July 23, 2014

Via E-mail

Ms. Barbara L. Evoy, Deputy Director
Division of Water Rights
State Water Resources Control Board
1001 I Street
Sacramento, CA 95814
bevoy@waterboards.ca.gov

Dear Ms. Evoy:

The California Department of Water Resources and United States Bureau of Reclamation ("Project Agencies") submit this letter to request the State Water Resources Control Board ("State Water Board") through the Deputy Director use the authority granted to her under the recently adopted Emergency Regulations, Title 23 to the California Code of Regulations, section 879(c), and order south and central Delta diverters claiming riparian and pre-1914 water rights to provide the State Water Board with information that (1) supports the basis of any asserted right or rights, and (2) reflects the quantity of water diverted and expected to be diverted. The Project Agencies acknowledge that, notwithstanding the general information contained herein and the information already in the State Water Board's possession, consideration of our objections to diversions of water beyond a valid water right would be further informed by information obtained from south and central Delta diverters regarding their asserted rights and actual water use. The Water Agencies submit that absent information to the contrary water stored and released by the State Water Project and the Central Valley Project ("Water Projects") and water acquired by the Project Agencies' contractors through transfer and exchange agreements is likely being diverted by south and/or central Delta diverters asserting riparian and pre-1914 water rights.

Diversions by riparian and pre-1914 water rights holder in the south and central Delta contribute to additional loss of stored water due to depletions and further complicate water

management in this extremely dry year. Where water quality standards are controlling Water Project operations, any diversion of stored water by these diverters results in additional releases of stored water or reductions in Project deliveries, and requires a trade-off in the protection of beneficial uses.

It has long been recognized that there is uncertainty as to the basis for and extent of the riparian and pre-1914 water rights being asserted in the south and central Delta. This uncertainty was recognized in the final report of the Governor's Commission to Review California Water Rights Law, which identified riparian rights statewide as one of the three sources of uncertainty in California water law because riparian water rights are unrecorded and generally unquantifiable based on existing information. (*Governor's Commission to Review California Water Rights Law, Final Report* (1978), pg. 17.) In 2009, the legislature responded to the need for better information regarding riparian and pre-1914 water rights by adding Water Code section 5100 *et seq.*, requiring statements of diversion from each person who diverts water. Unfortunately, irrespective of these efforts by the legislature and State Water Board, the information obtained from many water users does not enable the State Water Board and the Delta Watermaster[1] to effectively administer the water rights system.[2]

When acted upon, the additional information required pursuant to the authority granted under the emergency regulations is critical to informing the State Water Board about the nature and extent of the water rights, use, water classification and priority. Based upon the information provided below indicating potential unlawful diversions of stored water by users claiming riparian or pre-1914 appropriative water rights, the State Water Board may request the south and central Delta water diverters to identify each right claimed, the basis for each right, and the rate and quantity of water being diverted pursuant to each right on a monthly basis.

I. Legal Background

California water law states that riparian and appropriative water rights are limited to the natural flow of a river or stream. *Bloss v. Rahilly* (1938) 16 Cal.2d 70, 76; California Water Code sections 1201-2. Additionally, the State Water Board has found that southern Delta riparian right holders have no right, in any year, to natural flow from the Sacramento River. D-1641, pg. 31-33; SWRCB Order WR 89-8, pg. 22-23. These rights of south Delta riparian water users only extend to their correlative share of natural flow in the San Joaquin River. *Id.* Therefore, the

[1] Water Code section 85230 et seq. provides for the appointment of a Delta Watermaster tasked with monitoring and enforcement.

[2] Attached are 20 selected Statement of Diversions. Each contains the same claims to water use, the same year of first use and the same source and a claim that direct measurement using a device is not locally cost effective. The information provided is characteristic of the quality of many statements of diversion.

southern Delta riparian and appropriative rights holders have no right to natural or abandoned flows from the Sacramento River.

Nor are in-Delta riparian and appropriators permitted to divert the Projects stored or purchased water conveyed through channels in the Delta. *Phelps v. State Water Resources Control Board* (2008) 157 Cal.App.4th 89, 111; See also *El Dorado Irrigation Dist. V. State Water Resources Control Bd.* (2006) 142 Cal.App.4th 937, 962. Southern Delta appropriators, absent purchasing other water, are only entitled to excess natural flow and abandoned water. *United States v. SWRCB* (1986) 182 Cal.App.3d, 82, 116 [citing *Meridian, Ltd v. San Francisco* (1939) 13 Cal.2d 424, 455; *Phoenix Water Co. v. Fletcher* (1863)23 Cal. 481, 487]; Water Code § 1202.[3] The Project Agencies and their contractors have not abandoned their stored or water transfer water, as they are putting it to beneficial use in meeting regulatory requirements and for delivery to the water contractors.

Some south and central Delta water users appeared to also be seeking to expand California Water Law by asserting rights to water from the "Delta Pool."[4] The "Delta Pool" concept is that by virtue of the geography in the Delta water from many sources, including the Sacramento River, San Joaquin River, and the Pacific Ocean, mix and becomes a new source of appropriable water. The State Water Board explicitly rejected the idea that water users in the south and central Delta have rights to divert under a "Delta Pool" concept. (See Order WR 2011-0005, pg. 37; Order 2004-0004, pg. 15.)

II. Previous Source Water Analysis

The State Water Board, in recognition that water users in the south Delta only have a right to water from the San Joaquin River, made findings on the availability of San Joaquin River water in the southern Delta. Specifically, in D-1641, the Board concluded:

1. On average, insufficient water is available to supply the southern Delta in Below Normal, Dry and Critical Dry years in August, September and October.
2. On average, sufficient water is available in September only in Wet Years.
3. Insufficient water is available in July during 16 percent of years, in August during 56 percent of years, in September during 78 percent of years, and in October during 70 percent of years. (D-1641, pg. 33).

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[3] Pre-1914 appropriators in the south and central Delta could potentially divert this foreign water, but only if the foreign water is in excess of the Water Projects' needs. *Stevinson WaterDistrict v. Roduner* (1950) 36 Cal.2d 264; SWRCB Order WR 89-8; California Water Code section 1203.

[4] During the recent State Water Board proceedings, south Delta diverters claimed a right to divert ocean water. See Order WR 2011-0005, pg. 37; June 30, 2014, letter submitted by South Delta Water Agency to the State Water Board. However, in California, a riparian or appropriative right cannot be established or defined by availability and diversion of ocean water. More importantly, none of the Statements of Diversions filed in the South and Central Delta state ocean water as a source.

The State Water Board summarized those conclusions by stating: riparian [and pre-1914 appropriative] rights to the water of the San Joaquin River are inadequate to meet the agricultural demands in the southern Delta in some months of many years. D-1641, pg. 33. We believe that similar conditions exist in some or all areas of the central Delta.

III. Current Source Water Information Available

To date in July, actual flow in the San Joaquin River flow at Vernalis has only averaged about 250 cfs. Calculated natural flow in San Joaquin River tributaries is an estimated average of 887 cfs to date in July. The southern Delta diversion requirement identified for July in D-1641 (Page 32) is 1,400 cfs and for August is 1,334 cfs. Current and projected flows at Vernalis, as well as natural inflow on upstream San Joaquin River tributaries, are both considerably less than half of the southern Delta diversion requirement. This shortage in water supply from natural flow on the lower San Joaquin River indicates that water is being diverted from other sources, presumably the Projects' stored water or water contracted through transfer and/or exchange agreements, neither of which is available to southern Delta diverters.

Additional irrigation demands by some members of Central Delta Water Agency also rely substantially on San Joaquin River flows. These diversions exacerbate the supply shortage already existing in southern Delta channels and likely result in further diversion from stored water.

Under Water Year 2014 hydrologic conditions in particular, when water users in the south and central Delta divert water in excess of that available under their asserted water rights, they divert stored water and/or water purchased through transfer or exchange agreements. Without additional information that the State Water Board has the authority under the emergency regulations to require, the Project Agencies and their water contractors are presumably injured by diversions in the Delta. Therefore the Project Agencies respectfully request that the State Water Board exercise its statutory authority and obtain information from these Delta water users to support their assumed right to water or require curtailment as unauthorized diversions.

Thank you in advance for your consideration.

