated with constructing new conveyance facilities would be within the area identified for temporary or permanent disturbance and would be similar to other construction-phase activities in those areas. Diversions that require conveyance modifications, and possibly alternate supplies during the construction of such modifications, would be expected to require the greatest design, permitting, and land acquisition effort; however, even those efforts are expected to be minimal. Permitting would be expected to mainly include encroachment permits for work in public roads. If alternative supplies are used on a temporary basis, water rights permitting efforts may be required to facilitate the use of the temporary supply. Lead times required for diversion modifications are expected to be shorter than lead times required for primary Project permitting. However, it would be useful to more definitively define the modifications required early in the design development process.

During the Project’s conceptual and final design phases, approaches would be selected on a site-specific basis for each of the identified surface water diversions in coordination with the water rights owner.

**Attachment 1**  
**Figures**



**Legend**

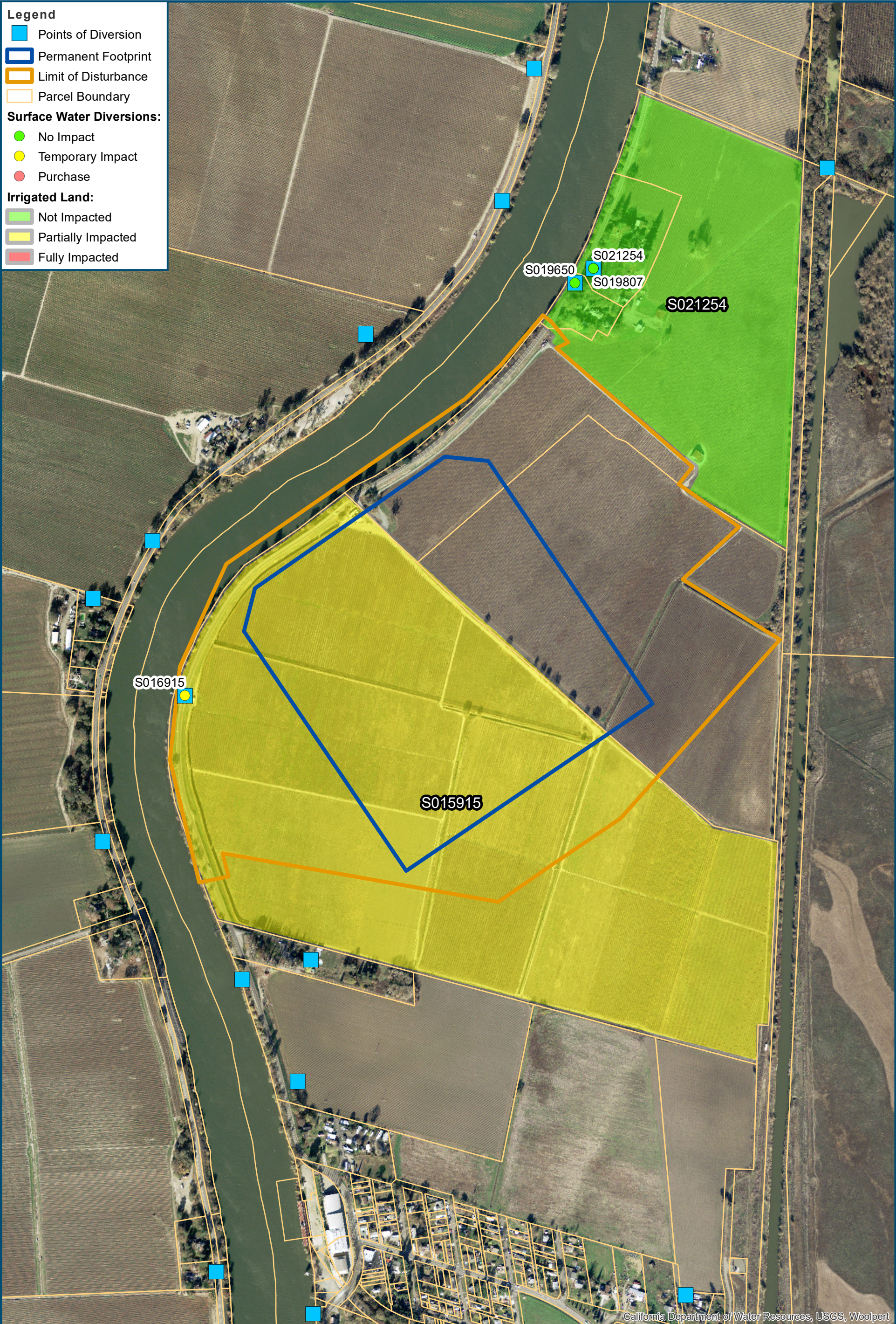
- Points of Diversion
- Permanent Footprint
- Limit of Disturbance
- Parcel Boundary

**Surface Water Diversions:**

- No Impact
- Temporary Impact
- Purchase

**Irrigated Land:**

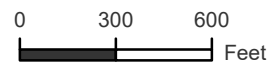
- Not Impacted
- Partially Impacted
- Fully Impacted



California Department of Water Resources, USGS, Woolpert



For Illustration Purposes Only



**Figure 2-1**  
**Intake 3 Affected Surface Water Diversions**

Data Source: DCA, DWR



**Legend**

- Points of Diversion
- Permanent Footprint
- Limit of Disturbance
- Parcel Boundary

**Surface Water Diversions:**

- No Impact
- Temporary Impact
- Purchase

**Irrigated Land:**

- Not Impacted
- Partially Impacted
- Fully Impacted



California Department of Water Resources, USGS, Woolpert



**Attachment 2**  
**Initial Statement of Water Diversion and Use**



Rose

S016915

**State of California  
State Water Resources Control Board  
DIVISION OF WATER RIGHTS  
1001 I Street, 14<sup>th</sup> Floor, Sacramento, CA 95814  
P.O. Box 2000, Sacramento, CA 95812-2000  
Info: (916) 341-5300, Fax: (916) 341-5431, www.waterboards.ca.gov/waterrights**

DIVISION OF WATER RIGHTS

JUN 30 AM 10:14

**INITIAL STATEMENT OF WATER DIVERSION AND USE**

**NOTE: A Statement is not a Water Right**

This Statement should be typewritten or legibly written in ink and submitted to the address above.  
A separate statement must be filed for each point of diversion.

