

Kings Mosquito Abatement District

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DIVISION OF WATER QUALITY

2/19/13

State Water Resources Control Board
Division of Water Quality
NPDES Unit: 15th Floor, Room 15-35A
Attn: Gil Vazquez,
1001 I Street
Sacramento, CA 95814

RE: 2012 NPDES Annual Report

Dear Mr. Vasquez,

Please find the enclosed documents relating to the Kings Mosquito Abatement District's 2012 NPDES Annual Report for the California Water Quality Order No. 2011-0002-DWQ General Permit No. CAG 990004.

Sincerely,

Michael Cavanagh
District Manager
Kings Mosquito Abatement District
559-584-3326

1. Annual Report**a. Executive Summary**

The Kings Mosquito Abatement District (District) complied with the applicable components of the general NPDES Permit for Biological and Residual Pesticide Discharges from Vector Control Applications (General Permit). The District is a member of the MVCAC NPDES Permit Coalition and the Coalition conducted all required chemical and physical monitoring. The results of the Coalition's monitoring will be included in the Coalition Annual Report that will be sent separately to the SWRCB and Regional Boards.

The District made 251 applications to the "Waters of the US" during the 2012 calendar year. The log of these applications can be found in Attachment B. The District performed Visual Monitoring of 10% or greater of individual application sites identified as "Waters of the US" until July 2012. The visual monitoring completed by the District in the first half of the year found that there is no observable change in water quality between the background, event, and post event time periods-see log sheets. The SWRCB notified the permit holders in a letter to MVCAC dated July 13, 2012 that because the visual monitoring requirements were "interfering with the need for maximal efficient application to adequately protect human health from vector-borne diseases like West Nile virus," that the visual monitoring was no longer required by individual districts. The District continued to follow the guidelines of its PAP.

b. Summary of Monitoring Data

The District began the year by complying with the visual monitoring requirements of the permit. See Footnote 1 of Tables C-1 and C-2 in Amended Water Quality Control Order No. 2011-0002-DWQ, General Permit No. CAG 990004. These requirements required a tremendous amount of time to monitor including a number of revisits to specific sites caused delay in getting to new sites. Given the short lifecycle of the mosquito, this greatly exacerbated the task of looking for and treating mosquito breeding sites early in their lifecycle when treatment is more concentrated and effective. Recognizing the need of mosquito control districts to quickly find and treat mosquito breeding sites to prevent the spread of disease, such as West Nile virus, the SWRCB issued a letter to MVCAC dated July 13, 2012 that indicated the visual monitoring requirement would no longer be required of individual districts.

Per the instructions in the letter, the Coalition will provide information on the incidence of West Nile Virus and other similar public health threats in the Coalition's annual report.

For the reasons stated above, the District will no longer be collecting visual monitoring data.

c. BMP Identification

BMPs utilized by the District are outlined in the District's PAP. These include; emphasis on reducing mosquito breeding habitat through source reduction and non-chemical means, training employees to prevent spills and applying appropriate amount of chemical in each treatment area, calibrating application equipment, and using biology based assessments for determining treatment thresholds.

d. Violation Discussion

No violations of the General Permit by the District were observed.

e. Map of Applications

See Attachment A.

f. Log of Applications Made to Waters of the US

Attachment B includes monthly reports of all application data on the covered application areas.

g. General Information on Applications

Attachment B includes information on dosage, concentration, and quantity of each pesticide used are derived from the individual pesticide labels.

h. Visual Monitoring Data

See Attachment C. Visual Monitoring Data will be submitted to the State Water Board.

i. BMP, PAP, Monitoring Program Recommendations

No recommendations are being proposed to improve the current BMPs, PAP, or monitoring plan. Any changes to the Coalition Monitoring Plan will be highlighted in the Coalition Monitoring Plan will be highlighted in the Coalition Monitoring Annual Report.

j. Pesticide Application Log Made to Waters of the US

A representation of the pesticide application log is contained in Attachment B.

2. Updated PAP Components

N/A

3. Self-Monitoring Reports

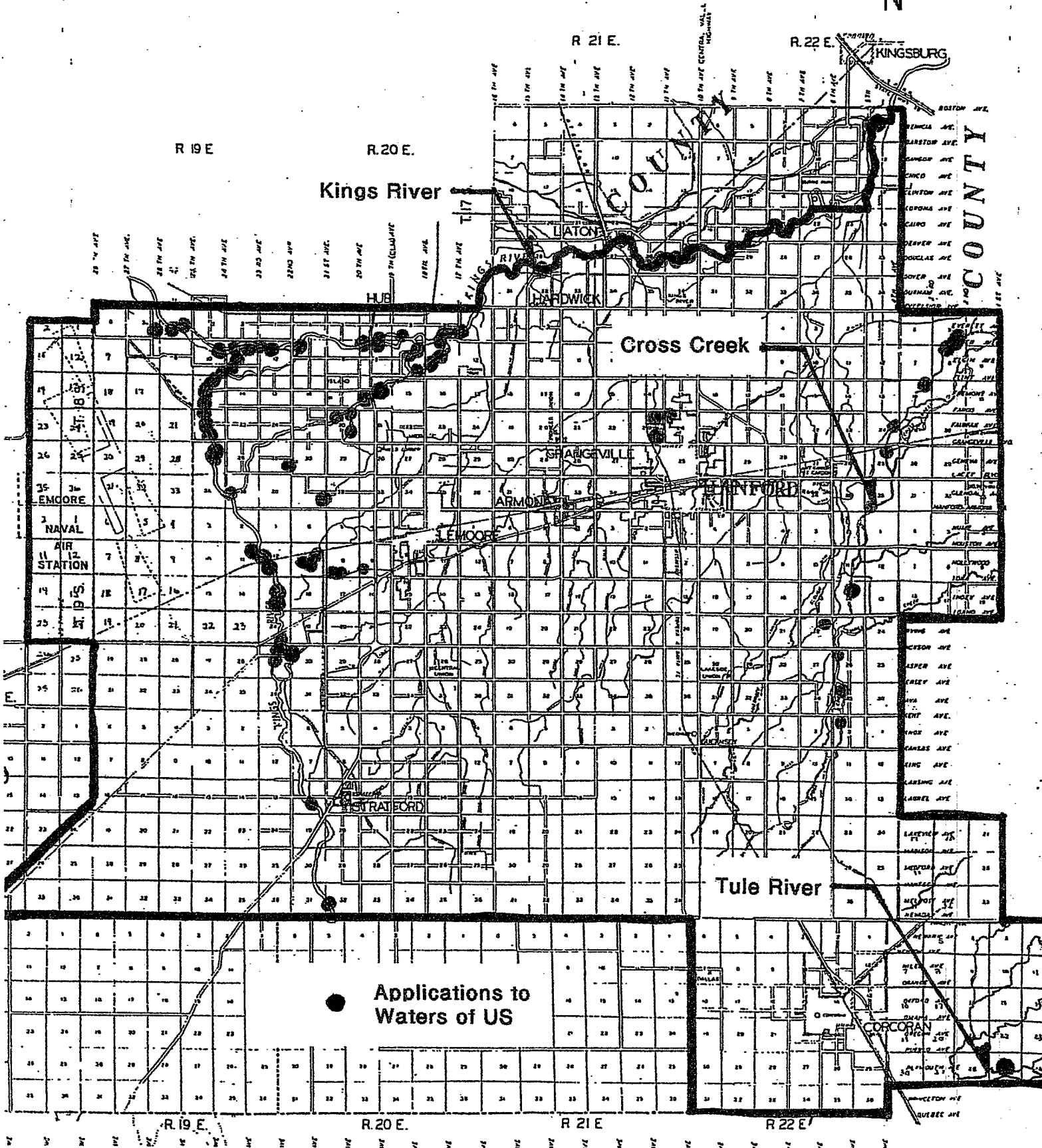
N/A

4. Monitoring Reports

The Coalition Monitoring Annual Report will summarize all physical measurement and chemical monitoring done for 2011 and 2012