Sincerely,

Mark Cowin
Director
California Department of Water Resources

David G. Murillo
Regional Director
Bureau of Reclamation

Attachments

cc: Felicia Marcus, Chair, State Water Resources Control Board
Tom Howard, Executive Director, State Water Resources Control Board

[SUMMARY OF FINAL SUBMITTED VERSION]

SUPPLEMENTAL STATEMENT OF WATER DIVERSION AND USE FOR 2012

Primary Owner: ARNAUDO BROS LP
Statement Number: S017302
Date Submitted: 2013-02-28

1. Water is used under	Riparian Claim Pre-1914 Claim
2. Year of first use	1800

3-4. Maximum Rate of Diversion for each Month and Amount of Water Diverted and Used

Month	Rate of diversion (CFS)	Amount directly 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	2.99	346.7	346.7
May	2.99	346.7	346.7
June	2.99	346.7	346.7
July	2.99	346.7	346.7
August	2.99	346.7	346.7
September	2.99	346.7	346.7
October	2.99	178.21	178.21
November	0	0	0
December	0	0	0
Total		2258.41	2258.41
Comments			

5. Water Diversion Measurement

a.	Measurement	Direct measurement using a device listed in Section 1 is "not locally cost effective" for water directly diverted and/or diverted to storage
b.	Types of measuring devices used	
c.	Additional technology used	
	Description of additional technology used	
d.	Who installed your measuring device(s)	
e.	Make, model number, and last calibration date of your measuring device(s)	
f.	Why direct measurement using a device listed in Section 1 is "not locally cost effective"	Other
	Explanation of why use of devices and technologies listed in Section 1 are "not locally cost effective"	No meters installed or meter readers hired
g.	Method(s) used as an alternative to direct measurement	Other
	Explanation of method(s) used as an alternative to direct measurement	Past history of crop needs for water

6. Purpose of Use

Irrigation	558.55 Acres

7. Changes in Method of Diversion

8. Conservation of Water		
a.	Are you now employing water conservation efforts?	Yes
	Describe any water conservation efforts you have initiated	Good farming practices, concrete ditches and pipelines, and all excess water recycled to the delta canal
b.	Amount of water conserved	100 Acre-Feet
	I have data to support the above surface water use reductions due to conservation efforts.	Yes

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. Conjuctive 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.	

11a. Additional Remarks

Attachments		
File Name	Description	Size
No Attachments		

Contact Information of the Person Submitting the Form	
First Name	Steve
Last Name	Widhalm
Relation to Water Right	Other
Has read the form and agrees 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 2012

Primary Owner: TUSCANY RESEARCH INSTITUTE
Statement Number: S021005
Date Submitted: 2013-06-24

1. Water is used under	Riparian Claim Pre-1914 Claim
2. Year of first use	1800

3-4. Maximum Rate of Diversion for each Month and Amount of Water Diverted and Used

Month	Rate of diversion	Amount directly diverted or collected to storage (Acre-Feet)	Amount beneficially used (Acre-Feet)
January		112.43	15.52
February		21.5	13.44
March		61.52	38.45
April		43	26.87
May		62.79	39.24
June		160.43	100.21
July		190.02	118.76
August		132.5	82.81
September		11.63	7.27
October		16.06	10.04
November		110.99	14.62
December		109.79	13.87
Total		1032.66	481.1
Comments			

5. Water Diversion Measurement

a.	Measurement	Direct measurement using a device listed in Section 1 is "not locally cost effective" for water directly diverted and/or diverted to storage
b.	Types of measuring devices used	
c.	Additional technology used	
	Description of additional technology used	
d.	Who installed your measuring device(s)	
e.	Make, model number, and last calibration date of your measuring device(s)	
f.	Why direct measurement using a device listed in Section 1	Other

	is "not locally cost effective"	
	Explanation of why use of devices and technologies listed in Section 1 are "not locally cost effective"	The cost of acquisition, installation, maintenance (including vandalism and theft deterrence and remediation), collection and compilation of data from measuring devices is not locally cost-effective because the value of the local benefits of installing and maintaining meters is not greater than the value of the local cost of implementing that measure. There are no apparent grants available to otherwise cover costs of water meters and related actions. Moreover, the unique hydrogeological characteristics of the Delta (e.g., tides, seepage, interconnected channels, etc.) indicate that meters are not the best available technology in this region. Any water diverted in the Delta which is not consumed or evaporated is recycled to the Delta Pool for reuse. As further support for the conclusion that measuring devices are not locally cost-effective reference is made to the documentation on file with the SWRCB attesting to the lack of such costeffectiveness submitted in connection with the SWRCB's July 21, 2011 "Water Measurement Workshop" and the SWRCB?s follow-up solicitation of comments (due November 18, 2011) re the same.
g.	Method(s) used as an alternative to direct measurement	Crop duty estimates/consumptive use estimates
g.	Explanation of method(s) used as an alternative to direct measurement	Used ITRC REPORT 03-001 ETc Table for Irrigation Scheduling and Design, Zone 12 for Surface Irrigation, Typical year adjusted for the reporting year using CIMIS monthly ETo for Manteca. For crops not covered by the ITRC report ETc was determined using ratios to alfalfa from Table A-5, DWR Bulletin 168, October 1978.

6. Purpose of Use	
Irrigation	607.3 Acres

7. Changes in Method of Diversion

8. Conservation of Water		
a.	Are you now employing water conservation efforts?	Yes
a.	Describe any water conservation efforts you have initiated	Good water management and farming practices, cover crops, mulching, laser leveling. 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. A specific amount conserved is not reported due to the lack of a present method to precisely quantify that amount.
b.	Amount of water conserved	Acre-Feet
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
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. Conjuctive 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.	

11a. Additional Remarks
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. (Note: add the following insertion to the above insertion if you had multiple PODs deliver water to the same field or parcel): The point of diversion that is the subject of this report is one of ___3___ (insert number) points of diversion that provided water to an approximate ____607.30___ 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.

Attachments		
File Name	**Description**	**Size**
No Attachments		

Contact Information of the Person Submitting the Form	
First Name	Clint
Last Name	Womack
Relation to Water Right	
Has read the form and agrees 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 2012

Primary Owner: Farmland Reserve, Inc.
Statement Number: S017817
Date Submitted: 2013-06-26

1. Water is used under	Riparian Claim Pre-1914 Claim Other: License 1605,4953 & Overlying & statutory rights (& contract right if applicable)
2. Year of first use	1800

3-4. Maximum Rate of Diversion for each Month and Amount of Water Diverted and Used

Month	Rate of diversion (CFS)	Amount directly diverted or collected to storage (Acre-Feet)	Amount beneficially used (Acre-Feet)
January	0.00001	0.00001	0.00001
February	0	31.39	31.39
March	7.34	0	0
April	0	29.32	29.32
May	5.29	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		60.71001	60.71001
Comments			

5. Water Diversion Measurement

a.	Measurement	Water directly diverted and/or diverted to storage was measured
b.	Types of measuring devices used	Acoustic Meter
c.	Additional technology used	Data Logger Flow Totalizer
	Description of additional technology used	solar power
d.	Who installed your measuring device(s)	Other/Unknown: California Licensed Contractor under the guidance of a California Licensed Civil Engineer
e.	Make, model number, and last calibration date of your measuring device(s)	AgriFlo, 3.00.5, 2-17-12
f.	Why direct measurement using a device listed in Section 1 is "not locally cost effective"	
	Explanation of why use of devices and technologies listed in Section 1 are "not locally cost effective"	
g.	Method(s) used as an alternative to direct measurement	

	Explanation of method(s) used as an alternative to direct measurement	

6. Purpose of Use	
Irrigation	2277 Acres

7. Changes in Method of Diversion

8. Conservation of Water		
a.	Are you now employing water conservation efforts?	Yes
a.	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. 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.
b.	Amount of water conserved	Acre-Feet
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
b.	Amount of reduced diversion	
b.	Type of substitute water supply	
b.	Amount of substitute water supply used	
b.	I have data to support the above surface water use reductions due to the use of a substitute water supply	

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

11a. Additional Remarks
Because text cannot be entered into the Max. Diversion Rate and Amount Diverted entry boxes, January's input of 0.00001 is a place holder to note that no data is available for the month of January. Flow meters were installed in February of 2012. Estimates of the overall crop evapotranspiration of water can readily be performed for the entire site; however the site specific irrigation practices and irrigation delivery system capabilities and configuration would require excessive speculation to report an amount used under the point of diversion. Therefore, this report presents the amount used the same as the amount diverted.