**An (\*) indicates a required section. Required sections must be completed for the Statement to be accepted.**

**\*A. Claimant/Agent Information**

Claimant/Owner: Elliot Family Revocable Trust	Agent:
Mailing Address	Mailing Address
P. O. Box E	
Courtland, CA 95615	
Phone No. 916-775-1027	Phone No.
Fax No. 916-775-2183	Fax No.
E-mail Address: richard@stillwaterorchards.com	E-mail Address:

**\*B.** Water is diverted and used under the claim of: Riparian claim  Pre 1914 claim  Court Decree No \_\_\_\_\_  
 Other (explain):  
 North Delta Water Agency

**\*C.** Name of the body of water at the point of diversion  
 Sacramento River  
 Tributary to \_\_\_\_\_

**\*D.** Point of diversion is located within Sacramento County on Assessor's Parcel No. 132-0120-001-0000  
 being within the NW 1/4 of NW 1/4 of Section 15, of Township 6N, Range 4E, MD B&M.  
 Provide the location of the point of diversion using the California Coordinate System (NAD 1983) or Latitude / Longitude measurements.  
38°22'41.86" N 121°31'24.37" W

**Identify the point of diversion and outline the place of use on a United States Geological Survey (USGS) topographic map and submit the map with the Statement.**

Name of the diversion works is Fairbanks Morse Pump Related Water Right(s) See \*B  
marathon Pump

**E.** Do you own the land at the point of diversion? Yes  No  If No, please provide the name and address of the land owner at the point of diversion: \_\_\_\_\_

**\*F.** Capacity of diversion works 2,500 (cfs  gpm) or gpd Capacity of storage tanks or reservoir 0 (gallons or acre-feet)

Type of diversion facility: Gravity  Creek Pump  Well Pump  River Pump

Method of measurement: Weir  Flume  In line flow meter  Electric Meter  Estimate

**NOTE: # Monthly report below is optional until January 1, 2012, at which time the information becomes mandatory.**

\*Provide the maximum rate of diversion achieved in each month in the table below as measured in: cfs  gpm  or gpd

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec

Additional copies of this form and water right information can be obtained at www.waterboards.ca.gov/waterrights.

S016915



\*G. Provide the quantity of water diverted each month in the table below as measured in: Gallons  Million gallons  Acre-feet

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total Annual
2009			57	81	85	130	158	130	92	56	32		821

H. Annual water use in recent years: Maximum 853.00 (gallons or acre-feet) Minimum 821.00 (gallons or acre-feet)

State the year of first use at diversion site or storage facility 1800's

\*I. Beneficial water use is for: (example, number of acres and type of crop irrigated, average number of persons served, number of stock watered, etc.) 204.75 acres - Pears, Cherries and Apples.

\*J. General description and location of the place of use shall be identified using a USGS topographic map, or if assigned, may be provided using the public land description to the nearest 40 acre parcel accompanied by the County Assessor's parcel map.  
10345 Highway 160, Hood CA 95639. Approximately one mile North of Hood, CA.

K. Please answer only those questions below that are applicable to your project.

1. Conservation of water
  - a. Describe any water conservation efforts you have in place Good farming practices, drip irrigation and all excess water is returned to original source.
2. Water quality and wastewater reclamation
  - a. Are you now or have you been using reclaimed water from a wastewater treatment facility, desalination facility or water polluted by waste to a degree that unreasonably affects such water for other beneficial uses? YES  NO
3. Conjunctive use of surface water and groundwater
  - a. Are you using groundwater in lieu of surface water? YES  NO

I declare under penalty of perjury that the information in this report is true to the best of my knowledge and belief.

\*DATE: June 23, 2010 at Courtland, California

\*SIGNATURE: 

\*PRINTED NAME: Richard C. Elliot  
(first name) (middle initial) (last name)

COMPANY NAME: David J. Elliot & Son

#### GENERAL INFORMATION PERTAINING TO WATER RIGHTS IN CALIFORNIA

There are two principal types of surface water rights in California. They are riparian and appropriative rights.

A riparian right enables an owner of land bordering a natural lake or stream to take and use water on his riparian land. Riparian land must be in the same watershed as the water source and must never have been severed from the source of supply by an intervening parcel without reservation of the riparian right to the severed parcel. Generally, a riparian water user must share the water supply with other riparian users. Riparian rights may be used to divert the natural flow of a stream but may not be used to 1) store water for later use 2) divert water which originates in a different watershed 3) divert water released from storage, or 4) divert return flows from groundwater use.