Kings Mosquito Abatement District

Attachment A



Employee	Date	Times	Total Min.	Location	Acres	Product	Amount Unit	Latitude	Longitude	Adjacent Water Body
Dave Bruget - 6	4/30/2012	12:36:05 PM	15	182305-3001-WUS	0.800	Teknar HP-D	16.0 fl oz	36.38781622920	-119.50031773200	Cross Creek
David Hickey - sup	4/30/2012	3:28:49 PM	70	202018-5001-WUS-H	5.000	Teknar HP-D	160.0 fl oz	36.18573005020	-119.83938827900	Kings River
David Hickey - sup	4/30/2012	7:30:50 AM	10	202018-5001-WUS-H	5.500	Altosid A.L.L.	20.0 fl oz	36.18573005020	-119.83938827900	Kings River
Dave Bruget - 6	5/1/2012	10:17:16 AM	40	182225-5005-WUS-250	2.000	Teknar HP-D	32.0 fl oz	36.32863489150	-119.53744754300	Cross Creek
Dave Bruget - 6	5/4/2012	1:08:02 PM	20	192223-5001-WUS	1.175	Teknar HP-D	32.0 fl oz	36.26348119910	-119.56059046500	Cross Creek
David Hickey - sup	5/7/2012	3:04:19 PM	40	182123-3001-WUS	3.500	VectoBac G or GS	35.0 lb	36.34674257620	-119.66276893600	Mussel Slough
Antonio Piceno-1	5/8/2012	3:32:42 PM	60	202018-5001-WUS-H	2.000	Teknar HP-D	64.0 fl oz	36.18573005020	-119.83938827900	Kings River
DaveB_Helper6	5/9/2012	9:32:58 AM	80	202018-5001-WUS-H	4.000	Teknar HP-D	128.0 fl oz	36.18573005020	-119.83938827900	Kings River
David Hickey - sup	5/10/2012	1:36:04 PM	15	181922-5002-WUS	68.000	VectoBac G or GS	680.0 lb	36.35074679910	-119.89688508000	Kings River
Dave Bruget - 6	5/15/2012	6:48:34 AM	15	182305-3001-WUS	1.685	Teknar HP-D	32.0 fl oz	36.38781622920	-119.50031773200	Cross Creek
Dave Bruget - 6	5/15/2012	10:22:45 AM	15	192223-5001-WUS	1.175	Teknar HP-D	24.0 fl oz	36.26348119910	-119.56059046500	Cross Creek
Dairy Crew	5/16/2012	12:38:55 PM	20	182123-3001-WUS	4.000	VectoBac G or GS	40.0 lb	36.34674257620	-119.66276893600	Mussel Slough
Angelo Damiani - 2	5/16/2012	9:47:03 AM	20	181922-5002-WUS	2.000	VectoBac G or GS	20.0 lb	36.35074679910	-119.89688508000	Kings River
Angelo Damiani - 2	5/16/2012	10:40:05 AM	20	181927-5001-WUS	1.500	Fourstar SBG	15.0 lb	36.33599042130	-119.89292457800	Kings River
Antonio Piceno-1	5/22/2012	8:41:45 AM	40	202018-5001-WUS-H	2.000	Teknar HP-D	64.0 fl oz	36.18573005020	-119.83938827900	Kings River
Dave Bruget - 6	5/22/2012	7:21:39 AM	20	182305-3001-WUS	1.685	Teknar HP-D	32.0 fl oz	36.38781622920	-119.50031773200	Cross Creek
Spray Crew	5/25/2012	7:36:46 AM	55	182123-3001-WUS	4.000	VectoBac G or GS	40.0 lb	36.34674257620	-119.66276893600	Mussel Slough
Dave Bruget - 6	5/29/2012	9:18:44 AM	15	182305-3001-WUS	1.685	VectoBac G or GS	10.0 lb	36.38781622920	-119.50031773200	Cross Creek
WillB_Helper	6/1/2012	1:01:43 PM	15	182123-1001-WUS	1.000	Aquabac 400 G	4.0 lb	36.35393733850	-119.65687742600	Mussel Slough
WillB_Helper	6/1/2012	1:37:12 PM	15	182123-3001-WUS	0.500	Aquabac 400 G	2.5 lb	36.34674257620	-119.66276893600	Mussel Slough
WillB_Helper	6/4/2012	11:25:48 AM	20	182123-3001-WUS	1.000	VectoBac G or GS	5.0 lb	36.34674257620	-119.66276893600	Mussel Slough
DaveB_Helper7	6/5/2012	7:15:04 AM	15	182305-3001-WUS	1.685	VectoBac G or GS	16.8 lb	36.38781622920	-119.50031773200	Cross Creek
Angelo_Helper	6/6/2012	8:58:36 AM	30	181927-5001-WUS	3.000	VectoBac G or GS	30.0 lb	36.33599042130	-119.89292457800	Kings River
Will Bruner - 5	6/6/2012	11:48:22 AM	225	172126-5001-WUS-b	0.586	VectoBac G or GS	5.0 lb	36.41977822870	-119.66168227700	Kings River
RogerH_Helper	6/8/2012	7:30:24 AM	40	182016-5001-b-WUS	3.500	VectoBac G or GS	35.0 lb	36.36504320470	-119.80582379500	Kings River
David Hickey - sup	6/8/2012	2:24:29 PM	70	191912-5001-WUS	8.000	Teknar HP-D	256.0 fl oz	36.27729239330	-119.86233909800	Kings River
David Hickey - sup	6/8/2012	2:25:13 PM	90	191924-5001-WUS	5.000	Teknar HP-D	160.0 fl oz	36.26792377470	-119.85713887700	Kings River
David Hickey - sup	6/8/2012	2:25:35 PM	90	191913-5001-WUS	5.000	Teknar SC	160.0 fl oz	36.28070105700	-119.85800780000	Kings River
Dave Bruget - 6	6/11/2012	11:06:13 AM	35	172201-5001-WUS	2.008	VectoBac G or GS	20.0 lb	36.48782125420	-119.53250405600	Kings River
Dave Bruget - 6	6/11/2012	11:50:48 AM	20	182305-3001-WUS	1.685	VectoBac G or GS	16.8 lb	36.38781622920	-119.50031773200	Cross Creek
Dairy Crew	6/13/2012	8:59:05 AM	120	191912-5001-WUS	9.000	Teknar SC	288.0 fl oz	36.27729239330	-119.86233909800	Kings River
David Hickey - sup	6/13/2012	11:02:53 AM	40	191924-5001-WUS	4.500	Teknar SC	144.0 fl oz	36.26792377470	-119.85713887700	Kings River
David Hickey - sup	6/13/2012	11:03:21 AM	40	191913-5001-WUS	4.500	Teknar SC	144.0 fl oz	36.28070105700	-119.85800780000	Kings River
WillB_Helper	6/14/2012	1:25:46 PM	20	172126-5001-WUS-b	0.586	VectoBac G or GS	5.3 lb	36.41977822870	-119.66168227700	Kings River
David Hickey - sup	6/14/2012	9:31:36 AM	45	182123-3001-WUS	4.000	VectoBac G or GS	40.0 lb	36.34674257620	-119.66276893600	Mussel Slough
WillB_Helper	6/15/2012	7:12:04 AM	10	182123-3002-WUS	0.200	Aquabac 400 G	1.0 lb	36.34952361710	-119.65887265600	Mussel Slough
WillB_Helper	6/15/2012	7:34:53 AM	10	182123-1001-WUS	0.500	Aquabac 400 G	0.8 lb	36.35393733850	-119.65687742600	Mussel Slough
WillB_Helper	6/15/2012	12:09:55 PM	10	172125-5001-WUS-g	0.100	VectoBac G or GS	1.0 lb	36.42256705430	-119.64487524900	Kings River
David Hickey - sup	6/15/2012	1:07:36 PM	40	191924-5002-WUS	5.000	Teknar SC	160.0 fl oz	36.26773327230	-119.85552370400	Kings River
David Hickey - sup	6/15/2012	1:08:04 PM	120	191913-5002-WUS	13.000	Teknar SC	416.0 fl oz	36.28169848880	-119.85893909700	Kings River
RogerH_Helper	6/15/2012	11:35:43 AM	150	182016-5001-b-WUS	8.000	VectoBac G or GS	80.0 lb	36.36504320470	-119.80582379500	Kings River
DaveB_Helper6	6/18/2012	11:00:41 AM	15	182305-3001-WUS	1.000	Teknar SC	32.0 fl oz	36.38781622920	-119.50031773200	Cross Creek
Dave Bruget - 6	6/18/2012	11:45:41 AM	40	172201-5001-WUS	2.008	Teknar HP-D	64.0 fl oz	36.48782125420	-119.53250405600	Kings River
Angelo_Helper	6/18/2012	10:49:58 AM	5	191911-5002-WUS	0.250	Teknar SC	8.0 fl oz	36.29420924920	-119.86754727000	Kings River
RonnieT_Helper	6/19/2012	12:35:24 PM	5	182002-5001-WUS	0.500	VectoBac G or GS	5.0 lb	36.39004650920	-119.76799480800	Kings River
Dairy Crew	6/20/2012	10:10:51 AM	20	182011-4001-c-WUS	3.000	Teknar SC	96.0 fl oz	36.38477906270	-119.77021957800	Kings River
Dairy Crew	6/20/2012	10:11:41 AM	40	182011-4001-a-WUS	6.000	Teknar SC	192.0 fl oz	36.37898210910	-119.77561565000	Kings River
Dairy Crew	6/20/2012	10:12:28 AM	15	182011-4001-b-WUS	2.000	Teknar SC	64.0 fl oz	36.37594038820	-119.77984519800	Kings River