Attachments		
File Name	**Description**	**Size**
No Attachments		

Contact Information of the Person Submitting the Form	
First Name	Kelly
Last Name	Tryon

Relation to Water Right	Agent
Has read the form and agrees 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 2012

Primary Owner: Coney Island Farms Inc
Statement Number: S020858
Date Submitted: 2013-06-18

1. Water is used under	Riparian Claim Pre-1914 Claim Other: overlying & statutory rights
2. Year of first use	1800

3-4. Maximum Rate of Diversion for each Month and Amount of Water Diverted and Used

Month	Rate of diversion	Amount directly diverted or collected to storage (Acre-Feet)	Amount beneficially used (Acre-Feet)
January		19.48	12.18
February		10.85	6.78
March		11.37	7.1
April		11.77	7.35
May		30.85	19.28
June		81.03	50.64
July		82.04	51.28
August		49.18	30.74
September		3.98	2.49
October		6.16	3.85
November		8.95	5.59
December		10.31	6.44
Total		325.97	203.72
Comments			

5. Water Diversion Measurement

a.	Measurement	Direct measurement using a device listed in Section 1 is "not locally cost effective" for water directly diverted and/or diverted to storage
b.	Types of measuring devices used	
c.	Additional technology used	
	Description of additional technology used	
d.	Who installed your measuring device(s)	
e.	Make, model number, and last calibration date of your measuring device(s)	
f.	Why direct measurement using a device	Other

	listed in Section 1 is "not locally cost effective"	
	Explanation of why use of devices and technologies listed in Section 1 are "not locally cost effective"	The cost of acquisition, installation, maintenance (including vandalism and theft deterrence and remediation), collection and compilation of data from measuring devices is not locally cost-effective because the value of the local benefits of installing and maintaining meters is not greater than the value of the local cost of implementing that measure. There are no apparent grants available to otherwise cover costs of water meters and related actions. Moreover, the unique hydrogeological characteristics of the Delta (e.g., tides, seepage, interconnected channels, etc.) indicate that meters are not the best available technology in this region. Any water diverted in the Delta which is not consumed or evaporated is recycled to the Delta Pool for reuse. As further support for the conclusion that measuring devices are not locally cost-effective reference is made to the documentation on file with the SWRCB attesting to the lack of such cost-effectiveness submitted in connection with the SWRCB's July 21, 2011 "Water Measurement Workshop" and the SWRCB?s follow-up solicitation of comments (due November 18, 2011) re the same.
g.	Method(s) used as an alternative to direct measurement	Crop duty estimates/consumptive use estimates
g.	Explanation of method(s) used as an alternative to direct measurement	Used ITRC REPORT 03-001 ETc Table for Irrigation Scheduling and Design, Zone 12 for Surface Irrigation, Typical year adjusted for the reporting year using CIMIS monthly ETo for Manteca. For crops not covered by the ITRC report ETc was determined using ratios to alfalfa from Table A-5, DWR Bulletin 168, October 1978.

6. Purpose of Use	
Irrigation	79 Acres

7. Changes in Method of Diversion

8. Conservation of Water		
a.	Are you now employing water conservation efforts?	Yes
a.	Describe any water conservation efforts you have initiated	Good water management and farming practices, lined ditches and pipelines. 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. A specific amount conserved is not reported due to the lack of a present method to precisely quantify that amount.
b.	Amount of water conserved	Acre-Feet
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
b.	Amount of reduced diversion	
	Type of substitute water supply	
	Amount of substitute water supply used	

	' have data to support the above surface water use reductions due to the use of a substitute water supply	

10. Conjuctive 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.	

11a. Additional Remarks
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.

Attachments		
File Name	**Description**	**Size**
No Attachments		

Contact Information of the Person Submitting the Form	
First Name	Kelly
Last Name	Arceo
Relation to Water Right	Other
Has read the form and agrees 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 2012

Primary Owner: Coney Island Farms Inc
Statement Number: S020857
Date Submitted: 2013-06-18

1. Water is used under	Riparian Claim Pre-1914 Claim Other: overlying & statutory rights
2. Year of first use	1800

3-4. Maximum Rate of Diversion for each Month and Amount of Water Diverted and Used

Month	Rate of diversion	Amount directly diverted or collected to storage (Acre-Feet)	Amount beneficially used (Acre-Feet)
January		63.01	39.38
February		35.1	21.93
March		37.45	23.41
April		39.5	24.69
May		96.52	60.32
June		258.89	161.81
July		268.27	167.67
August		171.86	107.41
September		13.94	8.71
October		19.92	12.45
November		28.93	18.08
December		33.34	20.84
Total		1066.73	666.7
Comments			

5. Water Diversion Measurement

a.	Measurement	Direct measurement using a device listed in Section 1 is "not locally cost effective" for water directly diverted and/or diverted to storage
b.	Types of measuring devices used	
	Additional technology used	
c.	Description of additional technology used	
d.	Who installed your measuring device(s)	
e.	Make, model number, and last calibration date of your measuring device(s)	
f.	Why direct measurement using a device	Other

	listed in Section 1 is "not locally cost effective"	
	Explanation of why use of devices and technologies listed in Section 1 are "not locally cost effective"	The cost of acquisition, installation, maintenance (including vandalism and theft deterrence and remediation), collection and compilation of data from measuring devices is not locally cost-effective because the value of the local benefits of installing and maintaining meters is not greater than the value of the local cost of implementing that measure. There are no apparent grants available to otherwise cover costs of water meters and related actions. Moreover, the unique hydrogeological characteristics of the Delta (e.g., tides, seepage, interconnected channels, etc.) indicate that meters are not the best available technology in this region. Any water diverted in the Delta which is not consumed or evaporated is recycled to the Delta Pool for reuse. As further support for the conclusion that measuring devices are not locally cost-effective reference is made to the documentation on file with the SWRCB attesting to the lack of such cost-effectiveness submitted in connection with the SWRCB's July 21, 2011 "Water Measurement Workshop" and the SWRCB?s follow-up solicitation of comments (due November 18, 2011) re the same.
g.	Method(s) used as an alternative to direct measurement	Crop duty estimates/consumptive use estimates
g.	Explanation of method(s) used as an alternative to direct measurement	Used ITRC REPORT 03-001 ETc Table for Irrigation Scheduling and Design, Zone 12 for Surface Irrigation, Typical year adjusted for the reporting year using CIMIS monthly ETo for Manteca. For crops not covered by the ITRC report ETc was determined using ratios to alfalfa from Table A-5, DWR Bulletin 168, October 1978.

6. Purpose of Use	
Irrigation	255.5 Acres

7. Changes in Method of Diversion

8. Conservation of Water		
a.	Are you now employing water conservation efforts?	Yes
a.	Describe any water conservation efforts you have initiated	Good water management and farming practices, lined ditches and pipelines. 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. A specific amount conserved is not reported due to the lack of a present method to precisely quantify that amount.
b.	Amount of water conserved	Acre-Feet
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
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. Conjuctive 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.	

11a. Additional Remarks
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.

Attachments		
File Name	**Description**	**Size**
No Attachments		

Contact Information of the Person Submitting the Form	
First Name	Kelly
Last Name	Arceo
Relation to Water Right	Other
Has read the form and agrees 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 2012

Primary Owner: Victoria Island LP
Statement Number: S021293
Date Submitted: 2013-06-13

1. Water is used under	Riparian Claim Pre-1914 Claim
2. Year of first use	1800

3-4. Maximum Rate of Diversion for each Month and Amount of Water Diverted and Used

Month	Rate of diversion	Amount directly diverted or collected to storage (Acre-Feet)	Amount beneficially used (Acre-Feet)
January		72.16	45.1
February		71.18	44.69
March		61.9	38.69
April		107.39	67.12
May		212.16	132.6
June		312.56	195.35
July		274.38	171.49
August		146.26	91.41
September		98.02	61.26
October		51.62	32.26
November		46.59	29.12
December		42.82	26.76
Total		1497.04	935.85
Comments			

5. Water Diversion Measurement

a.	Measurement	Direct measurement using a device listed in Section 1 is "not locally cost effective" for water directly diverted and/or diverted to storage
b.	Types of measuring devices used	
c.	Additional technology used	
	Description of additional technology used	
d.	Who installed your measuring device(s)	
e.	Make, model number, and last calibration date of your measuring device(s)	
f.	Why direct measurement using a device listed in Section 1 is "not locally cost effective"	Other
	Explanation of why use of devices and technologies listed in Section 1 are "not locally cost effective"	The cost of acquisition, installation, maintenance, collection and compilation of data from measuring devices cannot be recovered and there is no apparent grant available to cover such costs. Excess water is recycled to the Delta Pool and the only practical way to determine water use is using ETo and ETc to support an estimate.

g.	Method(s) used as an alternative to direct measurement	Crop duty estimates/consumptive use estimates
	Explanation of method(s) used as an alternative to direct measurement	Used ITRC REPORT 03-001 ETc Table for Irrigation Scheduling and Design, Zone 12 for Surface Irrigation, Typical year adjusted for the reporting year using CIMIS monthly ETo for Manteca. For crops not covered by the ITRC report ETc was determined using ratios to alfalfa from Table A-5, DWR Bulletin 168, October 1978.