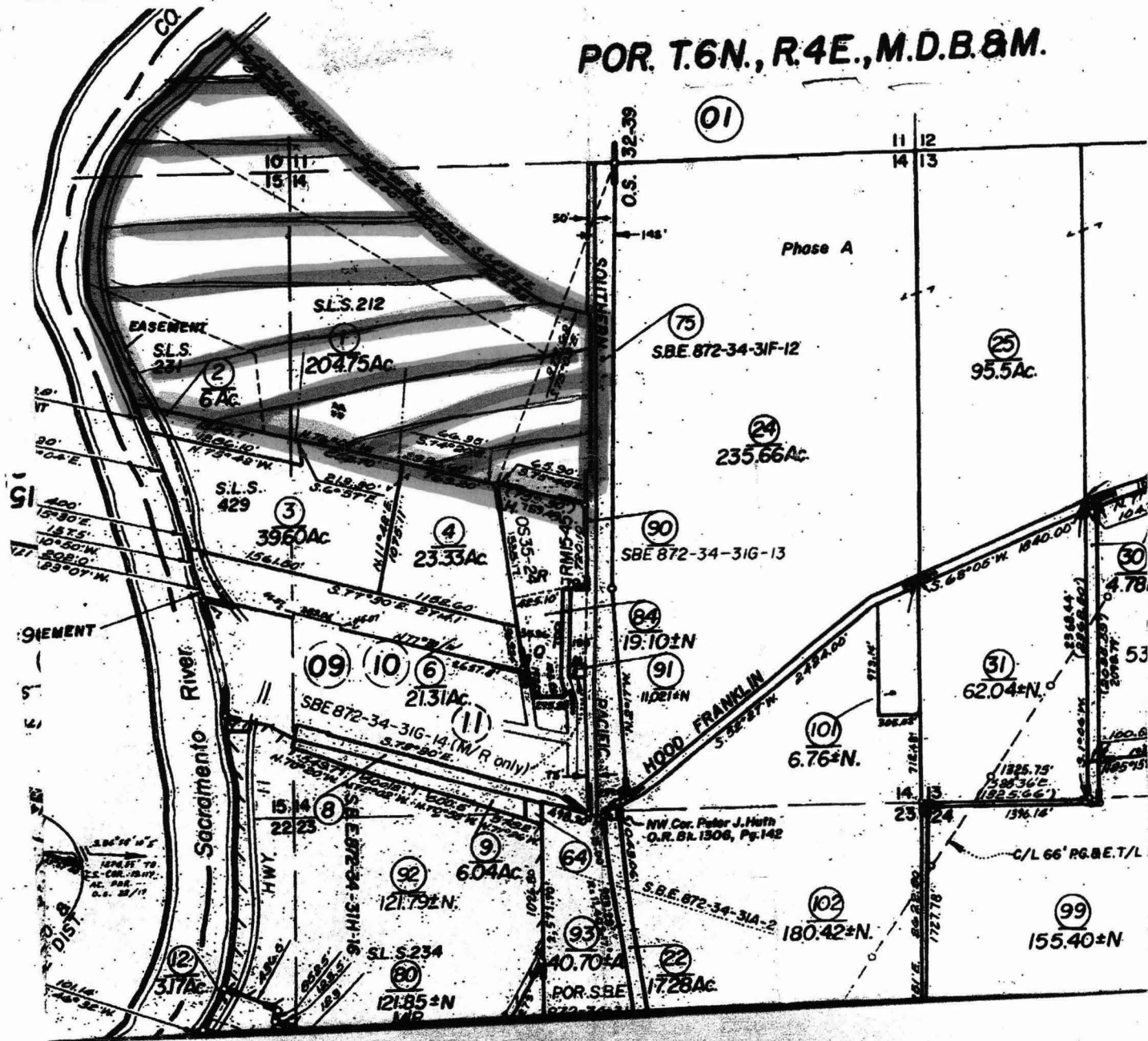
An appropriative right is required for use of water on non-riparian land and for storage of water. Generally, appropriative rights may be exercised only when there is a surplus not needed by riparian water users. After the formation of the California Water Commission in December 1914, new appropriators have been required to obtain a permit or license from the State.

Statements of Water Diversion and Use must be filed by a riparian and/or pre-1914 appropriative water user. The filing of a statement 1) provides a record of water use, 2) enables the State to notify such users if someone proposes a new appropriation upstream from their diversion, and 3) assists the State in determining if additional water is available for future appropriators.

The above discussion is provided for general information. For more specific information concerning water rights, please visit the website [http://www.waterboards.ca.gov/waterrights/water\\_issues/programs/diversion\\_use/](http://www.waterboards.ca.gov/waterrights/water_issues/programs/diversion_use/), or write to this office.



POR. T.6N., R.4E., M.D.B.8M.



Rose Ranch  
 Elliot Family Revocable Trust  
 P. O. Box E  
 Courtland, CA 95615

S016915

Rose Orchard  
Elliot Family  
Revocable Trust  
P. O. Box E  
Courtland, CA 95615

Rose Ranch 38°22'41.86"N 121°31'24.37"W

Point of Diversion

©2008 Google

© 2010 Google

© 2010 Europa Technologies  
Image U.S. Geological Survey

38°22'46.92" N 121°30'59.39" W elev 9 ft

Imagery Date: May 31, 2007

Eye alt 7494 ft



Legal Delta

DEF214

Pod ID 54702

Plotted 1/18/12 DS  
Delta

**State of California**  
**State Water Resources Control Board**  
**DIVISION OF WATER RIGHTS**  
 1001 I Street, 14<sup>th</sup> Floor, Sacramento, CA 95814  
 P.O. Box 2000, Sacramento, CA 95812-2000  
 Info: (916) 341-5431, Fax: (916) 341-5400, www.waterboards.ca.gov/waterrights

DIVISION OF WATER RIGHTS

2010 JUN 29 AM 1:16

**INITIAL STATEMENT OF WATER DIVERSION AND USE**

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**A separate statement must be filed for each point of diversion.**

**An (\*) indicates a required section. Required sections must be completed for the Statement to be accepted.**

**\*A. Claimant/Agent Information**

Claimant/Owner: <b>Mahinder and Tawnya Dhaliwal</b>	Agent:
Mailing Address	Mailing Address
11566 State Highway 160, Courtland CA 95615	
Phone No. 916-775-2055	Phone No.
Fax No. 916-775-4100	Fax No.
E-mail Address: courtlandfarmingco@gmail.com	E-mail Address:

**\*B.** Water is diverted and used under the claim of: Riparian claim  Pre 1914 claim  Court Decree No \_\_\_\_\_  
 Note, if you have an application on file for a water right or have an existing license, please provide your application number \_\_\_\_\_  
 Other (explain): \_\_\_\_\_

**\*C.** Name of the body of water at the point of diversion  
Sacramento River

Tributary to San Francisco Bay

**\*D.** Point of diversion is located within Sacramento County on Assessor's Parcel No. 132-0120-053,087,095

being within the \_\_\_\_\_ 1/4 of \_\_\_\_\_ 1/4 of Section \_\_\_\_\_, of Township \_\_\_\_\_, Range \_\_\_\_\_, \_\_\_\_\_ B&M.

Provide the location of the point of diversion using the California Coordinate System (NAD 1983) or Latitude / Longitude measurements.  
38\*21'16.93"N 121\*31'06.02"W

**Identify the point of diversion and outline the place of use on a United States Geological Survey (USGS) topographic map and submit the map with the Statement.**

Name of the diversion works is \_\_\_\_\_ Related Water Right(s) \_\_\_\_\_

**E.** Do you own the land at the point of diversion? Yes  No  If No, please provide the name and address of the land owner at the point of diversion: \_\_\_\_\_

**\*F.** Capacity of diversion works 2500 (cfs, gpm, or gpd) Capacity of storage tanks or reservoir \_\_\_\_\_ (gallons or acre-feet)

Type of diversion facility: Gravity  Creek Pump  Well Pump

Method of measurement: Weir  Flume  In line flow meter  Electric Meter  Estimate

**NOTE: \*Monthly report below is optional until January 1, 2012, at which time the information becomes mandatory.**

\*Provide the maximum rate of diversion achieved in each month in the table below as measured in: cfs  gpm  or gpd

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec

Additional copies of this form and water right information can be obtained at www.waterboards.ca.gov/waterrights.