Employee	Date	Times	Total Min.	Location	Acres	Product	Amount Unit	Latitude	Longitude	Adjacent Water Body
WillB_Helper	6/21/2012	1:08:38 PM	10	172125-5001-WUS-g	0.200	VectoBac G or GS	2.0 lb	36.42256705430	-119.64487524900	Kings River
WillB_Helper	6/21/2012	1:23:45 PM	15	172126-5001-WUS-b	0.586	VectoBac G or GS	4.0 lb	36.41977822870	-119.66168227700	Kings River
RogerH_Helper	6/21/2012	8:36:34 AM	303	182016-5001-b-WUS	8.000	Teknar SC	256.0 fl oz	36.36504320470	-119.80582379500	Kings River
Dairy Crew	6/21/2012	12:30:45 PM	90	191913-5002-WUS	12.000	Teknar SC	384.0 fl oz	36.28169848880	-119.85893909700	Kings River
Dairy Crew	6/21/2012	12:42:17 PM	35	191924-5002-WUS	5.000	Teknar SC	160.0 fl oz	36.26773327230	-119.85552370400	Kings River
Dairy Crew	6/21/2012	1:36:26 PM	70	191912-5001-WUS	10.000	Teknar SC	320.0 fl oz	36.27729239330	-119.86233909800	Kings River
WillB_Helper	6/22/2012	7:21:13 AM	20	182123-3001-WUS	6.000	Aquabac 400 G	10.0 lb	36.34674257620	-119.66276893600	Mussel Slough
WillB_Helper	6/22/2012	8:14:01 AM	10	182123-3002-WUS	0.977	Aquabac 400 G	3.5 lb	36.34952361710	-119.65887265600	Mussel Slough
WillB_Helper	6/22/2012	8:53:58 AM	10	182123-1001-WUS	1.000	Aquabac 400 G	3.0 lb	36.35393733850	-119.65687742600	Mussel Slough
RonnieT_Helper	6/25/2012	9:46:59 AM	5	182002-5001-WUS	1.000	VectoBac G or GS	5.0 lb	36.39004650920	-119.76799480800	Kings River
Dave Bruget - 6	6/25/2012	12:26:46 PM	10	182305-3001-WUS	1.000	Teknar SC	16.0 fl oz	36.38781622920	-119.50031773200	Cross Creek
Dairy Crew	6/28/2012	7:46:35 AM	20	182011-4001-b-WUS	3.000	Teknar SC	96.0 fl oz	36.37594038820	-119.77984519800	Kings River
Dairy Crew	6/28/2012	7:47:16 AM	30	182011-4001-a-WUS	5.000	Teknar SC	160.0 fl oz	36.37898210910	-119.77561565000	Kings River
WillB_Helper	6/28/2012	12:42:37 PM	10	172126-5001-WUS-b	1.586	Aquabac 400 G	4.0 lb	36.41977822870	-119.66168227700	Kings River
Dairy Crew	6/29/2012	7:52:52 AM	70	191912-5001-WUS	8.500	Teknar SC	272.0 fl oz	36.27729239330	-119.86233909800	Kings River
WillB_Helper	6/29/2012	7:23:21 AM	25	182123-3001-WUS	9.001	Aquabac 400 G	12.0 lb	36.34674257620	-119.66276893600	Mussel Slough
WillB_Helper	6/29/2012	7:44:04 AM	10	182123-1003-WUS	2.100	Aquabac 400 G	3.0 lb	36.35088179980	-119.65764519200	Mussel Slough
WillB_Helper	6/29/2012	8:12:38 AM	10	182123-3002-WUS	0.977	Aquabac 400 G	4.0 lb	36.34952361710	-119.65887265600	Mussel Slough
WillB_Helper	6/29/2012	8:53:56 AM	20	182123-1001-WUS	5.992	Aquabac 400 G	10.0 lb	36.35393733850	-119.65687742600	Mussel Slough
Angelo_Helper	6/29/2012	3:07:11 PM	20	191911-1144-WUS-b	2.000	VectoBac G or GS	20.0 lb	36.29508216410	-119.86922673800	Kings River
Angelo_Helper	6/29/2012	3:08:11 PM	20	191911-1001-WUS-a	2.000	VectoBac G or GS	20.0 lb	36.29404034250	-119.87059651500	Kings River
David Hickey - sup	6/29/2012	6:02:23 AM	60	191924-5001-WUS	6.500	Teknar SC	208.0 fl oz	36.26792377470	-119.85713887700	Kings River
DaveB_Helper6	7/2/2012	11:11:01 AM	12	182305-3001-WUS	1.685	Teknar SC	48.0 fl oz	36.38781622920	-119.50031773200	Cross Creek
Angelo_Helper	7/2/2012	10:48:00 AM	10	191913-5002-WUS	0.250	Teknar SC	8.0 fl oz	36.28169848880	-119.85893909700	Kings River
Antonio_Helper	7/2/2012	8:12:59 AM	240	191924-5001-WUS-H	4.000	Teknar SC	128.0 fl oz	36.25815242740	-119.85649131400	Kings River
Antonio_Helper	7/2/2012	8:14:36 AM	240	191924-5001-WUS-H	22.000	Fourstar SBG	80.0 lb	36.25815242740	-119.85649131400	Kings River
Dave Bruget - 6	7/3/2012	11:35:30 AM	20	212327-5001-WUS-f	1.858	VectoBac G or GS	18.0 lb	36.06593454600	-119.47157460500	Creighton Ranch
WillB_Helper	7/5/2012	1:22:31 PM	10	172125-5001-WUS-g	1.000	VectoBac G or GS	2.5 lb	36.42256705430	-119.64487524900	Kings River
WillB_Helper	7/5/2012	1:22:03 PM	10	172126-5001-WUS-b	0.586	VectoBac G or GS	2.0 lb	36.41977822870	-119.66168227700	Kings River
Dairy Crew	7/6/2012	9:09:27 AM	60	191912-5001-WUS	9.000	Teknar SC	288.0 fl oz	36.27729239330	-119.86233909800	Kings River
Dairy Crew	7/6/2012	9:59:27 AM	40	191924-5001-WUS	7.000	Teknar SC	224.0 fl oz	36.26792377470	-119.85713887700	Kings River
WillB_Helper	7/6/2012	7:38:24 AM	20	182123-3001-WUS	5.001	Aquabac 400 G	10.0 lb	36.34674257620	-119.66276893600	Mussel Slough
WillB_Helper	7/6/2012	8:09:00 AM	10	182123-3002-WUS	0.977	Aquabac 400 G	3.0 lb	36.34952361710	-119.65887265600	Mussel Slough
WillB_Helper	7/6/2012	8:39:17 AM	15	182123-1001-WUS	2.992	Aquabac 400 G	4.0 lb	36.35393733850	-119.65687742600	Mussel Slough
David Hickey - sup	7/6/2012	7:43:11 AM	20	181911-5002-WUS	26.392	VectoBac G or GS	263.0 lb	36.38427420030	-119.87211742100	Kings River
David Hickey - sup	7/6/2012	7:44:41 AM	10	181922-5002-WUS	17.601	VectoBac G or GS	100.0 lb	36.35074679910	-119.89688508000	Kings River
David Hickey - sup	7/6/2012	7:46:37 AM	10	181927-5001-WUS	14.397	VectoBac G or GS	98.0 lb	36.33599042130	-119.89292457800	Kings River
DaveB_Helper6	7/9/2012	1:01:30 PM	15	182305-3001-WUS	2.000	Teknar SC	64.0 fl oz	36.38781622920	-119.50031773200	Cross Creek
RonnieT_Helper	7/9/2012	7:56:20 AM	10	182002-5001-WUS	0.500	VectoBac G or GS	5.0 lb	36.39004650920	-119.76799480800	Kings River
Dairy Crew	7/11/2012	11:53:47 AM	15	191911-1144-WUS-b	2.000	Teknar SC	64.0 fl oz	36.29508216410	-119.86922673800	Kings River
David Hickey - sup	7/11/2012	1:07:33 PM	40	181911-5002-WUS	2.000	Teknar SC	64.0 fl oz	36.38427420030	-119.87211742100	Kings River
RogerH_Helper	7/12/2012	8:33:11 AM	120	182016-5001-b-WUS	7.500	VectoBac G or GS	75.0 lb	36.36504320470	-119.80582379500	Kings River
WillB_Helper	7/12/2012	1:34:35 PM	10	172125-5001-WUS-g	1.334	Aquabac 400 G	3.0 lb	36.42256705430	-119.64487524900	Kings River
WillB_Helper	7/12/2012	2:02:32 PM	10	172126-5001-WUS-b	0.586	Aquabac 400 G	2.5 lb	36.41977822870	-119.66168227700	Kings River
David Hickey - sup	7/13/2012	6:19:58 AM	20	182123-3001-WUS	8.000	Altosid Sand Self-Mix	50.0 lb	36.34674257620	-119.66276893600	Mussel Slough
David Hickey - sup	7/13/2012	6:20:24 AM	10	182123-3001-WUS	2.000	Aquabac 400 G	6.0 lb	36.34674257620	-119.66276893600	Mussel Slough
David Hickey - sup	7/13/2012	11:47:13 AM	10	181911-5002-WUS	20.000	VectoBac G or GS	200.0 lb	36.38427420030	-119.87211742100	Kings River
David Hickey - sup	7/13/2012	11:48:00 AM	10	181922-5002-WUS	10.000	VectoBac G or GS	100.0 lb	36.35074679910	-119.89688508000	Kings River