6. Purpose of Use	
Irrigation	292.6 Acres

7. Changes in Method of Diversion

8. Conservation of Water		
a.	Are you now employing water conservation efforts?	Yes
	Describe any water conservation efforts you have initiated	Good water and farming practices, lined ditches, pipelines and excess water is recycled to the Delta Pool.
b.	Amount of water conserved	Acre-Feet
	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. Conjuctive 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.	

11a. Additional Remarks
The amount diverted is a multiple of the reported amount used except that an amount is added to account for field flooding.

Attachments		
File Name	Description	Size
No Attachments		

Contact Information of the Person Submitting the Form	
First Name	James
Last Name	Jerkovich
Relation to Water Right	Other
Has read the form and agrees 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 2012

Primary Owner: TUSCANY RESEARCH INSTITUTE
Statement Number: S021003
Date Submitted: 2013-06-24

1. Water is used under	Riparian Claim Pre-1914 Claim Other: overlying and statutory rights
2. Year of first use	1800

3-4. Maximum Rate of Diversion for each Month and Amount of Water Diverted and Used

Month	Rate of diversion	Amount directly diverted or collected to storage (Acre-Feet)	Amount beneficially used (Acre-Feet)
January		168.79	22.09
February		28.64	17.9
March		83.28	52.05
April		54.09	33.81
May		87.13	54.45
June		243.65	152.28
July		289.05	180.65
August		200.86	125.54
September		17.52	10.95
October		22.87	14.29
November		166.77	20.82
December		164.9	19.66
Total		1527.55	704.49
Comments			

5. Water Diversion Measurement

a.	Measurement	Direct measurement using a device listed in Section 1 is "not locally cost effective" for water directly diverted and/or diverted to storage
b.	Types of measuring devices used	
	Additional technology used	
c.	Description of additional technology used	
d.	Who installed your measuring device(s)	
e.	Make, model number, and last calibration date of your measuring device(s)	
f.	Why direct measurement using a device	Other

	listed in Section 1 is "not locally cost effective"	
	Explanation of why use of devices and technologies listed in Section 1 are "not locally cost effective"	The cost of acquisition, installation, maintenance (including vandalism and theft deterrence and remediation), collection and compilation of data from measuring devices is not locally cost-effective because the value of the local benefits of installing and maintaining meters is not greater than the value of the local cost of implementing that measure. There are no apparent grants available to otherwise cover costs of water meters and related actions. Moreover, the unique hydrogeological characteristics of the Delta (e.g., tides, seepage, interconnected channels, etc.) indicate that meters are not the best available technology in this region. Any water diverted in the Delta which is not consumed or evaporated is recycled to the Delta Pool for reuse. As further support for the conclusion that measuring devices are not locally cost-effective reference is made to the documentation on file with the SWRCB attesting to the lack of such costeffectiveness submitted in connection with the SWRCB's July 21, 2011 "Water Measurement Workshop" and the SWRCB?s follow-up solicitation of comments (due November 18, 2011) re the same.
g.	Method(s) used as an alternative to direct measurement	Crop duty estimates/consumptive use estimates
	Explanation of method(s) used as an alternative to direct measurement	Used ITRC REPORT 03-001 ETc Table for Irrigation Scheduling and Design, Zone 12 for Surface Irrigation, Typical year adjusted for the reporting year using CIMIS monthly ETo for Manteca. For crops not covered by the ITRC report ETc was determined using ratios to alfalfa from Table A-5, DWR Bulletin 168, October 1978.

6. Purpose of Use	
Irrigation	615.5 Acres

7. Changes in Method of Diversion

8. Conservation of Water		
a.	Are you now employing water conservation efforts?	Yes
	Describe any water conservation efforts you have initiated	Good water management and farming practicescover crops, mulching, laser leveling. 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. A specific amount conserved is not reported due to the lack of a present method to precisely quantify that amount.
b.	Amount of water conserved	Acre-Feet
	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
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. Conjuctive 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.	

11a. Additional Remarks
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. (Note: add the following insertion to the above insertion if you had multiple PODs deliver water to the same field or parcel): The point of diversion that is the subject of this report is one of ____2__ (insert number) points of diversion that provided water to an approximate ____615.50___ 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.

Attachments		
File Name	**Description**	**Size**
No Attachments		

Contact Information of the Person Submitting the Form	
First Name	Clint
Last Name	Womack
Relation to Water Right	
Has read the form and agrees 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 2012

Primary Owner: Coney Island Farms Inc
Statement Number: S020859
Date Submitted: 2013-06-18

1. Water is used under	Riparian Claim Pre-1914 Claim Other: overlying & statutory rights
2. Year of first use	1800

3-4. Maximum Rate of Diversion for each Month and Amount of Water Diverted and Used

Month	Rate of diversion	Amount directly diverted or collected to storage (Acre-Feet)	Amount beneficially used (Acre-Feet)
January		9.99	6.24
February		5.56	3.48
March		5.51	3.45
April		5.38	3.36
May		17.3	10.81
June		42.99	26.87
July		40.73	25.45
August		19.39	12.12
September		1.55	0.97
October		3.16	1.97
November		4.59	2.87
December		5.29	3.3
Total		161.44	100.89
Comments			

5. Water Diversion Measurement		
a.	Measurement	Direct measurement using a device listed in Section 1 is "not locally cost effective" for water directly diverted and/or diverted to storage
b.	Types of measuring devices used	
c.	Additional technology used	
	Description of additional technology used	
d.	Who installed your measuring device(s)	
e.	Make, model number, and last calibration date of your measuring device(s)	
f.	Why direct measurement using a device	Other

	listed in Section 1 is "not locally cost effective"	
	Explanation of why use of devices and technologies listed in Section 1 are "not locally cost effective"	The cost of acquisition, installation, maintenance (including vandalism and theft deterrence and remediation), collection and compilation of data from measuring devices is not locally cost-effective because the value of the local benefits of installing and maintaining meters is not greater than the value of the local cost of implementing that measure. There are no apparent grants available to otherwise cover costs of water meters and related actions. Moreover, the unique hydrogeological characteristics of the Delta (e.g., tides, seepage, interconnected channels, etc.) indicate that meters are not the best available technology in this region. Any water diverted in the Delta which is not consumed or evaporated is recycled to the Delta Pool for reuse. As further support for the conclusion that measuring devices are not locally cost-effective reference is made to the documentation on file with the SWRCB attesting to the lack of such cost-effectiveness submitted in connection with the SWRCB's July 21, 2011 "Water Measurement Workshop" and the SWRCB?s follow-up solicitation of comments (due November 18, 2011) re the same.
g.	Method(s) used as an alternative to direct measurement	Crop duty estimates/consumptive use estimates
g.	Explanation of method(s) used as an alternative to direct measurement	Used ITRC REPORT 03-001 ETc Table for Irrigation Scheduling and Design, Zone 12 for Surface Irrigation, Typical year adjusted for the reporting year using CIMIS monthly ETo for Manteca. For crops not covered by the ITRC report ETc was determined using ratios to alfalfa from Table A-5, DWR Bulletin 168, October 1978.

6. Purpose of Use	
Irrigation	22 Acres

7. Changes in Method of Diversion

8. Conservation of Water		
a.	Are you now employing water conservation efforts?	Yes
a.	Describe any water conservation efforts you have initiated	Good water management and farming practices, lined ditches and pipelines. 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. A specific amount conserved is not reported due to the lack of a present method to precisely quantify that amount.
b.	Amount of water conserved	Acre-Feet
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
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. Conjuctive 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.	

11a. Additional Remarks
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.

Attachments		
File Name	**Description**	**Size**
No Attachments		

Contact Information of the Person Submitting the Form	
First Name	Kelly
Last Name	Arceo
Relation to Water Right	Other
Has read the form and agrees 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 2012

Primary Owner: ROBERT M ACOSTA
Statement Number: S016582
Date Submitted: 2013-04-04

1. Water is used under	Pre-1914 Claim
2. Year of first use	1800

3-4. Maximum Rate of Diversion for each Month and Amount of Water Diverted and Used

Month	Rate of diversion	Amount directly diverted or collected to storage (Acre-Feet)	Amount beneficially used (Acre-Feet)
January		0	0
February		0	0
March		0	0
April		48	48
May		48	48
June		48	48
July		48	48
August		48	48
September		24	24
October		0	0
November		0	0
December		0	0
Total		264	264
Comments	The water is used for irrigation of row crops and various types of hay. Corn is also produced on a rotating basis. The farm has been in continuous production since the 1800's.		