S020899



Nuevo Ranch

11157 STATE HIGHWAY 160 COURTLAND, CA 95615

IF YOU HAVE ANY QUESTIONS REGARDING OUR PARCEL,  
PLEASE FEEL FREE TO CALL

THANKS,

MAHINDER

916-775-2655



12/20/11 Jky Ent.  
 POD ID 55234 1/23/12

**State of California**  
**State Water Resources Control Board**  
**DIVISION OF WATER RIGHTS**  
 1001 I Street, 14<sup>th</sup> Floor, Sacramento, CA 95814  
 P.O. Box 2000, Sacramento, CA 95812-2000  
 Info: (916) 341-5300, Fax: (916) 341-5431, www.waterboards.ca.gov/waterrights

2010 JUN 30 PM 12:37

**INITIAL STATEMENT OF WATER DIVERSION AND USE**

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DIV. OF WATER RIGHTS

**An (\*) indicates a required section. Required sections must be completed for the Statement to be accepted.**

**\*A. Claimant/Agent Information**

Claimant/Owner: Wurster Ranches, LP	Agent: Wallace Chan Farms, Inc.
Mailing Address	Mailing Address
9375 Wellington Way	PO Box 516
Granite Bay, CA 95746	Courtland, CA 95615
Phone No. (916) 997-1339	Phone No. (916) 775-1501
Fax No.	Fax No. (916) 775-1484
E-mail Address:	E-mail Address: debchan916@aol.com

**\*B.** Water is diverted and used under the claim of: Riparian claim  Pre 1914 claim  Court Decree No \_\_\_\_\_  
 Other (explain):  
North Delta Water Agency contract and/or sub-contract

**\*C.** Name of the body of water at the point of diversion  
Snodgrass Slough

Tributary to Sacramento-San Joaquin River Delta

**\*D.** Point of diversion is located within Sacramento County on Assessor's Parcel No. 132-0210-032-0000  
 being within the SW 1/4 of NE 1/4 of Section 27, of Township 6N, Range 3E, MD B&M.

Provide the location of the point of diversion using the California Coordinate System (NAD 1983) or Latitude / Longitude measurements.  
38°20'33.32"N 121°31'57.13"W

**Identify the point of diversion and outline the place of use on a United States Geological Survey (USGS) topographic map and submit the map with the Statement.**

Name of the diversion works is Wurster Slough 1 Related Water Right(s) \_\_\_\_\_

**E.** Do you own the land at the point of diversion? Yes  No  If No, please provide the name and address of the land owner at the point of diversion: \_\_\_\_\_

**\*F.** Capacity of diversion works 1500 (cfs, **gpm**, or gpd) Capacity of storage tanks or reservoir \_\_\_\_\_ (gallons or acre-feet)

Type of diversion facility: Gravity  Creek Pump  Well Pump

Method of measurement: Weir  Flume  In line flow meter  Electric Meter  Estimate

**NOTE: \* Monthly report below is optional until January 1, 2012, at which time the information becomes mandatory.**

\*Provide the maximum rate of diversion achieved in each month in the table below as measured in: cfs  gpm  or gpd

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec

VD

Additional copies of this form and water right information can be obtained at www.waterboards.ca.gov/waterrights.

S019784

\*G. Provide the quantity of water diverted each month in the table below as measured in: Gallons  Million gallons  Acre-feet

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total Annual
2009	8	15	19	22	26	40	82	60	23	24	0	0	320

H. Annual water use in recent years: Maximum 400.00 (gallons or **acre-feet**) Minimum 240.00 (gallons or acre-feet)

State the year of first use at diversion site or storage facility c. 1800's - 1900's

\*I. Beneficial water use is for: (example, number of acres and type of crop irrigated, average number of persons served, number of stock watered, etc.)  
irrigation of approx 120 acres of cropland producing alfalfa, corn, wheat, oats, tomatoes, safflower or other

\*J. General description and location of the place of use shall be identified using a USGS topographic map, or if assigned, may be provided using the public land description to the nearest 40 acre parcel accompanied by the County Assessor's parcel map.

see attached maps

K. Please answer only those questions below that are applicable to your project.

1. Conservation of water
  - a. Describe any water conservation efforts you have in place sprinkler irrigation, all excess water returned to Sac/San Joaquin Delta levee/habitat maintenance, best management practices
2. Water quality and wastewater reclamation
  - a. Are you now or have you been using reclaimed water from a wastewater treatment facility, desalination facility or water polluted by waste to a degree that unreasonably affects such water for other beneficial uses? YES  NO
3. Conjunctive use of surface water and groundwater
  - a. Are you using groundwater in lieu of surface water? YES  NO

I declare under penalty of perjury that the information in this report is true to the best of my knowledge and belief.

\*DATE: 06-28-2010 at COURTLAND, California

\*SIGNATURE: Debra M. Chan

\*PRINTED NAME: DEBRA M CHAN  
(first name) (middle initial) (last name)

COMPANY NAME: WALLACE CHAN FARMS, INC.