Employee	Date	Times	Total Min.	Location	Acres	Product	Amount Unit	Latitude	Longitude	Adjacent Water Body
David Hickey - sup	7/13/2012	11:48:27 AM	15	181927-5001-WUS	20.000	VectoBac G or GS	200.0 lb	36.33599042130	-119.89292457800	Kings River
RonnieT_Helper	7/13/2012	8:59:03 AM	10	182002-5001-WUS	1.000	VectoBac G or GS	10.0 lb	36.39004650920	-119.76799480800	Kings River
WillB_Helper	7/13/2012	7:34:57 AM	10	182123-1003-WUS	1.100	Aquabac 400 G	3.0 lb	36.35088179980	-119.65764519200	Mussel Slough
WillB_Helper	7/13/2012	8:07:46 AM	10	182123-3002-WUS	1.977	Aquabac 400 G	7.0 lb	36.34952361710	-119.65887265600	Mussel Slough
WillB_Helper	7/13/2012	8:49:46 AM	15	182123-1001-WUS	5.992	Aquabac 400 G	8.0 lb	36.35393733850	-119.65687742600	Mussel Slough
DaveB_Helper6	7/16/2012	10:09:00 AM	15	182305-3001-WUS	2.000	Teknar SC	64.0 fl oz	36.38781622920	-119.50031773200	Cross Creek
Dairy Crew	7/16/2012	9:13:48 AM	20	191911-1144-WUS-b	3.000	Teknar HP-D	96.0 fl oz	36.29508216410	-119.86922673800	Kings River
Dairy Crew	7/16/2012	9:29:39 AM	70	191912-5001-WUS	9.000	Teknar HP-D	288.0 fl oz	36.27729239330	-119.86233909800	Kings River
Dairy Crew	7/16/2012	10:25:39 AM	60	191924-5001-WUS	5.000	Teknar HP-D	160.0 fl oz	36.26792377470	-119.85713887700	Kings River
RonnieT_Helper	7/16/2012	7:50:28 AM	10	182002-5001-WUS	1.000	VectoBac G or GS	10.0 lb	36.39004650920	-119.76799480800	Kings River
Angelo_Helper	7/16/2012	11:07:07 AM	10	191924-5002-WUS	0.250	Teknar SC	8.0 fl oz	36.26773327230	-119.85552370400	Kings River
DaveB_Helper7	7/17/2012	9:14:49 AM	10	202202-2001-WUS	0.726	Teknar SC	23.0 fl oz	36.22580590620	-119.55994676300	Cross Creek
WillB_Helper	7/19/2012	12:09:30 PM	10	172125-5001-WUS-g	0.334	VectoBac G or GS	3.0 lb	36.42256705430	-119.64487524900	Kings River
WillB_Helper	7/19/2012	12:52:25 PM	10	172126-5001-WUS-b	0.586	VectoBac G or GS	4.0 lb	36.41977822870	-119.66168227700	Kings River
David Hickey - sup	7/20/2012	12:39:02 PM	10	181911-5002-WUS	20.000	VectoBac G or GS	200.0 lb	36.38427420030	-119.87211742100	Kings River
David Hickey - sup	7/20/2012	12:39:39 PM	10	181922-5002-WUS	13.000	VectoBac G or GS	130.0 lb	36.35074679910	-119.89688508000	Kings River
David Hickey - sup	7/20/2012	12:40:08 PM	10	181927-5001-WUS	20.000	VectoBac G or GS	200.0 lb	36.33599042130	-119.89292457800	Kings River
RogerH_Helper	7/20/2012	8:13:12 AM	285	182016-5001-b-WUS	6.000	Teknar SC	192.0 fl oz	36.36504320470	-119.80582379500	Kings River
RonnieT_Helper	7/20/2012	10:10:27 AM	10	182002-5001-WUS	0.500	VectoBac G or GS	5.0 lb	36.39004650920	-119.76799480800	Kings River
WillB_Helper	7/20/2012	7:04:57 AM	20	182123-3001-WUS	5.001	Aquabac 400 G	15.0 lb	36.34674257620	-119.66276893600	Mussel Slough
WillB_Helper	7/20/2012	7:41:06 AM	8	182123-1003-WUS	1.100	Aquabac 400 G	2.0 lb	36.35088179980	-119.65764519200	Mussel Slough
WillB_Helper	7/20/2012	8:08:21 AM	10	182123-3002-WUS	0.977	Aquabac 400 G	4.0 lb	36.34952361710	-119.65887265600	Mussel Slough
WillB_Helper	7/20/2012	8:39:48 AM	15	182123-1001-WUS	3.992	Aquabac 400 G	5.0 lb	36.35393733850	-119.65687742600	Mussel Slough
DaveB_Helper7	7/24/2012	8:15:16 AM	10	202202-2001-WUS	0.726	Teknar SC	23.2 fl oz	36.22580590620	-119.55994676300	Cross Creek
DaveB_Helper7	7/24/2012	8:38:50 AM	10	192235-4001-WUS	4.882	Teknar SC	79.0 fl oz	36.22790620540	-119.56169913000	Cross Creek
Antonio Piceno-1	7/24/2012	8:43:36 AM	40	191924-5001-WUS-H	10.000	Aquabac 400 G	50.0 lb	36.25815242740	-119.85649131400	Kings River
DaveB_Helper6	7/24/2012	7:57:27 AM	15	182305-3001-WUS	1.500	Teknar SC	48.0 fl oz	36.38781622920	-119.50031773200	Cross Creek
DaveB_Helper7	7/25/2012	10:39:54 AM	5	192235-4001-WUS	4.882	Teknar SC	79.0 fl oz	36.22790620540	-119.56169913000	Cross Creek
Dairy Crew	7/26/2012	7:36:00 AM	15	182010-3001-b-WUS	2.000	Teknar SC	64.0 fl oz	36.37390404210	-119.78588385900	Kings River
Dairy Crew	7/26/2012	7:45:44 AM	15	182011-4001-b-WUS	1.500	Teknar SC	48.0 fl oz	36.37594038820	-119.77984519800	Kings River
Dairy Crew	7/26/2012	8:31:36 AM	35	182011-4001-a-WUS	6.000	Teknar SC	192.0 fl oz	36.37898210910	-119.77561565000	Kings River
Dairy Crew	7/26/2012	8:48:24 AM	20	182011-4001-c-WUS	3.500	Teknar SC	112.0 fl oz	36.38477906270	-119.77021957800	Kings River
WillB_Helper	7/26/2012	12:40:49 PM	10	172125-5001-WUS-g	2.334	Aquabac 400 G	4.0 lb	36.42256705430	-119.64487524900	Kings River
WillB_Helper	7/26/2012	1:02:44 PM	15	172126-5001-WUS-b	0.586	VectoBac G or GS	5.0 lb	36.41977822870	-119.66168227700	Kings River
Ronnie Tamayo - 8	6/12/2012	8:37:15 AM	20	182001-5001-WUS-f	1.000	Teknar HP-D	32.0 fl oz	36.39381500000	-119.75969600000	Kings River
RonnieT_Helper	6/12/2012	12:14:37 PM	10	182002-5001-WUS-c	3.000	VectoBac G or GS	15.0 lb	36.38928200000	-119.76918100000	Kings River
RonnieT_Helper	6/19/2012	11:03:58 AM	10	182001-5001-WUS-f	0.250	Teknar HP-D	4.0 fl oz	36.39381500000	-119.75969600000	Kings River
RonnieT_Helper	6/19/2012	1:15:20 PM	2	182011-5001-WUS-b	0.100	VectoBac G or GS	1.0 lb	36.38571800000	-119.78470400000	Kings River
RonnieT_Helper	6/21/2012	9:11:59 AM	10	182002-5001-WUS-b	2.000	VectoBac G or GS	15.0 lb	36.38915700000	-119.76902200000	Kings River
RonnieT_Helper	6/21/2012	9:13:02 AM	10	182002-5001-WUS-c	1.000	VectoBac G or GS	10.0 lb	36.38928200000	-119.76918100000	Kings River
RonnieT_Helper	6/29/2012	10:20:41 AM	10	182002-5001-WUS-b	1.000	VectoBac G or GS	10.0 lb	36.38915700000	-119.76902200000	Kings River
RonnieT_Helper	6/29/2012	10:21:19 AM	7	182002-5001-WUS-c	0.500	VectoBac G or GS	5.0 lb	36.38928200000	-119.76918100000	Kings River
RonnieT_Helper	6/29/2012	12:38:41 PM	5	182001-5001-WUS-f	0.250	VectoBac G or GS	2.0 lb	36.39381500000	-119.75969600000	Kings River
RonnieT_Helper	7/2/2012	7:58:58 AM	4	182011-5001-WUS-b	0.250	VectoBac G or GS	2.0 lb	36.38571800000	-119.38571800000	Kings River
Dave Bruget - 6	7/3/2012	7:11:39 AM	10	172201-2003-WUS	0.250	Teknar SC	8.0 fl oz	36.48430400000	-119.54070100000	Kings River
RonnieT_Helper	7/9/2012	8:24:57 AM	20	182002-5001-WUS-b	2.500	VectoBac G or GS	25.0 lb	36.38915700000	-119.76902200000	Kings River
RonnieT_Helper	7/9/2012	9:05:24 AM	15	182011-5001-WUS-a	3.000	VectoBac G or GS	15.0 lb	36.38563900000	-119.78417700000	Kings River
RonnieT_Helper	7/9/2012	11:49:32 AM	10	182001-5001-WUS-f	2.000	VectoBac G or GS	20.0 lb	36.39381500000	-119.75969600000	Kings River