5. Water Diversion Measurement

a.	Measurement	Direct measurement using a device listed in Section 1 is "not locally cost effective" for water directly diverted and/or diverted to storage
b.	Types of measuring devices used	
c.	Additional technology used	
	Description of additional technology used	
d.	Who installed your measuring device(s)	
e.	Make, model number, and last calibration date of your measuring device(s)	
f.	Why direct measurement using a device listed in Section 1 is "not locally cost effective"	Diversions are infrequent No power at diversion point Other
	Explanation of why use of devices and technologies listed in Section 1 are "not locally cost effective"	the cost to bring in power is expensive. the diversion is 2 times per. month for 6 mo. The farm is not used as a primary source of income and only on a part time basis. This is a family farm/hobby not a business.

g.	Method(s) used as an alternative to direct measurement	Crop duty estimates/consumptive use estimates Modeled/estimated flows
	Explanation of method(s) used as an alternative to direct measurement	water control via direct visual observations. The amt. of water use is est. using time and water management principles from records for the past 100 years. The amount of water use for 24 ac. is averaged by using accumulated data from previous water use records.

6. Purpose of Use	
Irrigation	24 Acres

7. Changes in Method of Diversion
enlarge diversion dam. Rework , realign old ditches. New slide gates obtained. All surface ditches cleaned with backhoe . All debris removed and sent to land field. All weeds and other dead forge removed .

8. Conservation of Water		
a.	Are you now employing water conservation efforts?	Yes
	Describe any water conservation efforts you have initiated	new g ate valves installed on all irrigation flow points. weed control on continuous schedule.
b.	Amount of water conserved	Acre-Feet
	I have data to support the above surface water use reductions due to conservation efforts.	Yes

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. Conjuctive 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.	

11a. Additional Remarks

Attachments		
File Name	Description	Size
No Attachments		

Contact Information of the Person Submitting the Form	
First Name	robert
Last Name	acosta
Relation to Water Right	Owner
Has read the form and agrees 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 2012

Primary Owner: Berniece L. Silva Trust
Statement Number: S018507
Date Submitted: 2013-06-12

1. Water is used under	Riparian Claim Pre-1914 Claim Other: overlying & statutory rights
2. Year of first use	1800

3-4. Maximum Rate of Diversion for each Month and Amount of Water Diverted and Used

Month	Rate of diversion	Amount directly diverted or collected to storage (Acre-Feet)	Amount beneficially used (Acre-Feet)
January		21.65	13.53
February		12.06	7.54
March		13.34	8.34
April		14.57	9.11
May		30.9	19.32
June		86.75	54.22
July		94.21	58.88
August		67.93	42.46
September		5.53	3.46
October		6.84	4.28
November		9.94	6.21
December		11.46	7.16
Total		375.18	234.51
Comments			

5. Water Diversion Measurement

a.	Measurement	Direct measurement using a device listed in Section 1 is "not locally cost effective" for water directly diverted and/or diverted to storage
b.	Types of measuring devices used	
c.	Additional technology used	
	Description of additional technology used	
d.	Who installed your measuring device(s)	
e.	Make, model number, and last calibration date of your measuring device(s)	
f.	Why direct measurement using a device	Other

	listed in Section 1 is "not locally cost effective"	
	Explanation of why use of devices and technologies listed in Section 1 are "not locally cost effective"	The cost of acquisition, installation, maintenance (including vandalism and theft deterrence and remediation), collection and compilation of data from measuring devices is not locally cost-effective because the value of the local benefits of installing and maintaining meters is not greater than the value of the local cost of implementing that measure. There are no apparent grants available to otherwise cover costs of water meters and related actions. Moreover, the unique hydrogeological characteristics of the Delta (e.g., tides, seepage, interconnected channels, etc.) indicate that meters are not the best available technology in this region. Any water diverted in the Delta which is not consumed or evaporated is recycled to the Delta Pool for reuse. As further support for the conclusion that measuring devices are not locally cost-effective reference is made to the documentation on file with the SWRCB attesting to the lack of such cost-effectiveness submitted in connection with the SWRCB's July 21, 2011 "Water Measurement Workshop" and the SWRCB?s follow-up solicitation of comments (due November 18, 2011) re the same.
g.	Method(s) used as an alternative to direct measurement	Crop duty estimates/consumptive use estimates
g.	Explanation of method(s) used as an alternative to direct measurement	Used ITRC REPORT 03-001 ETc Table for Irrigation Scheduling and Design, Zone 12 for Surface Irrigation, Typical year adjusted for the reporting year using CIMIS monthly ETo for Manteca. For crops not covered by the ITRC report ETc was determined using ratios to alfalfa from Table A-5, DWR Bulletin 168, October 1978.

6. Purpose of Use	
Irrigation	87.79 Acres

7. Changes in Method of Diversion

8. Conservation of Water		
a.	Are you now employing water conservation efforts?	Yes
a.	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. 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.
b.	Amount of water conserved	Acre-Feet
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
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. Conjuctive 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.	

11a. Additional Remarks
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.

Attachments		
File Name	**Description**	**Size**
No Attachments		

Contact Information of the Person Submitting the Form	
First Name	Kelly
Last Name	Arceo
Relation to Water Right	Other
Has read the form and agrees 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 2012

Primary Owner: Abbate Farms
Statement Number: S018798
Date Submitted: 2013-07-24

1. Water is used under	Riparian Claim Pre-1914 Claim Other: OVERLYING AND STATUTORY RIGHTS
2. Year of first use	1800

3-4. Maximum Rate of Diversion for each Month and Amount of Water Diverted and Used

Month	Rate of diversion	Amount directly diverted or collected to storage (Acre-Feet)	Amount beneficially used (Acre-Feet)
January		0	0
February		0	0
March		14.38	8.99
April		67.79	42.37
May		100.65	62.91
June		109.48	68.42
July		187.14	116.96
August		129.18	80.74
September		103.35	64.6
October		0	0
November		0	0
December		0	0
Total		711.97	444.99
Comments			

5. Water Diversion Measurement		
a.	Measurement	Direct measurement using a device listed in Section 1 is "not locally cost effective" for water directly diverted and/or diverted to storage
b.	Types of measuring devices used	
c.	Additional technology used	
	Description of additional technology used	
d.	Who installed your measuring device(s)	
e.	Make, model number, and last calibration date of your measuring device(s)	
f.	Why direct measurement using a device	Other

	listed in Section 1 is "not locally cost effective"	
	Explanation of why use of devices and technologies listed in Section 1 are "not locally cost effective"	The cost of acquisition, installation, maintenance (including vandalism and theft deterrence and remediation), collection and compilation of data from measuring devices is not locally cost-effective because the value of the local benefits of installing and maintaining meters is not greater than the value of the local cost of implementing that measure. There are no apparent grants available to otherwise cover costs of water meters and related actions. Moreover, the unique hydrogeological characteristics of the Delta (e.g., tides, seepage, interconnected channels, etc.) indicate that meters are not the best available technology in this region. Any water diverted in the Delta which is not consumed or evaporated is recycled to the Delta Pool for reuse. As further support for the conclusion that measuring devices are not locally cost-effective reference is made to the documentation on file with the SWRCB attesting to the lack of such cost-effectiveness submitted in connection with the SWRCB's July 21, 2011 "Water Measurement Workshop" and the SWRCB's follow-up solicitation of comments (due November 18, 2011) re the same.
g.	Method(s) used as an alternative to direct measurement	Crop duty estimates/consumptive use estimates
g.	Explanation of method(s) used as an alternative to direct measurement	Used ITRC REPORT 03-001 ETc Table for Irrigation Scheduling and Design, Zone 12 for Surface Irrigation, Typical year adjusted for the reporting year using CIMIS monthly ETo for Manteca. For crops not covered by the ITRC report ETc was determined using ratios to alfalfa from Table A-5, DWR Bulletin 168, October 1978.

6. Purpose of Use	
Irrigation	255 Acres

7. Changes in Method of Diversion

8. Conservation of Water		
a.	Are you now employing water conservation efforts?	Yes
a.	Describe any water conservation efforts you have initiated	Good water management and farming practices, and/or lined ditches, and/or pipelines, and/or drip irrigation, and/or sprinkler irrigation, and/or low energy spray irrigation, and/or cover crops, and/or mulching, and/or laser leveling. 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. A specific amount conserved is not reported due to the lack of a present method to precisely quantify that amount.
b.	Amount of water conserved	Acre-Feet
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
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. Conjuctive 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.	