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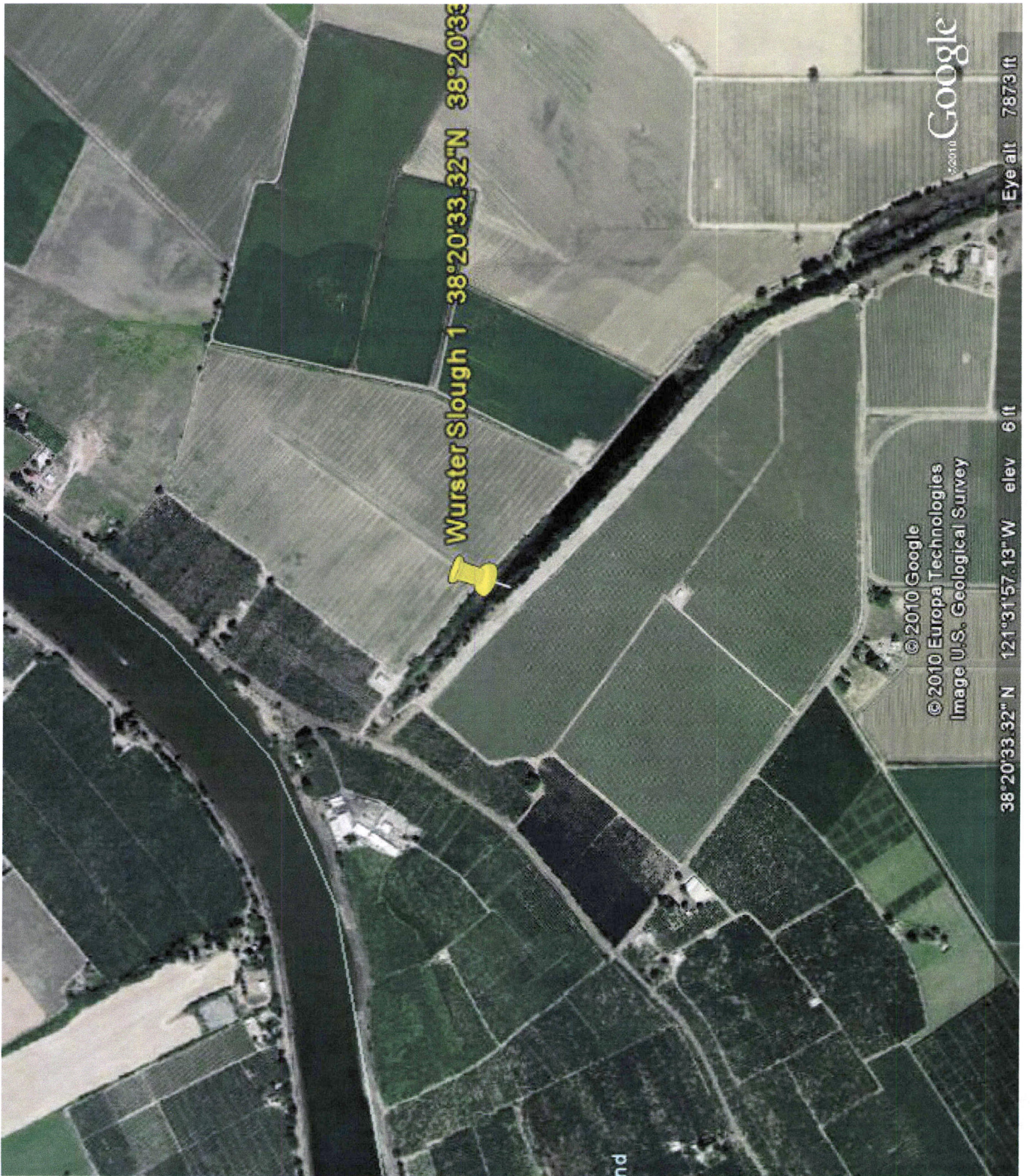
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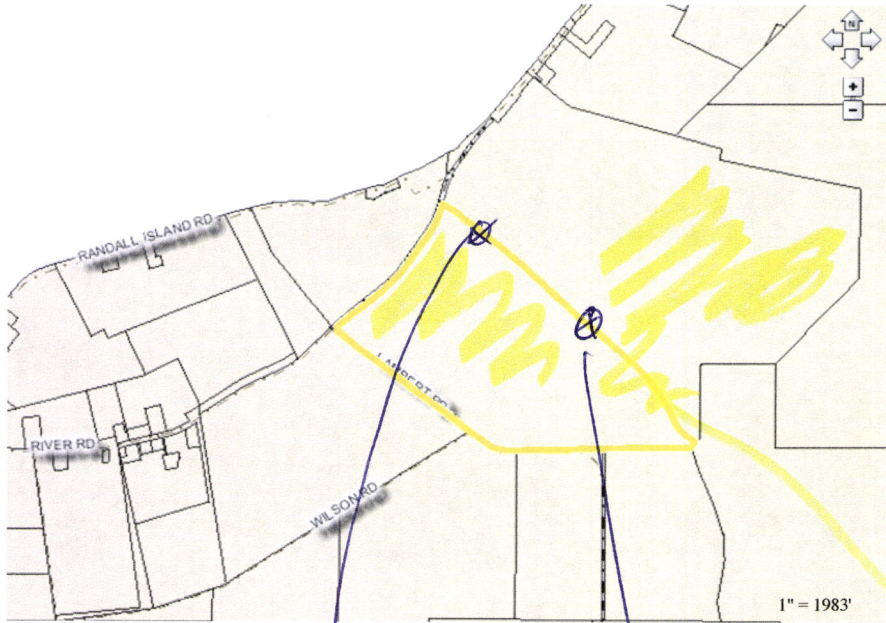


S019784



Overview    Navigate    Select    Comments

County Links:



New Search

PROPERTY INFORMATION

**ASSESSOR'S PARCEL NUMBER** 132-0210-032-0000

**Address** 0 LAMBERT RD

**Jurisdiction** UNINCORPORATED

**Supervisor District** Supervisor Don Nottoli (5)

ADDITIONAL INFORMATION

For Property tax bill information...  
[Link to ePropTax](#)

ASSESSOR'S 2010-2011 ROLL VALUES

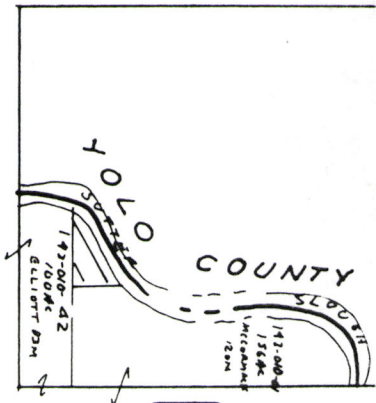
Land Value	\$384,492
Improvement Value	\$657,075
Personal Property Value	\$0
Fixtures	\$0
Homeowner's Exemption	\$0
Other Exemption	\$0
Net Assessed Value	\$1,041,567