Employee	Date	Times	Total Min.	Location	Acres	Product	Amount Unit	Latitude	Longitude	Adjacent Water Body
RonnieT_Helper	7/13/2012	11:38:06 AM	10	182001-5001-WUS-f	1.000	VectoBac G or GS	10.0 lb	36.39381500000	-119.75969600000	Kings River
RonnieT_Helper	7/16/2012	8:14:38 AM	15	182002-5001-WUS-b	1.000	VectoBac G or GS	10.0 lb	36.38915700000	-119.76902200000	Kings River
RonnieT_Helper	7/16/2012	10:30:59 AM	20	182001-5001-WUS-f	3.500	VectoBac G or GS	35.0 lb	36.39381500000	-119.75969600000	Kings River
Dave Bruget - 6	7/16/2012	9:03:54 AM	10	172201-2003-WUS	0.100	Teknar SC	3.2 fl oz	36.48430400000	-119.54070100000	Kings River
RonnieT_Helper	7/20/2012	10:21:57 AM	15	182002-5001-WUS-b	1.000	VectoBac G or GS	10.0 lb	36.38915700000	-119.76902200000	Kings River
RonnieT_Helper	7/20/2012	12:08:44 PM	17	182001-5001-WUS-f	2.500	VectoBac G or GS	25.0 lb	36.39381500000	-119.75969600000	Kings River
Dairy Crew	7/26/2012	7:43:46 AM	15	182010-3001-WUS-a	1.500	Teknar SC	48.0 fl oz	36.37538500000	-119.78246100000	Kings River
RonnieT_Helper	7/27/2012	8:26:12 AM	20	182002-5001-WUS	1.000	VectoBac G or GS	10.0 lb	36.39004650920	-119.76799480800	Kings River
WillB_Helper	7/27/2012	7:09:58 AM	10	182123-3001-WUS	1.000	Aquabac 400 G	2.0 lb	36.34674257620	-119.66276893600	Mussel Slough
WillB_Helper	7/27/2012	7:39:11 AM	10	182123-1003-WUS	1.100	Aquabac 400 G	2.0 lb	36.35088179980	-119.65764519200	Mussel Slough
WillB_Helper	7/27/2012	8:09:00 AM	10	182123-3002-WUS	0.977	Aquabac 400 G	4.0 lb	36.34952361710	-119.65887265600	Mussel Slough
WillB_Helper	7/27/2012	8:41:38 AM	15	182123-1001-WUS	5.992	Aquabac 400 G	7.5 lb	36.35393733850	-119.65687742600	Mussel Slough
RonnieT_Helper	7/30/2012	7:39:37 AM	10	182002-5001-WUS	1.000	VectoBac G or GS	10.0 lb	36.39004650920	-119.76799480800	Kings River
Angelo_Helper	7/30/2012	11:43:08 AM	20	191911-5002-WUS	4.000	Fourstar SBG	40.0 lb	36.29420924920	-119.86754727000	Kings River
Dave Bruget - 6	7/31/2012	12:39:47 PM	15	212327-5001-WUS-f	1.858	Aquabac 400 G	9.2 lb	36.06593454600	-119.47157460500	Creighton Ranch
DaveB_Helper7	7/31/2012	8:08:00 AM	5	192235-4001-WUS	4.882	Teknar SC	79.0 fl oz	36.22790620540	-119.56169913000	Cross Creek
Dairy Crew	7/31/2012	12:58:36 PM	30	191924-5001-WUS-H	3.500	Teknar SC	112.0 fl oz	36.25815242740	-119.85649131400	Kings River
DaveB_Helper6	7/31/2012	1:25:23 PM	8	182305-3001-WUS	0.500	Teknar SC	16.0 fl oz	36.38781622920	-119.50031773200	Cross Creek
Dairy Crew	8/2/2012	9:33:40 AM	20	191911-1144-WUS-b	3.000	Teknar SC	96.0 fl oz	36.29508216410	-119.86922673800	Kings River
David Hickey - sup	8/2/2012	1:32:33 PM	25	182123-3001-WUS	12.001	Aquabac 400 G	50.0 lb	36.34674257620	-119.66276893600	Mussel Slough
David Hickey - sup	8/2/2012	1:32:58 PM	25	182123-3001-WUS	12.001	Altosid Sand Self-Mix	100.0 lb	36.34674257620	-119.66276893600	Mussel Slough
RogerH_Helper	8/2/2012	8:44:01 AM	190	182016-5001-b-WUS	10.500	VectoBac G or GS	105.0 lb	36.36504320470	-119.80582379500	Kings River
Angelo Damiani - 2	8/2/2012	8:53:16 AM	15	181911-5001-WUS	1.000	VectoBac G or GS	10.0 lb	36.38398220000	-119.87488169100	Kings River
Angelo Damiani - 2	8/2/2012	8:54:02 AM	10	181911-5003-WUS	0.500	VectoBac G or GS	5.0 lb	36.38414287280	-119.87442638500	Kings River
WillB_Helper	8/3/2012	7:18:39 AM	10	182123-1003-WUS	0.200	Aquabac 400 G	0.5 lb	36.35088179980	-119.65764519200	Mussel Slough
WillB_Helper	8/3/2012	7:41:00 AM	10	182123-3002-WUS	0.977	Aquabac 400 G	3.0 lb	36.34952361710	-119.65887265600	Mussel Slough
WillB_Helper	8/3/2012	8:15:21 AM	10	182123-1001-WUS	2.992	Aquabac 400 G	6.0 lb	36.35393733850	-119.65687742600	Mussel Slough
DaveB_Helper6	8/7/2012	11:30:25 AM	8	182305-3001-WUS	1.000	Teknar SC	32.0 fl oz	36.38781622920	-119.50031773200	Cross Creek
DaveB_Helper7	8/7/2012	8:35:04 AM	5	192235-4001-WUS	4.882	Teknar SC	79.0 fl oz	36.22790620540	-119.56169913000	Cross Creek
Dairy Crew	8/7/2012	8:23:23 AM	25	191924-5002-WUS	4.500	Teknar SC	144.0 fl oz	36.26773327230	-119.85552370400	Kings River
Dairy Crew	8/7/2012	9:17:57 AM	45	191913-5002-WUS	7.000	Teknar SC	224.0 fl oz	36.28169848880	-119.85893909700	Kings River
WillB_Helper	8/9/2012	12:41:13 PM	10	172125-5001-WUS-g	1.334	Aquabac 400 G	2.0 lb	36.42256705430	-119.64487524900	Kings River
WillB_Helper	8/9/2012	1:00:14 PM	10	172126-5001-WUS-b	0.586	Aquabac 400 G	2.0 lb	36.41977822870	-119.66168227700	Kings River
David Hickey - sup	8/10/2012	9:42:57 AM	15	181911-5002-WUS	20.000	VectoMax CG	350.0 lb	36.38427420030	-119.87211742100	Kings River
David Hickey - sup	8/10/2012	9:43:54 AM	15	181922-5002-WUS	15.000	VectoMax CG	300.0 lb	36.35074679910	-119.89688508000	Kings River
David Hickey - sup	8/10/2012	9:44:37 AM	15	181927-5001-WUS	14.397	VectoMax CG	250.0 lb	36.33599042130	-119.89292457800	Kings River
WillB_Helper	8/10/2012	7:57:17 AM	10	182123-3002-WUS	1.977	Aquabac 400 G	6.0 lb	36.34952361710	-119.65887265600	Mussel Slough
WillB_Helper	8/10/2012	8:32:14 AM	10	182123-1001-WUS	1.992	Aquabac 400 G	5.0 lb	36.35393733850	-119.65687742600	Mussel Slough
David Hickey - sup	8/13/2012	1:21:16 PM	30	182123-3001-WUS	10.000	Aquabac 400 G	50.0 lb	36.34674257620	-119.66276893600	Mussel Slough
David Hickey - sup	8/13/2012	1:21:47 PM	30	182123-3001-WUS	7.000	Altosid Sand Self-Mix	60.0 lb	36.34674257620	-119.66276893600	Mussel Slough
DaveB_Helper6	8/13/2012	10:21:24 AM	10	182305-3001-WUS	1.000	Teknar SC	32.0 fl oz	36.38781622920	-119.50031773200	Cross Creek
Dave Bruget - 6	8/14/2012	8:21:58 AM	15	202202-2001-WUS	0.726	Teknar SC	23.0 fl oz	36.22580590620	-119.55994676300	Cross Creek
Dairy Crew	8/16/2012	7:45:12 AM	30	182010-3001-b-WUS	4.000	Teknar SC	128.0 fl oz	36.37390404210	-119.78588385900	Kings River
Dairy Crew	8/16/2012	8:06:17 AM	20	182011-4001-b-WUS	2.000	Teknar SC	64.0 fl oz	36.37594038820	-119.77984519800	Kings River
Dairy Crew	8/16/2012	8:56:57 AM	40	182011-4001-a-WUS	4.000	Teknar SC	128.0 fl oz	36.37898210910	-119.77561565000	Kings River
Dairy Crew	8/16/2012	9:08:55 AM	30	182011-4001-c-WUS	4.000	Teknar SC	128.0 fl oz	36.38477906270	-119.77021957800	Kings River
WillB_Helper	8/16/2012	12:40:02 PM	10	172126-5001-WUS-b	0.586	Aquabac 400 G	1.0 lb	36.41977822870	-119.66168227700	Kings River
David Hickey - sup	8/16/2012	12:59:29 PM	20	182123-3001-WUS	2.000	Aquabac 400 G	10.0 lb	36.34674257620	-119.66276893600	Mussel Slough