11a. Additional Remarks
The amount shown as "used" may include months during which any permanent crop was not irrigated and/or months during which any annual crop was not in place. This is done to reflect the actual water used or lost from the land (including weeds) as per the UC Davis/CalPoly data on ET. This is done because any water "consumed" in this area is a net decrease in the Delta Pool. However, the amounts shown as diverted in each month reflects only actual diversions. Hence, the information submitted may show water use in months with no surface water diversion.

Attachments		
File Name	**Description**	**Size**
No Attachments		

Contact Information of the Person Submitting the Form	
First Name	JOHN
Last Name	HERRICK
Relation to Water Right	Agent
Has read the form and agrees 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 2012

Primary Owner: Sarale Farms Inc
Statement Number: S016653
Date Submitted: 2013-07-19

1. Water is used under	Riparian Claim Pre-1914 Claim Other: OVERLYING AND STATUTORY RIGHTS
2. Year of first use	1800

3-4. Maximum Rate of Diversion for each Month and Amount of Water Diverted and Used

Month	Rate of diversion	Amount directly diverted or collected to storage (Acre-Feet)	Amount beneficially used (Acre-Feet)
January		0	0
February		0	0
March		0	0
April		50.22	31.39
May		74.57	46.61
June		81.11	50.7
July		77.35	48.34
August		68.33	42.71
September		51.47	32.17
October		21.68	13.55
November		0	0
December		0	0
Total		424.73	265.47
Comments			

5. Water Diversion Measurement

a.	Measurement	Direct measurement using a device listed in Section 1 is "not locally cost effective" for water directly diverted and/or diverted to storage
b.	Types of measuring devices used	
	Additional technology used	
c.	Description of additional technology used	
d.	Who installed your measuring device(s)	
e.	Make, model number, and last calibration date of your measuring device(s)	
f.	Why direct measurement using a device	Other

	listed in Section 1 is "not locally cost effective"	
	Explanation of why use of devices and technologies listed in Section 1 are "not locally cost effective"	The cost of acquisition, installation, maintenance (including vandalism and theft deterrence and remediation), collection and compilation of data from measuring devices is not locally cost-effective because the value of the local benefits of installing and maintaining meters is not greater than the value of the local cost of implementing that measure. There are no apparent grants available to otherwise cover costs of water meters and related actions. Moreover, the unique hydrogeological characteristics of the Delta (e.g., tides, seepage, interconnected channels, etc.) indicate that meters are not the best available technology in this region. Any water diverted in the Delta which is not consumed or evaporated is recycled to the Delta Pool for reuse. As further support for the conclusion that measuring devices are not locally cost-effective reference is made to the documentation on file with the SWRCB attesting to the lack of such cost-effectiveness submitted in connection with the SWRCB's July 21, 2011 "Water Measurement Workshop" and the SWRCB's follow-up solicitation of comments (due November 18, 2011) re the same.
g.	Method(s) used as an alternative to direct measurement	Crop duty estimates/consumptive use estimates
g.	Explanation of method(s) used as an alternative to direct measurement	Used ITRC REPORT 03-001 ETc Table for Irrigation Scheduling and Design, Zone 12 for Surface Irrigation, Typical year adjusted for the reporting year using CIMIS monthly ETo for Manteca. For crops not covered by the ITRC report ETc was determined using ratios to alfalfa from Table A-5, DWR Bulletin 168, October 1978.

6. Purpose of Use	
Irrigation	81.5 Acres

7. Changes in Method of Diversion

8. Conservation of Water		
a.	Are you now employing water conservation efforts?	Yes
a.	Describe any water conservation efforts you have initiated	Good water management and farming practices, and/or lined ditches, and/or pipelines, and/or drip irrigation, and/or sprinkler irrigation, and/or low energy spray irrigation, and/or cover crops, and/or mulching, and/or laser leveling. 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. A specific amount conserved is not reported due to the lack of a present method to precisely quantify that amount.
b.	Amount of water conserved	Acre-Feet
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
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. Conjuctive 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.	

11a. Additional Remarks
The amount shown as "used" may include months during which any permanent crop was not irrigated and/or months during which any annual crop was not in place. This is done to reflect the actual water used or lost from the land (including weeds) as per the UC Davis/CalPoly data on ET. This is done because any water "consumed" in this area is a net decrease in the Delta Pool. However, the amounts shown as diverted in each month reflects only actual diversions. Hence, the information submitted may show water use in months with no surface water diversion.

Attachments		
File Name	**Description**	**Size**
No Attachments		

Contact Information of the Person Submitting the Form	
First Name	JOHN
Last Name	HERRICK
Relation to Water Right	Agent
Has read the form and agrees 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 2012

Primary Owner: TROY DAYAK
Statement Number: S017590
Date Submitted: 2013-06-30

1. Water is used under	Riparian Claim Pre-1914 Claim
2. Year of first use	1800

3-4. Maximum Rate of Diversion for each Month and Amount of Water Diverted and Used

Month	Rate of diversion (CFS)	Amount directly 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	0.51	20.4	20.4
May	0.46	18.4	18.4
June	0.68	27.2	27.2
July	0.78	31.2	31.2
August	0.68	27.2	27.2
September	0.51	20.4	20.4
October	0	0	0
November	0	0	0
December	0	0	0
Total		144.8	144.8
Comments			

5. Water Diversion Measurement

a.	Measurement	Direct measurement using a device listed in Section 1 is "not locally cost effective" for water directly diverted and/or diverted to storage
b.	Types of measuring devices used	
c.	Additional technology used	
	Description of additional technology used	
d.	Who installed your measuring device(s)	
e.	Make, model number, and last calibration date of your measuring device(s)	
f.	Why direct measurement using a device listed in Section 1 is "not locally cost effective"	Other
	Explanation of why use of devices and technologies listed in Section 1 are "not locally cost effective"	a meter is on this pump to measure electric usage and time usage. the horsepower multiplied by the time usage give us the cubic feet.
g.	Method(s) used as an alternative to direct measurement	Electricity records dedicated to the pump
	Explanation of method(s) used as an alternative to direct measurement	a meter devoted to this diversion pump gives us the usage.

6. Purpose of Use

irrigation	40 Acres
Stockwatering	0
Domestic	0

7. Changes in Method of Diversion

8. Conservation of Water		
a.	Are you now employing water conservation efforts?	Yes
	Describe any water conservation efforts you have initiated	continuing to eliminate seepage, leakage and waste
b.	Amount of water conserved	Acre-Feet
	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. Conjuctive 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.	

11a. Additional Remarks

Attachments		
File Name	Description	Size
No Attachments		

Contact Information of the Person Submitting the Form	
First Name	Candy
Last Name	Soares
Relation to Water Right	Other
Has read the form and agrees 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 2012

Primary Owner: ANTONIO BRASIL
Statement Number: S018081
Date Submitted: 2013-06-25

1. Water is used under	Riparian Claim Pre-1914 Claim Other: overlying and statutory rights
2. Year of first use	1800

3-4. Maximum Rate of Diversion for each Month and Amount of Water Diverted and Used

Month	Rate of diversion	Amount directly diverted or collected to storage (Acre-Feet)	Amount beneficially used (Acre-Feet)
January		130.73	81.7
February		0	0
March		0	0
April		0	0
May		184.64	115.29
June		517.81	323.63
July		562.32	351.45
August		405.47	253.42
September		33.03	20.64
October		25.26	15.78
November		37.89	23.68
December		38.29	23.93
Total		1935.44	1209.52
Comments			

5. Water Diversion Measurement

a.	Measurement	Direct measurement using a device listed in Section 1 is "not locally cost effective" for water directly diverted and/or diverted to storage
b.	Types of measuring devices used	
c.	Additional technology used	
	Description of additional technology used	
d.	Who installed your measuring device(s)	
e.	Make, model number, and last calibration date of your measuring device(s)	
f.	Why direct measurement using a device	Other

	listed in Section 1 is "not locally cost effective"	
	Explanation of why use of devices and technologies listed in Section 1 are "not locally cost effective"	The cost of acquisition, installation, maintenance (including vandalism and theft deterrence and remediation), collection and compilation of data from measuring devices is not locally cost-effective because the value of the local benefits of installing and maintaining meters is not greater than the value of the local cost of implementing that measure. There are no apparent grants available to otherwise cover costs of water meters and related actions. Moreover, the unique hydrogeological characteristics of the Delta (e.g., tides, seepage, interconnected channels, etc.) indicate that meters are not the best available technology in this region. Any water diverted in the Delta which is not consumed or evaporated is recycled to the Delta Pool for reuse. As further support for the conclusion that measuring devices are not locally cost-effective reference is made to the documentation on file with the SWRCB attesting to the lack of such cost-effectiveness submitted in connection with the SWRCB's July 21, 2011 "Water Measurement Workshop" and the SWRCB's follow-up solicitation of comments (due November 18, 2011) re the same.
g.	Method(s) used as an alternative to direct measurement	Crop duty estimates/consumptive use estimates
g.	Explanation of method(s) used as an alternative to direct measurement	Used ITRC REPORT 03-001 ETc Table for Irrigation Scheduling and Design, Zone 12 for Surface Irrigation, Typical year adjusted for the reporting year using CIMIS monthly ETo for Manteca. For crops not covered by the ITRC report ETc was determined using ratios to alfalfa from Table A-5, DWR Bulletin 168, October 1978.