point of diversion 1

point of diversion 2

area of use

APN 132-0210-032-0000



T6N R3E PLAT 31

32

30

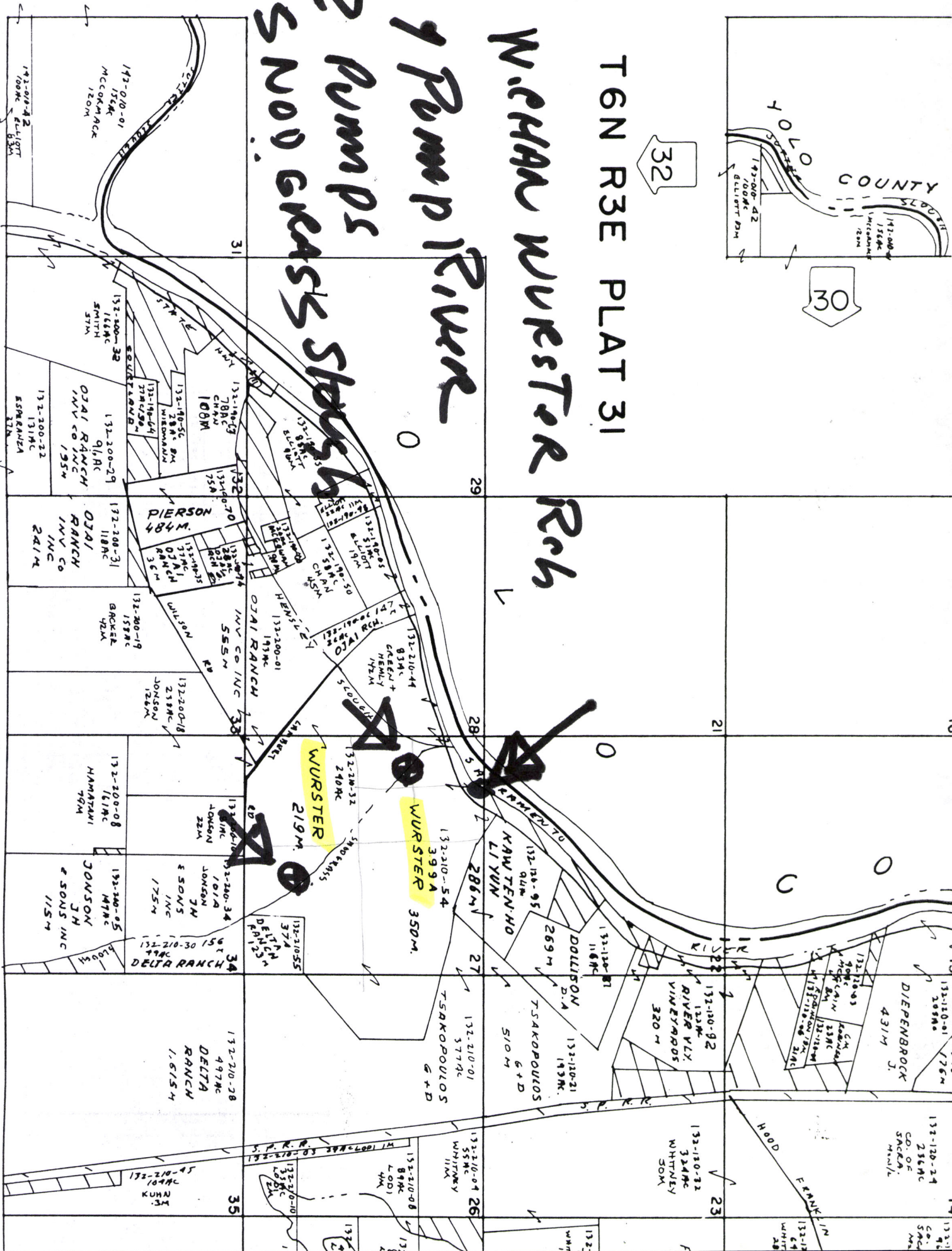
W. CHAN WURSTER Rch

1 Pump River

2 Pumps  
SNOOGRASS STASH

T6N R2E

33





## Supplemental Statements of Water Diversion and Use

**[SUMMARY OF FINAL SUBMITTED VERSION]****SUPPLEMENTAL STATEMENT OF WATER DIVERSION AND USE FOR 2017**

Primary Owner: Elliot Family Revocable Trust

Statement Number: S016915

Date Submitted: 01/09/2019

1. Water is used under	Riparian Claim Pre-1914 Claim
2. Year diversion commenced	1800

**3. Purpose of Use**

Irrigation	
------------	--

**Irrigated Crops**

	Multiple Crops	Area Irrigated (Acres)	Primary Irrigation Method
Tree Fruit (other)	No	204.75	Low-volume (example: micro-sprinkler, drip)

**4. Changes in Method of Diversion**

--

**Special Use Categories**

C1. Are you using any water diverted under this right for the cultivation of cannabis?	No
--	----

**5. Maximum Rate of Diversion**

Month	Rate of Diversion
January	
February	
March	
April	
May	
June	
July	
August	
September	
October	
November	
December	

**6. Amount of Water Diverted and Used**

Month	Amount directly diverted (Acre-Feet)	Amount diverted or collected to storage (Acre-Feet)	Amount beneficially used (Acre-Feet)
January	0	0	0
February	0	0	0
March	0	0	0
April	42.82	0	27.63
May	157.81	0	101.81
June	215.8	0	139.23
July	261.98	0	169.02
August	232.03	0	149.7



September	160.25	0	103.39
October	95.62	0	61.69
November	0	0	0
December	0	0	0
Total	1166.31	0	752.47
Type of Diversion	Direct Diversion Only		
Comments			

Water Transfers	
6d. Water transferred	No
6e. Quantity transferred (Acre-Feet)	
6f. Dates which transfer occurred	/ to /
6g. Transfer approved by	

Water Supply Contracts	
6h. Water supply contract	Yes
6i. Contract with	DWR
6j. Other provider	North Delta Water Agency
6k. Contract number	1981
6l. Source from which contract water was diverted	SWP
6m. Point of diversion same as identified water right	Yes
6n. Amount (Acre-Feet) authorized to divert under this contract	1166.31
6o. Amount (Acre-Feet) authorized to be diverted in 2017	1166.31
6p. Amount (Acre-Feet) projected for 2018	1166.31
6q. Exchange or settlement of prior rights	No
6r. All monthly reported diversion claimed under the prior rights	
6s. Amount (Acre-Feet) of reported diversion solely under contract	0

7. Water Diversion Measurement	
a. Required to measure as of the date this report is submitted	No
b. Is diversion measured?	No
c. An alternative compliance plan was submitted to the division of water rights on	12/27/2016
d. A request for additional time was submitted to the division of water rights on	01/01/2017

Measurement Attachments			
Measurement ID Number	File Name	Description	Size
No attachments			

Measurement Data Files			
Measurement ID Number	File Name	Description	Size
No data files			