Employee	Date	Times	Total Min.	Location	Acres	Product	Amount	Unit	Latitude	Longitude	Adjacent Water Body
David Hickey - sup	8/16/2012	12:59:59 PM	20	182123-3001-WUS	6.000	Altosid Sand Self-Mix	50.0	lb	36.34674257620	-119.66276893600	Mussel Slough
WillB_Helper	8/17/2012	7:02:32 AM	10	182123-3001-WUS	0.100	Aquabac 400 G	0.5	lb	36.34674257620	-119.66276893600	Mussel Slough
WillB_Helper	8/17/2012	8:01:11 AM	10	182123-3002-WUS	1.977	Aquabac 400 G	6.0	lb	36.34952361710	-119.65887265600	Mussel Slough
David Hickey - sup	8/16/2012	12:45:02 PM	10	192008-4002-WUS	20.000	Anvil 10+10	12.0	fl oz	36.28910205890	-119.83251785000	Kings River
David Hickey - sup	8/17/2012	12:45:36 PM	10	192008-4002-WUS	20.000	Anvil 10+10	12.0	fl oz	36.28910205890	-119.83251785000	Kings River
David Hickey - sup	8/19/2012	12:46:00 PM	10	192008-4002-WUS	20.000	Anvil 10+10	12.0	fl oz	36.28910205890	-119.83251785000	Kings River
David Hickey - sup	8/16/2012	12:46:59 PM	15	181927-5001-WUS	30.000	Anvil 10+10	18.0	fl oz	36.33599042130	-119.89292457800	Kings River
David Hickey - sup	8/17/2012	12:47:38 PM	15	181927-5001-WUS	30.000	Anvil 10+10	18.0	fl oz	36.33599042130	-119.89292457800	Kings River
David Hickey - sup	8/19/2012	12:48:07 PM	15	181927-5001-WUS	30.000	Anvil 10+10	18.0	fl oz	36.33599042130	-119.89292457800	Kings River
David Hickey - sup	8/16/2012	12:49:24 PM	15	181922-5002-WUS	30.000	Anvil 10+10	18.0	fl oz	36.35074679910	-119.89688508000	Kings River
David Hickey - sup	8/17/2012	12:49:54 PM	15	181922-5002-WUS	30.000	Anvil 10+10	18.0	fl oz	36.35074679910	-119.89688508000	Kings River
David Hickey - sup	8/19/2012	12:50:39 PM	15	181922-5002-WUS	30.000	Anvil 10+10	18.0	fl oz	36.35074679910	-119.89688508000	Kings River
David Hickey - sup	8/16/2012	12:51:19 PM	15	181911-5002-WUS	60.000	Anvil 10+10	37.0	fl oz	36.38427420030	-119.87211742100	Kings River
David Hickey - sup	8/17/2012	12:51:44 PM	15	181911-5002-WUS	60.000	Anvil 10+10	37.0	fl oz	36.38427420030	-119.87211742100	Kings River
David Hickey - sup	8/19/2012	12:52:10 PM	15	181911-5002-WUS	60.000	Anvil 10+10	37.0	fl oz	36.38427420030	-119.87211742100	Kings River
DaveB_Helper6	8/20/2012	12:50:37 PM	8	182305-3001-WUS	1.000	Teknar SC	32.0	fl oz	36.38781622920	-119.50031773200	Cross Creek
WillB_Helper	8/24/2012	8:27:40 AM	10	182123-3002-WUS	0.977	VectoBac G or GS	4.0	lb	36.34952361710	-119.65887265600	Mussel Slough
WillB_Helper	8/24/2012	8:59:26 AM	10	182123-1001-WUS	2.992	Aquabac 400 G	4.0	lb	36.35393733850	-119.65687742600	Mussel Slough
DaveB_Helper6	8/27/2012	12:14:57 PM	20	182305-3001-WUS	2.000	Teknar SC	64.0	fl oz	36.38781622920	-119.50031773200	Cross Creek
Dave Bruget - 6	8/28/2012	12:03:01 PM	10	202202-2001-WUS	0.726	Teknar SC	23.0	fl oz	36.22580590620	-119.55994676300	Cross Creek
Antonio Piceno-1	8/30/2012	9:31:16 AM	5	191936-5001-WUS-H	0.500	Teknar SC	16.0	fl oz	36.24022683100	-119.85729225300	Kings River
David Hickey - sup	8/31/2012	12:50:16 PM	25	182123-3001-WUS	12.001	Aquabac 400 G	35.0	lb	36.34674257620	-119.66276893600	Mussel Slough
WillB_Helper	8/31/2012	7:54:39 AM	10	182123-3002-WUS	0.977	Aquabac 400 G	4.8	lb	36.34952361710	-119.65887265600	Mussel Slough
WillB_Helper	8/31/2012	8:43:28 AM	10	182123-1001-WUS	2.000	Aquabac 400 G	6.0	lb	36.35393733850	-119.65687742600	Mussel Slough
Dairy Crew	8/31/2012	7:31:45 AM	40	191924-5001-WUS-H	4.000	Teknar HP-D	128.0	fl oz	36.25815242740	-119.85649131400	Kings River
Dave Bruget - 6	9/4/2012	12:10:54 PM	10	202202-2001-WUS	0.726	Teknar SC	23.0	fl oz	36.22580590620	-119.55994676300	Cross Creek
Dairy Crew	9/6/2012	9:13:06 AM	25	182011-4001-b-WUS	2.000	Teknar SC	64.0	fl oz	36.37594038820	-119.77984519800	Kings River
Dairy Crew	9/6/2012	9:14:03 AM	40	182011-4001-a-WUS	5.000	Teknar SC	160.0	fl oz	36.37898210910	-119.77561565000	Kings River
Dairy Crew	9/6/2012	9:33:12 AM	20	182011-4001-c-WUS	2.500	Teknar SC	80.0	fl oz	36.38477906270	-119.77021957800	Kings River
WillB_Helper	9/7/2012	7:14:30 AM	15	182123-3001-WUS	3.001	Aquabac 400 G	9.0	lb	36.34674257620	-119.66276893600	Mussel Slough
WillB_Helper	9/7/2012	8:10:17 AM	10	182123-3002-WUS	0.977	Aquabac 400 G	2.5	lb	36.34952361710	-119.65887265600	Mussel Slough
WillB_Helper	9/7/2012	8:47:49 AM	10	182123-1001-WUS	2.992	Aquabac 400 G	4.0	lb	36.35393733850	-119.65687742600	Mussel Slough
Dave Bruget - 6	9/11/2012	11:30:32 AM	10	202202-2001-WUS	0.726	Teknar SC	23.0	fl oz	36.22580590620	-119.55994676300	Cross Creek
David Hickey - sup	9/14/2012	11:34:01 AM	20	182123-3001-WUS	4.000	VectoBac G or GS	40.0	lb	36.34674257620	-119.66276893600	Mussel Slough
WillB_Helper	9/14/2012	7:57:50 AM	10	182123-3002-WUS	1.977	Aquabac 400 G	6.0	lb	36.34952361710	-119.65887265600	Mussel Slough
WillB_Helper	9/14/2012	8:31:19 AM	8	182123-1001-WUS	0.992	Aquabac 400 G	1.5	lb	36.35393733850	-119.65687742600	Mussel Slough
DaveB_Helper6	9/17/2012	12:55:30 PM	10	182305-3001-WUS	1.000	Teknar SC	32.0	fl oz	36.38781622920	-119.50031773200	Cross Creek
David Hickey - sup	9/20/2012	9:14:17 AM	20	182123-3001-WUS	12.001	Aquabac 400 G	50.0	lb	36.34674257620	-119.66276893600	Mussel Slough
WillB_Helper	9/21/2012	10:01:10 AM	10	182123-3002-WUS	0.977	VectoBac G or GS	4.0	lb	36.34952361710	-119.65887265600	Mussel Slough
DaveB_Helper6	9/24/2012	1:11:18 PM	8	182305-3001-WUS	0.500	Teknar SC	16.0	fl oz	36.38781622920	-119.50031773200	Cross Creek
Spray Crew	9/27/2012	10:02:43 AM	20	182123-3001-WUS	4.000	Vectobac GR	40.0	lb	36.34674257620	-119.66276893600	Mussel Slough
WillB_Helper	9/27/2012	11:28:12 AM	10	182123-3002-WUS	0.977	VectoBac G or GS	6.0	lb	36.34952361710	-119.65887265600	Mussel Slough
DaveB_Helper6	10/1/2012	10:52:00 AM	10	182305-3001-WUS	1.000	Teknar SC	32.0	fl oz	36.38781622920	-119.50031773200	Cross Creek
WillB_Helper	10/5/2012	10:28:41 AM	10	182123-1001-WUS	1.992	VectoBac G or GS	6.0	lb	36.35393733850	-119.65687742600	Mussel Slough
DaveB_Helper6	10/9/2012	1:12:34 PM	15	182305-3001-WUS	1.685	Teknar SC	53.0	fl oz	36.38781622920	-119.50031773200	Cross Creek
DaveB_Helper6	10/16/2012	10:02:13 AM	8	182305-3001-WUS	1.000	Teknar SC	32.0	fl oz	36.38781622920	-119.50031773200	Cross Creek
Spray Crew	10/18/2012	10:00:49 AM	30	182123-3001-WUS	12.001	VectoBac G or GS	40.0	lb	36.34674257620	-119.66276893600	Mussel Slough
DaveB_Helper6	10/18/2012	9:34:22 AM	6	182305-3001-WUS	0.500	Teknar SC	16.0	fl oz	36.38781622920	-119.50031773200	Cross Creek