6. Purpose of Use	
Irrigation	524 Acres

7. Changes in Method of Diversion

8. Conservation of Water		
a.	Are you now employing water conservation efforts?	Yes
a.	Describe any water conservation efforts you have initiated	Good water management and farming practices, and/or lined ditches, and/or pipelines, and/or drip irrigation, and/or sprinkler irrigation, and/or low energy spray irrigation, and/or cover crops, and/or mulching, and/or laser leveling. 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. A specific amount conserved is not reported due to the lack of a present method to precisely quantify that amount.
b.	Amount of water conserved	Acre-Feet
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
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. Conjuctive 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.	

11a. Additional Remarks
The amount shown as "used" may include months during which any permanent crop was not irrigated and/or months during which any annual crop was not in place. This is done to reflect the actual water used or lost from the land (including weeds) as per the UC Davis/CalPoly data on ET. This is done because any water "consumed" in this area is a net decrease in the Delta Pool. However, the amounts shown as diverted in each month reflects only actual diversions. Hence, the information submitted may show water use in months with no surface water diversion.

Attachments		
File Name	**Description**	**Size**
No Attachments		

Contact Information of the Person Submitting the Form	
First Name	John
Last Name	Herrick
Relation to Water Right	Agent
Has read the form and agrees 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 2012

Primary Owner: Roy Mazzanti Revocable Trust
Statement Number: S017899
Date Submitted: 2013-06-24

1. Water is used under	Riparian Claim Pre-1914 Claim Other: overlying & statutory rights
2. Year of first use	1800

3-4. Maximum Rate of Diversion for each Month and Amount of Water Diverted and Used

Month	Rate of diversion	Amount directly diverted or collected to storage (Acre-Feet)	Amount beneficially used (Acre-Feet)
January		70	14.45
February		12.88	8.05
March		14.25	8.91
April		15.56	9.73
May		33	20.63
June		92.64	57.9
July		100.61	62.88
August		72.54	45.34
September		5.91	3.69
October		7.31	4.57
November		10.62	6.64
December		59.11	7.65
Total		494.43	250.44
Comments			

5. Water Diversion Measurement

a.	Measurement	Direct measurement using a device listed in Section 1 is "not locally cost effective" for water directly diverted and/or diverted to storage
b.	Types of measuring devices used	
c.	Additional technology used	
	Description of additional technology used	
d.	Who installed your measuring device(s)	
e.	Make, model number, and last calibration date of your measuring device(s)	
f.	Why direct measurement using a device	Other

	listed in Section 1 is "not locally cost effective"	
	Explanation of why use of devices and technologies listed in Section 1 are "not locally cost effective"	The cost of acquisition, installation, maintenance (including vandalism and theft deterrence and remediation), collection and compilation of data from measuring devices is not locally cost-effective because the value of the local benefits of installing and maintaining meters is not greater than the value of the local cost of implementing that measure. There are no apparent grants available to otherwise cover costs of water meters and related actions. Moreover, the unique hydrogeological characteristics of the Delta (e.g., tides, seepage, interconnected channels, etc.) indicate that meters are not the best available technology in this region. Any water diverted in the Delta which is not consumed or evaporated is recycled to the Delta Pool for reuse. As further support for the conclusion that measuring devices are not locally cost-effective reference is made to the documentation on file with the SWRCB attesting to the lack of such cost-effectiveness submitted in connection with the SWRCB's July 21, 2011 "Water Measurement Workshop" and the SWRCB?s follow-up solicitation of comments (due November 18, 2011) re the same.
g.	Method(s) used as an alternative to direct measurement	Crop duty estimates/consumptive use estimates
g.	Explanation of method(s) used as an alternative to direct measurement	Used ITRC REPORT 03-001 ETc Table for Irrigation Scheduling and Design, Zone 12 for Surface Irrigation, Typical year adjusted for the reporting year using CIMIS monthly ETo for Manteca. For crops not covered by the ITRC report ETc was determined using ratios to alfalfa from Table A-5, DWR Bulletin 168, October 1978.

6. Purpose of Use	
Irrigation	93.75 Acres

7. Changes in Method of Diversion

8. Conservation of Water		
a.	Are you now employing water conservation efforts?	Yes
a.	Describe any water conservation efforts you have initiated	Good water management and farming practices, lined ditches and pipelines. 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. A specific amount conserved is not reported due to the lack of a present method to precisely quantify that amount.
b.	Amount of water conserved	Acre-Feet
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
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. Conjuctive 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.	

11a. Additional Remarks
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 point of diversion that is the subject of this report is one of four points of diversion that provided water to an approximate 375 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 among them.

Attachments		
File Name	**Description**	**Size**
No Attachments		

Contact Information of the Person Submitting the Form	
First Name	Kelly
Last Name	Arceo
Relation to Water Right	Other
Has read the form and agrees 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 2012

Primary Owner: TRANSMISSION AGENCY OF NORTHERN CALIFORNIA
Statement Number: S021250
Date Submitted: 2013-06-21

1. Water is used under	Riparian Claim Pre-1914 Claim Other: overlying & statutory rights
2. Year of first use	1800

3-4. Maximum Rate of Diversion for each Month and Amount of Water Diverted and Used

Month	Rate of diversion	Amount directly diverted or collected to storage (Acre-Feet)	Amount beneficially used (Acre-Feet)
January		308.52	43.39
February		200.53	25.21
March		122.26	27.1
April		66.07	41.29
May		133.01	83.13
June		279.5	174.68
July		261.85	163.65
August		187.04	116.9
September		15.45	9.66
October		100.85	13.71
November		192.08	19.92
December		275.84	22.96
Total		2143	741.6
Comments			

5. Water Diversion Measurement

a.	Measurement	Direct measurement using a device listed in Section 1 is "not locally cost effective" for water directly diverted and/or diverted to storage
b.	Types of measuring devices used	
	Additional technology used	
c.	Description of additional technology used	
d.	Who installed your measuring device(s)	
e.	Make, model number, and last calibration date of your measuring device(s)	
f.	Why direct measurement using a device	Other

	listed in Section 1 is "not locally cost effective"	
	Explanation of why use of devices and technologies listed in Section 1 are "not locally cost effective"	The cost of acquisition, installation, maintenance (including vandalism and theft deterrence and remediation), collection and compilation of data from measuring devices is not locally cost-effective because the value of the local benefits of installing and maintaining meters is not greater than the value of the local cost of implementing that measure. There are no apparent grants available to otherwise cover costs of water meters and related actions. Moreover, the unique hydrogeological characteristics of the Delta (e.g., tides, seepage, interconnected channels, etc.) indicate that meters are not the best available technology in this region. Any water diverted in the Delta which is not consumed or evaporated is recycled to the Delta Pool for reuse. As further support for the conclusion that measuring devices are not locally cost-effective reference is made to the documentation on file with the SWRCB attesting to the lack of such cost effectiveness submitted in connection with the SWRCB's July 21, 2011 "Water Measurement Workshop" and the SWRCB?s follow-up solicitation of comments (due November 18, 2011) re the same.
g.	Method(s) used as an alternative to direct measurement	Crop duty estimates/consumptive use estimates
g.	Explanation of method(s) used as an alternative to direct measurement	Used ITRC REPORT 03-001 ETc Table for Irrigation Scheduling and Design, Zone 12 for Surface Irrigation, Typical year adjusted for the reporting year using CIMIS monthly ETo for Manteca. For crops not covered by the ITRC report ETc was determined using ratios to alfalfa from Table A-5, DWR Bulletin 168, October 1978.