8. Conservation of Water					
a.	<table border="1"> <tr> <td>Are you now employing water conservation efforts?</td> <td>Yes</td> </tr> <tr> <td>Describe any water conservation efforts you have initiated</td> <td>Good Water management and farming practices, timers, pipelines, drip irrigation, cover crops, weed management and no ponding. Any diverted water which is not consumed or evaporated is recycled to the Delta Pool. Credit is claimed for these water conservation efforts under section 1011 of the Water Code.</td> </tr> </table>	Are you now employing water conservation efforts?	Yes	Describe any water conservation efforts you have initiated	Good Water management and farming practices, timers, pipelines, drip irrigation, cover crops, weed management and no ponding. Any diverted water which is not consumed or evaporated is recycled to the Delta Pool. Credit is claimed for these water conservation efforts under section 1011 of the Water Code.
Are you now employing water conservation efforts?	Yes				
Describe any water conservation efforts you have initiated	Good Water management and farming practices, timers, pipelines, drip irrigation, cover crops, weed management and no ponding. Any diverted water which is not consumed or evaporated is recycled to the Delta Pool. Credit is claimed for these water conservation efforts under section 1011 of the Water Code.				

b.	Amount of water conserved	
	I have data to support the above surface water use reductions due to conservation efforts.	No

### 9. Water Quality and Wastewater Reclamation

a.	Are you now or have you been using reclaimed water from a wastewater treatment facility, desalination facility, or water polluted by waste to a degree which unreasonably affects such water for other beneficial causes?	No
b.	Amount of reduced diversion	
	Type of substitute water supply	
	Amount of substitute water supply used	
	I have data to support the above surface water use reductions due to the use of a substitute water supply	

### 10. Conjunctive Use of Surface Water and Groundwater

a.	Are you now using groundwater in lieu of surface water?	No
b.	Amount of groundwater used	
	I have data to support the above surface water use reductions due to the use of groundwater.	

### Additional Remarks

Additional Remarks		

### Attachments

File Name	Description	Size
No Attachments		

### Contact Information of the Person Submitting the Form

First Name	Anna
Last Name	Swenson
Relation to Water Right	Other: MMAPCP The Freshwater Trust
The information in the report is true to the best of his/her knowledge and belief	Yes



**[SUMMARY OF FINAL SUBMITTED VERSION]****SUPPLEMENTAL STATEMENT OF WATER DIVERSION AND USE FOR 2018**

Primary Owner: Mahinder and Tawnya Dhaliwal

Statement Number: S020899

Date Submitted: 04/29/2019

1. Water is used under	Riparian Claim Pre-1914 Claim Other: Overlying, recycled/reclaimed, salvage & statutory rights+ 1981 North Delta Water Agency Contract
2. Year diversion commenced	1800

**3. Purpose of Use**

Irrigation	
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**Irrigated Crops**

	Multiple Crops	Area Irrigated (Acres)	Primary Irrigation Method
Grapes	No	85	Low-volume (example: micro-sprinkler, drip)
Tree Fruit (other)	No	15	Sprinkler

**4. Changes in Method of Diversion**

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**Special Use Categories**

C1. Are you using any water diverted under this right for the cultivation of cannabis?	No
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**5. Maximum Rate of Diversion**

Month	Rate of Diversion
January	
February	
March	
April	
May	
June	
July	
August	
September	
October	
November	
December	

**6. Amount of Water Diverted and Used**

Month	Amount directly diverted (Acre-Feet)	Amount diverted or collected to storage (Acre-Feet)	Amount beneficially used (Acre-Feet)
January	0	0	8.71
February	0	0	9.3
March	0	0	5.9
April	13.79	0	9.85

May	43.39	0	30.99
June	78.73	0	56.24
July	74.96	0	53.54
August	54.79	0	39.13
September	38.56	0	27.54
October	14.59	0	10.42
November	0	0	8.08
December	0	0	9.85
Total	318.81	0	269.55
Type of Diversion	Direct Diversion Only		
Comments			

#### Water Transfers

6d. Water transferred	No
6e. Quantity transferred (Acre-Feet)	
6f. Dates which transfer occurred	/ to /
6g. Transfer approved by	

#### Water Supply Contracts

6h. Water supply contract	No
6i. Contract with	
6j. Other provider	
6k. Contract number	
6l. Source from which contract water was diverted	
6m. Point of diversion same as identified water right	
6n. Amount (Acre-Feet) authorized to divert under this contract	
6o. Amount (Acre-Feet) authorized to be diverted in 2018	
6p. Amount (Acre-Feet) projected for 2019	
6q. Exchange or settlement of prior rights	
6r. All monthly reported diversion claimed under the prior rights	
6s. Amount (Acre-Feet) of reported diversion solely under contract	

#### 7. Water Diversion Measurement

a. Required to measure as of the date this report is submitted	No
b. Is diversion measured?	No
c. An alternative compliance plan was submitted to the division of water rights on	
d. A request for additional time was submitted to the division of water rights on	12/26/2018

#### Measurement Attachments

Measurement ID Number	File Name	Description	Size
No attachments			

#### Measurement Data Files

Measurement ID Number	File Name	Description	Size
No data files			

#### 8. Conservation of Water

a. Are you now employing water	Yes
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conservation efforts?	
Describe any water conservation efforts you have initiated	Good water management and farming practices. Any diverted water which is not consumed or evaporated is recycled to the Delta Pool. Crops can vary from year to year with some demanding more or less total water than others. When they demand less, water is thereby conserved. The timing and rate of diversion also vary with crop type and the weather, and when that occurs, water is conserved at various times of the year as a result thereof. In addition, the place of use is protected from flooding by levees and those levees result in the conservation of water that would otherwise be lost to evaporation and/or evapotranspiration from wild, uncontrolled vegetation if those levees were not in place and the land reverted to its unreclaimed, swamp and overflowed status. Moreover, the substantial seepage from the river channels into the place of use is continuously collected and returned to those channels thereby effectuating a substantial conservation in water. Credit is claimed for these water conservation efforts under section 1011 of the Water Code. A specific amount conserved is not reported due to the lack of a present method to precisely quantify that amount.
Amount of water conserved	
b. I have data to support the above surface water use reductions due to conservation efforts.	

<b>9. Water Quality and Wastewater Reclamation</b>	
a. Are you now or have you been using reclaimed water from a wastewater treatment facility, desalination facility, or water polluted by waste to a degree which unreasonably affects such water for other beneficial causes?	No
Amount of reduced diversion	
Type of substitute water supply	
b. Amount of substitute water supply used	
I have data to support the above surface water use reductions due to the use of a substitute water supply	

<b>10. Conjunctive Use of Surface Water and Groundwater</b>	
a. Are you now using groundwater in lieu of surface water?	No
b. Amount of groundwater used	
I have data to support the above surface water use reductions due to the use of groundwater.	