Employee	Date	Times	Total Min.	Location	Acres	Product	Amount Unit	Latitude	Longitude	Adjacent Water Body
WillB_Helper	10/19/2012	9:44:33 AM	10	182123-1001-WUS	1.992	Vectobac GR	6.0 lb	36.35393733850	-119.65687742600	Mussel Slough
DaveB_Helper6	10/23/2012	9:17:56 AM	5	182305-3001-WUS	0.500	Teknar SC	16.0 fl oz	36.38781622920	-119.50031773200	Cross Creek
DaveB_Helper6	10/29/2012	12:57:58 PM	10	182305-3001-WUS	1.000	Teknar SC	32.0 fl oz	36.38781622920	-119.50031773200	Cross Creek -
RonnieT_Helper	7/27/2012	10:52:28 AM	20	182001-5001-WUS-f	1.500	VectoBac G or GS	15.0 lb	36.39381500000	-119.75969600000	Kings River
RonnieT_Helper	7/30/2012	7:54:50 AM	5	182002-5001-WUS-b	1.000	VectoBac G or GS	10.0 lb	36.38915700000	-119.76902200000	Kings River
RonnieT_Helper	7/30/2012	10:10:48 AM	20	182001-5001-WUS-f	2.000	VectoBac G or GS	20.0 lb	36.39381500000	-119.75969600000	Kings River
RonnieT_Helper	8/3/2012	9:00:07 AM	20	182002-5001-WUS-c	2.000	VectoBac G or GS	20.0 lb	36.38928200000	-119.76918100000	Kings River
RonnieT_Helper	8/6/2012	8:13:17 AM	10	182002-5001-WUS-c	8.000	Pyronyl 525 / Adulticid	4.0 fl oz	36.38928200000	-119.76918100000	Kings River
Dairy Crew	8/16/2012	8:05:22 AM	15	182010-3001-WUS-a	1.000	Teknar SC	32.0 fl oz	36.37538500000	-119.78246100000	Kings River
RonnieT_Helper	8/24/2012	8:09:28 AM	10	182002-5001-WUS-b	0.500	VectoBac G or GS	5.0 lb	36.38915700000	-119.76902200000	Kings River
Dairy Crew	9/6/2012	9:12:25 AM	15	182010-3001-WUS-a	1.000	Teknar SC	32.0 fl oz	36.37538500000	-119.78246100000	Kings River

Attachment C

Agency:	Kings MAD
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Application Info					
Date of Application	Applicator	Location	Name of Water Body	Type of Water Body	Description
05/10/2012	Lakeland Dusters	36.335394 / -119.892390	Kings River	Channel	
05/10/2012	Lakeland Dusters	36.335394 / -119.892390	Kings River	Channel	
05/10/2012	Lakeland Dusters	36.335394 / -119.892390	Kings River	Channel	
05/29/2012	Bruget	36.386985 / -119.501655	Cross Creek	Channel	
05/29/2012	Bruget	36.386985 / -119.501655	Cross Creek	Channel	
05/29/2012	Bruget	36.386985 / -119.501655	Cross Creek	Channel	
06/08/2012	Felix	36.290287 / -119.868088	Kings River	Channel	
06/08/2012	Felix	36.290287 / -119.868088	Kings River	Channel	
06/08/2012	Felix	36.290287 / -119.868088	Kings River	Channel	
06/08/2012	Barrios	36.363107 / -119.809010	Kings River	Channel	
06/08/2012	Barrios	36.363107 / -119.809010	Kings River	Channel	
06/08/2012	Barrios	36.363107 / -119.809010	Kings River	Channel	
06/12/2012	Tamayo	36.392797 / -119.762222	Kings River	Channel	
06/12/2012	Tamayo	36.392797 / -119.762222	Kings River	Channel	
06/12/2012	Tamayo	36.392797 / -119.762222	Kings River	Channel	
06/12/2012	Damiani	36.328724 / -119.855859	Kings River	Channel	
06/12/2012	Damiani	36.328724 / -119.855859	Kings River	Channel	
06/12/2012	Damiani	36.328724 / -119.855859	Kings River	Channel	
06/14/2012	Davis	36.344423 / -119.662335	Mussel Slough	Pond	
06/14/2012	Davis	36.344423 / -119.662335	Mussel Slough	Pond	
06/14/2012	Davis	36.344423 / -119.662335	Mussel Slough	Pond	
06/15/2012	Barrios	36.363107 / -119.809010	Kings River	Channel	
06/15/2012	Barrios	36.363107 / -119.809010	Kings River	Channel	
06/15/2012	Barrios	36.363107 / -119.809010	Kings River	Channel	
06/18/2012	Clayton	36.386985 / -119.501655	Cross Creek	Channel	
06/18/2012	Clayton	36.386985 / -119.501655	Cross Creek	Channel	
06/18/2012	Clayton	36.386985 / -119.501655	Cross Creek	Channel	
06/19/2012	Stickler	36.392797 / -119.762222	Kings River	Channel	
06/19/2012	Stickler	36.392797 / -119.762222	Kings River	Channel	

06/19/2012	Stickler	36.392797 / -119.762222	Kings River	Channel
06/21/2012	Barrios	36.363107 / -119.809010	Kings River	Channel
06/21/2012	Barrios	36.363107 / -119.809010	Kings River	Channel
06/21/2012	Barrios	36.363107 / -119.809010	Kings River	Channel
06/28/2012	Felix	36.290287 / -119.868088	Kings River	Channel
06/28/2012	Felix	36.290287 / -119.868088	Kings River	Channel
06/28/2012	Felix	36.290287 / -119.868088	Kings River	Channel
07/02/2012	Clayton	36.386985 / -119.501655	Cross Creek	Channel
07/02/2012	Clayton	36.386985 / -119.501655	Cross Creek	Channel
07/02/2012	Clayton	36.386985 / -119.501655	Cross Creek	Channel