6. Purpose of Use	
Irrigation	281.5 Acres

7. Changes in Method of Diversion

8. Conservation of Water		
a.	Are you now employing water conservation efforts?	Yes
a.	Describe any water conservation efforts you have initiated	Good water management and farming practices, pipelines, cover crops, mulching, laser leveling. 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. A specific amount conserved is not reported due to the lack of a present method to precisely quantify that amount.
b.	Amount of water conserved	Acre-Feet
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
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. Conjuctive 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.	

11a. Additional Remarks
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.

Attachments		
File Name	**Description**	**Size**
No Attachments		

Contact Information of the Person Submitting the Form	
First Name	DON
Last Name	WAGENET
Relation to Water Right	Other
Has read the form and agrees 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 2012

Primary Owner: Grunauer Community Property Trust et al
Statement Number: S017215
Date Submitted: 2013-06-19

1. Water is used under	Riparian Claim Pre-1914 Claim Other: overlying and statutory rights
2. Year of first use	1800

3-4. Maximum Rate of Diversion for each Month and Amount of Water Diverted and Used

Month	Rate of diversion	Amount directly diverted or collected to storage (Acre-Feet)	Amount beneficially used (Acre-Feet)
January		0	0
February		0	0
March		0	0
April		6.83	4.27
May		35.61	22.25
June		54.54	34.09
July		173.61	108.51
August		204.79	127.99
September		52.83	33.02
October		0	0
November		0	0
December		0	0
Total		528.21	330.13
Comments			

5. Water Diversion Measurement

a.	Measurement	Direct measurement using a device listed in Section 1 is "not locally cost effective" for water directly diverted and/or diverted to storage
b.	Types of measuring devices used	
c.	Additional technology used	
	Description of additional technology used	
d.	Who installed your measuring device(s)	
e.	Make, model number, and last calibration date of your measuring device(s)	
f.	Why direct measurement using a device	Other

	listed in Section 1 is "not locally cost effective"	
	Explanation of why use of devices and technologies listed in Section 1 are "not locally cost effective"	The cost of acquisition, installation, maintenance (including vandalism and theft deterrence and remediation), collection and compilation of data from measuring devices is not locally cost-effective because the value of the local benefits of installing and maintaining meters is not greater than the value of the local cost of implementing that measure. There are no apparent grants available to otherwise cover costs of water meters and related actions. Moreover, the unique hydrogeological characteristics of the Delta (e.g., tides, seepage, interconnected channels, etc.) indicate that meters are not the best available technology in this region. Any water diverted in the Delta which is not consumed or evaporated is recycled to the Delta Pool for reuse. As further support for the conclusion that measuring devices are not locally cost-effective reference is made to the documentation on file with the SWRCB attesting to the lack of such cost-effectiveness submitted in connection with the SWRCB's July 21, 2011 "Water Measurement Workshop" and the SWRCB's follow-up solicitation of comments (due November 18, 2011) re the same.
g.	Method(s) used as an alternative to direct measurement	Crop duty estimates/consumptive use estimates
g.	Explanation of method(s) used as an alternative to direct measurement	Used ITRC REPORT 03-001 ETc Table for Irrigation Scheduling and Design, Zone 12 for Surface Irrigation, Typical year adjusted for the reporting year using CIMIS monthly ETo for Manteca. For crops not covered by the ITRC report ETc was determined using ratios to alfalfa from Table A-5, DWR Bulletin 168, October 1978.

6. Purpose of Use	
Irrigation	259.94 Acres

7. Changes in Method of Diversion

8. Conservation of Water		
a.	Are you now employing water conservation efforts?	Yes
a.	Describe any water conservation efforts you have initiated	Good water management and farming practices, and/or lined ditches, and/or pipelines, and/or drip irrigation, and/or sprinkler irrigation, and/or low energy spray irrigation, and/or cover crops, and/or mulching, and/or laser leveling. 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. A specific amount conserved is not reported due to the lack of a present method to precisely quantify that amount.
b.	Amount of water conserved	Acre-Feet
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
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. Conjuctive 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.	

11a. Additional Remarks
The amount shown as "used" may include months during which any permanent crop was not irrigated and/or months during which any annual crop was not in place. This is done to reflect the actual water used or lost from the land (including weeds) as per the UC Davis/CalPoly data on ET. This is done because any water "consumed" in this area is a net decrease in the Delta Pool. However, the amounts shown as diverted in each month reflects only actual diversions. Hence, the information submitted may show water use in months with no surface water diversion.

Attachments		
File Name	**Description**	**Size**
No Attachments		

Contact Information of the Person Submitting the Form	
First Name	John
Last Name	Herrick
Relation to Water Right	Agent
Has read the form and agrees 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 2012

Primary Owner: GLORIA A BACCHETTI
Statement Number: S019076
Date Submitted: 2013-06-26

1. Water is used under	Riparian Claim Pre-1914 Claim Other: overlying and statutory rights
2. Year of first use	1800

3-4. Maximum Rate of Diversion for each Month and Amount of Water Diverted and Used

Month	Rate of diversion	Amount directly diverted or collected to storage (Acre-Feet)	Amount beneficially used (Acre-Feet)
January		10.06	6.29
February		29.82	18.64
March		27.39	17.12
April		74.49	46.56
May		144.22	90.13
June		240.5	150.31
July		227.19	141.99
August		102.78	64.24
September		25.74	16.09
October		0	0
November		0	0
December		0	0
Total		882.19	551.37
Comments			

5. Water Diversion Measurement

a.	Measurement	Direct measurement using a device listed in Section 1 is "not locally cost effective" for water directly diverted and/or diverted to storage
b.	Types of measuring devices used	
	Additional technology used	
c.	Description of additional technology used	
d.	Who installed your measuring device(s)	
e.	Make, model number, and last calibration date of your measuring device(s)	
f.	Why direct measurement using a device	Other

	listed in Section 1 is "not locally cost effective"	
	Explanation of why use of devices and technologies listed in Section 1 are "not locally cost effective"	The cost of acquisition, installation, maintenance (including vandalism and theft deterrence and remediation), collection and compilation of data from measuring devices is not locally cost-effective because the value of the local benefits of installing and maintaining meters is not greater than the value of the local cost of implementing that measure. There are no apparent grants available to otherwise cover costs of water meters and related actions. Moreover, the unique hydrogeological characteristics of the Delta (e.g., tides, seepage, interconnected channels, etc.) indicate that meters are not the best available technology in this region. Any water diverted in the Delta which is not consumed or evaporated is recycled to the Delta Pool for reuse. As further support for the conclusion that measuring devices are not locally cost-effective reference is made to the documentation on file with the SWRCB attesting to the lack of such cost-effectiveness submitted in connection with the SWRCB's July 21, 2011 "Water Measurement Workshop" and the SWRCB's follow-up solicitation of comments (due November 18, 2011) re the same.
g.	Method(s) used as an alternative to direct measurement	Crop duty estimates/consumptive use estimates
g.	Explanation of method(s) used as an alternative to direct measurement	Used ITRC REPORT 03-001 ETc Table for Irrigation Scheduling and Design, Zone 12 for Surface Irrigation, Typical year adjusted for the reporting year using CIMIS monthly ETo for Manteca. For crops not covered by the ITRC report ETc was determined using ratios to alfalfa from Table A-5, DWR Bulletin 168, October 1978.

6. Purpose of Use	
Irrigation	237.5 Acres

7. Changes in Method of Diversion

8. Conservation of Water		
a.	Are you now employing water conservation efforts?	Yes
a.	Describe any water conservation efforts you have initiated	Good water management and farming practices, and/or lined ditches, and/or pipelines, and/or drip irrigation, and/or sprinkler irrigation, and/or low energy spray irrigation, and/or cover crops, and/or mulching, and/or laser leveling. 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. A specific amount conserved is not reported due to the lack of a present method to precisely quantify that amount.
b.	Amount of water conserved	Acre-Feet
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
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. Conjuctive 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.	

11a. Additional Remarks
The amount shown as "used" may include months during which any permanent crop was not irrigated and/or months during which any annual crop was not in place. This is done to reflect the actual water used or lost from the land (including weeds) as per the UC Davis/CalPoly data on ET. This is done because any water "consumed" in this area is a net decrease in the Delta Pool. However, the amounts shown as diverted in each month reflects only actual diversions. Hence, the information submitted may show water use in months with no surface water diversion.

Attachments		
File Name	**Description**	**Size**
No Attachments		

Contact Information of the Person Submitting the Form	
First Name	JOHN
Last Name	HERRICK
Relation to Water Right	Agent
Has read the form and agrees the information in the report is true to the best of his/her knowledge and belief	Yes