<b>Additional Remarks</b>	
<p>The diverter has opted into the Central and South Delta Water Agencies' Request for Extension of Time re the Delta measurement regulations which was submitted to the Delta Watermaster on 12/29/2016 and approved by the Delta Watermaster on 12/31/2016 (for calendar year 2017) and on 1/17/2018 (for calendar year 2018). Under that Extension, the diverter is cooperating in a Delta-wide effort (measurement experiment consortium) under the so-called "Delta Area Measuring Method Program" (DAMMP) which is in the process of evaluating and comparing different metering systems, performing actual measurements, comparing those measurements with estimations of crop use/diversions using the most up-to-date data, and evaluating the results and accuracies of those systems, measurements and estimations. The point of diversion that is the subject of this report is one of two (2) points of diversion that provided water to an approximate 65 acre field/parcel. For purposes of these reports, the amount of acreage irrigated, water used and water diverted associated with each of those points of diversion has been evenly split along them. The amount diverted is a multiple of the reported use amount, plus a factor to account for field flooding (if any). The multiple is to account for additional water that is diverted but not consumed or evaporated. The reported use amounts are crop evapotranspiration estimates based on the ITRC REPORT 03-001 ETc Table for Irrigation Scheduling and Design, Zone 14 for Surface</p>	

Irrigation, Typical year adjusted for the reporting year using CIMIS monthly ETo for Staten Island. For crops not covered by the ITRC report ETo was determined using ratios to alfalfa from Table A-5, DWR Bulletin 168, October 1978.

<b>Attachments</b>		
<b>File Name</b>	<b>Description</b>	<b>Size</b>
No Attachments		

<b>Contact Information of the Person Submitting the Form</b>	
First Name	BRETT
Last Name	BAKER
Relation to Water Right	Other: Agent
The information in the report is true to the best of his/her knowledge and belief	Yes



**[SUMMARY OF FINAL SUBMITTED VERSION]****SUPPLEMENTAL STATEMENT OF WATER DIVERSION AND USE FOR 2018**

Primary Owner: WURSTER RANCHES, LP

Statement Number: S019784

Date Submitted: 05/17/2019

1. Water is used under	Riparian Claim Pre-1914 Claim
2. Year diversion commenced	1800

**3. Purpose of Use**

No Use

**4. Changes in Method of Diversion****Special Use Categories**

C1. Are you using any water diverted under this right for the cultivation of cannabis?	No
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**5. Maximum Rate of Diversion**

Month	Rate of Diversion
January	
February	
March	
April	
May	
June	
July	
August	
September	
October	
November	
December	

**6. Amount of Water Diverted and Used**

Month	Amount directly diverted (Acre-Feet)	Amount diverted or collected to storage (Acre-Feet)	Amount beneficially used (Acre-Feet)
January	0	0	0
February	0	0	0
March	0	0	0
April	0	0	0
May	0	0	0
June	0	0	0
July	0	0	0
August	0	0	0
September	0	0	0
October	0	0	0
November	0	0	0

December	0	0	0
Total	0	0	0
Type of Diversion	No Diversion		
Comments	A portion of the place of use under this Statement was served with water diverted and reported under S020319. The remaining portion of the place of use was not planted or irrigated during 2018.		

#### Water Transfers

6d. Water transferred	No
6e. Quantity transferred (Acre-Feet)	
6f. Dates which transfer occurred	/ to /
6g. Transfer approved by	

#### Water Supply Contracts

6h. Water supply contract	Yes
6i. Contract with	DWR
6j. Other provider	NDWA
6k. Contract number	1981 Contract Between CA Department of Water Resources and North Delta Water Agency
6l. Source from which contract water was diverted	Snodgrass Slough
6m. Point of diversion same as identified water right	Yes
6n. Amount (Acre-Feet) authorized to divert under this contract	9999999
6o. Amount (Acre-Feet) authorized to be diverted in 2018	9999999
6p. Amount (Acre-Feet) projected for 2019	9999999
6q. Exchange or settlement of prior rights	Yes
6r. All monthly reported diversion claimed under the prior rights	No
6s. Amount (Acre-Feet) of reported diversion solely under contract	

#### 7. Water Diversion Measurement

a. Required to measure as of the date this report is submitted	Yes
b. Is diversion measured?	Yes
c. An alternative compliance plan was submitted to the division of water rights on	
d. A request for additional time was submitted to the division of water rights on	

#### Measurement Attachments

Measurement ID Number	File Name	Description	Size
No attachments			

#### Measurement Data Files

Measurement ID Number	File Name	Description	Size
No data files			

#### 8. Conservation of Water

a. Are you now employing water	Yes
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	conservation efforts?	
	Describe any water conservation efforts you have initiated	Best farming and water management practices and technologies are employed on a daily basis. These practices include, but are not limited to, installation of an extensive drip irrigation system, weed abatement and leveling of lands, where appropriate. The drip irrigation system has been designed to allow for conjunctive use of surface and ground water when needed. The quantities conserved through these and other practices have not been determined at this time.
	Amount of water conserved	
b.	I have data to support the above surface water use reductions due to conservation efforts.	

### 9. Water Quality and Wastewater Reclamation

a.	Are you now or have you been using reclaimed water from a wastewater treatment facility, desalination facility, or water polluted by waste to a degree which unreasonably affects such water for other beneficial causes?	No
	Amount of reduced diversion	
	Type of substitute water supply	
b.	Amount of substitute water supply used	
	I have data to support the above surface water use reductions due to the use of a substitute water supply	

### 10. Conjunctive Use of Surface Water and Groundwater

a.	Are you now using groundwater in lieu of surface water?	No
	Amount of groundwater used	
b.	I have data to support the above surface water use reductions due to the use of groundwater.	

### Additional Remarks

Portions of the place of use served under this license may also be served under Statements 19787, 19790, and 20319 and under the 1981 Contract Between CA Department of Water Resources and North Delta Water Agency. Prior to any diversions taking place under this license in the future, the point of diversion will be equipped with measurement devices in compliance with the Measurement Regulation.

### Attachments

File Name	Description	Size
No Attachments		

### Contact Information of the Person Submitting the Form

First Name	MBK Engineers
Last Name	MBK Engineers
Relation to Water Right	Other: Authorized Official
The information in the report is true to the best of his/her knowledge and belief	Yes