		MONITORING Information				
Type of pesticide	Product Name	Time of monitoring	Monitoring Date	Time	Name(s) of personnel	Overhead Conditions
Larvicide	Vectobac GS Background		05/10/2012	1310	Gilles	Clear/sunny
Larvicide	Vectobac GS Event		05/10/2012	1335	Gilles	Clear/sunny
Larvicide	Vectobac GS Post-Event		05/11/2012	1505	Gilles	Clear/sunny
Larvicide	Vectobac GS Background		05/29/2012	0900	Bruget	Clear/sunny
Larvicide	Vectobac GS Event		05/29/2012	0930	Bruget	Clear/sunny
Larvicide	Vectobac GS Post-Event		05/30/2012	1040	Gilles	Clear/sunny
Larvicide	Teknar HP-D Background		06/07/2012	0900	Hickey	Clear/sunny
Larvicide	Teknar HP-D Event		06/08/2012	1425	Felix	Clear/sunny
Larvicide	Teknar HP-D Post-Event		06/13/2012	1430	Gilles	Clear/sunny
Larvicide	Vectobac - G. Background		06/07/2012	1220	Barrios	Clear/sunny
Larvicide	Vectobac - G. Event		06/07/2012	1300	Barrios	Clear/sunny
Larvicide	Vectobac - G. Post-Event		06/08/2012	1345	Gilles	Clear/sunny
Larvicide	Teknar HP-D Background		06/12/2012	0800	Tamayo	Clear/sunny
Larvicide	Teknar HP-D Event		06/12/2012	0830	Tamayo	Clear/sunny
Larvicide	Teknar HP-D Post-Event		06/13/2012	1010	Gilles	Clear/sunny
Larvicide	Teknar SC Background		06/12/2012	1100	Damiani	Clear/sunny
Larvicide	Teknar SC Event		06/12/2012	1130	Damiani	Clear/sunny
Larvicide	Teknar SC Post-Event		06/15/2012	1330	Damiani	Clear/sunny
Larvicide	Vectobac G Background		06/14/2012	0840	Davis	Clear/sunny
Larvicide	Vectobac G Event		06/14/2012	0930	Davis	Clear/sunny
Larvicide	Vectobac G Post-Event		06/15/2012	0940	Castano	Clear/sunny
Larvicide	Vectobac GS Background		06/15/2012	1020	Barrios	Clear/sunny
Larvicide	Vectobac GS Event		06/15/2012	1130	Barrios	Clear/sunny
Larvicide	Vectobac GS Post-Event		06/18/2012	1435	Gilles	Clear/sunny
Larvicide	Teknar SC Background		06/18/2012	1030	Clayton	Clear/sunny
Larvicide	Teknar SC Event		06/18/2012	1100	Clayton	Clear/sunny
Larvicide	Teknar SC Post-Event		06/22/2012	1015	Castano	Clear/sunny
Larvicide	Teknar HP-D Background		06/19/2012	1040	Stickler	Clear/sunny
Larvicide	Teknar HP-D Event		06/19/2012	1050	Stickler	Clear/sunny

Larvicide	Teknar HP-D	Post-Event	06/20/2012	1200	Stickler	Clear/sunny
Larvicide	Teknar SC	Background	06/21/2012	0700	Barrios	Clear/sunny
Larvicide	Teknar SC	Event	06/21/2012	0830	Barrios	Clear/sunny
Larvicide	Teknar SC	Post-Event	06/22/2012	0900	Castano	Clear/sunny
Larvicide	Teknar SC	Background	06/27/2012	1000	Hickey	Clear/sunny
Larvicide	Teknar SC	Event	06/28/2012	0730	Felix	Clear/sunny
Larvicide	Teknar SC	Post-Event	06/29/2012	0900	Felix	Clear/sunny
Larvicide	Teknar SC	Background	07/02/2012	1010	Clayton	Clear/sunny
Larvicide	Teknar SC	Event	07/02/2012	1040	Clayton	Clear/sunny
Larvicide	Teknar SC	Post-Event	07/09/2012	1244	Clayton	Clear/sunny

Weather Conditions			Visual Observation				
Precipitation	Wind	Air Temperature	Water Color	Water Clarity	Floating/Suspended Matter	Bottom Deposits	Aquatic Life
None	Light breeze	Warm/mild	Brown	Murky	Observed	Observed	Observed
None	Light breeze	Warm/mild	Brown	Murky	Observed	Observed	Observed
None	Calm	Hot	Brown	Murky	Observed	Observed	Observed
None	Calm	Warm/mild	Brown	Murky	Observed	Observed	Observed
None	Calm	Warm/mild	Brown	Murky	Observed	Observed	Observed
None	Calm	Warm/mild	Brown	Murky	Observed	Observed	Observed
None	Light breeze	Cool	Brown	Murky	Observed	Not Observed	Observed
None	Light breeze	Cool	Brown	Murky	Observed	Not Observed	Observed
None	Light breeze	Hot	Brown	Murky	Observed	Not Observed	Observed
None	Calm	Warm/mild	Colorless	Clear	Observed	Not Observed	Observed
None	Calm	Warm/mild	Colorless	Clear	Observed	Not Observed	Observed
None	Light breeze	Warm/mild	Colorless	Clear	Observed	Not Observed	Observed
None	Calm	Warm/mild	Colorless	Clear	Observed	Observed	Observed
None	Calm	Warm/mild	Colorless	Clear	Observed	Observed	Observed
None	Light breeze	Warm/mild	Colorless	Clear	Observed	Observed	Observed
None	Light breeze	Warm/mild	Colorless	Clear	Observed	Observed	Observed
None	Light breeze	Warm/mild	Colorless	Clear	Observed	Observed	Observed
None	Light breeze	Warm/mild	Colorless	Clear	Observed	Observed	Observed
None	Light breeze	Warm/mild	Colorless	Clear	Observed	Observed	Observed
None	Calm	Warm/mild	Brown	Murky	Observed	Not Observed	Not Observed
None	Calm	Warm/mild	Brown	Murky	Observed	Not Observed	Not Observed
None	Calm	Warm/mild	Brown	Murky	Observed	Not Observed	Observed
None	Light breeze	Warm/mild	Colorless	Clear	Observed	Not Observed	Observed
None	Light breeze	Warm/mild	Colorless	Clear	Observed	Not Observed	Observed
None	Calm	Hot	Colorless	Clear	Observed	Not Observed	Observed
None	Calm	Hot	Brown	Murky	Observed	Not Observed	Observed
None	Calm	Hot	Brown	Murky	Observed	Not Observed	Observed
None	Light breeze	Cool	Brown	Murky	Observed	Not Observed	Observed
None	Calm	Warm/mild	Colorless	Clear	Observed	Observed	Observed
None	Calm	Warm/mild	Colorless	Clear	Observed	Observed	Observed

None	Calm	Warm/mild	Colorless	Clear	Observed	Observed	Observed
None	Calm	Warm/mild	Colorless	Clear	Observed	Not Obser	Observed
None	Calm	Warm/mild	Colorless	Clear	Observed	Not Obser	Observed
None	Light breeze	Cool	Colorless	Clear	Observed	Not Obser	Observed
None	Calm	Warm/mild	Brown	Clear	Observed	Observed	Observed
None	Light breeze	Cool	Brown	Clear	Observed	Observed	Observed
None	Light breeze	Cool	Brown	Clear	Observed	Observed	Observed
None	Light breeze	Warm/mild	Brown	Murky	Observed	Not Obser	Observed
None	Light breeze	Warm/mild	Brown	Murky	Observed	Not Obser	Observed
None	Light breeze	Hot	Brown	Murky	Observed	Not Obser	Observed

			Field Measu				
Water Surface Oils	Fungi, Slimes or objectionable growths	Potential Nuisance Conditions	Water Temperature	Model	Electrical conductivity (EC)	Model	Dissolved oxygen (DO)
none	Not Observed	None		Field Inst./	/		
none	Not Observed	None		Field Inst./	/		
none	Not Observed	None		Field Inst./	/		
none	Observed	None		Field Inst./	/		
none	Observed	None		Field Inst./	/		
none	Observed	None		Field Inst./	/		
none	Not Observed	None		Field Inst./	/		
none	Not Observed	None		Field Inst./	/		
none	Not Observed	None		Field Inst./	/		
none	Not Observed	None		Field Inst./	/		
none	Not Observed	None		Field Inst./	/		
none	Not Observed	None		Field Inst./	/		
none	Observed	None		Field Inst./	/		
none	Observed	None		Field Inst./	/		
none	Observed	None		Field Inst./	/		
none	Not Observed	None		Field Inst./	/		
none	Not Observed	None		Field Inst./	/		
none	Not Observed	None		Field Inst./	/		
none	Not Observed	None		Field Inst./	/		
none	Not Observed	None		Field Inst./	/		
none	Not Observed	None		Field Inst./	/		
none	Not Observed	None		Field Inst./	/		
none	Not Observed	None		Field Inst./	/		
none	Not Observed	None		Field Inst./	/		
none	Observed	None		Field Inst./	/		
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none	Observed	None		Field Inst./	/		
none	Not Observed	None		Field Inst./	/		
none	Not Observed	None		Field Inst./	/		

none	Not Observed	None	Field Inst./	/
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